



TO: Mayor and Councilmembers
SUBMITTED BY: Luz “Nina” Buelna, Public Works Director
SUBJECT: 2026 Draft Development Impact Fee Update

RECOMMENDATIONS:

Receive a presentation and provide feedback on the Draft 2026 Development Impact Fee Program Update.

BACKGROUND

Development impact fees (“DIF”) are fees imposed on development projects to offset in whole or in part, the cost of new or additional public facilities caused by the development. Cities have the authority to charge DIFs by way of the Mitigation Fee Act (Government Code sections 66000-66025). Under the Mitigation Fee Act, cities must ensure that there is a nexus between the development project’s impacts and the imposed fee amounts. In addition to establishing a DIF program, cities must have an ordinance that defines the types of fees and a nexus study that analyzes the impacts of development types (e.g., residential, commercial, industrial) and their proportional impacts on public facilities.

Goleta has operated a DIF program since incorporation, relying initially on ordinances and nexus studies conducted by the County of Santa Barbara prior to incorporation. The city adopted the County’s impact fee amounts for the Goleta Planning Area when the city incorporated in 2002. In 2019, the City prepared its own Nexus Study Development Impact Fee Study, which provided supporting analysis for a new ordinance. The ordinance, referred to as the “DIF Ordinance” (Ordinance 19-04), consolidated previous existing DIF regulations into one regulation in the Zoning Ordinance. The Development Impact Fees listed in Ordinance 19-04 are:

1. Public Administration Facilities Fee
2. Fire Facilities Fee
3. Library Facilities Fee
4. Parks and Recreation Facilities Fee
5. Storm Drain Facilities Fee
6. Transportation Facilities Fee
7. Bicycle and Pedestrian Facilities Fee
8. Affordable Housing Fee

DISCUSSION

Under the Mitigation Fee Act, Local Agencies are required to conduct and make public specific findings to ensure that the DIF's purposes remain valid, the funds remain needed, and the fees still meet the reasonable relationship standards. As discussed above, in 2019, the City completed a Nexus Study Development Impact Fee Study. To comply with the Mitigation Fee Act requirements, a 2026 DIF update study is required, which analyzes the proportionate relationship between development and all of the DIF. On August 20, 2024, the City Council approved the Public Works agreements with Urban Economics, DKS Associates (DKS), and MNS Engineers (MNS) to prepare and support the 2026 DIF Update. DKS updated the City of Goleta Travel Model and prepared an analysis identifying traffic impacts from projected growth, and MNS prepared project cost estimates to address those impacts.

All proposed DIF fees except the transportation fee reflect existing levels of service (facility standards) and the cost of maintaining those standards as growth occurs. All fees except the transportation fee are based on an existing capital asset facility standard that equals the ratio of the City's existing (2025) capital assets to the existing population served by those facilities. This approach is based solely on available data (existing capital asset inventory and service population estimates). The facility standard is not based on adopted policies, such as those in the City's General Plan or state statutes.

The existing capital asset facility standard provides a reasonable relationship between new development and the need for additional public facilities. The resulting DIF fee funds the expansion of public facilities at a rate sufficient to maintain the existing facilities-to-service-population ratio as growth occurs.

The transportation fee was updated using the same approach used to establish the existing fee. Planning for transportation improvements typically uses a travel demand model. The Goleta Travel Model developed for the *Goleta General Plan* was updated in 2025 for this Nexus analysis. The model analyzes the impacts of the City's buildout growth scenario and surrounding regional growth on the City's transportation system and identifies where transportation deficiencies exist or are projected to occur based on adopted level-of-service standards and operational performance. The model is used to assess the extent to which new development contributes to those deficiencies and to determine whether development projects should be approved, final project designs, or project costs. The results update the list of improvements described in the Transportation Element of 2006 *Goleta General Plan*.

Transportation impact fees differ from other DIF categories in that they are based on a systemwide travel-demand model rather than on an existing asset-to-population ratio. This approach reflects standard transportation planning practice and is consistent with the City's General Plan Transportation Element.

The travel model used facility standards to determine where transportation improvements are needed within the City to (1) correct existing deficiencies, and (2) address future deficiencies caused by new development. Facility standards for transportation analysis

are based on policies in the Transportation Element of the City's General Plan. The City's primary policy for roadways and intersections is to maintain a level of service (LOS) of "C" or better, which means restricted traffic flow that remains stable without causing significant delay. In this context, LOS is a commonly used measure of congestion and delay, commonly expressed as the ratio of traffic volume to roadway capacity (vehicle-to-capacity ratio). The LOS policy for intersections is similar, though the type of analysis varies. The results of the travel model and related transportation impact analysis identified 35 transportation capital improvement projects, including new projects and refinements to previously identified projects. Projects completed under the prior DIF program were removed from the list and are not included in this update.

The City of Goleta is a Vision Zero city and prioritizes transportation improvements that reduce the risk of severe and fatal crashes. Consistent with this policy, staff proposes "Roundabouts First" as the preferred treatment for new intersections and intersections undergoing major upgrades. Roundabouts are safer due to fewer conflict points and lower operating speeds and are an effective way to increase intersection capacity without adding travel lanes. Signalized and other intersection treatments remain available where roundabouts are not appropriate. The proposed "Roundabouts First" approach provides policy guidance on the preferred intersection improvement type to consider when implementing transportation projects identified through the Nexus Study.

The fair share analysis was conducted to ensure that the DIF funds cover only the portion of those improvements attributable to growth within the City. The analysis uses model output to quantify the number of trips using each improvement and the origin and destination of those trips. Cost estimates for each improvement were developed. Combining the fair share analysis with the improvement cost estimates resulted in a total cost to accommodate the impacts of new development on the City's transportation system.

Fire Facilities Fee Update

The Fire Facilities impact fee is not included in this draft update. The supporting information required to complete the Fire Facilities Nexus analysis was not available when this draft was prepared. Staff will bring the Fire Facilities fee update forward for City Council consideration at the public hearing on the final Development Impact Fee for this Nexus Study.

Affordable Housing Impact Fee

The Affordable Housing Impact Fee is not included in this update to the Development Impact Fee Nexus Study. The City's Affordable Housing Impact Fee was adopted in 2021 and is governed by a separate ordinance and independent nexus analysis. This report is limited to transportation, public facilities, and infrastructure impact fees, and no changes to the Affordable Housing Impact Fee are proposed or recommended as part of this update.

Based on the Nexus Study, the updated fees compared to the existing fees are summarized below:

Table 1: Existing and Maximum Justified Fee Schedule						
Land Use Category	Units	Adopted Fee (2019 Nexus Study)	Existing Fee (FY 2025-26)	Maximum Justified Fee	Difference (Justified vs. Existing)	
					Amount	Percent
<i><u>Public Administration</u></i>						
Single Family Detached	per DU	\$3,086	\$4,132	\$10,540	\$6,408	155%
All Other Residential ¹	per DU	2,238	2,999	7,396	4,397	147%
Retail & Commercial	per KSF	487	656	1,665	1,009	154%
Office & Medical	per KSF	655	880	2,237	1,357	154%
Industrial	per KSF	243	329	829	500	152%
<i><u>Library</u></i>						
Single Family Detached	per DU	\$959	\$1,287	\$1,316	\$29	2%
All Other Residential ¹	per DU	696	934	923	(11)	(1%)
Retail & Commercial	per KSF	151	206	208	2	1%
Office & Medical	per KSF	203	275	279	4	1%
Industrial	per KSF	75	105	103	(2)	(1%)
<i><u>Parks & Recreation</u></i>						
Residential Subdivisions (Quimby Act)						
Single Family Detached	per DU	\$14,998	\$20,084	\$36,913	\$16,829	84%
All Other Residential ¹	per DU	10,880	14,572	25,902	11,330	78%
All Other Development (Mitigation Fee Act)						
Single Family Detached	per DU	\$11,900	\$15,928	\$32,895	\$16,967	107%
All Other Residential ¹	per DU	7,947	13,175	23,083	9,908	75%
Retail & Commercial	per KSF	1,880	2,519	5,196	2,677	106%
Office & Medical	per KSF	2,525	3,382	6,981	3,599	106%
Industrial	per KSF	936	1,257	2,587	1,330	106%
<i><u>Storm Drain</u></i>						
Single Family Detached	per DU	\$3,596	\$4,817	\$10,845	\$6,028	125%
All Other Residential ¹	per DU	2,609	3,494	3,904	410	12%
Retail & Commercial	per KSF	1,988	2,665	6,290	3,625	136%
Office & Medical	per KSF	2,671	3,578	4,338	760	21%
Industrial	per KSF	990	1,329	5,097	3,768	284%
<i><u>Transportation</u></i>						
All Land Uses	per PM Peak Hour Trip	\$12,450	\$16,665	\$35,081	\$18,416	111%
<i>Sample of Land Uses</i>						
Single Family Detached	per DU	\$12,077	\$15,165	\$31,647	\$16,482	109%
Apartment	per DU	7,487	8,166	17,695	9,529	117%
Hotel	per room	7,171	9,499	15,829	6,330	67%
Supermarket	per KSF	70,816	89,491	185,017	95,526	107%
General Office	per KSF	17,808	22,998	39,740	16,742	73%
General Light Industrial	per KSF	11,835	10,666	16,846	6,180	58%

Table 1: Existing and Proposed Fee Schedule (continued)						
Land Use Category	Units	Adopted Fee (2019 Nexus Study)	Existing Fee (FY 2025-26)	Maximum Justified Fee	Difference (Justified vs. Existing)	
					Amount	Percent
<i>Bicycle & Pedestrian</i>						
Single Family Detached	per DU	\$3,092	\$4,142	\$24,311	\$20,169	487%
All Other Residential ¹	per DU	2,243	3,006	17,059	14,053	467%
Retail & Commercial	per KSF	488	657	3,840	3,183	484%
Office & Medical	per KSF	656	881	5,159	4,278	486%
Industrial	per KSF	243	329	1,912	1,583	481%
<i>All Updated Fees</i>						
Single Family Detached	per DU	\$34,710	\$45,471	\$111,554	\$66,083	145%
All Other Residential^{1,2}	per DU	\$23,220	\$31,774	\$70,060	\$28,378	120%
Retail & Commercial³	per KSF	\$75,810	\$96,194	\$202,216	\$106,022	110%
Office & Medical⁴	per KSF	\$24,518	\$31,994	\$58,734	\$26,740	84%
Industrial⁵	per KSF	\$14,322	\$14,015	\$27,374	\$13,359	95%
<p>Notes: "DU" = dwelling unit; "KSF" = thousand building square feet. Residential fees are calculated per square foot of living space in this nexus study update, though residential fees are shown per average sized DU in this table for the purpose of comparison to current fee schedule.</p> <p>The City also charges impact fees for fire and affordable housing that are not included in this update.</p> <p>¹ Includes detached and attached accessory dwelling units.</p> <p>² Parks and transportation fees based on "Apartment" category.</p> <p>³ For transportation fee, based on supermarket category.</p> <p>⁴ For transportation fee, based on general office category.</p> <p>⁵ For transportation fee, based on general light industrial category.</p> <p>Sources: City of Goleta Fee Schedule, FY 2025-26; Tables 3.3, 4.3, 5.4, 6.1, 6.2, 6.4, 7.3, and 8.2.</p>						

Changes in total revenue and fee amounts by land use category under the proposed fee schedule are explained as follows:

- Public Administration fee: Nexus analysis updated based on the current City facility standard. Total fee revenue for the buildout is projected at \$ 34.7 million. Change in fee amounts driven by increased cost of land and buildings.
- Library fee: Fees remain roughly similar to existing fees. Projected fee revenue for the buildout is roughly \$4.3 million below both the existing and the maximum-justified fee schedules.
- Parks and Recreation fees: Impact updated based on current City park standards. Total fee revenue for the buildout increased to approximately \$108.5 million. Changes in fee amounts driven by increased costs for land acquisition and park improvements.
- Storm drain fee: Nexus analysis updated based on the current City facility standard. Total fee revenue to buildout increases to about \$82.2 million. Change in fee amounts driven by more comprehensive identification of the City's existing facility standards, and increased replacement cost of facilities.
- Transportation fee: The fee will fund \$296 million of costs identified as needed to serve new development in the City through the traffic modeling analysis.
- Bicycle and Pedestrian fee: Nexus analysis updated based on the current City facility standard. Total fee revenue for the buildout increases to about \$80.2 million. Change in fee amounts driven by more comprehensive identification of City's existing facility standards, and increased replacement cost of facilities.

ENVIRONMENTAL REVIEW:

The adoption of a new development impact fees, and related nexus study is exempt from the California Environmental Quality Act (CEQA) and the regulations promulgated thereunder (14 Cal. Code of Regulations, §§ 15000, et seq., "CEQA Guidelines") because this action does not constitute a "project" pursuant to the CEQA Guidelines, § 15378(b)(4). In addition, obtaining funds (fees) for capital projects for services in existing service areas are statutorily exempt under CEQA Guidelines, § 15273(a)(4).

FISCAL IMPACTS:

This is a preliminary study session to present the draft DIF Nexus Study and receive feedback from the City Council and the public. There are no immediate fiscal impacts from the discussion. No formal action is required at today's study session. Staff seeks Council direction and feedback to incorporate into the final DIF Nexus Study and ordinance that will be presented for adoption at a future public hearing in April 2026.

DIF adjustments will be effective 60 days after adoption. City staff will be able to implement and collect the proposed fees as part of the current development process. The actual fee revenues generated by the adjusted DIFs will depend on the number of development projects subject to DIF payment during the period where the fees are in effect, as development activity occurs. All DIF revenues are restricted to payment of identified projects and expenditures and are not discretionary with the City. The amount of the DIFs will be automatically adjusted on July 1st of each fiscal year, by the construction cost index (CCI) specific to California or nearest region, as published by the Engineering News Record, or its successor publication, as reported for the preceding twelve-month period for when the CCI is available.

The DIF revenue estimates will be revised with each annual budget process, along with the related project costs funded by these fees.

ALTERNATIVES:

The City Council may receive the presentation without providing feedback, which would require staff to proceed with finalizing the Development Impact Fee Nexus Study based on existing analysis and return at a later date if additional direction is needed.

LEGAL REVIEW BY: Isaac Rosen, City Attorney

APPROVED BY: Robert Nisbet, City Manager

ATTACHMENTS:

1. 2026 Development Impact Fee Program Update – Draft Report
2. 2026 Development Impact Fee Program PowerPoint Presentation

ATTACHMENT 1

2025 Development Impact Fee Program Update – Draft Report

**2026 DEVELOPMENT IMPACT
FEE PROGRAM UPDATE
PRELIMINARY DRAFT**

Prepared For:

City of Goleta

Preparation Date: January 2026

Prepared By:

Robert D. Spencer, Urban Economics

With Assistance From:

Jim Damkowitch, DKS & Gerald Comati, COM3 Consulting



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EXECUTIVE SUMMARY

Development impact fees provide a mechanism for new development projects to contribute financially to the one-time cost of improving and expanding the infrastructure and facilities needed to accommodate those projects. The City of Goleta (City) adopted the County of Santa Barbara's impact fees for the Goleta Planning Area when the City incorporated in 2002. The City completed a major update to the program and associated ordinance (Ordinance 19-04) in 2019. The ordinance identified seven fees. This report provides a second major update to the program based on the most current data available at the time the report was prepared. Since 2019 the City has adjusted fees annually for inflation.

This report provides the supporting analysis for the City to update six existing impact fees:

- ◆ Public administration facilities impact fee (update existing fee)
- ◆ Library facilities impact fee (update existing fee)
- ◆ Parks and recreation facilities impact fee and park dedication in-lieu (Quimby) fee (update existing fees)
- ◆ Transportation facilities impact fee (update existing fee)
- ◆ Bicycle and pedestrian facilities impact fee (update existing fee)
- ◆ Storm drain facilities impact fee (update existing fee)

Purpose

The City is updating the aforementioned impact fees and the analysis documented in 2019 so that the fees will accurately reflect new development's fair share of capital facility costs through buildout. Per statute, the City must update its nexus study at least every eight years, but can choose to update the fees more frequently if desired. To this end, the City is updating its development impact fee nexus analysis for several reasons:

- To reflect current capital facilities costs, which have increased significantly since the prior update.
- To reflect changes existing facility inventories, and resulting facility standards and level of service.
- To reflect design changes for transportation facilities.

Fees Not Included in this Analysis

This report does not include the fire facilities fee because, although the City collects the fee, the fee is the responsibility of the County of Santa Barbara that provides facilities and services through the County's Fire Department. This report also does not include the affordable housing fee because this fee was recently adopted in 2021 and first imposed on development in 2022.

Changes to Fee Structure

The only structural change to the fee program, is to charge residential fees per square foot, as opposed to a flat rate per type of dwelling unit. This change has been made to comply with the provisions of AB 602, which went into effect in 2022. For the purpose of comparing the maximum justified fees to the current fees, the maximum justified fees are expressed per average sized dwelling unit. Fees will vary based on the square footage size of each residential development project. Note that the change to charging residential fees per square foot is not the driving factor to the increases in the fee schedules, rather the changes are driven by the facility standards, planned facilities and cost estimates.

Facility Standards and Growth Assumptions

Impact fees reflect existing levels of service (facility standards) and the cost of maintaining those standards as growth occurs. Levels of existing development and forecast growth used in this study are summarized **Table E.1**, and described in detail in Chapter 2.

The cost per resident and per worker to maintain existing facility standards as growth occurs are shown in **Table E.2**. Parks represent the highest per capita cost for residential development and transportation is the highest cost for non-residential development.

Table E.1: Goleta Growth Forecast, 2025-Buildout

Land Use	Existing (2025) ¹	Buildout	Growth (% Buildout)	
<i>Residential (residents & dwelling units)</i>				
Residents	32,417	40,169	7,752	19%
Single Family Detached	5,533	6,511	978	15%
All Other Residential	7,622	9,973	2,351	24%
Total Dwelling Units	13,155	16,484	3,329	20%
<i>Non-residential (workers & 1,000 bldg. sq. ft.)</i>				
Workers	25,540	35,380	9,840	28%
Retail / Commercial	3,353	4,621	1,268	27%
Office & Medical	3,187	5,058	1,871	37%
Industrial	6,684	7,572	888	12%
Total Bldg. Sq. Ft. (1,000s)	38,764	52,631	13,867	26%

Sources: Tables 2.1 and 2.3.

Table E.2: Existing Facility Standard Costs

Facility	Cost to Maintain Existing Facility Standard	
	Per Resident	Per Worker
Public Administration	\$ 3,573	\$ 715
Library	\$ 446	\$ 89
Parks	\$11,151	\$ 2,230
Transportation	\$ 7,965	\$ 12,696
Bicycle & Pedestrian	\$ 8,241	\$ 1,648
Storm Drain	n/a	n/a

Notes: Transportation costs based on "all other residential" (all but detached single family) and "general office" land use categories. Storm drain fees calculated based on impervious surface, not per capita. Cost per equivalent dwelling unit of impervious surface to maintain standard is \$22,061.

Sources: Tables 2.2, 2.4, 3.2, 4.2, 5.3, 6.1, 6.2, 6.4, and 7.2.

Maximum Justified Fee Schedules

The updated fee schedules based on the per capita costs from **Table E.2** are shown below in **Table E.3**. The table also includes a comparison with the City’s existing fee schedule. Fees for residential development calculated in this nexus study will be charged per square foot of living space. However, to provide a comparison to the fees currently charged by the City, Table E.3 displays the maximum justified fees for the average sized single family detached unit, and for the average sized all other residential units. Fees for a given unit will be different that the maximum justified fees shown here to the extent that the square footage of the unit varies from an average sized unit.

Table E.3: Existing and Maximum Justified Fee Schedule

Land Use Category	Units	Adopted Fee (2019 Nexus Study)	Existing Fee (FY 2025-26)	Maximum Justified Fee	Difference (Justified vs. Existing)	
					Amount	Percent
<u>Public Administration</u>						
Single Family Detached	per DU	\$3,086	\$4,132	\$10,540	\$6,408	155%
All Other Residential ¹	per DU	2,238	2,999	7,396	4,397	147%
Retail & Commercial	per KSF	487	656	1,665	1,009	154%
Office & Medical	per KSF	655	880	2,237	1,357	154%
Industrial	per KSF	243	329	829	500	152%
<u>Library</u>						
Single Family Detached	per DU	\$959	\$1,287	\$1,316	\$29	2%
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<u>Parks & Recreation</u>						
Residential Subdivisions (Quimby Act)						
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Industrial	per KSF	936	1,257	2,587	1,330	106%
<u>Storm Drain</u>						
Single Family Detached	per DU	\$ 3,596	\$ 4,817	\$10,845	\$ 6,028	125%
All Other Residential ¹	per DU	2,609	3,494	3,904	410	12%
Retail & Commercial	per KSF	1,988	2,665	6,290	3,625	136%
Office & Medical	per KSF	2,671	3,578	4,338	760	21%
Industrial	per KSF	990	1,329	5,097	3,768	284%

Table E.3: Existing and Maximum Justified Fee Schedule (continued)

Land Use Category	Units	Adopted Fee (2019 Nexus Study)	Existing Fee (FY 2025-26)	Maximum Justified Fee	Difference (Justified vs. Existing)	
					Amount	Percent
<i>Transportation</i>						
All Land Uses	per PM Peak Hour Trip	\$ 12,450	\$ 16,665	\$ 35,081	\$18,416	111%
<i>Sample of Land Uses</i>						
Single Family Detached	per DU	\$ 12,077	\$ 14,999	\$ 31,647	\$16,648	111%
Apartment	per DU	7,487	8,333	17,695	9,362	112%
Hotel	per room	7,171	7,499	15,829	8,330	111%
Supermarket	per KSF	70,816	87,825	185,017	97,192	111%
General Office	per KSF	17,808	18,831	39,740	20,909	111%
General Light Industrial	per KSF	11,835	7,999	16,846	8,847	111%
<i>Bicycle & Pedestrian</i>						
Single Family Detached	per DU	\$3,092	\$4,142	\$24,311	\$20,169	487%
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Office & Medical	per KSF	656	881	5,159	4,278	486%
Industrial	per KSF	243	329	1,912	1,583	481%
<i>All Updated Fees</i>						
Single Family Detached	per DU	\$34,710	\$45,471	\$111,554	\$66,083	145%
All Other Residential ^{1,2}	per DU	23,220	31,774	70,060	28,378	120%
Retail & Commercial ³	per KSF	75,810	96,194	202,216	106,022	110%
Office & Medical ⁴	per KSF	24,518	31,994	58,734	26,740	84%
Industrial ⁵	per KSF	14,322	14,015	27,374	13,359	95%

Notes: "DU" = dwelling unit; "KSF" = thousand building square feet. Residential fees are calculated per square foot of living space in this nexus study update, though residential fees are shown per average sized DU in this table for the purpose of comparison to current fee schedule.

The City also charges impact fees for fire and affordable housing that are not included in this update.

¹ Includes detached and attached accessory dwelling units.

² Parks and transportation fees based on "Apartment" category.

³ For transportation fee, based on supermarket category.

⁴ For transportation fee, based on general office category.

⁵ For transportation fee, based on general light industrial category.

Sources: City of Goleta Fee Schedule, FY 2025-26; Tables 3.3, 4.3, 5.4, 6.1, 6.2, 6.4, 7.3, and 8.2.

1. INTRODUCTION

Background

Development impact fees provide a mechanism for new development projects to contribute financially to the one-time cost of improving and expanding the infrastructure and facilities needed to accommodate that development. Impact fees are commonly used by local agencies throughout California and in many other states as one of many funding sources for capital improvement programs. Fees are a one-time, non-recurring revenue source paid at the time of development impact, typically at issuance. certificate of occupancy.¹

The City adopted the County of Santa Barbara's impact fees for the Goleta Planning Area when the City incorporated in 2002. The City completed a major update to the program in 2019. This report provides a second major update to the program based on the most current data available at the time the report was prepared. The City adjusts fees annually for inflation between major program updates.

This report provides the supporting analysis for the City to update six existing impact fees:

- ◆ Public administration facilities impact fee (update existing fee)
- ◆ Library facilities impact fee (update existing fee)
- ◆ Parks and recreation facilities impact fee and park dedication in-lieu (Quimby) fee (update existing fees)
- ◆ Transportation facilities impact fee (update existing fee)
- ◆ Bicycle and pedestrian facilities impact fee (update existing fee)
- ◆ Storm drain facilities impact fee (update existing fee)

This report does not include the fire facilities fee because, although the City collects the fee, the fee is the responsibility of the County of Santa Barbara that provides facilities and services through the County's Fire Department. This report also does not include the affordable housing fee because this fee was recently adopted in 2021 and first imposed on development in 2022. Per AB 602, a nexus study must be updated at least every eight years, from

¹ If there is no certificate of occupancy, such a change of use that does not require a building permit, the fee would be paid prior to the land use permit. Quimby fees are due at the time of map recordation according to the Quimby Act.

the period beginning January 2, 2022. Further, to comply with AB 602, fees for residential development are calculated per square foot of living space.

Study Objectives

California local agencies may adopt impact fees under authority granted by the Mitigation Fee Act (the Act), contained in Sections 66000 et seq. of the *California Government Code*. The primary purpose of this report is to substantiate the findings required by the Act for adopting or increasing an impact fee.

The Act requires the following key findings to be made before a local agency adopts or increases a fee imposed on a development project:

1. **Impact:** Reasonable relationship between new development and need for public facilities.² This finding demonstrates the impacts of new development on the demand for public facilities.
2. **Benefit:** Reasonable relationship between new development and the use of fee revenue for public facilities to accommodate that development.³ This finding demonstrates how the use of fee revenues for public facilities benefits new development.
3. **Proportionality:** Reasonable relationship between the amount of the fee and the proportionate cost of public facilities attributable to new development.⁴ This finding demonstrates how the fee on a development project is proportionate to the development project's impacts that create demand for the public facility.

Together these three key findings define the nexus among the impact of development, the amount of the fee, and the use of fee revenues.

Assumptions and Limitations

This nexus study relies on data from a variety of sources, including publicly available, third-party sources (California Department of Finance; US Census Bureau), the City's own data (General Plan, facility inventories, certain replacement cost data), and data developed by consultants specifically for this effort (Goleta Travel Demand model, transportation cost estimates). Care has been taken to use reasonable and justifiable

² Government Code, section 66001(a)(3).

³ Government Code, section 66001(a)(4).

⁴ Government Code, section 66001(b).

assumptions throughout this report, and to conservatively estimate the allocation of future facility costs to new development where appropriate. The City should consider updating this analysis periodically to ensure the assumptions are reasonable. Per state law, a nexus study must be updated at least every eight years.

Fee Waivers

The nexus analysis is based on the estimated cost of the facilities needed to serve all new development, and does not exclude any development that may be exempted from paying impact fees, such as affordable housing units. If the analysis excluded development that is exempted from paying fees, then the burden would be shifted to other land uses, which is not permissible under the Mitigation Fee Act. As such, any fee reductions, waivers or exemptions for development projects are effectively subsidized by the City's General Fund.

Nexus Analysis Approach

The approach taken by this nexus analysis for all impact fees except the transportation impact fee includes the following steps:

1. Determine the population served by the facilities (service population).
2. Identify the existing facility standard to document the impact of new development on the need for additional facilities (finding #1, above).
3. Calculate the fee schedule necessary to maintain the facility standard (finding #3, above).
4. Describe the types of facilities eligible for funding with fee revenue (finding #2, above).

The basis for the service population are estimates of existing and buildout population and employment in the city and are provided in Chapter 2. The following six chapters (Chapters 3 through 8) provide for each impact fee and analysis necessary to substantiate the findings described above.

For the transportation fee, a slightly different approach was employed with the use of travel demand modeling:

1. Use the same citywide growth forecast as the other five fees put in the context of a region-wide forecast.
2. Use the regional growth forecast in a regional travel demand model to identify the capital improvements necessary to maintain level of service

on the city's roadways based on measures of vehicle congestion (finding #1, above).

3. Estimate the cost of needed capital improvements, and the share associated with growth within the city versus growth elsewhere in the region (finding #2, above).
4. Calculate the fee schedule necessary to fund that city's cost share (finding #3, above).

Each fee chapter includes a schedule of maximum justified fees by land use category. The City may adopt any fee up to the amount shown in each fee schedule for each land use category. Any fee below the maximum justified amount need not be consistent in absolute or percentage terms across land use categories for any given fee.

Finally, the Act also requires findings regarding (1) the purpose of the fee, and (2) a description of the public facilities to be funded by the fee.⁵ The purpose of each impact fee is to accommodate the impacts of new development by funding the expansion of the City's existing facilities. The types of facilities funded by each fee are described in the respective chapter of this report and more detail is provided in the City's current five-year Capital Improvement Program (CIP). The transportation fee is based on a comprehensive long-range list of specific improvements that is included in Chapter 6.

Existing Fund Balances

Table 1.1 displays the City's current impact fee fund balances for all impact fee funds, including those not being updated in this nexus study. The fund balances are not used in the fee analysis for those fees calculated using the existing facility standard (public administration, library, parks and recreation, storm drain and bicycle and pedestrian facilities). The fund balance is used in the calculation of the transportation facilities fee, since that fee is calculated based on a defined project list and allocation to new development. In that case the fund balance is subtracted from the costs allocated to new development prior to calculating the cost per PM peak hour trip.

⁵ *Ibid.*, sections 66001(a)(1) and 66001(a)(2).

Table 1.1 Impact Fee Fund Balances

Fee	FY24/25 Fund Balance (\$1,000s)
Public Administration	683
Library	283
Parks and Recreation - Quimby	6,400
Parks and Recreation - Non-Quimby	2,320
Affordable Housing Development	7
Storm Drain	565
Transportation	1,296
Bicycle and Pedestrian	291
Fire	4,100
Source: City of Goleta.	

Factors Driving Changes to Maximum Justified Fees

The maximum justified fees in this report are in some cases considerably higher than the fees justified by the City's 2019 Nexus Study. There are many factors that drive changes to the maximum justified fee schedule. The following discussion summarizes the predominant factors driving changes to fee levels in this nexus study updated compared to the 2019 study:

- Increased unit costs (replacement costs for buildings, bike, pedestrian, storm drainage infrastructure and land acquisition). Unit costs have been updated based on cost experience provided by the City, and Urban Economics' experience in other jurisdictions in Southern California. Construction costs have escalated significantly since COVID, and this analysis seeks to capture changes in the cost of future facilities needed to serve new development.
- Updated inventories of existing facilities (public administration facilities, parks and open space, bike and pedestrian infrastructure, storm drain infrastructure) that more accurately reflect the City's existing level of service and investment in facilities and infrastructure compared to the information that was available in 2019. More detailed inventories demonstrate that the City provides a higher level of service than was previously assumed, which means that the corresponding fees to maintain the existing level of service are higher than in the prior nexus study.
- Revised traffic model analysis and cost estimates. DKS updated the travel demand model to reflect current conditions, and recalculated the existing deficiencies and allocation of responsibility to new development. Projects that had been completed, or no longer deficient since the prior update have been removed from the analysis, and new projects have been added.

Table 1.2 summarizes the factors driving the changes to the maximum justified amounts, by fee category.

Table 1.2: Factors Driving Changes to Maximum Justified Fee Schedule

Fee Category	Factors Driving Changes to Fee Schedule	Primary Cost Drivers	Key Assumptions
Public Administration	Increased cost of facilities; Increased cost of land acquisition; increased level of service indicated by existing facility inventories	Land Acquisition; Construction Costs	Existing Service Population; Existing LOS; Unit Cost Assumptions
Libraries	Level of service decreased slightly due to increased population served by roughly the same amount facilities. Costs increased slightly. Fees remain similar to prior update.	Land Acquisition; Construction Costs	Existing Service Population; Existing LOS; Unit Cost Assumptions
Parks	Existing inventory of parkland indicates an increased level of service; Increased costs to acquire land and improve parks	Land Acquisition; Park improvement costs	Existing Service Population; Existing LOS; Unit Cost Assumptions
Transportation Facilities	Revised traffic model and increased cost estimates	Construction Costs	Travel Demand Model allocation; Growth Projections; Project Costs
Bicycle and Pedestrian Facilities	Updated inventories of existing facilities providing service resulting in higher level of service. Increased unit costs.	Construction Costs	Existing Service Population; Existing LOS; Unit Cost Assumptions
Storm Drains	Updated inventories of existing facilities providing service resulting in higher level of service. Increased unit costs.	Construction Costs	Existing Impervious Surface; Existing LOS; Unit Cost Assumptions

2. GROWTH FORECAST

This chapter describes the growth forecast and related assumptions used as a basis for measuring the impact of development on the need for public facilities, including:

- ◆ Estimates of existing land use in 2025 and for buildout of the city under the current General Plan in terms of dwelling units and nonresidential building square feet. Buildout is not assigned to occur in any particular year, rather, the nexus analysis considers the total growth increment, regardless of when it may occur.
- ◆ Estimates of population and employment from growth based on occupant density assumptions (residents per dwelling unit and workers per thousand square feet) that translate dwelling units and building square feet to residents and workers.
- ◆ Estimates of the need for public facilities to accommodate growth based on growth in the population served (“service population”) by the various public facilities included in this impact fee program update.

The nexus analysis for each fee presented in subsequent chapters uses these estimates to determine facility standards and estimate facility needs and fee revenues.

Growth Forecast

Existing land use and buildout of the City’s current General Plan expressed in terms of housing units and building space are shown in in **Table 2.1**. Existing dwelling units by type are based on January 1, 2025 estimates from the California Department of Finance (DOF). Buildout dwelling units and existing and buildout workers by land use type are based on estimates used in the Goleta travel demand model. As shown in **Table 2.1**, the travel demand model uses very detailed estimates of nonresidential building space by land use category, including 11 retail/commercial categories, three office/medical categories, and three industrial categories.

The following section describes the updates made to the travel demand model for use in this nexus study.

Updates to Travel Demand Model Baseline Land Use

DKS updated the travel demand model baseline to accurately quantify the current development in the City and surrounding areas. The 2013 baseline data was updated using the sources cited below. All City of Goleta land uses were reviewed and approved by City staff – including land use of neighboring jurisdictions. The County of Santa Barbara, City of Santa Barbara, and University of California, Santa Barbara (UCSB) land use was informed and coordinated with the County and the City. The following summarizes the data sources for each jurisdiction that informed changes to the land use scenario:

City of Goleta:

- Residential and nonresidential land use permit data (2013-2024)
- General Plan Update Resolutions
- 2024 school enrollment
- Built housing unit summaries 2013-2024

County of Santa Barbara:

- Residential and nonresidential land use permit data (2013-2024)
- County General Plan rezones

City of Santa Barbara

- Residential and nonresidential land use permit data (2013-2024)
- La Cumbre Plaza General Plan rezones

UCSB:

- Residential permit data (2013-2024)
- Student Enrollment (2024)

Table 2.1: Growth Forecast (dwelling units & building space)

Land Use	Existing (2025)¹	Buildout	Growth (% Buildout)	
<i>Residential (dwelling units)</i>				
Single Family Detached	5,533	6,511	978	15%
All Other Residential	<u>7,622</u>	<u>9,973</u>	<u>2,351</u>	<u>24%</u>
Total Residential	13,155	16,484	3,329	20%
<i>Retail / Commercial (1,000 sq. ft.)</i>				
Auto Services	424	499	75	15%
Banks	23	28	5	18%
Fast Food Restaurants	35	35	-	0%
Hotels ²	410	664	254	38%
Indoor Recreation	254	368	114	31%
Shopping Mall	-	-	-	NA
Neighborhood Commercial	1,225	1,861	636	34%
Regional Commercial	491	528	37	7%
Resort Hotel ³	281	329	48	15%
Restaurants	210	244	34	14%
Theater	<u>-</u>	<u>65</u>	<u>65</u>	<u>NA</u>
Subtotal	3,353	4,621	1,268	27%
<i>Office & Medical (1,000 sq. ft.)</i>				
Hospitals	101	161	60	37%
Medical	150	225	75	33%
Office	<u>2,936</u>	<u>4,672</u>	<u>1,736</u>	<u>37%</u>
Subtotal	3,187	5,058	1,871	37%
<i>Industrial (1,000 sq. ft.)</i>				
Heavy Industrial	274	418	144	34%
Light Industrial	6,410	7,088	678	10%
Research & Development	<u>-</u>	<u>66</u>	<u>66</u>	<u>NA</u>
Subtotal	<u>6,684</u>	<u>7,572</u>	<u>888</u>	<u>12%</u>
Total Non-residential	13,224	17,251	4,027	23%

¹ Residential estimates for 2025 based on DOF data. Nonresidential estimates for 2025 based on travel demand model data for 2024. The amount of subsequent development would not materially affect the nexus analysis in this report.

² Land use data for hotel rooms (630 existing, 1,022 buildout, and 392 growth) converted to building square feet at 650 square feet per room.

³ Land use data for resort hotel rooms (360 existing, 422 buildout, and 62 growth) converted to building square feet at 780 square feet per room.

Sources: State of California, Department of Finance, Table E-5 Population and Housing Estimates for Cities, Counties and the State — January 1, 2025; Goleta Traffic Model land use scenarios (2025 and General Plan buildout); Jan A. DeRoos, *Planning and Programming a Hotel*, Cornell University, 2011.

The nexus analysis uses occupant density assumptions (residents per dwelling unit and workers per thousand square feet of nonresidential building space) to establish the relationship between development projects and the demand for public facilities and services. Occupant density assumptions vary by land use category to differentiate the impact of

development on the need for public facilities. Differentiating fees by land use assists in supporting a reasonable relationship between the amount of the fee and the proportionate cost of public facilities attributable to new development.

The occupant density assumptions used in this nexus analysis are based on the latest citywide population and housing estimates prepared by the U.S. Census Bureau, and surveys of nonresidential land uses in the Los Angeles metropolitan area. These assumptions are shown in **Table 2.2**.

Table 2.2: Occupant Density

Land Use				
<i>Residential</i>				
Single Family Detached	2.95	persons / DU		
All Other Residential	2.07	persons / DU		
<i>Nonresidential</i>				
Retail & Commercial	430	sq. ft. / worker	2.33	worker / KSF
Office & Medical	320	sq. ft. / worker	3.13	worker / KSF
Industrial	861	sq. ft. / worker	1.16	worker / KSF

Notes: "DU" is dwelling units and "KSF" is thousand square feet. All densities rounded to the nearest hundredth.
¹ Includes detached and attached accessory dwelling units.
 Sources: U.S. Census Bureau, 2019-2023 American Community Survey 5-Year Estimates, Tables B25033 and B25024; The Natelson Company, *Employment Density Survey Summary Report*, prepared for Southern California Association of Governments, October 31, 2001; Urban Economics

Existing land use and buildout of the City’s current General Plan expressed in terms of residents and workers is shown in **Table 2.3**. Existing and buildout population by dwelling unit type, and existing and buildout workers by land use type, are based on the occupant density assumptions shown in **Table 2.2**. It is important to quantify the existing and land use scenario in terms of people, because it is people who generate demand for services and the facilities needed to provide those services from the City.

Total existing household population is consistent with January 1, 2025 estimates by the California Department of Finance. Existing residents in single family units are estimated using the existing count of dwelling units, and the calculated occupant density from Table 2.2. The difference between total household population and the calculated residents in single family detached units is the estimated number of existing residents in all other residential units.

The total increase of resident units, by type from Table 2.1 is multiplied by the assumptions of residents per unit, by type from Table 2.2 to estimate the increase in household population between 2025 and buildout. The increase in household population is added to the estimates of existing population to

calculate an estimate of total household population, by housing unit type at buildout.

Estimates of nonresidential square footage (in thousands) from Table 2.1 are multiplied by the occupant density assumptions of workers per 1,000 square feet of building space for three general land uses types to estimate workers in the base year, at the planning horizon and those associated with new nonresidential development in the City.

Table 2.3: Growth Forecast (residents & workers)

Land Use	Existing (2025)	Buildout	Growth (% Buildout)	
<i>Residents¹</i>				
Single Family Detached	16,322	19,207	2,885	15%
All Other Residential	<u>16,095</u>	<u>20,962</u>	<u>4,867</u>	<u>23%</u>
Total	32,417	40,169	7,752	19%
<i>Workers</i>				
Retail & Commercial	7,812	10,766	2,954	27%
Office & Medical	9,975	15,831	5,856	37%
Industrial	<u>7,753</u>	<u>8,783</u>	<u>1,030</u>	<u>12%</u>
Total	25,540	35,380	9,840	28%

¹ Excludes group quarters population, e.g. assisted care facilities and dormitories.

Sources: State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties and the State — January 1, 2025*, Sacramento, California, May 2025; Tables 2.1 and 2.2.

New Development and Facilities Demand

Service population is a measure of the number of users or beneficiaries of a public service and the related public facilities required to deliver that service. Vehicle trip generation is the common measure of demand for transportation facilities. Increases in impervious surface generating runoff drive demand for storm drain facilities. Service population, trip generation and impervious surface are commonly used and reasonable indicators of the impact of new development on the need for new or expanded facilities.

Service population is typically composed of residents plus workers. To equate residents and workers in a single measure of service population, workers are weighted by a factor to reflect the potential demand for public facilities from businesses and their workers relative to demand from residents.

This nexus analysis uses three separate approaches to measure the impacts of growth on public facilities:

1. The types of facilities covered by the public administration, library, parks, and bicycle & pedestrian impact fees have reasonably similar

service populations. All of these facilities are generally associated with recreational and some business uses, tend to be used during certain parts of the day, and face similar levels of demand from workers relative to residents. Therefore, the same service population is used for all three of these impact fees.

2. Demand for storm drain facilities is based on impervious surface assumptions applied to residential and non-residential land uses.
3. Demand for transportation facilities is based on trip generation rates applied to residential and non-residential land uses.

The next section describes the approach used in this study to measure service population for the public administration, library, parks, and bicycle & pedestrian facilities. See Chapter 6 for further explanation of how transportation demand is measured for the nexus analysis. See Chapter 8 for a discussion of impervious surface related to demand for storm drain facilities.

Service Population

Household population is used to represent public facility demand for residential land uses. Household population excludes persons living in group quarters. Group quarters include, for example, dormitories, adult care facilities, and detention facilities. The population in group quarters is excluded from the calculation of service population because these uses tend to be non-residential. This nexus analysis uses the employment associated with these non-residential uses to reflect their relative level of public facility demand.

Workers are used to represent service demand from nonresidential land uses. Workers include employees, partners, and owners. The city's existing and buildout resident and worker populations are shown in **Table 2.3**, above.

Surveys by other local government agencies have indicated that service demand from one worker is typically less than demand from one resident. This result is reasonable because nonresidential buildings are typically occupied less intensively (fewer hours of the day) than housing units. These surveys also indicate that the degree to which per worker service demand is less than per resident demand varies by type of public service. Taken as a whole these surveys indicate that, relative to residents: (1) employment should be weighted by a factor less than one, and (2) this weighting should vary depending on the type of public service, before adding employment to residents to calculate service population.

This nexus analysis assumes that a worker represents demand for public administration, library, park, and bicycle & pedestrian facilities at a ratio of 0.20 relative to a resident. This factor is consistent with the factor used in another study prepared by Urban Economics for the City of Oakland. For residents that both live and work in the city, the demand for public facilities is reflected at both the residential and non-residential location because both those locations generate facility demand.

The service population used in this impact fee update is shown in **Table 2.4**.

Table 2.4: Service Population

Land Use	Existing (2025)	Buildout	Growth (% Buildout)
<i>Public Administration, Library, Park & Bike/Ped. Facilities</i>			
Residents (a)	32,417	40,169	7,752
Workers (b)	25,540	35,380	9,840
Relative Demand/Benefit (c) ¹	<u>0.20</u>	<u>0.20</u>	<u>0.20</u>
Service Population (a + (b x c))	37,525	47,245	9,720 21%

¹ Factors based on available user survey data and estimates from similar impact fee nexus studies.

Sources: Oakland Transportation and Capital Improvements Impact Fee Nexus Analysis (2016), Urban Economics; Table 2.3.

3. PUBLIC ADMINISTRATION FACILITIES

This chapter provides the updated nexus analysis, fee schedule, and estimated revenue for the public administration facilities impact fee. Public administration facilities include all facilities owned by the City and not otherwise associated with the nexus analysis for any of the City's other impact fees. Public administration facilities include a range of facilities such as city hall, community centers, corporation yards, and recreation facilities not associated with typical park development costs (see Chapter 5, *Park and Recreation Facilities*).

Police facilities are not included because services are provided through a contract with the Santa Barbara County sheriff's department, and the local substation is in a leased facility. Fire facilities are not included because services are provided by the Santa Barbara County Fire Department and facilities are owned by the County.

Facility Standards

Nexus analyses for impact fees often use an existing capital asset facility standard ("facility standard") that is based on the ratio of a city's existing capital assets to the existing population served by those facilities. This approach is based solely on available data (existing inventory of capital assets and existing service population estimates). The facility standard also commonly referred to as a "level of service" standard is not based on adopted policy such as standards contained in a city's General Plan or state statute, nor is it based on recommendations from the professional literature.

The existing capital asset facility standard provides a reasonable relationship between new development and the need for additional public facilities. The resulting impact fee funds the expansion of public facilities at a rate sufficient to maintain the existing ratio of facilities to service population as growth occurs.

The advantage of using an existing capital asset facility standard is that by definition there is no existing deficiency. An existing deficiency exists when new development is funding, through an impact fee, a facility standard that is higher than the existing capital asset standard. Facility standards based on adopted level of service policies, such as those contained in a general plan, are often higher than existing standards. If an impact is designed to fund new development's share of that higher standard, then the local agency must use other funding sources for the share of improvements

needed to correct the deficiency. If not, the agency risks new development partially funding the deficiency and overpaying for a higher standard that is not achieved. The Mitigation Fee Act specifically prohibits the use of fees to correct existing deficiencies in public facilities.⁶

The use of existing capital assets to determine the facility standard is the approach used in all fees documented in this report except the transportation impact fee (see Chapter 6).

The City's existing capital asset inventory of public administration facilities and associated land is shown in **Table 3.1**. As mentioned above, this inventory includes all facilities not otherwise associated with the nexus analysis for any of the City's other impact fees.

The public administration facility standard and associated costs are shown in **Table 3.2**. Service population is from **Table 2.4**. Replacement costs are based on the average of values used in seven recent (since 2021) development impact fee nexus studies for jurisdictions in California. To be conservative, these values were not adjusted for cost inflation since the specific study was conducted. Land costs reflect a conservative estimate of \$2,695,000 per acre for acquisition based on the City's 2018 cost to acquire the Goleta Train Depot. This cost is significantly less than the average cost per acre incurred by the City to acquire right of way recently. Total costs include a five percent charge for fee program administration based on the City's analysis of staff time spent to administer the fee program.

As shown in the table, the City has an existing capital asset facility standard composed of 2.94 and 0.20 square feet per capita for civic and utility buildings, respectively, plus 20.59 square feet of land per capita. Also included in the table is the train depot facility standard. This standard is expressed separately from other types of buildings to reflect the City's recent investment in the facility, and because the cost of the facility was significantly higher than other types of buildings. The total cost for new development to maintain this facility standard is \$3,573 per capita including fee program administration costs.

Fee Schedule

The updated public administration facilities impact fee is shown in **Table 3.3**. The fee is based on the cost per capita shown in **Table 3.2** necessary to maintain the City's existing capital asset facility standard.

Fees adopted at this level would allow the City to provide facilities to new development at the same ratio of facilities to service population that

⁶ Government Code, section 66001(g).

currently exists in the City of Goleta today. As a policy decision, the City can adopt any fee lower than the maximum justified amounts.

Use of Fee Revenue

Estimated fee revenue through buildout based on the growth forecast presented in Chapter 2 is shown in **Table 3.4**. The City programs impact fee revenue through its Capital Improvement Plan, which serves as the adopted CIP for this nexus study, as required by AB 602.

If revenue is used to replace an existing facility without expanding capacity, the project provides a joint benefit to existing and new development. In this case then the fee can fund only 21 percent of project costs based on new development as a share of total development at buildout (see **Table 2.4**). However, if the City raises other funds for facility expansion that would accommodate growth, then the impact fee revenue that would have been used for expansion projects could be re-programmed to joint benefit projects without adhering to the funding share noted here.

The City must allocate five percent of fee revenue to program administration. Administration costs include costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City will monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

Table 3.1: Existing Public Administration Facilities

Facility	Address	Use	Building Type	Parcel Area (acres)	Building Area (sq. ft.)
Goleta Valley Community Center				9.84	
Main Bldg. / Goleta Community Center	5679 Hollister Ave.	Community center	Civic		23,860
Boys and Girls Club	5701 Hollister Avenue	Youth services	Civic		14,974
Classroom Bldg - North (site-built)	5689 Hollister Ave.	Youth services	Civic		6,851
Classroom Bldg - South (pre-fabricated)	5717 Hollister Ave.	Youth services	Utility		2,970
Classroom Bldg - West (site-built)	5681 Hollister Ave.	Youth services	Civic		5,376
Subtotal					54,031
Parking Lot	Orange Ave.	Parking lot	NA	0.15	-
City Hall	130 Cremona Drive	Offices	Civic	2.46	40,049
Public Works Corporation Yard	6735 Hollister Ave.		Utility	2.32	4,000
Land For Future Corporation Yard	Hollister/Hwy 217	Future City Facility	Utility	0.49	-
Goleta Train Depot	27 S La Patera Lane	Train Station/Transit Center	Train Depot	2.48	9,000
Rancho La Patera & Stow House				Note 1	
Historic Train Depot	300 North Los Carneros Rd.	Museum, offices	Civic		5,000
Stow House	304 North Los Carneros Rd.	Museum	Civic		7,440
Caretaker's Residence	304 North Los Carneros Rd.	Residence	Civic		680
Garage	304 North Los Carneros Rd.	Visitor center	Civic		1,000
Bunk House	304 North Los Carneros Rd.	Administrative office	Civic		660
Packing Shed	304 North Los Carneros Rd.	Museum	Civic		3,180
Subtotal					17,960
Stow Grove Park				Note 1	
Caretaker's Residence & Garage	580 La Patera Lane		Civic		1,200
Restroom Building	580 La Patera Lane		Civic		200
Storage Shed	580 La Patera Lane		Utility		600
Subtotal					2,000
All Facilities					
Civic Buildings					110,470
Train Depot					9,000
Utility Buildings					7,570
Total				17.74	127,040

¹ Land included in parkland inventory.
 Sources: City of Goleta Master Facilities List (City of Goleta GS Facilities Master List 01-2025.xlsx); City of Goleta Owned Land Inventory (City_of_Goleta_Owned_Jan_2023.xlsx).

Table 3.2: Public Administration Facility Standard and Costs

Facility Type	Existing Facilities Inventory (sq. ft.)	Existing Service Population	Existing Facility Standard (sq. ft. per capita)	Average Replacement Cost (per sq. ft.) ¹	Total Cost (per capita)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a / b</i>	<i>d</i>	<i>e = c x d</i>
Civic Buildings	110,470	37,525	2.94	\$ 500	\$ 1,470
Train Depot	9,000	37,525	0.24	2,444	587
Utility Buildings	7,570	37,525	0.20	300	60
Land ²	772,624	37,525	20.59	62	1,277
Subtotal					\$ 3,394
Program Administration (5% of total)					179
Total					\$ 3,573

Note: Total cost per capita rounded to the nearest dollar.

¹ Building replacement costs based on values used in similar studies for jurisdictions in California. Land cost based on City's recent land acquisition costs.

² Acres from Table 3.1 converted to square feet based on 43,560 square feet per acre.

Sources: Urban Economics; Tables 2.4 and 3.1.

Table 3.3: Public Administration Facilities Impact Fee

Land Use Category	Cost per Capita	Occupant Density (Residents/D U or Workers/KSF)	Relative Demand	Maximum Justified Fee	Fee per Square Foot ¹
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d = a * b * c</i>	<i>e = d / average</i>
Residential					
Single Family Detached	\$ 3,573	2.95	1.00	\$ 10,540 per DU	\$5.88
All Other Residential ²	3,573	2.07	1.00	7,396 per DU	7.98
Nonresidential					
Retail & Commercial	\$ 3,573	2.33	0.20	\$ 1,665 per KSF	\$1.67
Office & Medical	3,573	3.13	0.20	2,237 per KSF	2.24
Industrial	3,573	1.16	0.20	829 per KSF	0.83

Notes: "DU" = dwelling unit; "KSF" = thousand building square feet.

¹ Assumes 1,791 square feet per average sized single family unit and 927 for all other residential units in Goleta based on an analysis of American Housing Survey data from 2023.

² Includes attached and detached accessory dwelling units.

Sources: Tables 2.2, 2.4, and 3.2.

Table 3.4: Public Administration Facilities Impact Fee Revenue

Land Use Category	Growth (2025- Buildout)¹	Maximum Justified Fee²	Revenue (2025-Buildout)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>
<i>Residential</i>			
Single Family Detached	978	\$ 10,540	\$ 10,300,000
All Other Residential	2,351	7,396	17,400,000
Subtotal	3,329		\$ 27,700,000
<i>Nonresidential</i>			
Retail & Commercial	1,268	\$ 1,665	\$ 2,100,000
Office & Medical	1,871	2,237	4,200,000
Industrial	888	829	700,000
Subtotal	4,027		\$ 7,000,000
Total			\$ 34,700,000

Note: Totals rounded to nearest \$100,000.

¹ Dwelling units for residential and thousand building square feet for nonresidential land uses.

² Per average sized dwelling unit for residential and per thousand building square feet for nonresidential land uses.

Sources: Table 2.1 and 3.3.

The need for expanded public facilities to accommodate new development is based on all facilities and related services not otherwise associated with the nexus analysis for any of the City's other impact fees. Thus, the City may use public administration facilities impact fee revenue to fund any capital project that (1) expands the ability of the City to deliver services and therefore accommodate new development, and (2) cannot otherwise be funded by any of the City's other development impact fees. Refer to the City's current Capital Improvement Program for the anticipated use of fee revenue to fund capital projects within the next five years.

If revenue is used to replace an existing facility without expanding capacity, the project provides a joint benefit to existing and new development. In this case then the fee can fund only 21 percent of project costs based on new development as a share of total development at buildout (see **Table 2.4**).

The City must allocate five percent of fee revenue to program administration. Administration costs include costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City should monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

4. LIBRARY FACILITIES

This chapter provides the updated nexus analysis, fee schedule, and estimated revenue for the library facilities impact fee. Library facilities include the City’s single library and its collection of materials.

Facility Standards

The library facilities impact fee uses the City’s existing capital assets to determine the facility standard and provide a reasonable relationship between new development and the need for additional library facilities. The resulting impact fee would fund the expansion of library facilities at a rate sufficient to maintain the existing ratio of facilities to service population as growth occurs. See the *Facility Standard* section in Chapter 3 for more explanation of this approach.

The City’s existing capital asset inventory of library facilities is shown in **Table 4.1**. Note that the inventory only includes owned library facilities, and excludes the temporary GVL Express library at 6500 Hollister Avenue, Suite 105 because it is not owned by the City.

Table 4.1: Existing Library Facilities

Facility	Address	Building Type	Amount
Building	500 North Fairview Ave.	Civic	15,773 square feet
Materials	500 North Fairview Ave.		67,135 volumes ¹
Land	500 North Fairview Ave.		2.07 acres
Vehicles			1.00 book van

¹ Includes books, audiobooks, DVDs, CDs, and library of things, hotspots, passes, magazines and book club kits.

Sources: City of Goleta Master Facilities List (City of Goleta GS Facilities Master List 01-2025.xlsx); City of Goleta Owned Land Inventory (City_of_Goleta_Owned_Jan_2023.xlsx).

The library facility standard and associated costs are shown in **Table 4.2**. Service population is from Table 2.4. Building and materials replacement costs are based on values used in similar studies for jurisdictions in California. Land cost reflect recent land sales in and around the City. Total costs include a five percent charge for fee program administration.

As shown in the table, the City has an existing capital asset facility standard composed of 0.42 square feet of library space and 1.79 volumes per 1,000 capita, plus 2.40 square feet of land per capita. The total cost for new development to maintain this facility standard is \$446 per capita including fee program administration costs.

Table 4.2: Library Facility Standards and Costs

Facility Type	Existing Facilities Inventory (units)	Existing Service Population	Existing Facility Standard (units per capita)	Average Replacement Cost (per unit) ¹	Total Cost (per capita)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a / b</i>	<i>d</i>	<i>e = c x d</i>
Building	15,773 sq. ft.	37,525	0.42	\$ 500	\$ 210
Materials	67,135 volumes	37,525	1.79	32	57
Land ²	90,169 sq. ft.	37,525	2.40	62	149
Vehicles	1 book van	37,525	0.000027	300,000	8
Subtotal					\$ 424
Program Administration (5% of total)					22
Total					\$ 446

Note: Total cost per capita rounded to the nearest dollar.

¹ Building and materials replacement costs based on values used in similar studies for jurisdictions in California.

Land cost based on City's recent land acquisition costs.

² Acres from Table 4.1 converted to square feet based on 43,560 square feet per acre.

Sources: Urban Economics; Tables 2.4 and 4.1.

Fee Schedule

The updated library facilities impact fee is shown in **Table 4.3**. The fee is based on the cost per capita shown in **Table 4.2** necessary to maintain the City’s existing capital asset facility standard.

Fees adopted at this level would allow the City to provide facilities to new development at the same ratio of facilities to service population that currently exists in the City of Goleta today. As a policy decision, the City can adopt any fee lower than the maximum justified amounts.

Table 4.3: Library Facilities Impact Fee Schedule

Land Use Category	Cost per Capita	Occupant Density (Residents/DU or Workers/KSF)	Relative Demand	Maximum Justified Fee	Fee per Square Foot ¹
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d = a * b * c</i>	<i>e = d / average</i>
Residential					
Single Family Detached	\$ 446	2.95	1.00	\$1,316 per DU	\$0.73
All Other Residential ²	446	2.07	1.00	923 per DU	1.00
Nonresidential					
Retail & Commercial	\$ 446	2.33	0.20	\$ 208 per KSF	\$0.21
Office & Medical	446	3.13	0.20	279 per KSF	0.28
Industrial	446	1.16	0.20	103 per KSF	0.10

¹ Assumes 1,791 square feet per average sized single family unit and 927 for all other residential units in Goleta based on an analysis of American Housing Survey data from 2023.

² Includes attached and detached accessory dwelling units.

Sources: Tables 2.2, 2.4, and 4.2.

Use of Fee Revenue

Estimated fee revenue through buildout based on the growth forecast presented in Chapter 2 and the maximum justified fee schedule is shown in **Table 4.4**.

Table 4.4: Library Facilities Impact Fee Revenue

Land Use Category	Growth (2025- Buildout)¹	Maximum Justified Fee²	Revenue (2025- Buildout)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>
<i>Residential</i>			
Single Family Detached	978	\$1,316	\$ 1,300,000
All Other Residential	2,351	923	2,200,000
Subtotal	3,329		\$ 3,500,000
<i>Nonresidential</i>			
Retail & Commercial	1,268	\$208	\$ 300,000
Office & Medical	1,871	279	500,000
Industrial	888	103	100,000
Subtotal	4,027		\$ 900,000
Total			\$ 4,400,000

Note: Totals rounded to nearest \$100,000.

¹ Dwelling units for residential and thousand building square feet for nonresidential land uses.

² Per average sized dwelling unit for residential and per thousand building square feet for nonresidential land uses.

Sources: Table 2.1 and 4.3.

The City may use library facilities impact fee revenue to fund any capital project, or to purchase equipment or volumes, that expands the capacity of the City’s library facilities. The Goleta Library currently is in need of additional space to accommodate its growing physical collection of materials.

The City’s five-year Capital Improvement Program (CIP) will be updated to indicate anticipated use of fee revenue. However, the current CIP does not have any library capital projects because fee revenue is likely to be dedicated to the expansion of the library’s collection of materials such as books and DVDs, reflecting recent practice. These expenditures are programmed through the operating budget not the CIP.

Capital projects that address changing service demands, such as the reconfiguration of existing library space, as opposed to increasing service demands, benefit both existing and new development. Therefore, impact fee revenue for these types of projects must be combined with other funding sources so that new development only pays for a fair share of total capital costs. Service population from growth is forecast to be 21 percent of total

service population at buildout (see **Table 2.4**), so the share of costs for joint benefit projects funded with the impact fee should be limited to 21 percent.

The City must also allocate five percent of fee revenue to program administration. Administration costs include costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City should monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

5. PARK & RECREATION FACILITIES

This chapter provides the updated nexus analysis, fee schedule, and estimated revenue for the park and recreation facilities impact fee. Park and recreation facilities include the City's developed and undeveloped parks plus the City's open space. The City also has a parkland dedication in-lieu fee that is governed by Government Code section 66477, also known as the Quimby Act. This chapter also explains the relationship between the impact fee and the Quimby in-lieu fee.

Facility Standards

This section explains both the existing capital asset facility standard and the Quimby Act standard for park facilities. These standards are both based on the City's existing inventory of improved parklands, unimproved parklands, and open space as shown in **Table 5.1**.

Existing Capital Asset Standard

The park and recreation facilities impact fee uses the City's existing capital assets to determine the facility standard and provide a reasonable relationship between new development and the need for additional park facilities. The resulting impact fee would fund the expansion of park facilities at a rate sufficient to maintain the existing ratio of facilities to service population as growth occurs. See the *Facility Standard* section in Chapter 3 for more explanation of this approach.

This fee program update calculates three components that combined represent the City's existing parkland standard:

- ◆ Improved parkland per capita
- ◆ Total parkland (improved and unimproved) per capita
- ◆ Open space per capita.

Table 5.1: Park Inventory (acres)

Park	Unimproved	Improved	Total Parkland	Open Space	Total Acres
Andamar	-	2.45	2.45	-	2.45
Armitos Park	-	1.48	1.48	-	1.48
Armstrong	-	0.46	0.46	-	0.46
Bella Vista I & II	-	3.50	3.50	-	3.50
Bella Vista III	0.77	-	0.77	-	0.77
Berkeley Park	-	4.20	4.20	-	4.20
Brandon	2.22	-	2.22	-	2.22
Campus Glen	6.31	-	6.31	-	6.31
Evergreen Acres	-	28.72	28.72	-	28.72
Glen Annie at Del Norte	0.99	-	0.99	-	0.99
Jonny D. Wallis Neighborhood Park	-	3.98	3.98	-	3.98
Koarts Apartments	6.60	-	6.60	-	6.60
La Goleta	6.13	-	6.13	-	6.13
Lake Los Carneros Natural and Historical Preserve (Including Stow House)	-	5.53	5.53	134.46	139.99
Mathilda	-	0.20	0.20	-	0.20
Nectarine	-	0.13	0.13	-	0.13
Oro Verde	7.35	-	7.35	-	7.35
San Jose Creek	4.87	-	4.87	-	4.87
San Miguel	-	2.71	2.71	-	2.71
San Miguel Open Space	3.07	-	3.07	-	3.07
Santa Barbara Shores (Small)	4.83	-	4.83	-	4.83
Santa Barbara Shores Open Space (Small)	1.24	-	1.24	-	1.24
Santa Barbara Shores Park	-	-	-	98.62	98.62
Sperling Preserve	-	-	-	137.65	137.65
Stonebridge	3.41	-	3.41	-	3.41
Stow Grove Park ¹	11.10	-	11.10	-	11.10
Stow Tennis Courts	-	2.68	2.68	-	2.68
University Village	-	3.16	3.16	-	3.16
Winchester I	2.22	1.14	3.36	-	3.36
Winchester II	-	1.20	1.20	-	1.20
Total	61.11	61.54	122.65	370.73	493.38

¹ Stow Grove park is currently improved, however the City is planning to completely rehabilitate the park. Park acres for this park are listed as unimproved to reflect need for rehabilitation.

Sources: Table 3-1, Draft Open Space Element Update; City of Goleta Owned Land Inventory (City of Goleta Owned Jan 2023.xlsx).

Quimby Act Standard

The Quimby Act⁷ allows local agencies to require certain residential projects to dedicate parkland or pay a fee in lieu of dedication. Compared to impact fees adopted pursuant to the Mitigation Fee Act, Quimby Act land dedication and in-lieu fees:

- ♦ Can only apply to residential projects that require a tentative or parcel map (typically any type of subdivision)
- ♦ Cannot be based on a service population that includes workers and therefore Quimby fees cannot apply to nonresidential development
- ♦ Cannot include park development costs
- ♦ Cannot include open space.

The Quimby Act allows a local agency to require dedication of three to five acres of unimproved parkland per 1,000 residents based on the development project's estimated residential population. A local agency may require a minimum of three acres of unimproved parkland per 1,000 residents regardless of the agency's existing parkland standard. This standard is the ratio of existing improved and unimproved neighborhood and community parkland to existing residents as of the last Federal Census and excludes open space.

The agency may require dedication of up to five acres of unimproved parkland per 1,000 residents if the existing parkland standard supports that higher level. The agency may not require dedication at a standard greater than five acres per 1,000 residents regardless of the agency's existing parkland standard.

The local agency may allow payment of a fee in lieu of parkland dedication based on the cost of land acquisition but not the cost of park development. This in-lieu fee is exempt from the Mitigation Fee Act.⁸ The Act contains no language that prohibits an agency from adopting an impact fee to fund park development costs and open space acquisition, in addition to the Quimby dedication requirement or in-lieu fee. Thus, the agency may adopt both approaches to ensure that the combined requirements address all development impacts.

⁷ Government Code, section 66477.

⁸ *Ibid.*, sections 66000(b)

Summary

The parkland standards applicable to the Mitigation Fee Act and the Quimby Act are shown in **Table 5.2**. Service population is from **Table 2.4**. Service population includes residents and workers for the Mitigation Fee Act standard but only residents for the Quimby Act standard.

As shown in the table, the City has an existing parkland standard under the Mitigation Fee Act composed of 1.64 acres of improved parkland, 3.27 acres of total parkland, and 9.88 acres of open space per 1,000 capita.

The Quimby Act standard based only on existing residents as of the last Federal Census and parkland is 3.75 acres per 1,000 residents. The Quimby Act standard is slightly higher than the comparable Mitigation Fee Act standard (3.75 versus 3.27 acres) for total parkland because the former is based on only residents and does not include workers. This approach results in a higher ratio of acres per capita. Because this standard is between the minimum and maximum Quimby Act standards (three to five acres per 1,000 residents), this standard is the maximum amount that the City can require in parkland dedication.

Table 5.2: Park Facility Standards

Facility Type	Existing Facilities Inventory (units)	Existing Service Population¹	Existing Facility Standard
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a / (b / 1,000)</i>
<u>Mitigation Fee Act Park Facilities Standard</u>			
Improved Parkland	61.54 acres	37,525	1.64 acres / 1,000 capita
Total Parkland	122.65 acres	37,525	3.27 acres / 1,000 capita
Open Space	370.73 acres	37,525	9.88 acres / 1,000 capita
<u>Quimby Act Parkland Dedication Standard</u>			
Total Parkland	122.65 acres	32,690	3.75 acres / 1,000 capita

¹ Service population is based on residents and workers for the Mitigation Fee Act standard. Residents as of last Federal Census in 2020 used to calculate Quimby Act standard.
Sources: Tables 2.4 and 5.1.

Park facility costs based on the facility standards in **Table 5.2** are shown in **Table 5.3**. Land costs reflect a conservative estimate of \$2,695,000 per acre for acquisition based on the City’s 2018 cost to acquire the Goleta Train Depot. This cost is used to be conservative because it is significantly less than the average cost per acre incurred by the City to acquire right of way recently. Park development costs based on the City’s budgeted cost to rehabilitate Stow Park from the City’s most recent CIP. The table has two sections, depending on whether the project is subject to the Quimby Act:

- ◆ The “All Development Except Residential Subdivisions” section shows costs for development projects that would not be subject to the Quimby Act. Costs components include: (1) improved parkland (park development costs only excluding land acquisition), (2) total parkland (land acquisition costs only), and (3) open space (land acquisition costs only).
- ◆ The “Residential Subdivision” section shows costs for development projects that would be subject to the Quimby Act. Cost components include: (1) a Quimby park dedication in-lieu fee based on parkland acquisition, (2) an impact fee based on park improvements and open space acquisition.
- ◆ All fees include five percent for fee program administration.

Table 5.3: Existing Capital Asset Park Facility Standards

Facility Type	Existing Facility Standard <i>(acres per 1,000 capita)</i>	Average Replacement Cost <i>(per unit)¹</i>	Total Cost <i>(per capita)</i>
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a x b / 1,000</i>
<i>All Development Except Residential Subdivisions</i>			
Park Facilities Impact Fee (Mitigation Fee Act)			
Improved Parkland	1.64	\$ 919,000	\$ 1,507
Total Parkland	3.27	2,695,100	8,813
Open Space	9.88	27,600	273
Subtotal			\$ 10,593
Program Administration (5% of total)			558
Total			\$ 11,151
<i>Residential Subdivisions</i>			
Parkland Dedication In-lieu Fee (Quimby Act)			
Total Parkland	3.75	\$ 2,695,100	\$ 10,107
Program Administration (5% of total)			532
Subtotal			\$ 10,639
Park Facilities Impact Fee (Mitigation Fee Act)			
Improved Parkland	1.64	919,000	1,507
Open Space	9.88	27,600	273
Subtotal			\$ 1,780
Program Administration (5% of total)			94
Subtotal			\$ 1,874
Total			\$ 12,513

Note: Total cost per capita rounded to the nearest dollar.
¹ Land cost based on City's recent land acquisition costs. Park development costs based on cost per acre to renovate Stow Grove Park from the City's current CIP (Project No. 9074).
 Sources: City of Goleta CIP; Urban Economics; Table 5.2.

The total cost for new development to maintain the existing parkland standard is \$11,151 per capita if the project is not a residential subdivision subject to the Quimby Act. The total cost is \$12,513 if the project is subject to the Quimby Act. The higher per capita cost for projects subject to the Quimby Act is due to the higher standard for parkland acquisition, as described above.

Fee Schedule

The updated park and recreation facilities impact fee and Quimby Act in-lieu fee are shown in **Table 5.4**. The fees are based on the costs per capita shown in **Table 5.3** necessary to maintain the City's existing park standards.

Fees adopted at this level would allow the City to provide parks to new development at the same ratio of facilities to service population that currently exists in the City of Goleta today. As a policy decision, the City can adopt any fee lower than the maximum justified amounts.

Table 5.4: Park & Recreation Facilities Impact and Park Dedication In-lieu Fees

Land Use Category	Cost per Capita	Occupant Density (Residents/DU or Workers/KSF)	Relative Demand	Maximum Justified Fee	Fee per Square Foot ¹
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d = a * b * c</i>	<i>e = d / average</i>
<i>All Development Except Residential Subdivisions (Mitigation Fee Act)</i>					
Residential					
Single Family Detached	\$11,151	2.95	1.00	\$ 32,895 per DU	\$ 18.37
All Other Residential ²	11,151	2.07	1.00	23,083 per DU	24.90
Nonresidential					
Retail & Commercial	\$11,151	2.33	0.20	5,196 per KSF	\$ 5.20
Office & Medical	11,151	3.13	0.20	6,981 per KSF	6.98
Industrial	11,151	1.16	0.20	2,587 per KSF	2.59
<i>Residential Subdivisions</i>					
Parkland Dedication In-Lieu Fee (Quimby Act)					
Single Family Detached	\$10,639	2.95	1.00	\$ 31,385 per DU	\$17.52
All Other Residential ²	10,639	2.07	1.00	22,023 per DU	23.76
Park Development & Open Space Fee (Mitigation Fee Act)					
Single Family Detached	\$ 1,874	2.95	1.00	\$ 5,528 per DU	\$ 3.09
All Other Residential ²	1,874	2.07	1.00	3,879 per DU	4.18
Total Fee					
Single Family Detached	\$12,513	2.95	1.00	\$ 36,913 per DU	\$ 20.61
All Other Residential	12,513	2.07	1.00	25,902 per DU	27.94

Note: "DU" = dwelling unit; "KSF" = thousand building square feet.

¹ Assumes 1,791 square feet per average sized single family unit and 927 for all other residential units in Goleta based on an analysis of American Housing Survey data from 2023.

² Includes attached and detached accessory dwelling units.

Sources: Tables 2.2, 2.4, and 5.3.

Use of Fee Revenue

Estimated fee revenue through buildout based on the growth forecast presented in Chapter 2 is shown in **Table 5.5**. This estimate assumes that all projects are subject to the Mitigation Fee Act only and would not pay a Quimby in-lieu fee. The fee for apartments is used to estimate revenue for the "All Other Residential" category. Fee revenue would be slightly higher to the extent growth includes single family detached housing and/or is subject to the Quimby Act.

Table 5.5: Park & Recreation Facilities Impact Fee Revenue

Land Use Category	Formula	Growth (2025- Buildout) ¹ a	Maximum Justified Fee ² b	Revenue (2025- Buildout) c = a * b
<i>Residential</i>				
Single Family Detached		978	\$ 32,895	\$ 32,200,000
All Other Residential		<u>2,351</u>	23,083	<u>54,300,000</u>
Subtotal		3,329		\$ 86,500,000
<i>Nonresidential</i>				
Retail & Commercial		1,268	\$ 5,196	\$ 6,600,000
Office & Medical		1,871	6,981	13,100,000
Industrial		<u>888</u>	2,587	<u>2,300,000</u>
Subtotal		4,027		\$ 22,000,000
Total				\$108,500,000

Notes: Revenue estimates assume all projects are subject only to the Mitigation Fee Act fees and not the Quimby Act in-lieu fee. Totals rounded to nearest \$100,000.

¹ Dwelling units for residential and thousand building square feet for nonresidential land uses.

² Per average sized dwelling unit for residential and per thousand building square feet for nonresidential land uses.

Sources: Table 2.1 and 5.4.

The City may use park and recreation facilities impact fee revenue for any capital project that expands the capacity of the City’s park facilities. The City programs impact fee revenue through its Capital Improvement Plan, which serves as the adopted CIP for this nexus study, as required by AB 602.

If revenue is used to replace an existing facility without expanding capacity, the project provides a joint benefit to existing and new development. In this case then the fee can fund only 21 percent of project costs based on new development as a share of total development at buildout (see **Table 2.4**).

The City is largely built out and there are limited opportunities for to acquire additional parkland. Therefore, the City anticipates using fee revenue to further develop existing parks with expanded, improved, or enhanced recreational facilities and infrastructure. Refer to the City’s adopted Capital Improvement Program for the anticipated use of fee revenue to fund capital projects within the next five years.

The City must also allocate five percent of fee revenue to program administration. Administration costs include costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City will monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

6. TRANSPORTATION FACILITIES

This chapter provides the updated nexus analysis, fee schedule, and estimated revenue for the transportation impact fee. Transportation facilities include roadways, intersections, and transit infrastructure. Improvements specifically targeted to accommodate increased bicycle and pedestrian travel from new development are addressed in the following chapter.

Determining the impact of development on the need for expanded transportation facilities required a sophisticated technical analysis. That analysis is described in this chapter and supported by attachments to this report.

Transportation Demand Modeling

Planning for transportation improvements is typically addressed with the use of a travel demand model. Travel demand models estimate the effect of land use on the generation of vehicle trips and how those trips distribute across the transportation network. The Goleta Travel Model used in the City's prior Public Facilities Impact Fee Program was updated in 2025 for use in this nexus analysis. The model encompasses 182 traffic analysis zones that aggregate the underlying land use based on 28 land use categories. The model covers an area that includes the city and surrounding portions of the Goleta Valley to analyze impacts on the City's transportation system from growth both in and around the city. The model is a single-mode (auto trips only) model and analyzes both morning (a.m.) and evening (p.m.) peak-period travel.

The travel model was used to analyze the impacts of the city's buildout growth scenario described in Chapter 2, along with surrounding regional growth, on the city's transportation system. The results update the list of improvements described in the Transportation Element of 2006 *Goleta General Plan*.

Facility Standards

The travel model used facility standards to determine where transportation improvements are needed within the city (1) to correct existing deficiencies, and (2) address future deficiencies caused by new development. Facility standards for transportation analysis are based on policies in the

Transportation Element of the City's *General Plan*.⁹ The City's primary policy for roadways and intersections is to maintain a level of service (LOS) "C" or better, representing restricted traffic flow that remains stable but without causing significant delay. In this instance LOS is a commonly used measure of congestion and delay based on the ratio of the number of vehicles using a roadway to the capacity of the roadway (vehicle-to-capacity ratio). The LOS policy for intersections is similar though the type of analysis varies. Certain roadways and intersections required more specialized analysis of their operation (operational analysis) to determine if a deficiency exists.

Capital Improvements and Fair Share Analysis

The results of the travel model and related transportation impact analysis generated a list of 35 capital improvement projects to address existing and future deficiencies on the City's transportation system.

Next, a fair share analysis was conducted so that the impact fee will fund only the portion of those improvements that are associated with growth within the city. The analysis uses model output to quantify the number of trips using each improvement and the origin and destination of those trips. The fair share analysis allocated the need for each improvement across three categories that summed to 100 percent:

1. Existing deficiency
2. New development outside Goleta
3. New development inside Goleta

Finally, cost estimates for each improvement were developed. The total cost for all 35 projects is \$555.6 million.

Combining the fair share analysis with the improvement cost estimates resulted in a total cost to accommodate the impacts of new development within the city on the City's transportation system. See **Table 6.1** for a summary of these results for each improvement. As shown in the table, new development within the city is responsible for 53.29 percent of total project costs, or \$296 million.

⁹ City of Goleta, *Goleta General Plan/Coastal Land Use Plan*, Transportation Element, September 2006, pp. 7-16 to 7-17.

Table 6.1: Transportation Improvements and Costs

Map ID	Project Location	Total Cost (\$1,000s)	Existing Deficiency		Total Growth ¹		Goleta Growth	
			Share	Cost (\$1,000s)	Share	Cost (\$1,000s)	Share	Cost (\$1,000s)
Existing Roadways								
R-02	Hollister Avenue Complete Streets Corridor Plan	10,750	70%	7,510	30%	3,240	47.52%	1,540
R-10	US 101 NB Aux Lane Between Los Carneros Road and Storke Road	22,650	0%	-	100%	22,650	25.11%	5,688
R-11	US 101 NB/SB Aux Lanes Between Fairview Avenue and Los Carneros Road	33,500	0%	-	100%	33,500	61.01%	20,439
R-12	Storke Road Widening: Phelps Road to City Limits	6,000	65%	3,883	35%	2,117	44.92%	951
R-13	Los Carneros Way Realignment	23,650	0%	-	100%	23,650	73.25%	17,324
R-14	South Fairview Avenue Widening	6,200	0%	-	100%	6,200	46.72%	2,897
Subtotal		92,000	4%	3,883	96%	88,117	51.41%	47,298
Existing Intersections								
I-01	Fairview Avenue/Calle Real Intersection Improvements	40,100	0%	-	100%	40,100	68.19%	27,344
I-02	Fairview Avenue at US101 SB On-Ramp Improvements	28,800	0%	-	100%	28,800	53.88%	15,516
I-03	Fairview Avenue at US 101 NB On-Ramp Improvements	13,300	0%	-	100%	13,300	52.76%	7,018
I-07	Hollister Widening - West of Storke Road	3,620	0%	-	100%	3,620	62.47%	2,261
I-08	Patterson Avenue at US101 SB Ramp Improvements	44,450	78%	34,671	22%	9,779	33.95%	3,320

Table 6.1: Transportation Improvements and Costs Continued

Map ID	Project Location	Total Cost (\$1,000s)	Existing Deficiency		Total Growth ¹		Goleta Growth	
			Share	Cost (\$1,000s)	Share	Cost (\$1,000s)	Share	Cost (\$1,000s)
I-12-02	New Intersection Control - Calle Real / Carlo Drive	8,500	0%	-	100%	8,500	67.89%	5,771
I-12-02 (I4)	New Intersection Control - Cathedral Oaks Road / Hollister Avenue / US 101 NB Ramps	9,100	0%	-	100%	9,100	84.10%	7,653
I-12-03 (R4)	New Intersection Control - Calle Real / N La Patera Lane	8,500	0%	-	100%	8,500	69.09%	5,873
I-12-05	New Intersection Control - Cathedral Oaks Road / Los Carneros Road	11,650	0%	-	100%	11,650	56.78%	6,614
I-12-06	New Intersection Control - Cathedral Oaks Road / N La Patera Lane	12,550	0%	-	100%	12,550	57.22%	7,181
I-12-07	New Intersection Control - Fairview Avenue / Stow Canyon Road	11,850	0%	-	100%	11,850	76.55%	9,071
I-12-10	New Intersection Control - Hollister Avenue / Cannon Green Drive	2,350	79%	1,860	21%	490	87.80%	430
I-12-11	New Intersection Control - Hollister Avenue / Pebble Beach Drive	13,850	0%	-	100%	13,850	87.53%	12,123
I-12-12	New Intersection Control - Hollister Avenue / St. Joseph's Street	11,150	36%	3,960	64%	7,190	25.79%	1,854
I-12-23	New Intersection Control - Carlo Drive / Cathedral Oaks Road	8,050	0%	-	100%	8,050	58.12%	4,678
I-12-27	New Intersection Control - Cathedral Oaks / 101 SB-Ramp	34,000	67%	22,842	33%	11,158	81.01%	9,039
I-12-30	New Intersection Control - Hollister Avenue / Palo Alto Drive	10,200	0%	-	100%	10,200	89.08%	9,086

Table 6.1: Transportation Improvements and Costs Continued

Map ID	Project Location	Total Cost (\$1,000s)	Existing Deficiency		Total Growth ¹		Goleta Growth	
			Share	Cost (\$1,000s)	Share	Cost (\$1,000s)	Share	Cost (\$1,000s)
I-12-31	New Intersection Control - Hollister Avenue / Santa Felicia Drive	2,180	78%	1,696	22%	484	84.31%	408
I-12-32	New Intersection Control - Storke Avenue / Santa Felicia Drive	270	78%	211	22%	59	50.15%	30
I-12-33	New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue	9,250	0%	-	100%	9,250	88.52%	8,189
I-12-34	New Intersection Control - Hollister Avenue / Cortona Drive	1,700	66%	1,115	34%	585	73.87%	432
I-12-35	New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road	8,800	0%	-	100%	8,800	27.23%	2,397
I-12-36	New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue	9,250	0%	-	100%	9,250	30.16%	2,790
I-18	Storke Road at US101 SB Ramps	22,400	81%	18,140	19%	4,260	50.09%	2,134
I-22	Hollister Avenue / Fairview Avenue Intersection Improvements	15,850	0%	-	100%	15,850	52.91%	8,386
Subtotal		341,720	25%	84,494	75%	257,226	46.70%	159,598
New Roadways								
R-05	Goleta US 101 Bike/Ped Overcrossing	92,300	0%	-	100%	92,300	85.05%	78,504
R-09	Phelps Road Extension	18,800	0%	-	100%	18,800	48.41%	9,100
Subtotal		111,100	0%	-	100%	111,100	78.85%	87,604
Total		555,570	17%	95,887	83%	459,683	53.29%	296,040

¹ Total growth share includes Goleta growth share and excludes existing deficiency share.
Sources: Attachment A.

See **Appendix A: Traffic Needs Analysis** provided under separate cover for more detail on the travel forecast, deficiency assessment, and fair share analysis. See **Appendix B: Transportation Improvement Cost Opinions** provided under separate cover for more detail on the cost estimation work conducted for each improvement.

Fee Schedule

The transportation impact fee schedule is based on (1) trip generation rates, (2) total trips from new development, and (3) the overall cost per new trip associated with the improvements in **Table 6.1**. The methodology is explained in the sections that follow.

Trip Generation Rates

Demand for traffic facilities is based on vehicle trip generation rates. Trip rates measure the rate at which trips occur, either an origin or a destination (known as a “trip end”), from a specific type of land use. Thus, trip generation rates distribute the impact of growth equally between both ends of a trip.

Vehicle trip rates are based on the evening peak hour because this period generates the greatest demand on the roadway system. The use of evening peak hour trip rates for the fee calculation is consistent with the approach taken by the travel modeling and described above.

The transportation impact fee schedule is based on a “cost per trip” that represents the total improvement cost allocated to new development divided by total trips estimated to be generated by new development. The formula is:

$$\text{Cost per trip} = \frac{\text{Total trips (across all land use categories)}}{\text{Total improvement costs allocated to new development (see Table 6.1)}}$$

The formula for calculating trips from land use category^(a) is shown below:

$$\begin{aligned} \text{Trips for land use category}^{(a)} &= \\ &\text{Land use category}^{(a)} \text{ growth (in units)} \times \\ &\text{Land use category}^{(a)} \text{ trip rate (per unit)} \end{aligned}$$

Total trips are calculated by summing up trips generated across all land use categories in the growth forecast.

Growth by land use category is expressed in dwelling units or 1,000 building square feet. Trip rates are expressed per dwelling unit or per 1,000 building square feet.

To calculate the fee on a development project, the appropriate land use category and related trip generation rate are identified from the *Trip Generation* manual published by the Institute of Transportation Engineers (ITE). The manual includes estimated trip rates for over 100 land use categories. The cost per trip is multiplied by the trip rate applicable to the development project and by the size of the development project to calculate the fee for that project, or:

$$\text{Development project with land use category}^{(a)} \text{ fee} = \\ \text{Cost per trip} \times \text{Trip rate for land use category}^{(a)} \text{ (per unit)} \times \\ \text{Project size (in units)}$$

Note that trip rates by land use category are used both in (1) calculation of total trips used to calculate the cost per trip, and (2) application of the fee to individual development projects. To ensure that the fee program generates total revenue equal to the cost of improvements allocated to new development, both calculations must use a consistent set of trip generation rates.

As shown in Chapter 2 (see **Table 2.1**) the growth forecast for this study and used in the travel model includes 28 land use categories. To maintain consistency between the calculation of total trips based on the growth forecast, and the ITE rates used to calculate individual project fees, growth in each of the forecast's 28 categories is allocated to the more detailed categories used by ITE. This effort ensures that the calculation of total trips from growth, and therefore the cost per trip used in the fee schedule, is as consistent as possible with the trip rates used to calculate the fee on each development project.

Table 6.2 shows how trip generation rates were developed for each of the growth forecast's land use categories based on ITE rates. For each category, we estimated the amount of growth in land use sub-categories consistent with the ITE rates and calculated a weighted average trip rate for each category.

Table 6.2: Vehicle Trip Rates

Travel Demand Model Land Use Category	ITE Trip Generation Manual			P.M. Peak Hour Trip Rate		
	Code	Land Use	Unit	ITE	Weight ¹	Average
Single Family Detached	210	Single Family Detached	DU	0.93	100%	0.93
All Other Residential	220	Multifamily Housing (Low Rise)	DU	0.52	36%	
	215	Single Family Attached	DU	0.51	53%	
	252	Senior Housing - Multifamily	DU	0.25	5%	
	255	Continuing Care	DU	0.19	5%	
		Weighted Average			100%	
Auto Services	843	Automobile Parts Sales	KSF	4.86	100%	4.86
Banks	911	Walk-In Bank	KSF	12.13	100%	12.13
Fast Food Restaurants		[No growth forecast]				
Hotel	310	Hotel	room	0.47	50%	
	320	Motel	room	0.37	50%	
		Weighted Average			100%	
Indoor Recreation	492	Health / Fitness Club	KSF	3.77	50%	
	493	Athletic Club	KSF	3.38	50%	
		Weighted Average			100%	
Shopping Mall		[No growth forecast]				
Neighborhood Commercial	814	Variety Store	KSF	6.70	6%	
	816	Hardware / Paint Store	KSF	2.98	0%	
	817	Nursery / Garden Center	KSF	6.58	1%	
	850	Supermarket	KSF	8.79	55%	
	861	Sporting Goods Superstore	KSF	2.09	1%	
	863	Electronic Superstore	KSF	4.25	1%	
	875	Department Store	KSF	1.95	0%	
	876	Apparel Store	KSF	5.77	10%	
	880	Pharmacy / Drugstore	KSF	8.51	15%	
	890	Furniture Store	KSF	0.57	3%	
	975	Drinking Place	KSF	6.44	7%	
	Weighted Average			100%	7.75	
Regional Commercial	814	Variety Store	KSF	6.70	6%	
	816	Hardware / Paint Store	KSF	2.98	7%	
	817	Nursery / Garden Center	KSF	6.58	1%	
	850	Supermarket	KSF	8.79	15%	
	861	Sporting Goods Superstore	KSF	2.09	3%	
	863	Electronic Superstore	KSF	4.25	6%	
	875	Department Store	KSF	1.95	32%	
	876	Apparel Store	KSF	5.77	12%	
	880	Pharmacy / Drugstore	KSF	8.51	4%	
	890	Furniture Store	KSF	0.57	11%	
	925	Drinking Place	KSF	6.44	2%	
	Weighted Average			100%	4.18	

Table 6.2: Vehicle Trip Rates (continued)

Travel Demand Model Land Use Category	ITE Trip Generation Manual			P.M. Peak Hour Trip Rate		
	Code	Land Use	Unit	ITE	Weight ¹	Average
Resort Hotel	330	Resort Hotel	KSF	0.39	100%	0.39
Restaurants	931	Fine Dining Restaurant	KSF	8.10	25%	8.91
	932	High-turnover (sit-down)	KSF	9.18	75%	
	Weighted Average				100%	
Theater	445	Movie Theater	KSF	4.91	100%	4.91
Hospitals	610	Hospital	KSF	0.86	100%	0.86
Medical	630	Clinic	KSF	3.67	50%	3.55
	720	Medical-Dental Office	KSF	3.42	50%	
	Weighted Average				100%	
Office	710	General Office	KSF	1.18	50%	0.99
	770	Business Park	KSF	0.79	50%	
	Weighted Average				100%	
Heavy Industrial	130	Industrial Park	KSF	0.23	100%	0.23
Light Industrial	110	General Light Industrial	KSF	0.49	100%	0.49
Research & Development	760	Research & Development Center	KSF	0.45	100%	0.45

Notes: "DU" = dwelling unit; "KSF" = thousand building square feet.

¹ Weight reflects estimated share of new development by land use category. All Other Residential estimates from Goleta fiscal impact study (see sources). Commercial land use estimates based on Easton and Owen (see sources). Other estimates reflect current land use allocations within the City and input from City staff.

Sources: Institute of Transportation Engineers, *Trip Generation 12th Edition*, 2025; Economics Research Associates, *A Fiscal Impact Analysis of the Proposed General Plan for the City of Goleta*, Sept. 7, 2006, Table II-1; Gregory Easton and John Owen, *Creating Walkable Neighborhood Business Districts*, June 2009, Table 2.

Total Trips from Growth

Total trips from growth are based on the trip generation rates in **Table 6.2** and the growth forecast from **Table 2.1** in Chapter 2. Vehicle trip rates are adjusted to exclude pass-by trips. Pass-by trips reflect trip ends that are intermediate stops between an origin and destination and therefore place additional demand on the roadway network. Pass-by rates are based on surveys conducted by the San Diego Association of Governments and provide sufficient detail by land use category. The same pass-by rates will be used when applying the fee to individual development projects to maintain the necessary consistency discussed above. New development in Goleta is estimated to generate 8,844 P.M. peak hour trips at buildout, as shown in **Table 6.3**.

Table 6.3: New Development Vehicle Trip Generation

Travel Demand Model Land Use Category	Growth (2025-Buildout) ¹		P.M. Peak Hour Trip Rate			Primary P.M. Peak Hour Trips	
	Amount	Units	Total Trips	Pass- by Trip Share	Primary/ Diverted Trip Rate	Trips	Share
Single Family Detached	978	DU	0.93	3%	0.90	880	10%
All Other Residential	2,351	DU	0.48	3%	0.47	1,105	12%
Auto Services ¹	75	KSF	4.86	10%	4.37	328	4%
Banks ¹	5	KSF	12.13	25%	9.10	46	1%
Fast Food Restaurants ¹	-	KSF	NA	40%	NA	NA	NA
Hotels	454	rooms	0.42	4%	0.40	182	2%
Indoor Recreation	114	KSF	3.58	9%	3.26	372	4%
Shopping Mall	-	KSF	NA	NA	NA	NA	NA
Neighborhood Commercial ¹	636	KSF	7.75	40%	4.65	2,957	33%
Regional Commercial ¹	37	KSF	4.18	20%	3.34	124	1%
Resort Hotel	48	KSF	0.39	4%	0.37	18	0%
Restaurants ¹	34	KSF	8.91	20%	7.13	242	3%
Theater	65	KSF	4.91	17%	4.08	265	3%
Hospitals	60	KSF	0.86	2%	0.84	50	1%
Medical	75	KSF	3.55	10%	3.20	240	3%
Office	1,736	KSF	0.99	4%	0.95	1,649	19%
Heavy Industrial	144	KSF	0.23	3%	0.22	32	0%
Light Industrial	678	KSF	0.49	2%	0.48	325	4%
Research & Development	66	KSF	0.45	2%	0.44	29	0%
Total Trips						8,844	100%

Notes: "DU" = dwelling unit; "KSF" = thousand building square feet.

¹ Used specific rates for p.m. peak hour noted in footnote (S) of SANDAG (see sources). For Auto Services used SANDAG rate for Special Retail/Strip Commercial (other) category. For Restaurants used SANDAG rate for Sit Down/High Turnover Restaurant category.

Source: San Diego Association of Governments, (Not So) Brief Guide of Vehicular Trip Generation Rates For The San Diego Region, April 2002; Tables 2.1 and 6.2.

Cost per Trip

The cost per trip used to apply the fee to individual development projects is based on the total costs of capital improvements allocated to growth (\$296 million) from **Table 6.1**, and total trips from growth (8,844) shown in **Table 6.3**. Total costs are reduced by the City's existing transportation impact fee fund balance. In addition, five percent is added to the net cost for fee program administration. The total cost per trip is \$35,081 as shown in **Table 6.4**.

Table 6.4: Transportation Fee Cost per Trip

Transportation Improvement Cost: Goleta Growth Share (\$1,000s)	\$296,040
Estimated Impact Fee Fund Balance (June 30, 2025)	<u>1,296</u>
Net Goleta Growth Share	\$294,744
Program Administration (5% of total)	<u>15,513</u>
Total GTIF Program Cost	\$310,257
P.M. Peak Hour Trips from Growth, 2017-Buildout	<u>8,844</u>
Proposed Fee per P.M. Peak Hour Trip	<u>\$ 35,081</u>
Sources: Tables 6.1 and 6.3.	

Smart Growth and VMT Efficient Housing Discounts

As described above, the fee for each development project will be calculated by multiplying the cost per trip from **Table 6.4** by the applicable ITE trip generation rate adjusted by the applicable SANDAG pass-by rate. Fees for a sample of land use categories are shown in **Table 6.5**.

Housing development projects that meet certain smart growth or VMT efficient criteria must be charged a lower impact fee to reflect lower levels of demand for transportation facilities.¹⁰

The Smart Growth criteria are:

1. The housing development is located within one-half mile of a transit station and there is direct access between the housing development and the transit station along a barrier-free walkable pathway not exceeding one-half mile in length.
2. The housing development is located within one-half mile from three or more of the following:
 - a. A supermarket or grocery store.
 - b. A public park.
 - c. A community center.
 - d. A pharmacy or drugstore.
 - e. A medical clinic or hospital.
 - f. A public library.
 - g. A school that maintains a kindergarten or any of grades 1 to 12, inclusive.
 - h. A licensed childcare facility.
 - i. A restaurant.

¹⁰ Government Code, section 66005.1

3. The housing development provides no more than one onsite parking space for zero- to two-bedroom units, and two onsite parking spaces for three or more bedroom units.

Eligible housing projects that meet the criteria would receive a 15% discount on the transportation impact fees based on Smart Growth Trip Generation Study (SANDAG, June 2010). The average reduction in trip generation from the SANDAG Study was shown to be approximately 15% relative to the Institute of Transportation Engineers (ITE) based trip generation factors for housing developments without these characteristics.

As used in this section, "housing development" means a development project with common ownership and financing consisting of residential use or mixed use where not less than 50 percent of the floor space is for residential use.

For the purposes of this section, "transit station" has the meaning set forth in paragraph (4) of subdivision (b) of Section 65460.1. "Transit station" includes planned transit stations otherwise meeting this definition whose construction is programmed to be completed prior to the scheduled completion and occupancy of the housing development. Transit headway criteria of 10 minutes or less at a transit hub served by three or more transit service lines is defined as cumulative headway versus individual service line headways.

The applicant/developer will be responsible for conducting the initial analysis of the relationship of the new project to the criteria in order to consider eligibility for the discount. The City of Goleta will need to verify accuracy for final determination of project's eligibility for the discount.

Table 6.5: Transportation Impact Fee Schedule (sample)

Sample Land Use Category	Cost per Trip	ITE P.M. Peak Hour Trip Rate	SANDAG Pass-by Trip Share	Transportation Impact Fee	Fee per Square Foot ¹
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d = a x b x (1 - c)</i>	<i>e = d / average sq. ft.</i>
<i>Residential</i>					
Single Family Detached	\$ 35,081	0.93	3%	\$ 31,647 per DU	\$ 17.67
Apartment	35,081	0.52	3%	17,695 per DU	9.88
<i>Nonresidential</i>					
Hotel	\$ 35,081	0.47	4%	\$ 15,829 per room	n/a
Supermarket	35,081	8.79	40%	185,017 per KSF	185.02
General Office	35,081	1.18	4%	39,740 per KSF	39.74
General Light Industrial	35,081	0.49	2%	16,846 per KSF	16.85

Notes: "DU" = dwelling unit; "KSF" = thousand building square feet.

¹ Assumes 1,791 square feet per average sized single family unit and 927 for all other residential units in Goleta based on an analysis of American Housing Survey data from 2023.

Source: San Diego Association of Governments, (Not So) Brief Guide of Vehicular Trip Generation Rates For The San Diego Region (including footnote (s)), April 2002; Tables 6.2, 6.3, and 6.4.

Use of Fee Revenue

The City may use transportation impact fee revenue for any of the capital improvements listed in **Table 6.1**. Some of these projects overlap with the prior nexus study and are already programmed in the City’s current (FY 2025-26 to FY 2026-27) Capital Improvement Plan. The City can revise the list of capital improvements to be funded by the fee based on updated travel demand modeling when it periodically updates the nexus analysis.

The City need not limit funding from fee revenue for each project to the fair share amounts shown in **Table 6.1**. The City can concentrate fee revenue on some projects in exchange for using alternative funding sources on other projects. Alternative funding sources includes state and federal transportation programs and grants. Through the planning horizon of this program (buildout), the City needs to identify approximately \$259.5 million in alternative funding sources to fully fund all improvements (\$555.6 million - \$296 million). At a minimum the City needs to identify \$95.9 million associated with correcting existing deficiencies noted in **Table 6.1**.

The City must allocate five percent of fee revenue to program administration. Administration costs included costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City will monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

7. BICYCLE & PEDESTRIAN FACILITIES

This chapter provides a nexus analysis, fee schedule, and estimated revenue for the City's bicycle and pedestrian facilities impact fee. Bicycle and pedestrian facilities include sidewalks and related improvements, and bicycle paths and bike lanes whether within or outside of the street right of way.

Facility Standards

The bicycle and pedestrian facilities impact fee uses the City's existing capital assets to determine the facility standard and provide a reasonable relationship between new development and the need for additional facilities. The impact fee funds the expansion of bicycle and pedestrian facilities at a rate sufficient to maintain the existing ratio of facilities to service population as growth occurs. See the *Facility Standard* section in Chapter 3 for more explanation of this approach.

The City's existing capital asset inventory of bicycle and pedestrian facilities and the associated facility standards is shown in **Table 7.1**. Service population is from **Table 2.4**.

Table 7.1: Bicycle & Pedestrian Facilities Standard

Facility Type	Existing Inventory			Existing Service Population	Existing Facility Standard (units per capita)
	Linear Feet	Average Width (ft.)	Total		
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>	<i>d</i>	<i>e = c / d</i>
Sidewalks	569,669	6	3,418,016 sq. ft.	37,525	91
Curb & Gutter	854,504	NA	854,504 ln. ft.	37,525	23
Class I Bike Paths	32,250	10	322,500 sq. ft.	37,525	9
Class II Bike Lanes	222,578	NA	222,578 ln. ft.	37,525	6
Class III Bike Boulevards	63,575	NA	63,575 ln. ft.	37,525	2

Note: Existing facility standard rounded to nearest square foot, or linear foot per capita.

Sources: City of Goleta Infrastructure Inventory Update (2025 Infrastructure Inventory Update_250221_FINAL v1.xlsx); Table 2.4.

The bicycle and pedestrian facilities costs are shown in **Table 7.2**. Replacement costs were provided by the City for use in this analysis. The total cost for new development to maintain this facility standard is \$8,241 per capita including fee program administration costs.

Table 7.2: Bicycle & Pedestrian Facilities Costs

Facility Type	Existing Facility Standard		Average Replacement Cost	Total Cost (per Capita)
	<i>(units per capita)</i>		<i>(per unit)¹</i>	
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>	
Sidewalks	91 sq. ft.	\$ 44.00		\$ 4,004
Curb & Gutter	23 ln. ft.	147.00		3,381
Class I Bike Paths	9 sq. ft.	36.25		326
Class II Bike Lanes	6 ln. ft.	18.94		114
Class III Bike Boulevards	2 ln. ft.	1.89		4
Subtotal				\$ 7,829
Program Administration (5% of total)				412
Total				\$ 8,241

Note: Total Cost per Capita rounded to the nearest whole dollar.
¹ Average replacement costs identified in City of Goleta 2025 Infrastructure Inventory Update.
 Sources: City of Goleta 2025 Infrastructure Inventory Update (2025 Infrastructure Inventory Update_250221_FINAL v1.xlsx), Table 7.1.

Fee Schedule

The bicycle and pedestrian facilities impact fee is shown in **Table 7.3**. The fee is based on the cost per capita shown in **Table 7.2** necessary to maintain the City’s existing capital asset facility standard.

Fees adopted at this level would allow the City to provide facilities to new development at the same ratio of facilities to service population that currently exists in the City of Goleta today. As a policy decision, the City can adopt any fee lower than the maximum justified amounts.

Table 7.3: Bicycle and Pedestrian Facilities Impact Fee

Land Use Category	Cost per Capita	Occupant Density (Residents/DU or Workers/KSF)	Relative Demand	Maximum Justified Fee	Fee per Square Foot ¹
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d = a x b x (1 - c)</i>	<i>e = d / average sq. ft.</i>
<i>Residential</i>					
Single Family Detached	\$ 8,241	2.95	1.00	\$ 24,311 per DU	\$ 13.57
All Other Residential ²	8,241	2.07	1.00	17,059 per DU	18.40
<i>Nonresidential</i>					
Retail & Commercial	\$ 8,241	-	0.20	\$ 3,840 per KSF	\$ 3.84
Office & Medical	8,241	3.13	0.20	5,159 per KSF	5.16
Industrial	8,241	1.16	0.20	1,912 per KSF	1.91

¹ Assumes 1,791 square feet per average sized single family unit and 927 for all other residential units in Goleta based on an analysis of American Housing Survey data from 2023.

² Includes attached and detached accessory dwelling units.

Sources: Tables 2.2, 2.4, and 7.2.

Use of Fee Revenue

Estimated fee revenue through buildout based on the growth forecast presented in Chapter 2 is shown in **Table 7.4**.

Table 7.4: Bicycle & Pedestrian Facilities Impact Fee Revenue

Land Use Category	Growth (2025- Buildout) ¹	Maximum Justified Fee ²	Revenue (2025- Buildout)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>
<i>Residential</i>			
Single Family Detached	978	\$ 24,311	\$ 23,800,000
All Other Residential	2,351	17,059	40,100,000
Subtotal	3,329		\$ 63,900,000
<i>Nonresidential</i>			
Retail & Commercial	1,268	\$ 3,840	\$ 4,900,000
Office & Medical	1,871	5,159	9,700,000
Industrial	888	1,912	1,700,000
Subtotal	4,027		\$ 16,300,000
Total			\$ 80,200,000

¹ Dwelling units for residential and thousand building square feet for nonresidential land uses.

² Per average sized dwelling unit for residential and per thousand building square feet for nonresidential land uses.

Sources: Table 2.1 and 7.3.

The City may use bicycle and pedestrian facilities impact fee revenue to fund any capital project that expands the capacity of the City's bicycle and/or pedestrian facilities. The City programs impact fee revenue through its Capital Improvement Plan, which serves as the adopted CIP for this nexus study, as required by AB 602.

If revenue is used to replace an existing facility without expanding capacity, the project provides a joint benefit to existing and new development. In this case then the fee can fund only 21 percent of project costs based on new development as a share of total development at buildout (see **Table 2.4**). However, if the City raises other funds for facility expansion that would accommodate growth, then the impact fee revenue that would have been used for expansion projects could be re-programmed to joint benefit projects without adhering to the funding share noted here.

The City must also allocate five percent of fee revenue to program administration. Administration costs include costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City will monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

8. STORM DRAIN FACILITIES FEE

This chapter provides a nexus analysis, fee schedule, and estimated revenue for an update to the City's storm drain facilities impact fee. Storm drain facilities include pipes, culverts, catch basins and related facilities used to convey surface storm water.

Storm Drain Demand

New development generates storm water runoff by increasing the amount of land that is impervious to precipitation. The increased stormwater runoff must be controlled through storm drain facilities. **Table 8.1** shows the calculation of equivalent dwelling unit (EDU) demand factors, which relate the amount of impervious surface generated by various land uses to the amount of impervious surface generated by a typical single family dwelling unit. Density assumptions are based on typical densities from the City's General Plan. The average percent impervious factors are derived from California EPA data.

Table 8.1: Equivalent Dwelling Units

Land Use	Density (Units per Acre of KSF/Acre) ¹	Average Percent Impervious	Impervious Surface per DU or KSF	Equivalent Dwelling Unit (EDU) ²
<i>Formula</i>	<i>a</i>	<i>b</i>	$c = b * 43,560 / a$	$d = c / \text{Single family}$
<i>Residential</i>				
Single Family Detached	5.00	0.49	4,269	1.00
All Other Residential	20.00	0.70	1,525	0.36
<i>Nonresidential</i>				
Retail & Commercial	15.246	0.86	2,457	0.58
Office & Medical	17.424	0.69	1,725	0.40
Industrial	17.424	0.81	2,025	0.47

¹ Dwelling units for residential and thousand building square feet for non-residential. Density based on typical development densities from the City's General Plan. Density based on R-SF zoning for single family detached, and R-MD zoning for all other residential. Nonresidential densities are based on floor-area-ratios (FAR) of 0.35 for retail/commercial and 0.40 for office/medical and industrial.

² EDUs per dwelling unit for residential development and per thousand square feet for nonresidential development.

Sources: Pages 10 and 15, User's Guide for the California Impervious Surface Coefficients, Office of Environmental Health Hazard Assessment California Environmental Protection Agency, December 2010; Tables 2-1 and 2-3, Goleta General Plan/Coastal Land Use Plan; Urban Economics.

Table 8.2 applies the EDU factors calculated in Table 8.1 to the land use scenario from Table 2.1 to express demand for storm drain facilities in terms of impervious surface EDUs in the base year, at the planning horizon, and for the projected growth increment.

Table 8.2: Land Use Scenario and EDUs

	EDU Factor	Existing (DU/ KSF)	Existing EDUs	Projected Growth (DU/KSF)	Growth in EDUs	Buildout (DU/ KSF)	Build-out EDUs
<i>Residential</i>							
Single Family Detached	1.00	5,533	5,533	978	978	6,511	6,511
All Other Residential	0.36	<u>7,622</u>	<u>2,744</u>	<u>2,351</u>	<u>846</u>	<u>9,973</u>	<u>3,590</u>
Subtotal		13,155	8,277	3,329	1,824	16,484	10,101
<i>Nonresidential</i>							
Retail & Commercial	0.58	3,353	1,945	1,268	735	4,621	2,680
Office & Medical	0.40	3,187	1,275	1,871	748	5,058	2,023
Industrial	0.47	<u>6,684</u>	<u>3,141</u>	<u>888</u>	<u>417</u>	<u>7,572</u>	<u>3,559</u>
Subtotal		13,224	6,361	4,027	1,901	17,251	8,262
Total			14,638		3,726		18,364
Percent of Total			80%		20%		100%

Sources: Tables 8.1 and 2.1.

Facility Standards

The storm drain facilities impact fee uses the City’s existing capital assets to determine the facility standard and provide a reasonable relationship between new development and the need for additional facilities. The impact fee would fund the expansion of storm drain facilities at a rate sufficient to maintain the existing ratio of facilities to impervious surface as growth occurs. See the *Facility Standard* section in Chapter 3 for more explanation of this approach.

The City’s existing inventory of storm drain facilities and associated replacement costs are shown in **Table 8.3**. Existing storm drain EDUs are identified in **Table 8.2**. Dividing the existing quantifies of facilities by existing EDUs results in the existing storm drain infrastructure standards, expressed per EDU.

Table 8.3: Existing Storm Drain Facilities & Standards

Facility Type	Quantity	Units	Existing EDUs	Existing Facility Standard (units per EDU)
Underground Drainage	129,433	Linear Feet	14,638	8.84
Inlets	823	Each	14,638	0.06
Outlets	336	Each	14,638	0.02
Maintenance Holes	587	Each	14,638	0.04
Surface Drainage (Channel)	21,175	Cubic Yards	14,638	1.45

Notes: Replacement costs provided by City for use in this analysis based on recent project bid results and Caltrans data, adjusted for inflation into 2025 dollars. Cost per linear foot is the weighted average cost across all types of materials for a given diameter.
Sources: City of Goleta Infrastructure Inventory Update, 2026; Table 8.2.

The existing storm drain facilities cost standard in **Table 8.4**. The infrastructure standards from Table 8.3 are multiplied by the average replacement cost for each facility type to determine the existing cost standard per EDU. Unit replacement costs were provided by City for use in this analysis based on recent project bid results and Caltrans data, and were adjusted for inflation into 2025 dollars. The cost for new development to maintain the existing storm drain infrastructure facility standards is \$10,845 per EDU including fee program administration costs.

Table 8.4: Storm Drain Facilities Cost Standard

Facility Type	Existing Facility Standard (units per EDU)	Average Replacement Cost (per unit) ¹	Total Cost (per EDU)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>
Underground Drainage	8.84 In. ft.	\$ 559	\$ 4,943
Inlets	0.06 each	12,326	693
Outlets	0.02 each	9,440	217
Maintenance Holes	0.04 each	22,600	906
Surface Drainage (Channel)	1.45 c.y.	2,450	3,544
Subtotal			\$ 10,303
Program Administration (5% of total)			542
Total			\$ 10,845

Note: Total Cost per EDU rounded to the nearest whole dollar.

¹ Average replacement costs identified in City of Goleta 2026 Infrastructure Inventory Update.

Sources: City of Goleta 2026 Infrastructure Inventory Update, Table 8.3

Fee Schedule

The storm drain facilities impact fee is shown in **Table 8.5**. The fee is based on the cost per EDU shown in Table 8.4 necessary to maintain the City’s existing capital asset facility standard.

Fees adopted at this level would allow the City to provide facilities to new development at the same ratio of facilities to impervious surface that currently exists in the City of Goleta today. As a policy decision, the City can adopt any fee lower than the maximum justified amounts.

Table 8.5: Storm Drain Facilities Impact Fee Schedule

Land Use Category	Cost per EDU	EDU Factor	Maximum Justified Fee		Fee per Square Foot ¹
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>		<i>d = c / average sq. ft.</i>
<i>Residential</i>					
Single Family Detached	\$10,845	1.00	\$10,845	per DU	\$6.06
All Other Residential ²	10,845	0.36	3,904	per DU	4.21
<i>Nonresidential</i>					
Retail & Commercial	\$10,845	0.58	\$ 6,290	per KSF	\$6.29
Office & Medical	10,845	0.40	4,338	per KSF	4.34
Industrial	10,845	0.47	5,097	per KSF	5.10

¹ Assumes 1,791 square feet per average sized single family unit and 927 for all other residential units in Goleta based on an analysis of American Housing Survey data from 2023.

² Includes attached and detached accessory dwelling units.

Sources: Tables 2.2, 2.4, and 8.2.

Use of Fee Revenue

Estimated fee revenue through buildout based on the growth forecast presented in Chapter 2 is shown in **Table 8.6**. The City is currently pursuing the development of a Storm Drain Master Plan (Project No. 9085) which will be used to identify capacity expanding storm drain projects.

Table 8.6: Storm Drain Facilities Impact Fee Revenue

Land Use Category	Growth (2025- Buildout) ¹	Maximum Justified Fee ²	Revenue (2025- Buildout)
<i>Formula</i>	<i>a</i>	<i>b</i>	<i>c = a * b</i>
<i>Residential</i>			
Single Family Detached	978	\$ 10,845	\$ 10,600,000
All Other Residential	<u>2,351</u>	3,904	<u>9,200,000</u>
Subtotal	3,329		\$ 19,800,000
<i>Nonresidential</i>			
Retail & Commercial	1,268	\$ 6,290	\$ 8,000,000
Office & Medical	1,871	4,338	8,100,000
Industrial	<u>888</u>	5,097	<u>4,500,000</u>
Subtotal	4,027		\$ 20,600,000
Total			\$ 40,400,000

Note: Fee revenue rounded to nearest \$100,000.

¹ Dwelling units for residential and thousand building square feet for nonresidential land uses.

² Per average sized dwelling unit for residential and per thousand building square feet for nonresidential land uses.

Sources: Table 8.2 and 8.5.

The City may use storm drain facilities impact fee revenue to fund any capital project that expands the capacity of the City's storm drain facilities. The City programs impact fee revenue through its Capital Improvement Plan, which serves as the adopted CIP for this nexus study, as required by AB 602.

If revenue is used to replace an existing facility without expanding capacity, the project provides a joint benefit to existing and new development. In this case then the fee can fund only 20 percent of project costs based on new development as a share of total development at buildout (see **Table 8.2**). However, if the City raises other funds for facility expansion that would accommodate growth, then the impact fee revenue that would have been used for expansion projects could be re-programmed to joint benefit projects without adhering to the funding share noted here.

The City must allocate five percent of fee revenue to program administration. Administration costs include costs to collect and account for fee revenue, and costs to comply with the Mitigation Fee Act such as annual and five-year reporting requirements. The City will monitor its actual program administration costs and adjust this charge accordingly when the impact fee is updated in the future.

GTIP-DIF Project Development Status

ID	TITLE	In 2018 DIF	2018 DIF Cost (\$1,000's)	Completed	In 2025 DIF	Existing Signal	Signal Warrant	2025 Original Scope Cost (\$1,000's)	2025 Roundabout Option Cost (\$1,000's)	Notes	DELIVERABLES					MNS Notes	
											Original Scope Sketch	RBT Option Sketch	Final Sketches	Original Scope Estimate	RBT Option Estimate		Final Estimates
I-01	Fairview Avenue/Calle Real Intersection Improvements	Y	\$1,990		Y	Y	Y	\$7,650	\$40,100		Y	Y		Y	Y	2	
I-02	Fairview Avenue at US101 SB On-Ramp Improvements	Y	\$6,650		Y	Y	Y	\$28,800			Y			Y		1	
I-03	Fairview Avenue at US 101 NB On-Ramp Improvements	Y	\$2,550		Y	Y	Y	\$7,200	\$13,300		Y	Y		Y	Y	2	
I-07	Hollister Widening - West of Storke Road	Y	\$1,700		Y	Y	Y	\$3,620			Y		1	Y		1	
I-08	Patterson Avenue at US101 SB Ramp Improvements	Y	\$12,300		Y	Y	Y	\$44,450			Y		1	Y		1	
I-09	Patterson Avenue at US 101 NB Ramp Improvements	Y	\$1,620	Y	Y	Y	Y			Constructed							
I-12-02	New Intersection Control - Calle Real / Carlo Drive	Y	\$792		Y		Y	\$1,460	\$8,500			Y		Y	Y	2	"Typical Project" estimates
I-12-02 (I4)	New Intersection Control - Cathedral Oaks Road / Hollister Avenue / US 101 NB Ramps	Y	\$792		Y		Y	\$2,180	\$9,100			Y		Y	Y	2	"Typical Project" estimates
I-12-03 (R4)	New Intersection Control - Calle Real / N La Patera Lane	Y	\$792		Y		Y	\$1,460	\$8,500			Y		Y	Y	2	"Typical Project" estimates
I-12-05	New Intersection Control - Cathedral Oaks Road / Los Carneros Road	Y	\$792		Y		Y	\$1,460	\$11,650			Y		Y	Y	2	"Typical Project" estimates
I-12-06	New Intersection Control - Cathedral Oaks Road / N La Patera Lane	Y	\$792		Y		Y	\$1,860	\$12,550			Y		Y	Y	2	"Typical Project" estimates
I-12-07	New Intersection Control - Fairview Avenue / Stow Canyon Road	Y	\$792		Y		Y	\$2,180	\$11,850			Y		Y	Y	2	"Typical Project" estimates
I-12-08	New Intersection Control - Fairview Avenue / Berkeley Road	Y	\$792		Y		Y	\$2,180	\$16,900			Y		Y	Y	2	"Typical Project" estimates
I-12-09	New Intersection Control - Fairview Avenue / Shirrell Way	Y	\$792				Y			Removed from list by City							
I-12-10	New Intersection Control - Hollister Avenue / Cannon Green Drive	Y	\$792		Y		Y	\$2,350		RBT removed from list by City				Y		1	"Typical Project" estimate
I-12-11	New Intersection Control - Hollister Avenue / Pebble Beach Drive	Y	\$792		Y		Y	\$2,180	\$13,850			Y		Y	Y	2	"Typical Project" estimates
I-12-12	New Intersection Control - Hollister Avenue / La Sumida Gardens Lane	Y	\$792		Y		Y	\$1,700	\$11,150			Y		Y	Y	2	"Typical Project" estimates
I-12-23	New Intersection Control - Carlo Drive / Cathedral Oaks Road				Y			\$8,050		ID'd in 2025 analysis				Y		1	"Typical Project" estimate
I-12-24	New Intersection Control - Cathedral Oaks Avenue / Patterson Avenue						Y			Removed from list by City							
I-12-27	New Intersection Control - Cathedral Oaks / 101 SB-Ramp				Y			\$34,000		ID'd in 2025 analysis				Y		1	"Typical Project" estimate
I-12-28	New Intersection Control - Cremona Drive / Hollister Avenue									Removed from list by City							
I-12-29	New Intersection Control - Sperling Preserve / Ellwood Dwy / Hollister Avenue									Removed from list by City							
I-12-30	New Intersection Control - Hollister Avenue / Palo Alto Drive				Y			\$10,200		ID'd in 2025 analysis				Y		1	"Typical Project" estimate
I-12-31	New Intersection Control - Hollister Avenue / Santa Felicia Drive				Y		Y	\$2,180		RBT removed from list by City				Y		1	"Typical Project" estimate
I-12-32	New Intersection Control - Storke Avenue / Santa Felicia Drive				Y		Y	\$270		RBT removed from list by City				Y		1	"Typical Project" estimate
I-12-33	New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue				Y			\$9,250		ID'd in 2025 analysis				Y		1	"Typical Project" estimate
I-12-34	New Intersection Control - Hollister Avenue / Cortona Drive				Y		Y	\$1,700		RBT removed from list by City				Y		1	"Typical Project" estimate
I-12-35	New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road				Y			\$8,800		Added in 2026						1	"Typical Project" estimate
I-12-36	New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue				Y			\$9,250		Added in 2026						1	"Typical Project" estimate
I-13	Hollister Avenue at Kellogg Avenue	Y	\$465	Y		Y	Y			In construction (Project Connect)							
I-16	Glen Annie Road at US 101 NB Ramps	Y	\$395	Y		Y	Y			Constructed							
I-18	Storke Road at US101 SB Ramps	Y	\$4,380		Y	Y	Y	\$22,400			Y			Y		1	
I-21	Los Carneros Road at Hollister Avenue	Y	\$1,620			Y				Removed from list by City							
I-22	Hollister Avenue / Fairview Avenue Intersection Improvements	Y	\$6,700		Y	Y	Y	\$15,850			Y			Y		1	
R-01a.1	Hollister Avenue at Route 217 Southbound Ramps (Roundabout)	Y	\$6,700	Y						In construction (Project Connect)							
R-01a.2	Hollister Avenue at Route 217 Northbound Ramps (Roundabout)	Y	\$5,650	Y						In construction (Project Connect)							
R-01a.3	Fowler Road Extension	Y	\$6,050	Y						In construction (Project Connect)							
R-01a.4	Ekwill Street Extension	Y	\$8,650	Y						In construction (Project Connect)							
R-02	Hollister Avenue Complete Streets Corridor Plan	Y	\$5,050		Y			\$10,750			Y			Y		1	
R-04.2	La Patera Road/US 101 Crossing	Y	\$60,600														
R-05	Goleta US 101 Bike/Ped Overcrossing	Y	\$28,850		Y			\$92,300		Converted to bike and ped only	Y			Y		1	
R-09	Phelps Road Extension	Y	\$4,650		Y			\$18,800			Y			Y		1	
R-10	US 101 NB Aux Lane Between Los Carneros Road and Storke Road	Y	\$4,310		Y			\$22,650			Y			Y		1	
R-11	US 101 NB/SB Aux Lanes Between Fairview Avenue and Los Carneros Road	Y	\$10,900		Y			\$33,500			Y			Y		1	
R-12	Storke Road Widening: Phelps Road to City Limits	Y	\$2,350		Y			\$6,000			Y			Y		1	
R-13	Los Carneros Way Realignment	Y	\$3,890		Y			\$23,650			Y			Y		1	
R-14	South Fairview Avenue Widening	Y	\$2,040		Y			\$6,200			Y			Y		1	
R-18	Los Carneros Road / Calle Koral Roadway Widening	Y	\$1,580							Removed from list by City							
T-1	Goleta Train Depot and La Patera Lane Improvements	Y	\$19,700	Y													
Total	49	37	\$220,052	8	35	11	25	\$446,530	\$157,450		15	11	2	32	11	45	

SUM OF ALL PROJECTS (MINIMUM) \$428,480
SUM OF ALL PROJECTS (MAXIMUM) \$554,420

TOTAL SKETCHES 26
TOTAL ESTIMATES 43
8% Complete
105% Complete

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

Description: • Construct two lane roundabout to improve congestion at one of the busiest intersections in the City.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection and each leg of Fairview Avenue and Calle Real.

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 240

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 1,141,700	+	1
Pavement Structural Section	\$ 1,722,300	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 650,000	+	5
Traffic Items	\$ 825,000	+	6
Minor Items	\$ 1,128,300	+	7
Roadway Mobilization	\$ 583,000	+	8
Roadway Contingency	\$ 1,282,500	+	9
TOTAL ROADWAY COST	\$ 7,694,900	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 7,695,000	=	
TOTAL RIGHT OF WAY COST	\$ 27,500,000	=	11
Management Support	\$ 769,500	+	10%
PA&ED Support	\$ 769,500	+	10%
PS&E Support	\$ 1,154,300	+	15%
Right of Way Support	\$ 153,900	+	2%
Construction Support	\$ 1,231,200	+	16%
Support Contingency	\$ 815,700	+	20%
TOTAL SUPPORT COST	\$ 4,895,000	=	

of Construction Costs
of Support Costs

Total Estimated Project Costs: \$ 40,100,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	5,833	x 110.00 = \$	641,630	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 500,000 = \$	500,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 1,141,700

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	2,855	x 237.97 = \$	679,404	2
Class 2 Aggregate Base	CY	2,917	x 134.30 = \$	391,753	3
Slurry Seal	TN	28	x 2,700.00 = \$	75,600	4
Minor Concrete (Miscellaneous Construction)	CY	404	x 1,424.58 = \$	575,530	5,6,7,8
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,722,300

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	9
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	10
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 400,000 = \$	400,000	
Irrigation System	LS	1	x 125,000 = \$	125,000	
Plant Establishment Work	LS	1	x 65,000 = \$	65,000	
Implement Erosion Control	LS	1	x 25,000 = \$	25,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 35,000 = \$	35,000	
TOTAL ENVIRONMENTAL				\$ 650,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 725,000 = \$	725,000	11
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 100,000 = \$	100,000	
TOTAL TRAFFIC ITEMS				\$ 825,000	

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			6.0%	\$ 282,066	
Stage Construction and Traffic Handling			8.0%	\$ 376,088	
ADA Items			4.0%	\$ 188,044	
Other Minor Items			6.0%	\$ 282,066	
Total of Section 1-6	\$	4,701,100	x 24.0%	= \$ 1,128,264	
TOTAL MINOR ITEMS				\$ 1,128,300	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	5,829,400	x 10%	= \$ 582,940	
TOTAL MOBILIZATION				\$ 583,000	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	6,412,400	x 20%	= \$ 1,282,480	
TOTAL CONTINGENCY				\$ 1,282,500	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x =	\$ -	
Acquisition - Commercial Property	SF	17,500	x 250.00 =	\$ 4,375,000	
Acquisition of Offsite Mitigation	SF		x =	\$ -	
Utility Relocation	LS	1	x 500,000 =	\$ 500,000	
Railroad - TCE	LS		x =	\$ -	
Railroad - Flaggers	LS		x =	\$ -	
Clearance / Demolition	SF	1	x 2,000,000 =	\$ 2,000,000	
Relocation Assistance	LS		x =	\$ -	
Right of Way Contingency	LS	300%	x 6,875,000 =	\$ 20,625,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 27,500,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)

52,500 SF

Depth of AC

0.75 feet

Depth of base

2.25 feet

Roadway excavation = width * length * depth

157,500 CF

5,833 CY

RESULT NO. 1

5,833

NOTE NO. 2

AC pavement area (from CAD)

52,500 SF

Depth of AC

0.75 feet

Roadway excavation = width * length * depth

39,375 CF * 145 pounds/CF / 2,000 pounds/ton

2,855 TN

RESULT NO. 2

2,855

NOTE NO. 3

Aggregate base area (from CAD)

52,500 SF

Depth of base

1.50 feet

Roadway excavation = width * length * depth

78,750 CF

2,917 CY

RESULT NO. 3

2,917

NOTE NO. 4

Approaches to project

Length along:

150 feet	northerly Fairview
150 feet	easterly Calle Real
50 feet	southerly Fairview
150 feet	westerly Calle Real

Width

86 feet	northerly Fairview
72 feet	easterly Calle Real
56 feet	southerly Fairview
102 feet	westerly Calle Real

Area

41,800 feet

Coverage rate

1,500 SF/TN

28 CY

RESULT NO. 4

28

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 5

New sidewalk length
 225 feet Fairview NW
 100 feet Fairview NE
 420 feet Calle Real NE
 100 feet Calle Real SE
 100 feet Fairview SE
 110 feet Fairview SW
 200 feet Calle Real SW
 225 feet Calle Real NW
 1480 feet TOTAL
 Sidewalk width (most of it is multi-use path)
 10 feet
 Sidewalk thickness
 4 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 4933 CF
 183 CY

RESULT NO. 5 **183**

NOTE NO. 6

New Caltrans A2-6 curb and gutter length
 240 feet Fairview NW
 115 feet Fairview NE
 450 feet Calle Real NE
 110 feet Calle Real SE
 110 feet Fairview SE
 120 feet Fairview SW
 225 feet Calle Real SW
 240 feet Calle Real NW
 1610 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 95 CY

RESULT NO. 6 **95**

NOTE NO. 7

Driveways and truck apron
 4 each
 25 feet length
 100 feet TOTAL
 Driveway width
 20 feet
 Driveway area
 2000 SF
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 6 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 2250 CF
 83 CY

RESULT NO. 7 **83**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb length
 500 feet northerly Fairview
 500 feet easterly Calle Real
 225 feet southerly Fairview
 450 feet westerly Calle Real
 1,675 feet TOTAL

Volume / foot
 0.03 CY/foot

Volume = Minor Concrete (Miscellaneous Construction)
 43 CY

RESULT NO. 8 **43**

NOTE NO. 9

New drop inlets - assumed one each side of the road on each leg
 8 each

Depth of drop inlets
 5 feet

Drop inlet volume - Caltrans OL-10

Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet

Volume = Minor Concrete (Miscellaneous Construction)
 24 CY

RESULT NO. 9 **24**

NOTE NO. 10

Estimated length of RCP
 1,500 feet

RESULT NO. 10 **1,500**

NOTE NO. 11

New street lights
 20 each

Cost per street light
 \$ 35,000

Total lights
 \$ 700,000

Connection
 \$ 25,000

RESULT NO. 11 **\$ 725,000**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real Traffic Signal

- Description:
- Construct second through lane on Calle Real EB by adding separate right turn pocket.
 - Construct left turn lane on Fairview Avenue NB to accommodate double left turn lanes.
 - Widen south side of Calle Real to accommodate additional through lane.
 - Construct additional left turn lane on Fairview Avenue NB to accommodate double left turn lanes.
 - Widen east side of Fairview Avenue to accommodate additional lane.
 - Construct Class II bike lanes in both directions on Fairview Avenue and Class IV on west leg.
 - Remove sidewalk from west side of Fairview Avenue.

Scope: Demolition; pavement widening; traffic signal modification; pavement delineation with slurry seal; drainage modifications; right of way.

Limits: Intersection and Calle Real west leg and Fairview Avenue south leg.

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 160

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 191,600	+	1
Pavement Structural Section	\$ 328,900	+	2
Drainage	\$ 34,900	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 15,000	+	5
Traffic Items	\$ 840,000	+	6
Minor Items	\$ 282,100	+	7
Roadway Mobilization	\$ 169,300	+	8
Roadway Contingency	\$ 372,400	+	9
TOTAL ROADWAY COST	\$ 2,234,200	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 2,234,000	=	

TOTAL RIGHT OF WAY COST \$ 3,947,000 = 11

Management Support	\$ 223,400	+	10%
PA&ED Support	\$ 223,400	+	10%
PS&E Support	\$ 335,100	+	15%
Right of Way Support	\$ 44,700	+	2%
Construction Support	\$ 357,500	+	16%
Support Contingency	\$ 236,900	+	20%
TOTAL SUPPORT COST	\$ 1,421,000	=	

Management Support PA&ED Support PS&E Support Right of Way Support Construction Support Support Contingency	of Construction Costs of Support Costs
--	--

Total Estimated Project Costs: \$ 7,650,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real Traffic Signal

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	885	x 160.00 = \$	141,600	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 50,000 = \$	50,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 191,600

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	316	x 418.28 = \$	132,176	2
Class 2 Aggregate Base	CY	242	x 295.45 = \$	71,499	3
Slurry Seal	TN	7	x 3,507.95 = \$	24,556	4
Minor Concrete (Miscellaneous Construction)	CY	83	x 1,212.77 = \$	100,660	5
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 328,900

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	2	x 2,900.00 = \$	5,800	7
Reinforced Concrete Pipe	LF	60	x 485.00 = \$	29,100	8
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 34,900

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real Traffic Signal

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS	1	x 15,000 = \$	15,000	
TOTAL ENVIRONMENTAL					\$ 15,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	11
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	12
TOTAL TRAFFIC ITEMS					\$ 840,000

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0% = \$	70,520
Stage Construction and Traffic Handling			5.0% = \$	70,520
ADA Items			5.0% = \$	70,520
Other Minor Items			5.0% = \$	70,520
Total of Section 1-6	\$	1,410,400	x 20.0% = \$	282,080
TOTAL MINOR ITEMS				\$ 282,100

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	1,692,500	x 10% = \$	169,250
TOTAL MOBILIZATION				\$ 169,300

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	1,861,800	x 20% = \$	372,360
TOTAL CONTINGENCY				\$ 372,400

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real Traffic Signal

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x = \$	-	
Acquisition - Commercial Property	SF	6,525	x 250.00 = \$	1,631,153	9
Acquisition of Offsite Mitigation	SF		x = \$	-	
Utility Relocation	LS		x = \$	-	
Railroad - TCE	LS		x = \$	-	
Railroad - Flaggers	LS		x = \$	-	
Clearance / Demolition	LS	1	x 1,000,000 = \$	1,000,000	10
Relocation Assistance	LS		x = \$	-	
Right of Way Contingency	LS	50%	x 2,631,153 = \$	1,315,576	
TOTAL RIGHT OF WAY ESTIMATE				\$ 3,946,700	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real Traffic Signal

NOTES AND CALCULATIONS

NOTE NO. 6

Drainage Impacts

Red Remove curb inlet located on east side of Fairview
 Remove pipe connecting this structure to the curb inlet on the south side of Calle Real

Blue New curb inlet on east side of widened Fairview
 New pipe connecting new structure and the existing structure on the south side of Calle Real



RESULT NO. 6

Notes 7&8 Info

NOTE NO. 7

Drainage System Needed (shown in Note 6)

Curb Inlets Type OS (H=6'), cast in place per Caltrans standard plans:

Concrete / Structure

1.53 CY for H = 3'

0.278 CY per each additional foot

2.364 CY EA

RESULT NO. 7

2

NOTE NO. 8

Assumed Drainage System Needed shown in Note 6.

Reinforced Concrete Pipe Length 60 feet

RESULT NO. 8

60

NOTE NO. 9

Acquisition - Commercial Property

Row to add Class IV lanes on west leg

Length

300 LF

Width

16 FT

Total

4800 SF

RoW Take East of Fairview

661 SF

RoW Take South of Calle Real

763 SF

RoW for SD

300 SF

Total

1725 SF

High value due to nature of business.



RESULT NO. 9

6,525

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-01 Fairview Avenue at Calle Real Traffic Signal

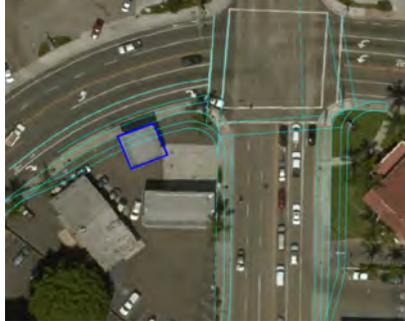
NOTES AND CALCULATIONS

NOTE NO. 10

Clearance/ Demo Area
650 SF

Remove gas filling station
island and canopy.

High cost due to nature of
structure.



RESULT NO. 10 **650**

NOTE NO. 11

Signal and Lighting
Scale: Major
Legs: 4
Cost: \$700,000

RESULT NO. 11 **\$700,000**

NOTE NO. 12

Permanent Pavement Delineation
Cost \$40,000

RESULT NO. 12 **\$40,000**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-02 Fairview Avenue at US 101 Southbound Ramps

Description: Construct additional right-turn lane from Fairview Avenue NB to US 101 SB on-ramp.
 • Construct pork chop island with pedestrian/bike activated signal at the SB on-ramp.
 • Widen US 101 SB on-ramp to three lanes to allow free right onto on-ramp.
 • Provide Class I facility on west side of roadway/bridge from Hollister to ramps.
 • Existing Class II bike lane NB will remain on the east shoulder of Fairview Avenue.

Scope: Demolition; pavement widening; pavement delineation and slurry seal; railroad overhead widening (bridge); retaining wall; guard railing; traffic signal modifications, railroad coordination.

Limits: Intersection, Fairview Avenue south leg and US 101 on-ramp.

Estimate Type: Planning (Caltrans)

Estimate Date: 20-Jan-26

Working Days: 240

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 847,600	+	1
Pavement Structural Section	\$ 659,400	+	2
Drainage	\$ -	+	3
Specialty Items	\$ 2,132,700	+	4
Environmental	\$ 200,000	+	5
Traffic Items	\$ 920,000	+	6
Minor Items	\$ 761,600	+	7
Roadway Mobilization	\$ 552,200	+	8
Roadway Contingency	\$ 1,822,100	+	9
TOTAL ROADWAY COST	\$ 7,895,600	=	
TOTAL STRUCTURES COST	\$ 6,205,100	+	10
TOTAL CONSTRUCTION COST	\$ 14,101,000	=	
TOTAL RIGHT OF WAY COST	\$ 4,950,000	=	11
Management Support	\$ 1,410,100	+	10%
PA&ED Support	\$ 1,410,100	+	10%
PS&E Support	\$ 2,115,200	+	15%
Right of Way Support	\$ 282,100	+	2%
Construction Support	\$ 2,256,200	+	16%
Support Contingency	\$ 2,242,200	+	30%
TOTAL SUPPORT COST	\$ 9,716,000	=	

	of Construction Costs
	of Support Costs

Total Estimated Project Costs: \$ 28,800,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-02 Fairview Avenue at US 101 Southbound Ramps

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	443	x 228.81 = \$	101,363	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	919	x 40.00 = \$	36,760	3
Structure Excavation (Retaining Wall)	CY	1,087	x 300.00 = \$	326,100	4
Structure Backfill (Retaining Wall)	CY	795	x 325.00 = \$	258,375	5
Clearing & Grubbing	LS	1	x 125,000 = \$	125,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 847,600

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	347	x 418.28 = \$	145,143	6
Class 2 Aggregate Base	CY	266	x 295.45 = \$	78,590	7
Slurry Seal	TN	19	x 3,507.95 = \$	66,651	8
Minor Concrete (Miscellaneous Construction)	CY	259	x 1,424.58 = \$	368,966	15
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 659,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF	652	x 22.04 = \$	14,370	9
Chain Link Fence	LF	248	x 75.00 = \$	18,600	10
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF	900	x 214.48 = \$	193,032	11
Structural Concrete, Retaining Wall	CY	1,700	x 1,121.58 = \$	1,906,686	12
TOTAL SPECIALTY ITEMS					\$ 2,132,700

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-02 Fairview Avenue at US 101 Southbound Ramps

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 80,000 = \$	80,000	
Irrigation System	LS	1	x 40,000 = \$	40,000	
Plant Establishment Work	LS	1	x 30,000 = \$	30,000	
Implement Erosion Control	LS	1	x 25,000 = \$	25,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 25,000 = \$	25,000	
TOTAL ENVIRONMENTAL				\$ 200,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 900,000 = \$	900,000	13
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 20,000 = \$	20,000	
TOTAL TRAFFIC ITEMS				\$ 920,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0%	\$ 237,985
Stage Construction and Traffic Handling			5.0%	\$ 237,985
ADA Items			1.0%	\$ 47,597
Other Minor Items			5.0%	\$ 237,985
Total of Section 1-6	\$	4,759,700	x 16.0%	= \$ 761,552
TOTAL MINOR ITEMS				\$ 761,600

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	5,521,300	x 10%	= \$ 552,130
TOTAL MOBILIZATION				\$ 552,200

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	6,073,500	x 30%	= \$ 1,822,050
TOTAL CONTINGENCY				\$ 1,822,100

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-02 Fairview Avenue at US 101 Southbound Ramps

SECTION 10: STRUCTURES ITEMS

Name / ID	UPRR OH	xxxxxxx	xxxxxxx
Structure Type	PC/PS I	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	32 LF	0 LF	0 LF
Total Bridge Length	113 LF	0 LF	0 LF
Total Area (Square Feet)	3616 SQFT	0 SQFT	0 SQFT
Complexity	7	5	5
Unusual Features	6	0	0
Cost Per Square Foot	\$1,200	\$0	\$0
COST OF EACH BRIDGE	\$ 4,339,200	\$ -	\$ -

Name / ID	xxxxxxx	xxxxxxx	xxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$ 4,339,200
Structures Mobilization Percentage	10%	\$ 433,920
Structures Contingency Percentage	30%	\$ 1,431,936
TOTAL COST OF STRUCTURES		\$ 6,205,100

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF			x		-	
Acquisition - Commercial Property	SF	9,000	250.00	x	=	\$ 2,250,000	
Acquisition of Offsite Mitigation	SF			x		-	
Utility Relocation	LS			x		-	
Railroad - TCE	LS	1	750,000	x	=	\$ 750,000	14
Railroad - Flaggers	LS	1	300,000	x	=	\$ 300,000	
Clearance / Demolition	SF			x		-	
Relocation Assistance	LS			x		-	
Right of Way Contingency	LS	50%	3,300,000	x	=	\$ 1,650,000	
TOTAL RIGHT OF WAY ESTIMATE						\$ 4,950,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-02 Fairview Avenue at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 1

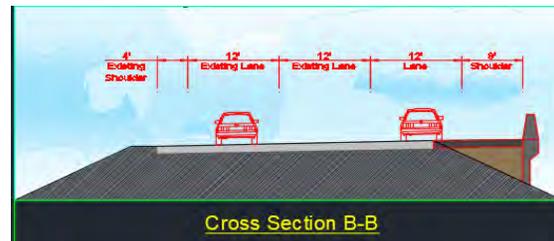
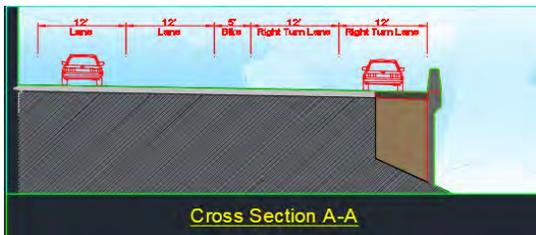
Roadway excavation area (from CAD)
 7183 SF Widening
 Depth
 1.67 feet
 Volume = (Sum of Areas) * Depth
 11972 CF
 443 CY

RESULT NO. 1

443

NOTE NO. 2

Images show worst case. This case is carried out along entire wall length.



Length	115	feet
Structure Excavation	38	SF
Structure Backfill	28	SF
Import Borrow	74	SF
Retaining Wall	43.54	SF

Length	652	feet
Structure Excavation	38	SF
Structure Backfill	28	SF
Import Borrow	25	SF
Retaining Wall	36.41	SF

RESULT NO. 2

Information Only

NOTE NO. 3

Import borrow (See note 2)
 Cross Section A-A
 74 SF
 Length
 115 feet
 Volume = area * length
 8,510 CF
 315 CY

Cross Section B-B
 25 SF
 Length
 652 feet
 Volume = area * length
 16,300 CF
 604 CY

RESULT NO. 3

919

NOTE NO. 4

Structure Ex (See note 2)

Cross Section A-A

38 SF

Length

115 feet

Volume = area * length

4,399 CF

163 CY

Cross Section B-B

38 SF

Length

652 feet

Volume = area * length

24,939 CF

924 CY

RESULT NO. 4**1,087****NOTE NO. 5**

Structure Backfill (See note 2)

Cross Section A-A

28 SF

Length

115 feet

Volume = area * length

3,220 CF

119 CY

Cross Section B-B

28 SF

Length

652 feet

Volume = area * length

18,256 CF

676 CY

RESULT NO. 5**795****NOTE NO. 6**

AC Pavement

Widening Area (from CAD)

7183 SF

Depth

0.67 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton

347 ton

RESULT NO. 6**347****NOTE NO. 7**

Aggregate base

Area (from CAD)

7183 SF

Widenings

Depth

1.00 feet

Volume = (Sum of Areas) * Depth

7183 CF

266 CY

RESULT NO. 7**266****NOTE NO. 8**

Slurry seal

Area (from CAD)

28643.43 SF

Tonnage = area / 1500SF/TN

19.1 TN

RESULT NO. 8**19****NOTE NO. 9**

Remove guard rail along ramp. Length equal to wall in Cross Section B-B (See Note 2)

RESULT NO. 9**652****NOTE NO. 10**

Chain Link Fence along Fairview

On Structure 133 ft

On Wall A-A 115 ft

RESULT NO. 10**248**

NOTE NO. 11

Concrete Barrier on Walls and Structure

On Structure	133 ft
On Wall A-A	115 ft
On Wall B-B	652 ft

RESULT NO. 11 **900****NOTE NO. 12**

Structural Concrete

Cross Section A-A

47 SF

Length

115 feet

Volume = area * length

5,352 CF

198 CY

Cross Section B-B

36 SF

Length

652 feet

Volume = area * length

23,739 CF

879 CY

Wall on westside for bike path widening

Cross Section

28 SF

Length

600 feet

Volume = area * length

16,800 CF

622 CY

TOTAL

1,700 CY

RESULT NO. 12 **1,700****NOTE NO. 13**

Traffic signal

2 x \$450,000

Modifications

RESULT NO. 13 **\$ 900,000****NOTE NO. 14**

UPRR TCE components

Engineering, permitting, fees, miscellaneous items

\$250,000

TCE acquisition costs

\$250,000

RESULT NO. 14 **\$ 500,000****NOTE NO. 15**

Bike Path Pavement

Width

14 FT

Length

1,000 FT

Depth

0.50 FT

Volume

7000 CF

259 CY

RESULT NO. 15 **\$ 259**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps

- Description:
- Construct through lane WB on US 101 NB off-ramp to Fairview Avenue SB.
 - Widen the north side of US 101 NB off-ramp to accommodate the new lane.
 - Replace traffic signals at intersection.
 - Relocate light standards at intersection.
 - Add additional right turn lane from Fairview Avenue NB to the US 101 NB on-ramp.
 - Widen US 101 NB on-ramp to accommodate a separate right turn from Fairview Avenue.
 - Add Class I bike path on west side.

Scope: Demolition; pavement widening; AC overlay; pavement delineation and slurry seal; traffic signal modification; landscaping.

Limits: Intersection and US 101 NB off-ramp.

Estimate Type: Planning (Caltrans)

Estimate Date: 16-Jan-26

Working Days: 120

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 285,100	+	1	
Pavement Structural Section	\$ 848,700	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 125,000	+	5	
Traffic Items	\$ 900,000	+	6	
Minor Items	\$ 539,700	+	7	
Roadway Mobilization	\$ 269,900	+	8	
Roadway Contingency	\$ 890,600	+	9	
TOTAL ROADWAY COST	\$ 3,859,000	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 3,859,000	=		
TOTAL RIGHT OF WAY COST	\$ 650,000	=	11	
Management Support	\$ 385,900	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 385,900	+	10%	
PS&E Support	\$ 578,900	+	15%	
Right of Way Support	\$ 77,200	+	2%	
Construction Support	\$ 617,500	+	16%	
Support Contingency	\$ 613,700	+	30%	of Support Costs
TOTAL SUPPORT COST	\$ 2,660,000	=		

Total Estimated Project Costs: \$ 7,200,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	885	x 160.00 = \$	141,600	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	5,925	x 20.00 = \$	118,500	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 25,000 = \$	25,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 285,100

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	693	x 418.28 = \$	289,868	3
Class 2 Aggregate Base	CY	790	x 134.30 = \$	106,097	4
Slurry Seal	TN	31	x 2,700.00 = \$	83,700	5
Minor Concrete (Miscellaneous Construction)	CY	259	x 1,424.58 = \$	368,966	8
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 848,700

SECTION 3: DRAINAGE	Unit	650000	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x	= \$	-
Highway Planting	LS	1	x 50,000	= \$	50,000
Irrigation System	LS	1	x 20,000	= \$	20,000
Plant Establishment Work	LS	1	x 20,000	= \$	20,000
Implement Erosion Control	LS	1	x 20,000	= \$	20,000
Prepare and Implement SWPPP / WPCP	LS	1	x 15,000	= \$	15,000
TOTAL ENVIRONMENTAL					\$ 125,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 125,000	= \$	125,000 6
Signal and Lighting	LS	1	x 600,000	= \$	600,000 7
Ramp Metering System	LS		x	= \$	-
Interconnection Conduit and Cable	LS	1	x 100,000	= \$	100,000
Furnish and Install Sign Structure	LS		x	= \$	-
CIDH Pile (Sign Foundation)	LS		x	= \$	-
Remove Sign Structure	LS		x	= \$	-
Permanent Pavement Delineation	LS	1	x 75,000	= \$	75,000
TOTAL TRAFFIC ITEMS					\$ 900,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			10.0%	\$	215,880
Stage Construction and Traffic Handling			10.0%	\$	215,880
ADA Items				\$	-
Other Minor Items			5.0%	\$	107,940
Total of Section 1-6	\$	2,158,800	x 25.0%	= \$	539,700
TOTAL MINOR ITEMS					\$ 539,700

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	2,698,500	x 10%	= \$	269,850
TOTAL MOBILIZATION					\$ 269,900

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	2,968,400	x 30%	= \$	890,520
TOTAL CONTINGENCY					\$ 890,600

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	30%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF		x	=	\$	-	
Acquisition - Commercial Property	SF	2,000	x	250.00	=	\$ 500,000	
Acquisition of Offsite Mitigation	SF		x	=	\$	-	
Utility Relocation	LS		x	=	\$	-	
Railroad - TCE	LS		x	=	\$	-	
Railroad - Flaggers	LS		x	=	\$	-	
Clearance / Demolition	SF		x	=	\$	-	
Relocation Assistance	LS		x	=	\$	-	
Right of Way Contingency	LS	30%	x	500,000	=	\$ 150,000	
TOTAL RIGHT OF WAY ESTIMATE						\$ 650,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps

NOTES AND CALCULATIONS

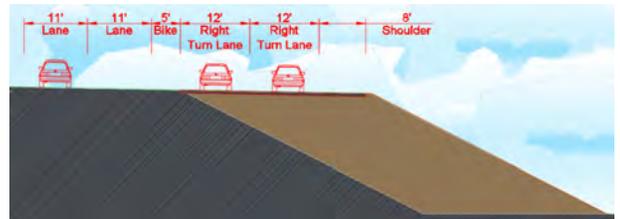
NOTE NO. 1

Roadway excavation			
New Pavement Area (CAD)	14,335	SF	
Depth of Excavation	1.67	FT	
Volume = area * depth	23,891	CF	
	885	CY	

RESULT NO. 1 885

NOTE NO. 2

Imported Borrow			
Borrow Cross Sectional Area	639.91	SF	
Estimated length (average)	250	FT	
Volume = area * depth	159,978	CF	
#####	5,925	CY	



RESULT NO. 2 5,925

NOTE NO. 3

AC pavement	10%		
New Pavement	15%		
Depth of AC	2%		
Depth of AC	16%		
Tonnage = area * depth * 145lbs/CF / 2000lbs/TN			
	693	TN	

RESULT NO. 3 693

NOTE NO. 4

AC pavement			
New Pavement Area (CAD)	14,335	SF	
Depth of Base	1.00	feet	
Class I Bike Path	14,000	SF	
Depth of Base	0.50	feet	
Volume = area * depth	21,335	CF	
	790	CY	

RESULT NO. 4 790

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 5

Slurry seal

Area (from CAD)

46933.88 SF

Tonnage = area / 1500SF/ton

31.3 ton

RESULT NO. 5

31

NOTE NO. 6

New street lights

4 each

Cost per street light

\$ 25,000

Total lights

\$ 100,000

Connection

\$ 25,000

RESULT NO. 6

\$ 125,000

NOTE NO. 7

Traffic signal

1 x \$600,000

New

RESULT NO. 7

\$ 600,000

NOTE NO. 8

Class I Bike Path

14,000 SF

Depth of Base

0.50 feet

Volume = area * depth

7,000 CF

259 CY

RESULT NO. 8

259

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

Description: • Construct two lane roundabout to reduce congestion.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection and each leg of 101 NB ramps and Fairview Avenue.

Estimate Type: Planning (Caltrans)

Estimate Date: 16-Jan-26

Working Days: 300

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 861,200	+	1
Pavement Structural Section	\$ 1,757,700	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 690,000	+	5
Traffic Items	\$ 525,000	+	6
Minor Items	\$ 797,300	+	7
Roadway Mobilization	\$ 499,400	+	8
Roadway Contingency	\$ 1,098,600	+	9
TOTAL ROADWAY COST	\$ 6,591,300	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 6,591,000	=	
TOTAL RIGHT OF WAY COST	\$ 2,500,000	=	11
Management Support	\$ 659,100	+	10%
PA&ED Support	\$ 659,100	+	10%
PS&E Support	\$ 988,700	+	15%
Right of Way Support	\$ 131,900	+	2%
Construction Support	\$ 1,054,600	+	16%
Support Contingency	\$ 698,700	+	20%
TOTAL SUPPORT COST	\$ 4,193,000	=	

	of Construction Costs
	of Support Costs

Total Estimated Project Costs: \$ 13,300,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	5,556	x 110.00 = \$	611,160	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 250,000 = \$	250,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 861,200

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	2,719	x 237.97 = \$	647,040	2
Class 2 Aggregate Base	CY	2,778	x 134.30 = \$	373,085	3
Slurry Seal	TN	21	x 3,507.95 = \$	73,667	4
Minor Concrete (Miscellaneous Construction)	CY	466	x 1,424.58 = \$	663,854	5,6,7,8
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,757,700

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	9
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	10
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 400,000 = \$	400,000	
Irrigation System	LS	1	x 125,000 = \$	125,000	
Plant Establishment Work	LS	1	x 65,000 = \$	65,000	
Implement Erosion Control	LS	1	x 50,000 = \$	50,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 50,000 = \$	50,000	
TOTAL ENVIRONMENTAL				\$ 690,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 445,000 = \$	445,000	11
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	
TOTAL TRAFFIC ITEMS				\$ 525,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0%	\$ 209,800
Stage Construction and Traffic Handling			6.0%	\$ 251,760
ADA Items			2.0%	\$ 83,920
Other Minor Items			6.0%	\$ 251,760
Total of Section 1-6	\$	4,196,000	x 19.0% = \$	797,240
TOTAL MINOR ITEMS				\$ 797,300

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	4,993,300	x 10% = \$	499,330
TOTAL MOBILIZATION				\$ 499,400

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	5,492,700	x 20% = \$	1,098,540
TOTAL CONTINGENCY				\$ 1,098,600

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF		x	=	\$	-	
Acquisition - Commercial Property	SF	5,000	x	250.00	=	\$ 1,250,000	
Acquisition of Offsite Mitigation	SF		x	=	\$	-	
Utility Relocation	LS		x	=	\$	-	
Railroad - TCE	LS		x	=	\$	-	
Railroad - Flaggers	LS		x	=	\$	-	
Clearance / Demolition	SF		x	=	\$	-	
Relocation Assistance	LS		x	=	\$	-	
Right of Way Contingency	LS	100%	x	1,250,000	=	\$ 1,250,000	
TOTAL RIGHT OF WAY ESTIMATE					\$	2,500,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)

50,000 SF

Depth of AC

0.75 feet

Depth of base

2.25 feet

Roadway excavation = width * length * depth

150,000 CF

5,556 CY

RESULT NO. 1

5,556

NOTE NO. 2

AC pavement area (from CAD)

50,000 SF

Depth of AC

0.75 feet

Roadway excavation = width * length * depth

37,500 CF * 145 pounds/CF / 2,000 pounds/ton

2,719 TN

RESULT NO. 2

2,719

NOTE NO. 3

Aggregate base area (from CAD)

50,000 SF

Depth of base

1.50 feet

Roadway excavation = width * length * depth

75,000 CF

2,778 CY

RESULT NO. 3

2,778

NOTE NO. 4

Approaches to project

Length along:

150 feet northerly Fairview

160 feet easterly off-ramp

100 feet southerly on-ramp

180 feet westerly Fairview

Width

65 feet northerly Fairview

32 feet easterly off-ramp

40 feet southerly on-ramp

72 feet westerly Fairview

Area

31,830 feet

Coverage rate

1,500 SF/TN

21 CY

RESULT NO. 4

21

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 5

New sidewalk length

225 feet	Fairview NW
100 feet	Fairview NE
420 feet	Fairview WN
100 feet	Fairview WS
845 feet	TOTAL

Sidewalk width

6 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

1690 CF
63 CY

Class I Path

400 feet	Fairview NW
400 feet	TOTAL

Sidewalk width (most of it is multi-use path)

14 feet

Sidewalk thickness

6 inches

Volume = Minor Concrete (Miscellaneous Construction)

2800 CF
104 CY

150 feet	RBT NW
150 feet	RBTNE
150 feet	RBT SE
150 feet	RBT SW
600 feet	TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

2000 CF
74 CY

TOTAL

240 CY

RESULT NO. 5

240

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 6

New Caltrans A2-6 curb and gutter length

240 feet	Fairview NW
115 feet	Fairview NE
450 feet	Calle Real NE
110 feet	Calle Real SE
110 feet	Fairview SE
120 feet	Fairview SW
225 feet	Calle Real SW
240 feet	Calle Real NW
1610 feet	TOTAL

Volume / foot

0.06 CY/foot

Volume = Minor Concrete (Miscellaneous Construction)

95 CY

RESULT NO. 6

95

NOTE NO. 7

Driveways and truck apron

3 each	
40 feet	length
120 feet	TOTAL

Driveway width

20 feet

Driveway area

2400 SF

Truck apron (CAD)

2000 SF

Concrete thickness

8 inches

Volume = Minor Concrete (Miscellaneous Construction)

2933 CF

109 CY

RESULT NO. 7

109

NOTE NO. 8

New Caltrans A1-6 curb length

315 feet	north splitter
378 feet	west splitter
160 feet	Center island
853 feet	TOTAL

Volume / foot

0.03 CY/foot

Volume = Minor Concrete (Miscellaneous Construction)

22 CY

RESULT NO. 8

22

NOTE NO. 9

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-03 Fairview Avenue at US 101 Northbound Ramps (Roundabout)

NOTES AND CALCULATIONS

New drop inlets - assumed one each side of the road on each leg

8 each

Depth of drop inlets

5 feet

Drop inlet volume - Caltrans OL-10

Volume / foot

2.39 CY (3 feet deep)

0.28 CY/each additional foot of depth up to 8 feet

Volume = Minor Concrete (Minor Structure)

24 CY

RESULT NO. 9

24

NOTE NO. 10

Estimated length of RCP

1,500 feet

RESULT NO. 10

1,500

NOTE NO. 11

New street lights

12 each

Cost per street light

\$ 35,000

Total lights

\$ 420,000

Connection

\$ 25,000

RESULT NO. 11

\$ 445,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-07 Hollister Avenue at Storke Road and Glen Annie Road

Description: • Widen Hollister Avenue to the north and install a new lane between Storke and Glenn Annie to allow a free right from Storke Road SB onto Hollister Avenue WB.

Scope: Demolition; pavement widening; concrete curb, gutter, sidewalk, etc.; pavement delineation; right of way.

Limits: North side of Hollister Avenue between Storke Road and Glen Annie Road.

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 50

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 228,000	+	1	
Pavement Structural Section	\$ 447,800	+	2	
Drainage	\$ 245,300	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 100,000	+	5	
Traffic Items	\$ 30,000	+	6	
Minor Items	\$ 126,200	+	7	
Roadway Mobilization	\$ 117,800	+	8	
Roadway Contingency	\$ 259,100	+	9	
TOTAL ROADWAY COST	\$ 1,554,200	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,554,000	=		
TOTAL RIGHT OF WAY COST	\$ 1,071,000	=	11	
Management Support	\$ 155,400	+	10%	of Construction Costs
PA&ED Support	\$ 155,400	+	10%	
PS&E Support	\$ 233,100	+	15%	
Right of Way Support	\$ 31,100	+	2%	
Construction Support	\$ 248,700	+	16%	
Support Contingency	\$ 164,800	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 989,000	=		

Total Estimated Project Costs: \$ 3,620,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-07 Hollister Avenue at Storke Road and Glen Annie Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	956	x 160.00 = \$	152,960	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 75,000 = \$	75,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 228,000

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	400	x 418.28 = \$	167,312	2
Class 2 Aggregate Base	CY	307	x 295.45 = \$	90,703	3
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	8
Minor Concrete (Miscellaneous Construction)	CY	142	x 1,212.77 = \$	172,213	4
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 447,800

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	7	x 2,900.00 = \$	20,300	5
Reinforced Concrete Pipe	LF	600	x 375.00 = \$	225,000	6
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 245,300

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-07 Hollister Avenue at Storke Road and Glen Annie Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 40,000 = \$	40,000	
Irrigation System	LS	1	x 15,000 = \$	15,000	
Plant Establishment Work	LS	1	x 10,000 = \$	10,000	
Implement Erosion Control	LS	1	x 15,000 = \$	15,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 100,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	
TOTAL TRAFFIC ITEMS				\$ 30,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			10.0%	\$ 105,110
Stage Construction and Traffic Handling				\$ -
ADA Items			2.0%	\$ 21,022
Other Minor Items				\$ -
Total of Section 1-6	\$	1,051,100	x 12.0%	= \$ 126,132
TOTAL MINOR ITEMS				\$ 126,200

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	1,177,300	x 10%	= \$ 117,730
TOTAL MOBILIZATION				\$ 117,800

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	1,295,100	x 20%	= \$ 259,020
TOTAL CONTINGENCY				\$ 259,100

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-07 Hollister Avenue at Storke Road and Glen Annie Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF		x	=	\$	-	
Acquisition - Commercial Property	SF	3,250	x	250.00	=	\$ 812,500	7
Acquisition of Offsite Mitigation	SF		x	=	\$	-	
Utility Relocation	LS	1	x	80,000.00	=	\$ 80,000	
Railroad - TCE	LS		x	=	\$	-	
Railroad - Flaggers	LS		x	=	\$	-	
Clearance / Demolition	SF		x	=	\$	-	
Relocation Assistance	LS		x	=	\$	-	
Right of Way Contingency	LS	20%	x	892,500	=	\$ 178,500	
TOTAL RIGHT OF WAY ESTIMATE					\$	1,071,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-07 Hollister Avenue at Storke Road and Glen Annie Road

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)

8280 SF Widening

7210 SF Sidewalks

Depth

1.67 feet

Volume = (Sum of Areas) * Depth

25817 CF

956 CY

RESULT NO. 1

956

NOTE NO. 2

AC Pavement area (from CAD)

8280 SF

Depth

0.67 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton

400 ton

RESULT NO. 2

400

NOTE NO. 3

Aggregate base area (from CAD)

8280 SF Widening

Depth

1.00 feet

Volume = (Sum of Areas) * Depth

8280 CF

307 CY

RESULT NO. 3

307

NOTE NO. 4

Minor concrete (miscellaneous construction)

Concrete Sidewalks

Sidewalk area (from CAD)

7210 SF

Depth

0.33 feet

Volume = Area * Depth

2403 CF

89 CY

Concrete Curb and Gutter Type A2-6 per Caltrans

Volume / foot

0.05903 CY/foot

Length

895 feet

Volume = length * volume / foot

53 CY

RESULT NO. 4

142

NOTE NO. 5

Minor concrete (minor structure)

5.71 CY for H=3' plus Per Caltrans Standard Plans OL21 Vol

0.278 CY/foot for each additional foot of height

7 CY

RESULT NO. 5

7

NOTE NO. 6

Reinforced concrete pipe

600 feet between Glen Annie and Storke

RESULT NO. 6

600

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-07 Hollister Avenue at Storke Road and Glen Annie Road

NOTES AND CALCULATIONS

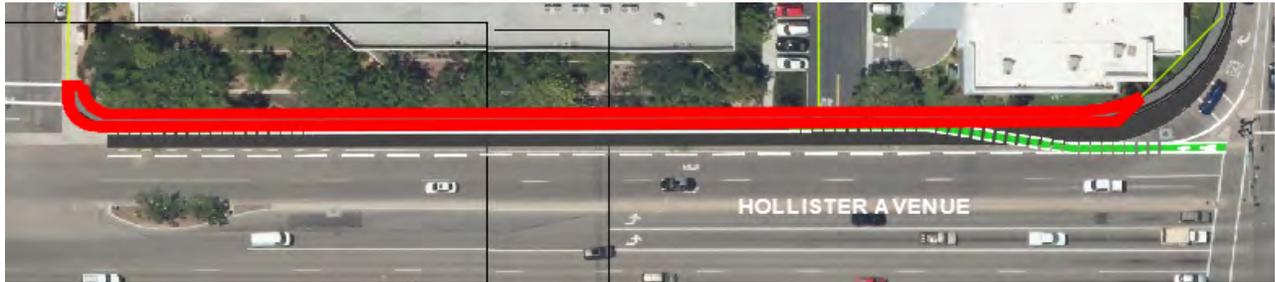
NOTE NO. 7

RoW acquisition

Area 3250 SF strip needed for widening

RESULT NO. 7

3250



NOTE NO. 8

Slurry seal area (CAD)

7820 feet

Coverage rate (Caltrans)

1500 SF/ton

Tonnage = area / coverage rate

5 TN

RESULT NO. 8

5

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

- Description:
- Add second left turn lane from Patterson Avenue SB to US 101 SB on-ramp.
 - Widen US 101 overcrossing on the east side to accommodate the new lane.
 - Widen US 101 SB on-ramp as necessary to accommodate three lanes.
 - Widen UPRR overhead to accommodate bike lane and SB double left turn lanes.
 - Construct pork chop island at the US 101 SB on-ramp.
 - Construct pedestrian/bike activated signal at the new pork chop island.
 - Widen US 101 SB on-ramp bridge at Atascadero Creek to accommodate new lane.
 - Widen shoulder of US 101 NB off ramp to accommodate three lanes.

Scope: Demolition; pavement widening; overcrossing and bridge widening; traffic signals; pavement delineation and slurry seal; railroad coordination.

Limits: Intersection, Patterson Avenue north and south and US 101 on-ramp.

Estimate Type: Planning (Caltrans)

Estimate Date: 15-Jan-26

Working Days: 300

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 1,953,100	+	1
Pavement Structural Section	\$ 599,000	+	2
Drainage	\$ -	+	3
Specialty Items	\$ 2,371,200	+	4
Environmental	\$ 105,000	+	5
Traffic Items	\$ 470,000	+	6
Minor Items	\$ 659,800	+	7
Roadway Mobilization	\$ 615,900	+	8
Roadway Contingency	\$ 2,032,200	+	9
TOTAL ROADWAY COST	\$ 8,806,200	=	
TOTAL STRUCTURES COST	\$ 16,713,800	+	10
TOTAL CONSTRUCTION COST	\$ 25,520,000	=	

TOTAL RIGHT OF WAY COST \$ 1,300,000 = 11

Management Support	\$ 2,552,000	+	10%
PA&ED Support	\$ 2,552,000	+	10%
PS&E Support	\$ 3,828,000	+	15%
Right of Way Support	\$ 510,400	+	2%
Construction Support	\$ 4,083,200	+	16%
Support Contingency	\$ 4,057,700	+	30%
TOTAL SUPPORT COST	\$ 17,584,000	=	

of Construction Costs
 of Support Costs

Total Estimated Project Costs: \$ 44,450,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	1,298	x 160.00 = \$	207,680	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	1,211	x 40.00 = \$	48,440	3
Structure Excavation (Retaining Wall)	CY	1,853	x 300.00 = \$	555,900	4
Structure Backfill (Retaining Wall)	CY	1,357	x 325.00 = \$	441,025	5
Clearing & Grubbing	LS	1	x 700,000 = \$	700,000	12
TOTAL EARTHWORK SECTION ITEMS					\$ 1,953,100

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	885	x 237.97 = \$	210,603	6
Class 2 Aggregate Base	CY	678	x 295.45 = \$	200,315	7
Slurry Seal	TN	40	x 2,700.00 = \$	108,000	8
Minor Concrete (Miscellaneous Construction)	CY	66	x 1,212.77 = \$	80,043	9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 599,000

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF	520	x 162.00 = \$	84,240	13
Remove Metal Beam Guard Railing	LF	1,350	x 14.73 = \$	19,886	14
Chain Link Fence	LF	850	x 60.00 = \$	51,000	15
Midwest Guardrail System (Wood Post)	LF	1,350	x 50.50 = \$	68,175	16
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF	520	x 325.82 = \$	169,426	17
Structural Concrete, Retaining Wall	CY	1,764	x 1,121.58 = \$	1,978,467	10
TOTAL SPECIALTY ITEMS					\$ 2,371,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 40,000 = \$	40,000	
Irrigation System	LS	1	x 15,000 = \$	15,000	
Plant Establishment Work	LS	1	x 10,000 = \$	10,000	
Implement Erosion Control	LS	1	x 15,000 = \$	15,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 25,000 = \$	25,000	
TOTAL ENVIRONMENTAL				\$ 105,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 350,000 = \$	350,000	11
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 20,000 = \$	20,000	
TOTAL TRAFFIC ITEMS				\$ 470,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			4.0%	\$ 219,932
Stage Construction and Traffic Handling			4.0%	\$ 219,932
ADA Items			1.0%	\$ 54,983
Other Minor Items			3.0%	\$ 164,949
Total of Section 1-6	\$	5,498,300	x 12.0%	= \$ 659,796
TOTAL MINOR ITEMS				\$ 659,800

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	6,158,100	x 10%	= \$ 615,810
TOTAL MOBILIZATION				\$ 615,900

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	6,774,000	x 30%	= \$ 2,032,200
TOTAL CONTINGENCY				\$ 2,032,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

SECTION 10: STRUCTURES ITEMS

Name / ID	Overcrossing Widening		Overhead Widening		Creek Widening	
Structure Type	CIP/PS Box		PC/PS I		RC Box	
Width (Feet) [out to out]	20	LF	25	LF	12	LF
Total Bridge Length	210	LF	140	LF	170	LF
Total Area (Square Feet)	4200	SQFT	3500	SQFT	2040	SQFT
Complexity	7		7		7	
Unusual Features	3		3		3	
Cost Per Square Foot	\$1,200		\$1,200		\$1,200	
COST OF EACH BRIDGE	\$	5,040,000	\$	4,200,000	\$	2,448,000

Name / ID	xxxxxxxxx		xxxxxxxxx		xxxxxxxxx	
Structure Type	--Select Bridge Type--		--Select Bridge Type--		--Select Bridge Type--	
Width (Feet) [out to out]	0	LF	0	LF	0	LF
Total Bridge Length	0	LF	0	LF	0	LF
Total Area (Square Feet)	0	SQFT	0	SQFT	0	SQFT
Complexity	5		5		5	
Unusual Features	0		0		0	
Cost Per Square Foot	\$0		\$0		\$0	
COST OF EACH BRIDGE	\$	-	\$	-	\$	-

TOTAL COST OF BRIDGES	\$	11,688,000
Structures Mobilization Percentage 10%	\$	1,168,800
Structures Contingency Percentage 30%	\$	3,857,040
TOTAL COST OF STRUCTURES	\$	16,713,800

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	1	x 500,000	= \$ 500,000	
Railroad - Flaggers	LS	1	x 500,000	= \$ 500,000	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	30%	x 1,000,000	= \$ 300,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 1,300,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)
 18300 SF Widening
 2730 SF Sidewalks

Depth
 1.67 feet

Volume = (Sum of Areas) * Depth
 35050 CF
 1298 CY

RESULT NO. 1

1298

NOTE NO. 2

Retaining Wall
 Image shows worst case.
 This case is carried out
 along entire wall length.

Total Wall Lengths

North of Overcrossing
 72 feet

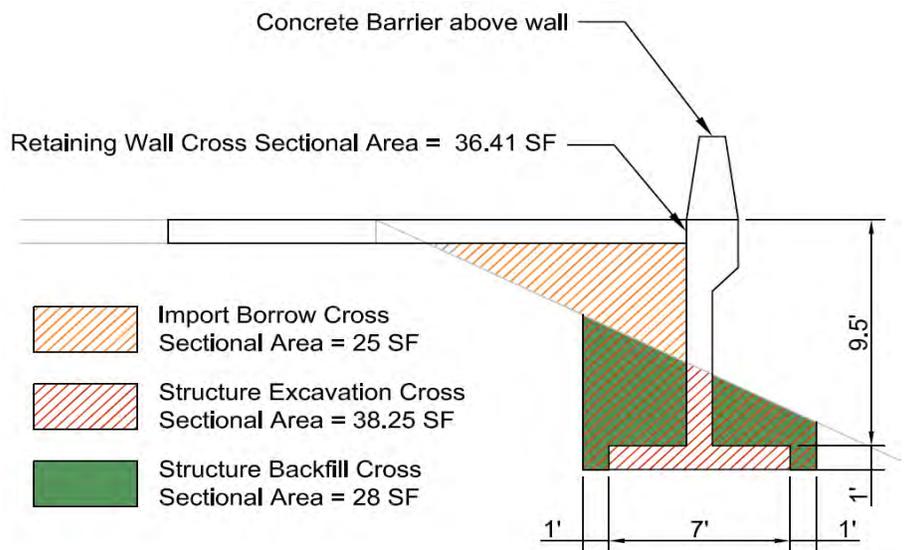
South of Overcrossing
 46 feet

South of Overhead
 238 feet

South of ramp
 844 feet

East of Creek
 109 feet

Total
 1308 feet



RESULT NO. 2

Information Only

NOTE NO. 3

Imported Borrow
 Area (from CAD)
 25 SF

Length
 1308 feet

Volume = Area * Length
 32703 CF
 1211 CY

RESULT NO. 3

1211

NOTE NO. 4

Structure Excavation
 Area (from CAD)
 38 SF

Length of Wall
 1308 feet

Volume = Area * Length
 50036 CF
 1853 CY

RESULT NO. 4

1853

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 5

Structure Backfill

Cross Sectional Area
 28 SF

Length of Wall
 1308 feet

Volume = Area * Length
 36627 CF
 1357 CY

RESULT NO. 5 **1357**

NOTE NO. 6

AC Pavement

Widening Area (from CAD)
 18300 SF

Depth
 0.67 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton
 885 ton

RESULT NO. 6 **885**

NOTE NO. 7

Aggregate base

Area (from CAD)
 18300 SF Widenings

Depth
 1.00 feet

Volume = (Sum of Areas) * Depth
 18300 CF
 678 CY

RESULT NO. 7 **678**

NOTE NO. 8

Slurry seal

	Ramp	Patterson
Length	1100 feet	600 feet
Width	30 feet	45 feet
Area	33000 SF	27000 SF
Tonnage = area / 1500SF/TN	22 TN	18 TN

RESULT NO. 8 **40**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 9

<u>Concrete Sidewalks</u> Sidewalks Plan Area (from CAD) 2730 SF Depth 0.33 feet Volume = Area * Depth 910 CF 34 CY	<u>Concrete Curb and Gutter Type A2-6 per Caltrans</u> Volume / foot 0.05903 CY/foot Length 110 feet North of Overcrossing 46 feet South of Overcrossing 257 feet South of Overhead 54 feet North of Overhead 75 feet Pork chop Island Volume = length * volume / foot 32 CY
--	--

RESULT NO. 9 **66**

NOTE NO. 10

Retaining Wall Cross Sectional Area (from CAD) 36 SF Length 1308 FT Volume = Area * Length 47629 CF 1764 CY	
---	--

RESULT NO. 10 **1764**

NOTE NO. 11

Traffic signal 1 x \$350,000 Modifications	
--	--

RESULT NO. 11 **\$ 350,000**

NOTE NO. 12

Clearing and grubbing 1 x \$200,000 General 1 x \$150,000 Overcrossing demolition 1 x \$200,000 Overhead demolition 1 x \$150,000 Bridge demolition	
---	--

RESULT NO. 12 **\$ 700,000**

NOTE NO. 13

Remove concrete barrier 140 LF Overhead 210 LF Overcrossing 170 LF Bridge	
---	--

RESULT NO. 13 **520**

NOTE NO. 14

Remove MGR 450 feet US 101 SB on-ramp 500 feet US 101 SB on-ramp 100 feet Bridge approach 300 feet Overhead approach	
--	--

RESULT NO. 14 **1350**

NOTE NO. 15

Chain link fence 850 LF	
----------------------------	--

RESULT NO. 15 **850**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-08 Patterson Avenue at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 16

Midwest Guardrail System (Wood Post)

450 feet	US 101 SB on-ramp
500 feet	US 101 SB on-ramp
100 feet	Bridge approach
300 feet	Overhead approach

RESULT NO. 16 **1350**

NOTE NO. 17

Concrete barrier

140 LF	Overhead
210 LF	Overcrossing
170 LF	Bridge

RESULT NO. 17 **520**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Cathedral Oaks Road, Hollister Avenue and US 101 NB Ramps

Estimate Type: Planning (City)

Estimate Date: 16-Jan-26

Working Days: 90

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 840,000	+	6	
Minor Items	\$ 168,000	+	7	
Roadway Mobilization	\$ 100,800	+	8	
Roadway Contingency	\$ 221,800	+	9	
TOTAL ROADWAY COST	\$ 1,330,600	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,331,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 133,100	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 133,100	+	10%	
PS&E Support	\$ 199,700	+	15%	
Right of Way Support	\$ 26,700	+	2%	
Construction Support	\$ 213,000	+	16%	
Support Contingency	\$ 141,200	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 847,000	=		

Total Estimated Project Costs: \$ 2,180,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS				\$	-
				Cost	
SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price		Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS				\$	-
SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS				\$	-
SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS				\$	-

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$	840,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	42,000
Stage Construction and Traffic Handling			5.0%	\$	42,000
ADA Items			5.0%	\$	42,000
Other Minor Items			5.0%	\$	42,000
Total of Section 1-6		\$	840,000	x 20.0%	= \$ 168,000
TOTAL MINOR ITEMS				\$	168,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	1,008,000	x 10%	= \$ 100,800
TOTAL MOBILIZATION				\$	100,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	1,108,800	x 20%	= \$ 221,760
TOTAL CONTINGENCY				\$	221,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 1 \$700,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$40,000

RESULT NO. 2 \$40,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

Description: New simple single-lane roundabout. Bike Path in NW quadrant.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection and each leg of Cathedral Oaks Road and Hollister Avenue at 101 NB ramps.

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 809,800	+	1	
Pavement Structural Section	\$ 1,297,100	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 567,000	+	7	
Roadway Mobilization	\$ 355,100	+	8	
Roadway Contingency	\$ 1,171,900	+	9	
TOTAL ROADWAY COST	\$ 5,078,000	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 5,078,000	=		
TOTAL RIGHT OF WAY COST	\$ 750,000	=	11	
Management Support	\$ 507,800	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 507,800	+	10%	
PS&E Support	\$ 761,700	+	15%	
Right of Way Support	\$ 101,600	+	2%	
Construction Support	\$ 812,500	+	16%	
Support Contingency	\$ 538,300	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 3,230,000	=		

Total Estimated Project Costs: \$ 9,100,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	4,028	x 110.00 = \$	443,080	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 809,800

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	584	x 1,424.58 = \$	831,955	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,297,100

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			5.0%	\$ 149,200	
Stage Construction and Traffic Handling			6.0%	\$ 179,040	
ADA Items			2.0%	\$ 59,680	
Other Minor Items			6.0%	\$ 179,040	
Total of Section 1-6	\$	2,984,000	x 19.0%	= \$ 566,960	
TOTAL MINOR ITEMS				\$ 567,000	

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	3,551,000	x 10%	= \$ 355,100
TOTAL MOBILIZATION				\$ 355,100

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	3,906,100	x 30%	= \$ 1,171,830
TOTAL CONTINGENCY				\$ 1,171,900

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x =	\$ -	
Acquisition - Commercial Property	SF	2,500	x 250.00 =	\$ 625,000	
Acquisition of Offsite Mitigation	SF		x =	\$ -	
Utility Relocation	LS		x =	\$ -	
Railroad - TCE	LS		x =	\$ -	
Railroad - Flaggers	LS		x =	\$ -	
Clearance / Demolition	SF		x =	\$ -	
Relocation Assistance	LS		x =	\$ -	
Right of Way Contingency	LS	20%	x 625,000 =	\$ 125,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 750,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250 CF

Other Grading
 463 CY

4,028 CY

RESULT NO. 2 4,028

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 741

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 1,640

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

300 feet

Bike Path on NW Cathedral Oaks

2000 feet

Approaches

2500 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

8333 CF

309 CY

RESULT NO. 7

309

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 (I4) New Intersection Control - Cathedral Oaks Rd / Hollister Av / 101 NB Ramps

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

12 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 480,000

Connection

\$ 25,000

RESULT NO. 12 \$ 505,000

NOTE NO. 13

Pavement delineation and marking

\$ 80,000

RESULT NO. 13 80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Cathedral Oaks Road and Los Carneros Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 60

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+		1
Pavement Structural Section	\$ -	+		2
Drainage	\$ -	+		3
Specialty Items	\$ -	+		4
Environmental	\$ -	+		5
Traffic Items	\$ 561,300	+		6
Minor Items	\$ 112,300	+		7
Roadway Mobilization	\$ 67,400	+		8
Roadway Contingency	\$ 148,200	+		9
TOTAL ROADWAY COST	\$ 889,200	=		
TOTAL STRUCTURES COST	\$ -	+		10
TOTAL CONSTRUCTION COST	\$ 889,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=		11
Management Support	\$ 88,900	+	10%	of Construction Costs
PA&ED Support	\$ 88,900	+	10%	
PS&E Support	\$ 133,400	+	15%	
Right of Way Support	\$ 17,800	+	2%	of Support Costs
Construction Support	\$ 142,300	+	16%	
Support Contingency	\$ 94,300	+	20%	
TOTAL SUPPORT COST	\$ 566,000	=		

Total Estimated Project Costs: \$ 1,460,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 431,250 = \$	431,250	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	2
TOTAL TRAFFIC ITEMS				\$	561,300

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			5.0%	\$ 28,065	
Stage Construction and Traffic Handling			5.0%	\$ 28,065	
ADA Items			5.0%	\$ 28,065	
Other Minor Items			5.0%	\$ 28,065	
Total of Section 1-6		\$	561,300 x	20.0% = \$ 112,260	
TOTAL MINOR ITEMS				\$	112,300

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	673,600 x	10% = \$ 67,360	
TOTAL MOBILIZATION				\$	67,400

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	741,000 x	20% = \$ 148,200	
TOTAL CONTINGENCY				\$	148,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	\$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Minor

Legs: 3

Cost: \$431,250

RESULT NO. 1

\$431,250

NOTE NO. 2

Permanent Pavement Delineation

Cost \$30,000

RESULT NO. 2

\$30,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Calle Real and Carlo Drive

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 769,400	+	1	
Pavement Structural Section	\$ 889,000	+	2	
Drainage	\$ 344,700	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 310,000	+	6	
Minor Items	\$ 474,700	+	7	
Roadway Mobilization	\$ 297,300	+	8	
Roadway Contingency	\$ 981,100	+	9	
TOTAL ROADWAY COST	\$ 4,251,200	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,251,000	=		
TOTAL RIGHT OF WAY COST	\$ 1,500,000	=	11	
Management Support	\$ 425,100	+	10%	of Construction Costs
PA&ED Support	\$ 425,100	+	10%	
PS&E Support	\$ 637,700	+	15%	
Right of Way Support	\$ 85,100	+	2%	
Construction Support	\$ 680,200	+	16%	
Support Contingency	\$ 450,700	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 2,704,000	=		

Total Estimated Project Costs: \$ 8,500,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	2,674	x 160.00 = \$	427,840	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	1,037	x 40.00 = \$	41,480	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 769,400

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,278	x 237.97 = \$	304,126	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	358	x 1,424.58 = \$	510,000	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 889,000

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	18	x 2,900.00 = \$	52,200	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 344,700

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x	= \$ -	
Highway Planting	LS	1	x 100,000	= \$ 100,000	
Irrigation System	LS	1	x 25,000	= \$ 25,000	
Plant Establishment Work	LS	1	x 20,000	= \$ 20,000	
Implement Erosion Control	LS	1	x 20,000	= \$ 20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000	= \$ 20,000	
TOTAL ENVIRONMENTAL					\$ 185,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000	= \$ 250,000	12
Signal and Lighting	LS		x	= \$ -	
Ramp Metering System	LS		x	= \$ -	
Interconnection Conduit and Cable	LS		x	= \$ -	
Furnish and Install Sign Structure	LS		x	= \$ -	
CIDH Pile (Sign Foundation)	LS		x	= \$ -	
Remove Sign Structure	LS		x	= \$ -	
Permanent Pavement Delineation	LS	1	x 60,000	= \$ 60,000	13
TOTAL TRAFFIC ITEMS					\$ 310,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours				5.0%	\$ 124,905
Stage Construction and Traffic Handling				6.0%	\$ 149,886
ADA Items				2.0%	\$ 49,962
Other Minor Items				6.0%	\$ 149,886
Total of Section 1-6	\$	2,498,100	x	19.0%	= \$ 474,639
TOTAL MINOR ITEMS					\$ 474,700

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	2,972,800	x	10%	= \$ 297,280
TOTAL MOBILIZATION					\$ 297,300

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,270,100	x	30%	= \$ 981,030
TOTAL CONTINGENCY					\$ 981,100

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	5,000	x 250.00	= \$ 1,250,000	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 1,250,000	= \$ 250,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 1,500,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 3 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 26,250
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 72,188
 2,674

RESULT NO. 2 **2,674**

NOTE NO. 3

Import for landscape areas
 14,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 28,000 CF
 1,037 CY

RESULT NO. 3 **1,037**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 30,000
 Depth of AC
 0.50
 Volume = width * length * depth
 15,000 CF

Total
 17,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,278 TN

RESULT NO. 4 **1,278**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

30,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

30,000 CF

35,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

150 feet At roundabout

750 feet Approaches

900 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

3000 CF

111 CY

RESULT NO. 7

111

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1200 feet Approaches
 1200 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 31 CY

New Caltrans A2-6 curb and gutter length
 400 feet At roundabout
 1500 feet Approaches
 1900 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 112 CY

RESULT NO. 8 **143**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 6 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 18 CY

RESULT NO. 10 **18**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-02 New Intersection Control - Calle Real / Carlo Drive

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

8 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 360,000

Connection

\$ 25,000

RESULT NO. 12 \$ 385,000

NOTE NO. 13

Pavement delineation and marking

\$ 60,000

RESULT NO. 13 60,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Calle Real and N La Patera Lane

Estimate Type: Planning (City)

Estimate Date: 16-Jan-26

Working Days: 60

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 561,300	+	6	
Minor Items	\$ 112,300	+	7	
Roadway Mobilization	\$ 67,400	+	8	
Roadway Contingency	\$ 148,200	+	9	
TOTAL ROADWAY COST	\$ 889,200	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 889,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 88,900	+	10%	of Construction Costs
PA&ED Support	\$ 88,900	+	10%	
PS&E Support	\$ 133,400	+	15%	
Right of Way Support	\$ 17,800	+	2%	
Construction Support	\$ 142,300	+	16%	
Support Contingency	\$ 94,300	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 566,000	=		

Total Estimated Project Costs: \$ 1,460,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 431,250 = \$	431,250	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	2
TOTAL TRAFFIC ITEMS				\$	561,300

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0%	\$ 28,065
Stage Construction and Traffic Handling			5.0%	\$ 28,065
ADA Items			5.0%	\$ 28,065
Other Minor Items			5.0%	\$ 28,065
Total of Section 1-6		\$ 561,300	x 20.0%	= \$ 112,260
TOTAL MINOR ITEMS				\$ 112,300

SECTIONS 8: MOBILIZATION				
Total Section 1-7		\$ 673,600	x 10%	= \$ 67,360
TOTAL MOBILIZATION				\$ 67,400

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8		\$ 741,000	x 20%	= \$ 148,200
TOTAL CONTINGENCY				\$ 148,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Minor

Legs: 3

Cost: \$431,250

RESULT NO. 1

\$431,250

NOTE NO. 2

Permanent Pavement Delineation

Cost \$30,000

RESULT NO. 2

\$30,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Calle Real and N La Patera Lane

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 769,400	+	1	
Pavement Structural Section	\$ 1,038,600	+	2	
Drainage	\$ 344,700	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 310,000	+	6	
Minor Items	\$ 503,100	+	7	
Roadway Mobilization	\$ 315,100	+	8	
Roadway Contingency	\$ 1,039,800	+	9	
TOTAL ROADWAY COST	\$ 4,505,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,506,000	=		
TOTAL RIGHT OF WAY COST	\$ 1,125,000	=	11	
Management Support	\$ 450,600	+	10%	of Construction Costs
PA&ED Support	\$ 450,600	+	10%	
PS&E Support	\$ 675,900	+	15%	
Right of Way Support	\$ 90,200	+	2%	
Construction Support	\$ 721,000	+	16%	
Support Contingency	\$ 477,700	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 2,866,000	=		

Total Estimated Project Costs: \$ 8,500,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	2,674	x 160.00 = \$	427,840	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	1,037	x 40.00 = \$	41,480	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 769,400

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,278	x 237.97 = \$	304,126	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	463	x 1,424.58 = \$	659,581	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,038,600

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	18	x 2,900.00 = \$	52,200	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 344,700

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 60,000 = \$	60,000	13
TOTAL TRAFFIC ITEMS				\$ 310,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	132,385
Stage Construction and Traffic Handling			6.0%	\$	158,862
ADA Items			2.0%	\$	52,954
Other Minor Items			6.0%	\$	158,862
Total of Section 1-6	\$	2,647,700	x 19.0%	= \$	503,063
TOTAL MINOR ITEMS				\$ 503,100	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	3,150,800	x 10%	= \$	315,080
TOTAL MOBILIZATION				\$ 315,100	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,465,900	x 30%	= \$	1,039,770
TOTAL CONTINGENCY				\$ 1,039,800	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x = \$	-	
Acquisition - Commercial Property	SF	3,750	x 250.00 = \$	937,500	
Acquisition of Offsite Mitigation	SF		x = \$	-	
Utility Relocation	LS		x = \$	-	
Railroad - TCE	LS		x = \$	-	
Railroad - Flaggers	LS		x = \$	-	
Clearance / Demolition	SF		x = \$	-	
Relocation Assistance	LS		x = \$	-	
Right of Way Contingency	LS	20%	x 937,500 = \$	187,500	
TOTAL RIGHT OF WAY ESTIMATE				\$ 1,125,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 3 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 26,250
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 72,188
 2,674

RESULT NO. 2 **2,674**

NOTE NO. 3

Import for landscape areas
 14,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 28,000 CF
 1,037 CY

RESULT NO. 3 **1,037**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 30,000
 Depth of AC
 0.50
 Volume = width * length * depth
 15,000 CF

Total
 17,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,278 TN

RESULT NO. 4 **1,278**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

30,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

30,000 CF

35,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

250 feet At roundabout

1500 feet Approaches

1750 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

5833 CF

216 CY

RESULT NO. 7

216

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1200 feet Approaches
 1200 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 31 CY
 New Caltrans A2-6 curb and gutter length
 400 feet At roundabout
 1500 feet Approaches
 1900 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 112 CY

RESULT NO. 8 **143**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 6 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 18 CY

RESULT NO. 10 **18**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-03 (R4) New Intersection Control - Calle Real / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

9 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 390,000

Connection

\$ 25,000

RESULT NO. 12 \$ 415,000

NOTE NO. 13

Pavement delineation and marking

\$ 60,000

RESULT NO. 13 60,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Cathedral Oaks Road and Los Carneros Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 60

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 561,300	+	6	
Minor Items	\$ 112,300	+	7	
Roadway Mobilization	\$ 67,400	+	8	
Roadway Contingency	\$ 148,200	+	9	
TOTAL ROADWAY COST	\$ 889,200	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 889,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 88,900	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 88,900	+	10%	
PS&E Support	\$ 133,400	+	15%	
Right of Way Support	\$ 17,800	+	2%	
Construction Support	\$ 142,300	+	16%	
Support Contingency	\$ 94,300	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 566,000	=		

Total Estimated Project Costs: \$ 1,460,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 431,250 = \$	431,250	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	2
TOTAL TRAFFIC ITEMS				\$	561,300

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	28,065
Stage Construction and Traffic Handling			5.0%	\$	28,065
ADA Items			5.0%	\$	28,065
Other Minor Items			5.0%	\$	28,065
Total of Section 1-6		\$	561,300	x 20.0%	= \$ 112,260
TOTAL MINOR ITEMS				\$	112,300

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	673,600	x 10%	= \$ 67,360
TOTAL MOBILIZATION				\$	67,400

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	741,000	x 20%	= \$ 148,200
TOTAL CONTINGENCY				\$	148,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Minor

Legs: 3

Cost: \$431,250

RESULT NO. 1

\$431,250

NOTE NO. 2

Permanent Pavement Delineation

Cost \$30,000

RESULT NO. 2

\$30,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Cathedral Oaks Road and Los Carneros Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 758,900	+	1
Pavement Structural Section	\$ 1,200,300	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 185,000	+	5
Traffic Items	\$ 330,000	+	6
Minor Items	\$ 538,900	+	7
Roadway Mobilization	\$ 337,600	+	8
Roadway Contingency	\$ 1,113,900	+	9
TOTAL ROADWAY COST	\$ 4,826,700	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 4,827,000	=	

TOTAL RIGHT OF WAY COST \$ **3,750,000** = 11

Management Support	\$ 482,700	+	10%
PA&ED Support	\$ 482,700	+	10%
PS&E Support	\$ 724,100	+	15%
Right of Way Support	\$ 96,600	+	2%
Construction Support	\$ 772,400	+	16%
Support Contingency	\$ 511,700	+	20%
TOTAL SUPPORT COST	\$ 3,071,000	=	

	of Construction Costs
	of Support Costs

Total Estimated Project Costs: \$ 11,650,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	516	x 1,424.58 = \$	735,083	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,200,300

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			5.0%	\$ 141,815	
Stage Construction and Traffic Handling			6.0%	\$ 170,178	
ADA Items			2.0%	\$ 56,726	
Other Minor Items			6.0%	\$ 170,178	
Total of Section 1-6	\$	2,836,300	x 19.0%	= \$ 538,897	
TOTAL MINOR ITEMS				\$ 538,900	

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	3,375,200	x 10%	= \$ 337,520
TOTAL MOBILIZATION				\$ 337,600

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	3,712,800	x 30%	= \$ 1,113,840
TOTAL CONTINGENCY				\$ 1,113,900

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	12,500	x 250.00 =	\$ 3,125,000	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 3,125,000 =	\$ 625,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 3,750,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet At roundabout

1750 feet Approaches

1950 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

6500 CF

241 CY

RESULT NO. 7

241

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-05 New Intersection Control - Cathedral Oaks Road / Los Carneros Road

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

12 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 480,000

Connection

\$ 25,000

RESULT NO. 12 \$ 505,000

NOTE NO. 13

Pavement delineation and marking

\$ 80,000

RESULT NO. 13 80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Cathedral Oaks Road and N La Patera Lane

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 60

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 715,000	+	6	
Minor Items	\$ 143,000	+	7	
Roadway Mobilization	\$ 85,800	+	8	
Roadway Contingency	\$ 188,800	+	9	
TOTAL ROADWAY COST	\$ 1,132,600	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,133,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 113,300	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 113,300	+	10%	
PS&E Support	\$ 170,000	+	15%	
Right of Way Support	\$ 22,700	+	2%	
Construction Support	\$ 181,300	+	16%	
Support Contingency	\$ 120,200	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 721,000	=		

Total Estimated Project Costs: \$ 1,860,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 575,000 = \$	575,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$	715,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	35,750
Stage Construction and Traffic Handling			5.0%	\$	35,750
ADA Items			5.0%	\$	35,750
Other Minor Items			5.0%	\$	35,750
Total of Section 1-6		\$	715,000	x 20.0%	= \$ 143,000
TOTAL MINOR ITEMS				\$	143,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	858,000	x 10%	= \$ 85,800
TOTAL MOBILIZATION				\$	85,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	943,800	x 20%	= \$ 188,760
TOTAL CONTINGENCY				\$	188,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Minor

Legs: 4

Cost: \$575,000

RESULT NO. 1 \$575,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$40,000

RESULT NO. 2 \$40,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Cathedral Oaks Road and N La Patera Lane

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 758,900	+	1	
Pavement Structural Section	\$ 1,244,400	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 547,300	+	7	
Roadway Mobilization	\$ 342,800	+	8	
Roadway Contingency	\$ 1,131,200	+	9	
TOTAL ROADWAY COST	\$ 4,901,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,902,000	=		
TOTAL RIGHT OF WAY COST	\$ 4,500,000	=	11	
Management Support	\$ 490,200	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Support Costs</div>
TOTAL SUPPORT COST	\$ 3,118,000	=		

Total Estimated Project Costs: \$ 12,550,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			5.0%	\$ 144,020	
Stage Construction and Traffic Handling			6.0%	\$ 172,824	
ADA Items			2.0%	\$ 57,608	
Other Minor Items			6.0%	\$ 172,824	
Total of Section 1-6	\$	2,880,400	x 19.0%	= \$ 547,276	
TOTAL MINOR ITEMS				\$ 547,300	

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	3,427,700	x 10%	= \$ 342,770
TOTAL MOBILIZATION				\$ 342,800

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	3,770,500	x 30%	= \$ 1,131,150
TOTAL CONTINGENCY				\$ 1,131,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF		x	=	\$	-	
Acquisition - Commercial Property	SF	15,000	x	250.00	=	\$ 3,750,000	
Acquisition of Offsite Mitigation	SF		x	=	\$	-	
Utility Relocation	LS		x	=	\$	-	
Railroad - TCE	LS		x	=	\$	-	
Railroad - Flaggers	LS		x	=	\$	-	
Clearance / Demolition	SF		x	=	\$	-	
Relocation Assistance	LS		x	=	\$	-	
Right of Way Contingency	LS	20%	x	3,750,000	=	\$ 750,000	
TOTAL RIGHT OF WAY ESTIMATE						\$ 4,500,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

2000 feet

Approaches

2200 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-06 New Intersection Control - Cathedral Oaks Road / N La Patera Lane

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

12 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 480,000

Connection

\$ 25,000

RESULT NO. 12 \$ 505,000

NOTE NO. 13

Pavement delineation and marking

\$ 80,000

RESULT NO. 13 80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Fairview Avenue and Stow Canyon Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 60

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 840,000	+	6	
Minor Items	\$ 168,000	+	7	
Roadway Mobilization	\$ 100,800	+	8	
Roadway Contingency	\$ 221,800	+	9	
TOTAL ROADWAY COST	\$ 1,330,600	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,331,000	=		
 TOTAL RIGHT OF WAY COST	 \$ -	 =	 11	
Management Support	\$ 133,100	+	10%	of Construction Costs
PA&ED Support	\$ 133,100	+	10%	
PS&E Support	\$ 199,700	+	15%	
Right of Way Support	\$ 26,700	+	2%	
Construction Support	\$ 213,000	+	16%	
Support Contingency	\$ 141,200	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 847,000	=		

Total Estimated Project Costs: \$ 2,180,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$	840,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	42,000
Stage Construction and Traffic Handling			5.0%	\$	42,000
ADA Items			5.0%	\$	42,000
Other Minor Items			5.0%	\$	42,000
Total of Section 1-6		\$	840,000	x 20.0%	= \$ 168,000
TOTAL MINOR ITEMS				\$	168,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	1,008,000	x 10%	= \$ 100,800
TOTAL MOBILIZATION				\$	100,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	1,108,800	x 20%	= \$ 221,760
TOTAL CONTINGENCY				\$	221,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 1 \$700,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$40,000

RESULT NO. 2 \$40,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Fairview Avenue and Stow Canyon Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 758,900	+	1
Pavement Structural Section	\$ 1,321,400	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 185,000	+	5
Traffic Items	\$ 330,000	+	6
Minor Items	\$ 562,000	+	7
Roadway Mobilization	\$ 352,000	+	8
Roadway Contingency	\$ 1,161,500	+	9
TOTAL ROADWAY COST	\$ 5,032,900	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 5,033,000	=	

TOTAL RIGHT OF WAY COST \$ **3,600,000** = 11

Management Support	\$ 503,300	+	10%
PA&ED Support	\$ 503,300	+	10%
PS&E Support	\$ 755,000	+	15%
Right of Way Support	\$ 100,700	+	2%
Construction Support	\$ 805,300	+	16%
Support Contingency	\$ 533,600	+	20%
TOTAL SUPPORT COST	\$ 3,202,000	=	

	of Construction Costs
	of Support Costs

Total Estimated Project Costs: \$ 11,850,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	601	x 1,424.58 = \$	856,173	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,321,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x	= \$ -	
Highway Planting	LS	1	x 100,000	= \$ 100,000	
Irrigation System	LS	1	x 25,000	= \$ 25,000	
Plant Establishment Work	LS	1	x 20,000	= \$ 20,000	
Implement Erosion Control	LS	1	x 20,000	= \$ 20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000	= \$ 20,000	
TOTAL ENVIRONMENTAL					\$ 185,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000	= \$ 250,000	12
Signal and Lighting	LS		x	= \$ -	
Ramp Metering System	LS		x	= \$ -	
Interconnection Conduit and Cable	LS		x	= \$ -	
Furnish and Install Sign Structure	LS		x	= \$ -	
CIDH Pile (Sign Foundation)	LS		x	= \$ -	
Remove Sign Structure	LS		x	= \$ -	
Permanent Pavement Delineation	LS	1	x 80,000	= \$ 80,000	13
TOTAL TRAFFIC ITEMS					\$ 330,000

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0%	\$ 147,870
Stage Construction and Traffic Handling			6.0%	\$ 177,444
ADA Items			2.0%	\$ 59,148
Other Minor Items			6.0%	\$ 177,444
Total of Section 1-6		\$ 2,957,400	x 19.0%	= \$ 561,906
TOTAL MINOR ITEMS				\$ 562,000

SECTIONS 8: MOBILIZATION				
Total Section 1-7		\$ 3,519,400	x 10%	= \$ 351,940
TOTAL MOBILIZATION				\$ 352,000

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8		\$ 3,871,400	x 30%	= \$ 1,161,420
TOTAL CONTINGENCY				\$ 1,161,500

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x =	\$ -	
Acquisition - Commercial Property	SF	12,000	x 250.00 =	\$ 3,000,000	
Acquisition of Offsite Mitigation	SF		x =	\$ -	
Utility Relocation	LS		x =	\$ -	
Railroad - TCE	LS		x =	\$ -	
Railroad - Flaggers	LS		x =	\$ -	
Clearance / Demolition	SF		x =	\$ -	
Relocation Assistance	LS		x =	\$ -	
Right of Way Contingency	LS	20%	x 3,000,000 =	\$ 600,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 3,600,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet At roundabout

1600 feet Approaches

1800 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

6000 CF

222 CY

Bike path

400 feet Approaches

400 feet TOTAL

Sidewalk width (most of it is multi-use path)

14 feet

Sidewalk thickness

6 inches

Volume = Minor Concrete (Miscellaneous Construction)

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

NOTES AND CALCULATIONS

2800 CF
 104 CY

326 CY

RESULT NO. 7

326

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands

1600 feet Approaches
 1600 feet TOTAL

Volume / foot
 0.03 CY/foot

Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length

200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL

Volume / foot
 0.06 CY/foot

Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8

171

NOTE NO. 9

Truck apron and misc

Truck apron (CAD)
 2500 SF

Concrete thickness
 9 inches

Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF

50% Additional for misc

2813 CF
 104 CY

RESULT NO. 9

104

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg

8 each

Depth of drop inlets

5 feet

Drop inlet volume - Caltrans OL-10

Volume / foot

2.39 CY (3 feet deep)

0.28 CY/each additional foot of depth up to 8 feet

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-07 New Intersection Control - Fairview Avenue / Stow Canyon Road

NOTES AND CALCULATIONS

Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

NOTE NO. 12

New street lights
 12 each
 Cost per street light
 \$ 30,000
 Landscape lights
 12 each
 Cost per street light
 \$ 10,000
 Total lights
 \$ 480,000
 Connection
 \$ 25,000

RESULT NO. 12 **\$ 505,000**

NOTE NO. 13

Pavement delineation and marking
 \$ 80,000

RESULT NO. 13 **80,000**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Fairview Avenue and Berkeley Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 90

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+		1
Pavement Structural Section	\$ -	+		2
Drainage	\$ -	+		3
Specialty Items	\$ -	+		4
Environmental	\$ -	+		5
Traffic Items	\$ 840,000	+		6
Minor Items	\$ 168,000	+		7
Roadway Mobilization	\$ 100,800	+		8
Roadway Contingency	\$ 221,800	+		9
TOTAL ROADWAY COST	\$ 1,330,600	=		
TOTAL STRUCTURES COST	\$ -	+		10
TOTAL CONSTRUCTION COST	\$ 1,331,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=		11
Management Support	\$ 133,100	+	10%	of Construction Costs
PA&ED Support	\$ 133,100	+	10%	
PS&E Support	\$ 199,700	+	15%	
Right of Way Support	\$ 26,700	+	2%	
Construction Support	\$ 213,000	+	16%	
Support Contingency	\$ 141,200	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 847,000	=		

Total Estimated Project Costs: \$ 2,180,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$	840,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	42,000
Stage Construction and Traffic Handling			5.0%	\$	42,000
ADA Items			5.0%	\$	42,000
Other Minor Items			5.0%	\$	42,000
Total of Section 1-6		\$	840,000	x 20.0%	= \$ 168,000
TOTAL MINOR ITEMS				\$	168,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	1,008,000	x 10%	= \$ 100,800
TOTAL MOBILIZATION				\$	100,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	1,108,800	x 20%	= \$ 221,760
TOTAL CONTINGENCY				\$	221,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	\$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 1

\$700,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$40,000

RESULT NO. 2

\$40,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Fairview Avenue and Berkeley Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 758,900	+	1	
Pavement Structural Section	\$ 1,244,400	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 547,300	+	7	
Roadway Mobilization	\$ 342,800	+	8	
Roadway Contingency	\$ 1,131,200	+	9	
TOTAL ROADWAY COST	\$ 4,901,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,902,000	=		
TOTAL RIGHT OF WAY COST	\$ 8,880,000	=	11	
Management Support	\$ 490,200	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	
TOTAL SUPPORT COST	\$ 3,118,000	=		of Support Costs

Total Estimated Project Costs: \$ 16,900,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	144,020
Stage Construction and Traffic Handling			6.0%	\$	172,824
ADA Items			2.0%	\$	57,608
Other Minor Items			6.0%	\$	172,824
Total of Section 1-6	\$	2,880,400	x 19.0%	= \$	547,276
TOTAL MINOR ITEMS				\$ 547,300	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	3,427,700	x 10%	= \$	342,770
TOTAL MOBILIZATION				\$ 342,800	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,770,500	x 30%	= \$	1,131,150
TOTAL CONTINGENCY				\$ 1,131,200	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	Cost	Notes
Acquisition - Residential Property	SF	6,000	x 150.00	=	\$ 900,000	
Acquisition - Commercial Property	SF		x	=	\$ -	
Acquisition of Offsite Mitigation	SF		x	=	\$ -	
Utility Relocation	LS		x	=	\$ -	
Railroad - TCE	LS		x	=	\$ -	
Railroad - Flaggers	LS		x	=	\$ -	
Clearance / Demolition	SF	5,000	x 1,250.00	=	\$ 6,250,000	
Relocation Assistance	LS	1	x 250,000	=	\$ 250,000	
Right of Way Contingency	LS	20%	x 7,400,000	=	\$ 1,480,000	
TOTAL RIGHT OF WAY ESTIMATE					\$ 8,880,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

2000 feet

Approaches

2200 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-08 New Intersection Control - Fairview Avenue / Berkeley Road

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights		
12 each		
Cost per street light		
\$ 30,000		
Landscape lights		
12 each		
Cost per street light		
\$ 10,000		
Total lights		
\$ 480,000		
Connection		
\$ 25,000	RESULT NO. 12	\$ 505,000

NOTE NO. 13

Pavement delineation and marking		
\$ 80,000	RESULT NO. 13	80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-10 New Intersection Control - Hollister Avenue / Cannon Green Drive

Description: New traffic signal and median island modifications.

Scope: New traffic signal and median island modifications.

Limits: Intersection of Hollister Avenue and Cannon Green Drive

Estimate Type: Planning (City)

Estimate Date: 16-Jan-26

Working Days: 120

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 85,900	+	1	
Pavement Structural Section	\$ 38,900	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 115,000	+	5	
Traffic Items	\$ 665,000	+	6	
Minor Items	\$ 181,000	+	7	
Roadway Mobilization	\$ 108,600	+	8	
Roadway Contingency	\$ 238,900	+	9	
TOTAL ROADWAY COST	\$ 1,433,300	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,433,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 143,300	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 143,300	+	10%	
PS&E Support	\$ 215,000	+	15%	
Right of Way Support	\$ 28,700	+	2%	
Construction Support	\$ 229,300	+	16%	
Support Contingency	\$ 152,000	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Support Costs</div>
TOTAL SUPPORT COST	\$ 912,000	=		

Total Estimated Project Costs: \$ 2,350,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-10 New Intersection Control - Hollister Avenue / Cannon Green Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	375	x 228.81 = \$	85,804	3
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS		x = \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ 85,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN		x = \$	-	
Class 2 Aggregate Base	CY		x = \$	-	
Slurry Seal	TN		x = \$	-	
Minor Concrete (Miscellaneous Construction)	CY	32	x 1,212.77 = \$	38,809	4
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 38,900

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-10 New Intersection Control - Hollister Avenue / Cannon Green Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 50,000 = \$	50,000	
Irrigation System	LS	1	x 20,000 = \$	20,000	
Plant Establishment Work	LS	1	x 25,000 = \$	25,000	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 115,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 525,000 = \$	525,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$ 665,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$ 45,240	
Stage Construction and Traffic Handling			5.0%	\$ 45,240	
ADA Items			5.0%	\$ 45,240	
Other Minor Items			5.0%	\$ 45,240	
Total of Section 1-6		\$ 904,800	x 20.0%	= \$ 180,960	
TOTAL MINOR ITEMS				\$ 181,000	

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$ 1,085,800	x 10%	= \$ 108,580	
TOTAL MOBILIZATION				\$ 108,600	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$ 1,194,400	x 20%	= \$ 238,880	
TOTAL CONTINGENCY				\$ 238,900	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-10 New Intersection Control - Hollister Avenue / Cannon Green Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-10 New Intersection Control - Hollister Avenue / Cannon Green Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 3

Cost: \$525,000

RESULT NO. 1 \$525,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$30,000

RESULT NO. 2 \$30,000

NOTE NO. 3

Roadway excavation

Area from CAD

4500 SF

Depth

2.25 FT

Volume

10125 CF

375 CY

RESULT NO. 3 375

NOTE NO. 3

A1-6 Curb

Length

1005 LF

Vol per foot

0.02585 CY/LF

Volume

26 CY/LF

Island paving

Area

500 SF

Depth

4 IN

Volume

167 CF

6 CY

TOTAL 32 CY

RESULT NO. 4 32

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Hollister Avenue and Pebble Beach Drive

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 90

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+		1
Pavement Structural Section	\$ -	+		2
Drainage	\$ -	+		3
Specialty Items	\$ -	+		4
Environmental	\$ -	+		5
Traffic Items	\$ 840,000	+		6
Minor Items	\$ 168,000	+		7
Roadway Mobilization	\$ 100,800	+		8
Roadway Contingency	\$ 221,800	+		9
TOTAL ROADWAY COST	\$ 1,330,600	=		
TOTAL STRUCTURES COST	\$ -	+		10
TOTAL CONSTRUCTION COST	\$ 1,331,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=		11
Management Support	\$ 133,100	+	10%	of Construction Costs
PA&ED Support	\$ 133,100	+	10%	
PS&E Support	\$ 199,700	+	15%	
Right of Way Support	\$ 26,700	+	2%	
Construction Support	\$ 213,000	+	16%	of Support Costs
Support Contingency	\$ 141,200	+	20%	
TOTAL SUPPORT COST	\$ 847,000	=		

Total Estimated Project Costs: \$ 2,180,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$	840,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	42,000
Stage Construction and Traffic Handling			5.0%	\$	42,000
ADA Items			5.0%	\$	42,000
Other Minor Items			5.0%	\$	42,000
Total of Section 1-6		\$	840,000	x 20.0% = \$	168,000
TOTAL MINOR ITEMS				\$	168,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	1,008,000	x 10% = \$	100,800
TOTAL MOBILIZATION				\$	100,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	1,108,800	x 20% = \$	221,760
TOTAL CONTINGENCY				\$	221,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 1 \$700,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$40,000

RESULT NO. 2 \$40,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Hollister Avenue and Pebble Beach Drive

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 758,900	+	1	
Pavement Structural Section	\$ 1,244,400	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 547,300	+	7	
Roadway Mobilization	\$ 342,800	+	8	
Roadway Contingency	\$ 1,131,200	+	9	
TOTAL ROADWAY COST	\$ 4,901,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,902,000	=		
TOTAL RIGHT OF WAY COST	\$ 5,805,000	=	11	
Management Support	\$ 490,200	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 3,118,000	=		

Total Estimated Project Costs: \$ 13,850,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x	= \$ -	
Highway Planting	LS	1	x 100,000	= \$ 100,000	
Irrigation System	LS	1	x 25,000	= \$ 25,000	
Plant Establishment Work	LS	1	x 20,000	= \$ 20,000	
Implement Erosion Control	LS	1	x 20,000	= \$ 20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000	= \$ 20,000	
TOTAL ENVIRONMENTAL					\$ 185,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000	= \$ 250,000	12
Signal and Lighting	LS		x	= \$ -	
Ramp Metering System	LS		x	= \$ -	
Interconnection Conduit and Cable	LS		x	= \$ -	
Furnish and Install Sign Structure	LS		x	= \$ -	
CIDH Pile (Sign Foundation)	LS		x	= \$ -	
Remove Sign Structure	LS		x	= \$ -	
Permanent Pavement Delineation	LS	1	x 80,000	= \$ 80,000	13
TOTAL TRAFFIC ITEMS					\$ 330,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours				5.0%	\$ 144,020
Stage Construction and Traffic Handling				6.0%	\$ 172,824
ADA Items				2.0%	\$ 57,608
Other Minor Items				6.0%	\$ 172,824
Total of Section 1-6		\$	2,880,400	x 19.0%	= \$ 547,276
TOTAL MINOR ITEMS					\$ 547,300

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	3,427,700	x 10%	= \$ 342,770
TOTAL MOBILIZATION					\$ 342,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	3,770,500	x 30%	= \$ 1,131,150
TOTAL CONTINGENCY					\$ 1,131,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity		Unit Price		Cost	Notes
Acquisition - Residential Property	SF	6,250	x	150.00	=	\$ 937,500	
Acquisition - Commercial Property	SF		x		=	\$ -	
Acquisition of Offsite Mitigation	SF		x		=	\$ -	
Utility Relocation	LS		x		=	\$ -	
Railroad - TCE	LS		x		=	\$ -	
Railroad - Flaggers	LS		x		=	\$ -	
Clearance / Demolition	SF	3,000	x	1,250.00	=	\$ 3,750,000	
Relocation Assistance	LS	1	x	150,000	=	\$ 150,000	
Right of Way Contingency	LS	20%	x	4,837,500	=	\$ 967,500	
TOTAL RIGHT OF WAY ESTIMATE						\$ 5,805,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet At roundabout

2000 feet Approaches

2200 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-11 New Intersection Control - Hollister Avenue / Pebble Beach Drive

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights			
12 each			
Cost per street light			
\$ 30,000			
Landscape lights			
12 each			
Cost per street light			
\$ 10,000			
Total lights			
\$ 480,000			
Connection			
\$ 25,000			
		RESULT NO. 12	\$ 505,000

NOTE NO. 13

Pavement delineation and marking			
\$ 80,000			
		RESULT NO. 13	80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Gardens Lane

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Hollister Avenue and La Sumida Gardens Lane

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 90

	Current Year Costs		Section	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 655,000	+	6	
Minor Items	\$ 131,000	+	7	
Roadway Mobilization	\$ 78,600	+	8	
Roadway Contingency	\$ 173,000	+	9	
TOTAL ROADWAY COST	\$ 1,037,600	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,038,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 103,800	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 103,800	+	10%	
PS&E Support	\$ 155,700	+	15%	
Right of Way Support	\$ 20,800	+	2%	
Construction Support	\$ 166,100	+	16%	
Support Contingency	\$ 110,100	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 661,000	=		

Total Estimated Project Costs: \$ 1,700,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Gardens Lane

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Gardens Lane

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 525,000 = \$	525,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	2
TOTAL TRAFFIC ITEMS				\$	655,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	32,750
Stage Construction and Traffic Handling			5.0%	\$	32,750
ADA Items			5.0%	\$	32,750
Other Minor Items			5.0%	\$	32,750
Total of Section 1-6		\$	655,000	x 20.0% = \$	131,000
TOTAL MINOR ITEMS				\$	131,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	786,000	x 10% = \$	78,600
TOTAL MOBILIZATION				\$	78,600

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	864,600	x 20% = \$	172,920
TOTAL CONTINGENCY				\$	173,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Gardens Lane

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	\$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Gardens Lane

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 3

Cost: \$525,000

RESULT NO. 1

\$525,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$30,000

RESULT NO. 2

\$30,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Hollister Avenue and La Sumida Lane

Estimate Type: Planning (City)

Estimate Date: 16-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 709,000	+	1	
Pavement Structural Section	\$ 868,600	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 466,400	+	7	
Roadway Mobilization	\$ 292,200	+	8	
Roadway Contingency	\$ 964,000	+	9	
TOTAL ROADWAY COST	\$ 4,177,300	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,177,000	=		
TOTAL RIGHT OF WAY COST	\$ 4,275,000	=	11	
Management Support	\$ 417,700	+	10%	of Construction Costs
PA&ED Support	\$ 417,700	+	10%	
PS&E Support	\$ 626,600	+	15%	
Right of Way Support	\$ 83,600	+	2%	
Construction Support	\$ 668,400	+	16%	
Support Contingency	\$ 442,800	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 2,657,000	=		

Total Estimated Project Costs: \$ 11,150,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	2,139	x 160.00 = \$	342,240	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 709,000

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,060	x 237.97 = \$	252,248	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	3	x 3,507.95 = \$	10,524	6
Minor Concrete (Miscellaneous Construction)	CY	385	x 1,424.58 = \$	548,463	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 868,600

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			5.0%	\$ 122,735	
Stage Construction and Traffic Handling			6.0%	\$ 147,282	
ADA Items			2.0%	\$ 49,094	
Other Minor Items			6.0%	\$ 147,282	
Total of Section 1-6	\$	2,454,700	x 19.0%	= \$ 466,393	
TOTAL MINOR ITEMS				\$ 466,400	

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	2,921,100	x 10%	= \$ 292,110
TOTAL MOBILIZATION				\$ 292,200

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	3,213,300	x 30%	= \$ 963,990
TOTAL CONTINGENCY				\$ 964,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF		x	=	\$	-	
Acquisition - Commercial Property	SF	14,250	x	250.00	=	\$ 3,562,500	
Acquisition of Offsite Mitigation	SF		x	=	\$	-	
Utility Relocation	LS		x	=	\$	-	
Railroad - TCE	LS		x	=	\$	-	
Railroad - Flaggers	LS		x	=	\$	-	
Clearance / Demolition	SF		x	=	\$	-	
Relocation Assistance	LS		x	=	\$	-	
Right of Way Contingency	LS	20%	x	3,562,500	=	\$ 712,500	
TOTAL RIGHT OF WAY ESTIMATE						\$ 4,275,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 150 feet average approach length
 125 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 21,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 57,750
 2,139

RESULT NO. 2 **2,139**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 24,000
 Depth of AC
 0.50
 Volume = width * length * depth
 12,000 CF

Total
 14,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,060 TN

RESULT NO. 4 **1,060**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

24,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

24,000 CF

29,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

150 feet

Width

30 feet

Area

4,500 feet

Coverage rate

1,500 SF/TN

3 CY

RESULT NO. 6

3

NOTE NO. 7

New sidewalk length

200 feet At roundabout

1200 feet Approaches

1400 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

4667 CF

173 CY

RESULT NO. 7

173

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1000 feet Approaches
 1000 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 26 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 1200 feet Approaches
 1400 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 83 CY

RESULT NO. 8 **108**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-12 New Intersection Control - Hollister Avenue / La Sumida Lane

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights					
12 each					
Cost per street light					
\$ 30,000					
Landscape lights					
12 each					
Cost per street light					
\$ 10,000					
Total lights					
\$ 480,000					
Connection					
\$ 25,000					
		RESULT NO. 12	\$		505,000

NOTE NO. 13

Pavement delineation and marking					
\$ 80,000					
		RESULT NO. 13			80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Cathedral Oaks Road and Carlo Drive

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 758,900	+	1	
Pavement Structural Section	\$ 1,244,400	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 547,300	+	7	
Roadway Mobilization	\$ 342,800	+	8	
Roadway Contingency	\$ 1,131,200	+	9	
TOTAL ROADWAY COST	\$ 4,901,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,902,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 490,200	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 3,118,000	=		

Total Estimated Project Costs: \$ 8,050,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	144,020
Stage Construction and Traffic Handling			6.0%	\$	172,824
ADA Items			2.0%	\$	57,608
Other Minor Items			6.0%	\$	172,824
Total of Section 1-6	\$	2,880,400	x 19.0%	= \$	547,276
TOTAL MINOR ITEMS				\$ 547,300	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	3,427,700	x 10%	= \$	342,770
TOTAL MOBILIZATION				\$ 342,800	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,770,500	x 30%	= \$	1,131,150
TOTAL CONTINGENCY				\$ 1,131,200	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

2000 feet

Approaches

2200 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-23 New Intersection Control - Carlo Drive / Cathedral Oaks Road

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights			
12 each			
Cost per street light			
\$ 30,000			
Landscape lights			
12 each			
Cost per street light			
\$ 10,000			
Total lights			
\$ 480,000			
Connection			
\$ 25,000			
		RESULT NO. 12	\$ 505,000

NOTE NO. 13

Pavement delineation and marking			
\$ 80,000			
		RESULT NO. 13	80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Cathedral Oaks Road and 101 SB Ramps

Estimate Type: Planning (Caltrans)

Estimate Date: 15-Jan-26

Working Days: 220

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 758,900	+	1
Pavement Structural Section	\$ 1,244,400	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ 624,400	+	4
Environmental	\$ 185,000	+	5
Traffic Items	\$ 330,000	+	6
Minor Items	\$ 666,000	+	7
Roadway Mobilization	\$ 417,100	+	8
Roadway Contingency	\$ 1,376,400	+	9
TOTAL ROADWAY COST	\$ 5,964,300	=	
TOTAL STRUCTURES COST	\$ 14,414,400	+	10
TOTAL CONSTRUCTION COST	\$ 20,379,000	=	

TOTAL RIGHT OF WAY COST \$ 650,000 = 11

Management Support	\$ 2,037,900	+	10%
PA&ED Support	\$ 2,037,900	+	10%
PS&E Support	\$ 3,056,900	+	15%
Right of Way Support	\$ 407,600	+	2%
Construction Support	\$ 3,260,700	+	16%
Support Contingency	\$ 2,160,200	+	20%
TOTAL SUPPORT COST	\$ 12,962,000	=	

of Construction
Costs

of Support Costs

Total Estimated Project Costs: \$ 34,000,000

✗ Check Status

Prepared by: _____
Project Engineer

Approved by: _____
Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY	326	x 1,915.28 = \$	624,381	14
TOTAL SPECIALTY ITEMS					\$ 624,400

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x	= \$ -	
Highway Planting	LS	1	x 100,000	= \$ 100,000	
Irrigation System	LS	1	x 25,000	= \$ 25,000	
Plant Establishment Work	LS	1	x 20,000	= \$ 20,000	
Implement Erosion Control	LS	1	x 20,000	= \$ 20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000	= \$ 20,000	
TOTAL ENVIRONMENTAL					\$ 185,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000	= \$ 250,000	12
Signal and Lighting	LS		x	= \$ -	
Ramp Metering System	LS		x	= \$ -	
Interconnection Conduit and Cable	LS		x	= \$ -	
Furnish and Install Sign Structure	LS		x	= \$ -	
CIDH Pile (Sign Foundation)	LS		x	= \$ -	
Remove Sign Structure	LS		x	= \$ -	
Permanent Pavement Delineation	LS	1	x 80,000	= \$ 80,000	13
TOTAL TRAFFIC ITEMS					\$ 330,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours				5.0%	\$ 175,240
Stage Construction and Traffic Handling				6.0%	\$ 210,288
ADA Items				2.0%	\$ 70,096
Other Minor Items				6.0%	\$ 210,288
Total of Section 1-6	\$	3,504,800	x	19.0%	= \$ 665,912
TOTAL MINOR ITEMS					\$ 666,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	4,170,800	x	10%	= \$ 417,080
TOTAL MOBILIZATION					\$ 417,100

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	4,587,900	x	30%	= \$ 1,376,370
TOTAL CONTINGENCY					\$ 1,376,400

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

SECTION 10: STRUCTURES ITEMS

Name / ID	RR OH		xxxxxxxxx
Structure Type	PC/PS Box	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	40 LF	0 LF	0 LF
Total Bridge Length	210 LF	0 LF	0 LF
Total Area (Square Feet)	8400 SQFT	0 SQFT	0 SQFT
Complexity	6	5	5
Unusual Features	2	0	0
Cost Per Square Foot	\$1,200	\$0	\$0
COST OF EACH BRIDGE	\$ 10,080,000	\$ -	\$ -

Name / ID	xxxxxxxxx		xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$ 10,080,000
Structures Mobilization Percentage	10%	\$ 1,008,000
Structures Contingency Percentage	30%	\$ 3,326,400
TOTAL COST OF STRUCTURES		\$ 14,414,400

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	1	x 250,000	= \$ 250,000	
Railroad - Flaggers	LS	1	x 250,000	= \$ 250,000	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	30%	x 500,000	= \$ 150,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 650,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

2000 feet

Approaches

2200 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-27 New Intersection Control - Cathedral Oaks / 101 SB-Ramp

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights		
12 each		
Cost per street light		
\$ 30,000		
Landscape lights		
12 each		
Cost per street light		
\$ 10,000		
Total lights		
\$ 480,000		
Connection		
\$ 25,000	RESULT NO. 12	\$ 505,000

NOTE NO. 13

Pavement delineation and marking		
\$ 80,000	RESULT NO. 13	80,000

NOTE NO. 14

Retaining walls		
100 feet	Length	
8 feet	Average Height	
1 feet	Stem Thickness	
12 feet	Footing Width	
1.5 feet	Footing Thickness	
Volume = Minor Concrete (Minor Structure)		
96 CY		
200 feet	Length	
10 feet	Average Height	
1 feet	Stem Thickness	
14 feet	Footing Width	
1.5 feet	Footing Thickness	
Volume = Minor Concrete (Minor Structure)		
230 CY	RESULT NO. 14	326

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Hollister Avenue and Palo Alto Drive

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 758,900	+	1
Pavement Structural Section	\$ 1,244,400	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 185,000	+	5
Traffic Items	\$ 330,000	+	6
Minor Items	\$ 547,300	+	7
Roadway Mobilization	\$ 342,800	+	8
Roadway Contingency	\$ 1,131,200	+	9
TOTAL ROADWAY COST	\$ 4,901,700	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 4,902,000	=	
TOTAL RIGHT OF WAY COST	\$ 2,145,000	=	11

Management Support	\$ 490,200	+	10%	of Construction Costs
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 3,118,000	=		

Total Estimated Project Costs: \$ 10,200,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	2
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	3
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	4
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	5
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	144,020
Stage Construction and Traffic Handling			6.0%	\$	172,824
ADA Items			2.0%	\$	57,608
Other Minor Items			6.0%	\$	172,824
Total of Section 1-6	\$	2,880,400	x 19.0%	= \$	547,276
TOTAL MINOR ITEMS				\$ 547,300	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	3,427,700	x 10%	= \$	342,770
TOTAL MOBILIZATION				\$ 342,800	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,770,500	x 30%	= \$	1,131,150
TOTAL CONTINGENCY				\$ 1,131,200	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity		Unit Price		Cost	Notes
Acquisition - Residential Property	SF	250	x	150.00	=	\$ 37,500	
Acquisition - Commercial Property	SF	7,000	x	250.00	=	\$ 1,750,000	
Acquisition of Offsite Mitigation	SF		x		=	\$ -	
Utility Relocation	LS		x		=	\$ -	
Railroad - TCE	LS		x		=	\$ -	
Railroad - Flaggers	LS		x		=	\$ -	
Clearance / Demolition	SF		x		=	\$ -	
Relocation Assistance	LS		x		=	\$ -	
Right of Way Contingency	LS	20%	x	1,787,500	=	\$ 357,500	
TOTAL RIGHT OF WAY ESTIMATE						\$ 2,145,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

2000 feet

Approaches

2200 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-30 New Intersection Control - Hollister Avenue / Palo Alto Drive

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights		
12 each		
Cost per street light		
\$ 30,000		
Landscape lights		
12 each		
Cost per street light		
\$ 10,000		
Total lights		
\$ 480,000		
Connection		
\$ 25,000		
	RESULT NO. 12	\$ 505,000

NOTE NO. 13

Pavement delineation and marking		
\$ 80,000		
	RESULT NO. 13	80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-31 New Intersection Control - Hollister Avenue / Santa Felicia Drive

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Hollister Avenue and Santa Felicia Drive

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 90

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+	1	
Pavement Structural Section	\$ -	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 840,000	+	6	
Minor Items	\$ 168,000	+	7	
Roadway Mobilization	\$ 100,800	+	8	
Roadway Contingency	\$ 221,800	+	9	
TOTAL ROADWAY COST	\$ 1,330,600	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 1,331,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 133,100	+	10%	of Construction Costs
PA&ED Support	\$ 133,100	+	10%	
PS&E Support	\$ 199,700	+	15%	
Right of Way Support	\$ 26,700	+	2%	
Construction Support	\$ 213,000	+	16%	
Support Contingency	\$ 141,200	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 847,000	=		

Total Estimated Project Costs: \$ 2,180,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-31 New Intersection Control - Hollister Avenue / Santa Felicia Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-31 New Intersection Control - Hollister Avenue / Santa Felicia Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	2
TOTAL TRAFFIC ITEMS				\$	840,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	42,000
Stage Construction and Traffic Handling			5.0%	\$	42,000
ADA Items			5.0%	\$	42,000
Other Minor Items			5.0%	\$	42,000
Total of Section 1-6		\$	840,000	x 20.0% = \$	168,000
TOTAL MINOR ITEMS				\$	168,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	1,008,000	x 10% = \$	100,800
TOTAL MOBILIZATION				\$	100,800

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	1,108,800	x 20% = \$	221,760
TOTAL CONTINGENCY				\$	221,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-31 New Intersection Control - Hollister Avenue / Santa Felicia Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-31 New Intersection Control - Hollister Avenue / Santa Felicia Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 1 \$700,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$40,000

RESULT NO. 2 \$40,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-32 New Intersection Control - Storke Avenue / Santa Felicia Drive

Description: Intersection and median island modifications.

Scope: Intersection and median island modifications.

Limits: Intersection of Storke Avenue and Santa Felicia Drive

Estimate Type: Planning (City)

Estimate Date: 16-Jan-26

Working Days: 60

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 36,500	+	1	
Pavement Structural Section	\$ 36,300	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ -	+	5	
Traffic Items	\$ 30,000	+	6	
Minor Items	\$ 20,600	+	7	
Roadway Mobilization	\$ 12,400	+	8	
Roadway Contingency	\$ 27,200	+	9	
TOTAL ROADWAY COST	\$ 163,000	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 163,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 16,300	+	10%	of Construction Costs
PA&ED Support	\$ 16,300	+	10%	
PS&E Support	\$ 24,500	+	15%	
Right of Way Support	\$ 3,300	+	2%	
Construction Support	\$ 26,100	+	16%	
Support Contingency	\$ 17,300	+	20%	of Support Costs
TOTAL SUPPORT COST	\$ 104,000	=		

Total Estimated Project Costs: \$ 270,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-32 New Intersection Control - Storke Avenue / Santa Felicia Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	111	x 328.52 = \$	36,466	2
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS		x = \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ 36,500

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN		x = \$	-	
Class 2 Aggregate Base	CY		x = \$	-	
Slurry Seal	TN		x = \$	-	
Minor Concrete (Miscellaneous Construction)	CY	14	x 2,591.04 = \$	36,275	3
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 36,300

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-32 New Intersection Control - Storke Avenue / Santa Felicia Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	1
TOTAL TRAFFIC ITEMS				\$	30,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	5,140
Stage Construction and Traffic Handling			5.0%	\$	5,140
ADA Items			5.0%	\$	5,140
Other Minor Items			5.0%	\$	5,140
Total of Section 1-6	\$	102,800	x 20.0%	= \$	20,560
TOTAL MINOR ITEMS				\$	20,600

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	123,400	x 10%	= \$	12,340
TOTAL MOBILIZATION				\$	12,400

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	135,800	x 20%	= \$	27,160
TOTAL CONTINGENCY				\$	27,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-32 New Intersection Control - Storke Avenue / Santa Felicia Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF	x		=	\$	-	
Acquisition - Commercial Property	SF	x		=	\$	-	
Acquisition of Offsite Mitigation	SF	x		=	\$	-	
Utility Relocation	LS	x		=	\$	-	
Railroad - TCE	LS	x		=	\$	-	
Railroad - Flaggers	LS	x		=	\$	-	
Clearance / Demolition	SF	x		=	\$	-	
Relocation Assistance	LS	x		=	\$	-	
Right of Way Contingency	LS	20%	x	0	\$	-	
TOTAL RIGHT OF WAY ESTIMATE					\$	-	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-32 New Intersection Control - Storke Avenue / Santa Felicia Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Pavement delineation			
Cost	\$30,000	RESULT NO. 1	\$30,000

NOTE NO. 2

Roadway excavation			
Area			
	3000 SF		
Depth			
	2.25 FT		
Volume			
	3000 CF		
	111 CY	RESULT NO. 2	111

NOTE NO. 3

A1-6 Curb			
Length			
	400 LF		
Vol per foot			
	0.02585 CY/LF		
Volume			
	10 CY/LF		
Island paving			
Area			
	300 SF		
Depth			
	4 IN		
Volume			
	100 CF		
	4 CY		
TOTAL	14 CY	RESULT NO. 3	14

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Hollister Avenue and Cathedral Oaks Avenue

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 758,900	+	1	
Pavement Structural Section	\$ 1,244,400	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 547,300	+	7	
Roadway Mobilization	\$ 342,800	+	8	
Roadway Contingency	\$ 1,131,200	+	9	
TOTAL ROADWAY COST	\$ 4,901,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,902,000	=		
TOTAL RIGHT OF WAY COST	\$ 1,350,000	=	11	
Management Support	\$ 490,200	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 40px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 3,118,000	=		

Total Estimated Project Costs: \$ 9,400,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0%	\$ 144,020
Stage Construction and Traffic Handling			6.0%	\$ 172,824
ADA Items			2.0%	\$ 57,608
Other Minor Items			6.0%	\$ 172,824
Total of Section 1-6		\$ 2,880,400	x 19.0%	= \$ 547,276
TOTAL MINOR ITEMS				\$ 547,300

SECTIONS 8: MOBILIZATION				
Total Section 1-7		\$ 3,427,700	x 10%	= \$ 342,770
TOTAL MOBILIZATION				\$ 342,800

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8		\$ 3,770,500	x 30%	= \$ 1,131,150
TOTAL CONTINGENCY				\$ 1,131,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF		x	=	\$	-	
Acquisition - Commercial Property	SF	2,500	x	250.00	=	\$ 625,000	
Acquisition of Offsite Mitigation	SF		x	=	\$	-	
Utility Relocation	LS	1	x	500,000	=	\$ 500,000	
Railroad - TCE	LS		x	=	\$	-	
Railroad - Flaggers	LS		x	=	\$	-	
Clearance / Demolition	SF		x	=	\$	-	
Relocation Assistance	LS		x	=	\$	-	
Right of Way Contingency	LS	20%	x	1,125,000	=	\$ 225,000	
TOTAL RIGHT OF WAY ESTIMATE						\$ 1,350,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet At roundabout

2000 feet Approaches

2200 feet TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-33 New Intersection Control - Hollister Avenue / Cathedral Oaks Avenue

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

12 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 480,000

Connection

\$ 25,000

RESULT NO. 12 \$ 505,000

NOTE NO. 13

Pavement delineation and marking

\$ 80,000

RESULT NO. 13 80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-34 New Intersection Control - Hollister Avenue / Cortona Drive

Description: New traffic signal.

Scope: New traffic signal improvements.

Limits: Intersection of Hollister Avenue and Cortona Drive

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 90

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ -	+		1
Pavement Structural Section	\$ -	+		2
Drainage	\$ -	+		3
Specialty Items	\$ -	+		4
Environmental	\$ -	+		5
Traffic Items	\$ 655,000	+		6
Minor Items	\$ 131,000	+		7
Roadway Mobilization	\$ 78,600	+		8
Roadway Contingency	\$ 173,000	+		9
TOTAL ROADWAY COST	\$ 1,037,600	=		
TOTAL STRUCTURES COST	\$ -	+		10
TOTAL CONSTRUCTION COST	\$ 1,038,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=		11
Management Support	\$ 103,800	+	10%	} of Construction Costs
PA&ED Support	\$ 103,800	+	10%	
PS&E Support	\$ 155,700	+	15%	
Right of Way Support	\$ 20,800	+	2%	
Construction Support	\$ 166,100	+	16%	
Support Contingency	\$ 110,100	+	20%	} of Support Costs
TOTAL SUPPORT COST	\$ 661,000	=		

Total Estimated Project Costs: \$ 1,700,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-34 New Intersection Control - Hollister Avenue / Cortona Drive

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	x	= \$	-	
Roadway Excavation (ADL)	CY	x	= \$	-	
Imported Borrow	CY	x	= \$	-	
Structure Excavation (Retaining Wall)	CY	x	= \$	-	
Structure Backfill (Retaining Wall)	CY	x	= \$	-	
Clearing & Grubbing	LS	x	= \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ -

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY	x	= \$	-	
Hot Mix Asphalt (Type A)	TN	x	= \$	-	
Class 2 Aggregate Base	CY	x	= \$	-	
Slurry Seal	TN	x	= \$	-	
Minor Concrete (Miscellaneous Construction)	CY	x	= \$	-	
Place Hot Mix Asphalt Dike	LF	x	= \$	-	
Cold Plane Asphalt Concrete Pavement	SY	x	= \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ -

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY	x	= \$	-	
Minor Concrete (Minor Structure)	CY	x	= \$	-	
Reinforced Concrete Pipe	LF	x	= \$	-	
Rock Slope Protection	CY	x	= \$	-	
Concrete (Ditch/Channel Lining)	CY	x	= \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	x	= \$	-	
Remove Concrete Barrier	LF	x	= \$	-	
Remove Metal Beam Guard Railing	LF	x	= \$	-	
Chain Link Fence	LF	x	= \$	-	
Midwest Guardrail System (Wood Post)	LF	x	= \$	-	
Thrie Beam Barrier	LF	x	= \$	-	
Terminal System or Crash Cushion	EA	x	= \$	-	
Concrete Barrier (TYPE 60M)	LF	x	= \$	-	
Structural Concrete, Retaining Wall	CY	x	= \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-34 New Intersection Control - Hollister Avenue / Cortona Drive

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS		x = \$	-	
Irrigation System	LS		x = \$	-	
Plant Establishment Work	LS		x = \$	-	
Implement Erosion Control	LS		x = \$	-	
Prepare and Implement SWPPP / WPCP	LS		x = \$	-	
TOTAL ENVIRONMENTAL				\$	-

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 525,000 = \$	525,000	1
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 30,000 = \$	30,000	2
TOTAL TRAFFIC ITEMS				\$	655,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	32,750
Stage Construction and Traffic Handling			5.0%	\$	32,750
ADA Items			5.0%	\$	32,750
Other Minor Items			5.0%	\$	32,750
Total of Section 1-6		\$	655,000	x 20.0%	= \$ 131,000
TOTAL MINOR ITEMS				\$	131,000

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$	786,000	x 10%	= \$ 78,600
TOTAL MOBILIZATION				\$	78,600

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$	864,600	x 20%	= \$ 172,920
TOTAL CONTINGENCY				\$	173,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-34 New Intersection Control - Hollister Avenue / Cortona Drive

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-34 New Intersection Control - Hollister Avenue / Cortona Drive

NOTES AND CALCULATIONS

NOTE NO. 1

Signal and Lighting

Scale: Major

Legs: 3

Cost: \$525,000

RESULT NO. 1

\$525,000

NOTE NO. 2

Permanent Pavement Delineation

Cost \$30,000

RESULT NO. 2

\$30,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Cathedral Oaks Avenue and Glen Annie Road

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 758,900	+	1	
Pavement Structural Section	\$ 1,244,400	+	2	
Drainage	\$ 362,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 330,000	+	6	
Minor Items	\$ 547,300	+	7	
Roadway Mobilization	\$ 342,800	+	8	
Roadway Contingency	\$ 1,131,200	+	9	
TOTAL ROADWAY COST	\$ 4,901,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,902,000	=		
TOTAL RIGHT OF WAY COST	\$ 750,000	=	11	
Management Support	\$ 490,200	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 490,200	+	10%	
PS&E Support	\$ 735,300	+	15%	
Right of Way Support	\$ 98,100	+	2%	
Construction Support	\$ 784,400	+	16%	
Support Contingency	\$ 519,700	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Support Costs</div>
TOTAL SUPPORT COST	\$ 3,118,000	=		

Total Estimated Project Costs: \$ 8,800,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	3,565	x 110.00 = \$	392,150	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	741	x 90.00 = \$	66,690	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 758,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,640	x 237.97 = \$	390,271	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	547	x 1,424.58 = \$	779,245	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,244,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 80,000 = \$	80,000	13
TOTAL TRAFFIC ITEMS				\$ 330,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	144,020
Stage Construction and Traffic Handling			6.0%	\$	172,824
ADA Items			2.0%	\$	57,608
Other Minor Items			6.0%	\$	172,824
Total of Section 1-6	\$	2,880,400	x 19.0%	= \$	547,276
TOTAL MINOR ITEMS				\$ 547,300	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	3,427,700	x 10%	= \$	342,770
TOTAL MOBILIZATION				\$ 342,800	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,770,500	x 30%	= \$	1,131,150
TOTAL CONTINGENCY				\$ 1,131,200	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	2,000	x 250.00 =	\$ 500,000	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	50%	x 500,000 =	\$ 250,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 750,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 4 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 35,000
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 96,250
 3,565

RESULT NO. 2 **3,565**

NOTE NO. 3

Import for landscape areas
 10,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 20,000 CF
 741 CY

RESULT NO. 3 **741**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 40,000
 Depth of AC
 0.50
 Volume = width * length * depth
 20,000 CF

Total
 22,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,640 TN

RESULT NO. 4 **1,640**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

40,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

40,000 CF

45,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

200 feet

At roundabout

2000 feet

Approaches

2200 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

7333 CF

272 CY

RESULT NO. 7

272

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1600 feet Approaches
 1600 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 41 CY

New Caltrans A2-6 curb and gutter length
 200 feet At roundabout
 2000 feet Approaches
 2200 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 130 CY

RESULT NO. 8 **171**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 24 CY

RESULT NO. 10 **24**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-35 New Intersection Control - Cathedral Oaks Avenue / Glen Annie Road

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights		
12 each		
Cost per street light		
\$ 30,000		
Landscape lights		
12 each		
Cost per street light		
\$ 10,000		
Total lights		
\$ 480,000		
Connection		
\$ 25,000		
	RESULT NO. 12	\$ 505,000

NOTE NO. 13

Pavement delineation and marking		
\$ 80,000		
	RESULT NO. 13	80,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

Description: New simple single-lane roundabout.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection of Cathedral Oaks Avenue and Alameda Avenue

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 769,400	+	1	
Pavement Structural Section	\$ 1,038,600	+	2	
Drainage	\$ 344,700	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 185,000	+	5	
Traffic Items	\$ 310,000	+	6	
Minor Items	\$ 503,100	+	7	
Roadway Mobilization	\$ 315,100	+	8	
Roadway Contingency	\$ 1,039,800	+	9	
TOTAL ROADWAY COST	\$ 4,505,700	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 4,506,000	=		
TOTAL RIGHT OF WAY COST	\$ 1,875,000	=	11	
Management Support	\$ 450,600	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 450,600	+	10%	
PS&E Support	\$ 675,900	+	15%	
Right of Way Support	\$ 90,200	+	2%	
Construction Support	\$ 721,000	+	16%	
Support Contingency	\$ 477,700	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Support Costs</div>
TOTAL SUPPORT COST	\$ 2,866,000	=		

Total Estimated Project Costs: \$ 9,250,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	2,674	x 160.00 = \$	427,840	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	1,037	x 40.00 = \$	41,480	2
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 300,000 = \$	300,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 769,400

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,278	x 237.97 = \$	304,126	3
Class 2 Aggregate Base	CY	194	x 295.45 = \$	57,317	4
Slurry Seal	TN	5	x 3,507.95 = \$	17,540	6
Minor Concrete (Miscellaneous Construction)	CY	463	x 1,424.58 = \$	659,581	7,8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,038,600

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	18	x 2,900.00 = \$	52,200	10
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 344,700

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 = \$	25,000	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 20,000 = \$	20,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 185,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 250,000 = \$	250,000	12
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 60,000 = \$	60,000	13
TOTAL TRAFFIC ITEMS				\$ 310,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			5.0%	\$ 132,385
Stage Construction and Traffic Handling			6.0%	\$ 158,862
ADA Items			2.0%	\$ 52,954
Other Minor Items			6.0%	\$ 158,862
Total of Section 1-6		\$ 2,647,700	x 19.0%	= \$ 503,063
TOTAL MINOR ITEMS				\$ 503,100

SECTIONS 8: MOBILIZATION				
Total Section 1-7		\$ 3,150,800	x 10%	= \$ 315,080
TOTAL MOBILIZATION				\$ 315,100

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8		\$ 3,465,900	x 30%	= \$ 1,039,770
TOTAL CONTINGENCY				\$ 1,039,800

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	5,000	x 250.00	= \$ 1,250,000	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	50%	x 1,250,000	= \$ 625,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 1,875,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

NOTES AND CALCULATIONS

NOTE NO. 1

Number of intersection legs
 3 legs
 250 feet average approach length
 200 feet average splitter island length

NOTE NO. 2

Roadway excavation area (within splitter islands)
 26,250
 Depth of AC
 0.75
 Depth of base
 2.00
 Roadway excavation = width * length * depth
 72,188
 2,674

RESULT NO. 2 **2,674**

NOTE NO. 3

Import for landscape areas
 14,000 SF
 Depth
 2.00 feet
 Volume = width * length * depth
 28,000 CF
 1,037 CY

RESULT NO. 3 **1,037**

NOTE NO. 4

AC pavement area
 3,500 SF
 Depth of AC
 0.75 feet
 Volume = width * length * depth
 2,625 CF

AC pavement area (approaches)
 30,000
 Depth of AC
 0.50
 Volume = width * length * depth
 15,000 CF

Total
 17,625 CF * 145 pounds/CF / 2,000 pounds/ton
 1,278 TN

RESULT NO. 4 **1,278**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

NOTES AND CALCULATIONS

NOTE NO. 5

Aggregate base area in RAB

3,500 SF

Depth of base

1.50 feet

Volume = width * length * depth

5,250 CF

Aggregate base area in approaches

30,000 SF

Depth of base

1.00 feet

Volume = width * length * depth

30,000 CF

35,250 CF

194 CY

RESULT NO. 5

194

NOTE NO. 6

Approaches to project

Length (typ)

250 feet

Width

30 feet

Area

7,500 feet

Coverage rate

1,500 SF/TN

5 CY

RESULT NO. 6

5

NOTE NO. 7

New sidewalk length

250 feet

At roundabout

1500 feet

Approaches

1750 feet

TOTAL

Sidewalk width (most of it is multi-use path)

10 feet

Sidewalk thickness

4 inches

Volume = Minor Concrete (Miscellaneous Construction)

5833 CF

216 CY

RESULT NO. 7

216

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

NOTES AND CALCULATIONS

NOTE NO. 8

New Caltrans A1-6 curb at splitter islands
 1200 feet Approaches
 1200 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 31 CY

New Caltrans A2-6 curb and gutter length
 400 feet At roundabout
 1500 feet Approaches
 1900 feet TOTAL
 Volume / foot
 0.06 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 112 CY

RESULT NO. 8 **143**

NOTE NO. 9

Truck apron and misc
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 9 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 1875 CF
 50% Additional for misc
 2813 CF
 104 CY

RESULT NO. 9 **104**

NOTE NO. 10

New drop inlets - assumed one each side of the road on each leg
 6 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Minor Structure)
 18 CY

RESULT NO. 10 **18**

NOTE NO. 11

Estimated length of RCP
 1,500 feet

RESULT NO. 11 **1,500**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-12-36 New Intersection Control - Cathedral Oaks Avenue / Alameda Avenue

NOTES AND CALCULATIONS

NOTE NO. 12

New street lights

9 each

Cost per street light

\$ 30,000

Landscape lights

12 each

Cost per street light

\$ 10,000

Total lights

\$ 390,000

Connection

\$ 25,000

RESULT NO. 12 \$ 415,000

NOTE NO. 13

Pavement delineation and marking

\$ 60,000

RESULT NO. 13 60,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

Description: Additional second dedicated right turn lane on Storke Road Right US 101 southbound on-ramp. Currently 1 through lane; 1 through and right turn lane; 1 right turn lane.

- Additional Storke Road NB right turn lane onto US 101 SB on-ramp.
- Widen OH structure to accomodate Class I facilities on each side and provide Class I bike path from Hollister Avenue to SB ramps.

Scope: Demolition; pavement widening; overhead bridge widening; traffic signal; pavement delineation and slurry seal; railroad coordination.

Limits: Intersection.

Estimate Type: Planning (Caltrans)

Estimate Date: 20-Jan-26

Working Days: 240

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 860,300	+	1	
Pavement Structural Section	\$ 805,800	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ 1,576,500	+	4	
Environmental	\$ 95,000	+	5	
Traffic Items	\$ 860,000	+	6	
Minor Items	\$ 545,700	+	7	
Roadway Mobilization	\$ 474,400	+	8	
Roadway Contingency	\$ 1,565,400	+	9	
TOTAL ROADWAY COST	\$ 6,783,100	=		
TOTAL STRUCTURES COST	\$ 4,684,700	+	10	
TOTAL CONSTRUCTION COST	\$ 11,468,000	=		
TOTAL RIGHT OF WAY COST	\$ 3,000,000	=	11	
Management Support	\$ 1,146,800	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> <div style="margin-left: 10px;">of Construction Costs</div>
PA&ED Support	\$ 1,146,800	+	10%	
PS&E Support	\$ 1,720,200	+	15%	
Right of Way Support	\$ 229,400	+	2%	
Construction Support	\$ 1,834,900	+	16%	
Support Contingency	\$ 1,823,500	+	30%	
TOTAL SUPPORT COST	\$ 7,902,000	=		of Support Costs

Total Estimated Project Costs: \$ 22,400,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	444	x 228.81 = \$	101,592	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	759	x 40.00 = \$	30,360	3
Structure Excavation (Retaining Wall)	CY	850	x 300.00 = \$	255,000	4
Structure Backfill (Retaining Wall)	CY	622	x 560.00 = \$	348,320	5
Clearing & Grubbing	LS	1	x 125,000 = \$	125,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 860,300

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	326	x 418.28 = \$	136,359	6
Class 2 Aggregate Base	CY	278	x 295.45 = \$	82,135	7
Slurry Seal	TN	20	x 3,507.95 = \$	70,159	8
Minor Concrete (Miscellaneous Construction)	CY	363	x 1,424.58 = \$	517,123	15
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 805,800

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF	600	x 22.04 = \$	13,224	9
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF	100	x 61.81 = \$	6,181	10
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF	600	x 325.82 = \$	195,492	11
Structural Concrete, Retaining Wall	CY	1,214	x 1,121.58 = \$	1,361,598	12
TOTAL SPECIALTY ITEMS					\$ 1,576,500

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 40,000 = \$	40,000	
Irrigation System	LS	1	x 15,000 = \$	15,000	
Plant Establishment Work	LS		x 10,000 = \$	-	
Implement Erosion Control	LS	1	x 10,000 = \$	10,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 30,000 = \$	30,000	
TOTAL ENVIRONMENTAL				\$ 95,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	13
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 60,000 = \$	60,000	14
TOTAL TRAFFIC ITEMS				\$ 860,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			3.5%	\$ 146,916
Stage Construction and Traffic Handling			4.0%	\$ 167,904
ADA Items			0.5%	\$ 20,988
Other Minor Items			5.0%	\$ 209,880
Total of Section 1-6	\$	4,197,600	x 13.0%	= \$ 545,688
TOTAL MINOR ITEMS				\$ 545,700

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	4,743,300	x 10%	= \$ 474,330
TOTAL MOBILIZATION				\$ 474,400

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	5,217,700	x 30%	= \$ 1,565,310
TOTAL CONTINGENCY				\$ 1,565,400

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

SECTION 10: STRUCTURES ITEMS

Name / ID	UPRR Overhead	xxxxxxxxx	xxxxxxxxx
Structure Type	PC/PS I	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	26 LF	0 LF	0 LF
Total Bridge Length	105 LF	0 LF	0 LF
Total Area (Square Feet)	2730 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	4	0	0
Cost Per Square Foot	\$1,200	\$0	\$0
COST OF EACH BRIDGE	\$ 3,276,000	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ 3,276,000
Structures Mobilization Percentage 10%	\$ 327,600
Structures Contingency Percentage 30%	\$ 1,081,080
TOTAL COST OF STRUCTURES	\$ 4,684,700

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	1	x 1,000,000	= \$ 1,000,000	
Railroad - Flaggers	LS	1	x 500,000	= \$ 500,000	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	100%	x 1,500,000	= \$ 1,500,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 3,000,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area
 6000 SF Widenings
 Depth
 2.00 feet
 Volume = (Sum of Areas) * Depth
 12000 CF
 444 CY

RESULT NO. 1 **444**

NOTE NO. 2

Retaining Wall
 Total Wall Lengths

 600 feet

NOTE NO. 3

Borrow cross sectional area
 55 SF
 Length
 100 feet

 Borrow Cross Sectional Area
 25 SF
 Length
 600 feet

 Volume = Sum (area * length)
 20500 CF
 759 CY

RESULT NO. 3 **759**

NOTE NO. 4

Structure excavation
 38 SF
 Length
 600 feet
 Volume = (Sum of Areas) * Depth
 22950 CF
 850 CY

RESULT NO. 4 **850**

NOTE NO. 5

Structure Backfill
 28 SF
 Length
 600 feet
 Volume = (Sum of Areas) * Depth
 16800 CF
 622 CY

RESULT NO. 5 **622**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 6

AC Pavement
 Widening Area (from CAD)
 6000 SF
 Depth
 0.75 feet
 Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton
 326 ton

RESULT NO. 6 **326**

NOTE NO. 7

Aggregate base
 Area (from CAD)
 6000 SF Widenings
 Depth
 1.25 feet
 Volume = (Sum of Areas) * Depth
 7500 CF
 278 CY

RESULT NO. 7 **278**

NOTE NO. 8

Slurry seal
 Area (from CAD)
 30000 SF
 Tonnage = area / 1500SF/ton
 20 ton

RESULT NO. 8 **20**

NOTE NO. 9

Remove guard rail
 100 feet South of structure
 500 feet Along ramp

RESULT NO. 9 **600**

NOTE NO. 10

Midwest guard rail
 100 feet South of structure

RESULT NO. 10 **100**

NOTE NO. 11

Concrete barrier
 600 feet Installed on retaining wall

RESULT NO. 11 **600**

NOTE NO. 12

Retaining Wall Cross Sectional Area
 55 SF
 Length
 600 feet
 Volume = Area * Length
 32769 CF
 1214 CY

RESULT NO. 12 **1214**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-18 Stork Road at US 101 Southbound Ramps

NOTES AND CALCULATIONS

NOTE NO. 13

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 13 **\$700,000**

NOTE NO. 14

Permanent Pavement Delineation

Cost \$60,000

RESULT NO. 14 **\$60,000**

NOTE NO. 15

Bike path pavement

Length

1400 feet

Width

14 feet

Depth

0.50 feet

Volume = Area * Length

9800 CF

363 CY

RESULT NO. 15 **363**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

Description: • Construct two lane roundabout to improve congestion at one of the busiest intersections in the City.
 • Provide Class I bike path on NW quadrant.

Scope: Demolition; pavement structural section reconstruction; concrete curb, gutter, sidewalk, truck apron, etc.; drainage modifications; landscaping; right of way.

Limits: Intersection and each leg of Hollister Avenue and Fairview Avenue.

Estimate Type: Planning (City)

Estimate Date: 20-Jan-26

Working Days: 280

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 1,060,300	+	1
Pavement Structural Section	\$ 1,692,100	+	2
Drainage	\$ 362,100	+	3
Specialty Items	\$ -	+	4
Environmental	\$ 650,000	+	5
Traffic Items	\$ 495,000	+	6
Minor Items	\$ 809,400	+	7
Roadway Mobilization	\$ 506,900	+	8
Roadway Contingency	\$ 1,115,200	+	9
TOTAL ROADWAY COST	\$ 6,691,000	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 6,691,000	=	
TOTAL RIGHT OF WAY COST	\$ 4,875,000	=	11
Management Support	\$ 669,100	+	10%
PA&ED Support	\$ 669,100	+	10%
PS&E Support	\$ 1,003,700	+	15%
Right of Way Support	\$ 133,900	+	2%
Construction Support	\$ 1,070,600	+	16%
Support Contingency	\$ 709,300	+	20%
TOTAL SUPPORT COST	\$ 4,256,000	=	

	of Construction Costs
	of Support Costs

Total Estimated Project Costs: \$ 15,850,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	5,093	x 110.00 = \$	560,230	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 500,000 = \$	500,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 1,060,300

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	2,719	x 237.97 = \$	647,040	2
Class 2 Aggregate Base	CY	2,778	x 134.30 = \$	373,085	3
Slurry Seal	TN	23	x 3,507.95 = \$	80,683	4
Minor Concrete (Miscellaneous Construction)	CY	415	x 1,424.58 = \$	591,201	5,6,7,8
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,692,100

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	24	x 2,900.00 = \$	69,600	9
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	10
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 362,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 400,000 = \$	400,000	
Irrigation System	LS	1	x 125,000 = \$	125,000	
Plant Establishment Work	LS	1	x 65,000 = \$	65,000	
Implement Erosion Control	LS	1	x 25,000 = \$	25,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 35,000 = \$	35,000	
TOTAL ENVIRONMENTAL				\$ 650,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 445,000 = \$	445,000	11
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 50,000 = \$	50,000	
TOTAL TRAFFIC ITEMS				\$ 495,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$	212,975
Stage Construction and Traffic Handling			6.0%	\$	255,570
ADA Items			2.0%	\$	85,190
Other Minor Items			6.0%	\$	255,570
Total of Section 1-6	\$	4,259,500	x 19.0%	= \$	809,305
TOTAL MINOR ITEMS				\$ 809,400	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	5,068,900	x 10%	= \$	506,890
TOTAL MOBILIZATION				\$ 506,900	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	5,575,800	x 20%	= \$	1,115,160
TOTAL CONTINGENCY				\$ 1,115,200	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

SECTION 10: STRUCTURES ITEMS

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	13,000	x 250.00	= \$ 3,250,000	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	50%	x 3,250,000	= \$ 1,625,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 4,875,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)

50,000 SF

Depth of AC

0.75 feet

Depth of base

2.00 feet

Roadway excavation = width * length * depth

137,500 CF

5,093 CY

RESULT NO. 1

5,093

NOTE NO. 2

AC pavement area (from CAD)

50,000 SF

Depth of AC

0.75 feet

Roadway excavation = width * length * depth

37,500 CF * 145 pounds/CF / 2,000 pounds/ton

2,719 TN

RESULT NO. 2

2,719

NOTE NO. 3

Aggregate base area (from CAD)

50,000 SF

Depth of base

1.50 feet

Roadway excavation = width * length * depth

75,000 CF

2,778 CY

RESULT NO. 3

2,778

NOTE NO. 4

Approaches to project

Length along:

150 feet northerly Fairview

150 feet easterly Hollister

50 feet southerly Fairview

100 feet westerly Hollister

Width

86 feet northerly Fairview

72 feet easterly Hollister

56 feet southerly Fairview

86 feet westerly Hollister

Area

35,100 feet

Coverage rate

1,500 SF/TN

23 CY

RESULT NO. 4

23

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 5

New sidewalk length
 225 feet Fairview NW
 100 feet Fairview NE
 420 feet Hollister NE
 100 feet Hollister SE
 100 feet Fairview SE
 110 feet Fairview SW
 200 feet Hollister SW
 225 feet Hollister NW
 1480 feet TOTAL

Sidewalk width (most of it is multi-use path)
 10 feet

Sidewalk thickness
 4 inches

Volume = Minor Concrete (Miscellaneous Construction)
 4933 CF
 183 CY

Additional area for Class I bike path in NW quadrant
 600 SF

Sidewalk thickness
 6 inches

Volume = Minor Concrete (Miscellaneous Construction)
 300 CF
 11 CY

TOTAL
 194 CY

RESULT NO. 5 **194**

NOTE NO. 6

New Caltrans A2-6 curb and gutter length
 240 feet Fairview NW
 115 feet Fairview NE
 450 feet Hollister NE
 110 feet Hollister SE
 110 feet Fairview SE
 120 feet Fairview SW
 225 feet Hollister SW
 240 feet Hollister NW
 1610 feet TOTAL

Volume / foot
 0.06 CY/foot

Volume = Minor Concrete (Miscellaneous Construction)
 95 CY

RESULT NO. 6 **95**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

I-22 Fairview Avenue at Hollister Avenue (Roundabout)

NOTES AND CALCULATIONS

NOTE NO. 7

Driveways and truck apron
 4 each
 25 feet length Driveway width
 100 feet TOTAL 20 feet
 Driveway area
 2000 SF
 Truck apron (CAD)
 2500 SF
 Concrete thickness
 6 inches
 Volume = Minor Concrete (Miscellaneous Construction)
 2250 CF
 83 CY

RESULT NO. 7 **83**

NOTE NO. 8

New Caltrans A1-6 curb length
 500 feet northerly Fairview
 500 feet easterly Hollister
 225 feet southerly Fairview
 450 feet westerly Hollister
 1,675 feet TOTAL
 Volume / foot
 0.03 CY/foot
 Volume = Minor Concrete (Miscellaneous Construction)
 43 CY

RESULT NO. 8 **43**

NOTE NO. 9

New drop inlets - assumed one each side of the road on each leg
 8 each
 Depth of drop inlets
 5 feet
 Drop inlet volume - Caltrans OL-10
 Volume / foot
 2.39 CY (3 feet deep)
 0.28 CY/each additional foot of depth up to 8 feet
 Volume = Minor Concrete (Miscellaneous Construction)
 24 CY

RESULT NO. 9 **24**

NOTE NO. 10

Estimated length of RCP
 1,500 feet

RESULT NO. 10 **1,500**

NOTE NO. 11

New street lights
 12 each
 Cost per street light
 \$ 35,000
 Total lights
 \$ 420,000
 Connection
 \$ 25,000

RESULT NO. 11 **\$ 445,000**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-02 Hollister Avenue Old Town (Complete Streets)

- Description: Hollister Avenue beautification and pedestrian improvements.
- Bike lanes in each direction.
 - Widen sidewalks and provide ADA accessible pathways where feasible.
 - Addition of street furniture, lighting and landscaping.
 - Improvements to street drainage.
 - Reconstruction where necessary and re-paving of Hollister Avenue.
 - Reconstruction of sidewalk curbs and gutters.

Scope: Demolition; pavement widening; concrete curb, gutter, sidewalk, etc.; drainage system modifications; utility relocation; pavement delineation and slurry seal; traffic signal.

Limits: Fairview Avenue to Kellogg Avenue.

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 300

	<u>Current Year Costs</u>		<u>Section</u>		
Earthwork	\$ 463,900	+	1		
Pavement Structural Section	\$ 1,415,400	+	2		
Drainage	\$ 422,500	+	3		
Specialty Items	\$ -	+	4		
Environmental	\$ 475,000	+	5		
Traffic Items	\$ 1,400,000	+	6		
Minor Items	\$ 584,800	+	7		
Roadway Mobilization	\$ 476,200	+	8		
Roadway Contingency	\$ 1,047,600	+	9		
TOTAL ROADWAY COST	\$ 6,285,400	=			
TOTAL STRUCTURES COST	\$ -	+	10		
TOTAL CONSTRUCTION COST	\$ 6,285,000	=			
TOTAL RIGHT OF WAY COST	\$ 420,000	=	11		
Management Support	\$ 628,500	+	10%	of Construction Costs	
PA&ED Support	\$ 628,500	+	10%		
PS&E Support	\$ 942,800	+	15%		
Right of Way Support	\$ 125,700	+	2%		
Construction Support	\$ 1,005,600	+	16%		
Support Contingency	\$ 666,300	+	20%		
TOTAL SUPPORT COST	\$ 3,998,000	=		of Support Costs	

Total Estimated Project Costs: \$ 10,750,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-02 Hollister Avenue Old Town (Complete Streets)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	1,493	x 160.00 = \$	238,880	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x = \$	-	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 225,000 = \$	225,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 463,900

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN		x = \$	-	
Class 2 Aggregate Base	CY		x = \$	-	
Slurry Seal	TN	148	x 2,700.00 = \$	399,600	2
Minor Concrete (Miscellaneous Construction)	CY	713	x 1,424.58 = \$	1,015,726	3
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,415,400

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	52	x 2,500.00 = \$	130,000	4
Reinforced Concrete Pipe	LF	1,500	x 195.00 = \$	292,500	5
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 422,500

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-02 Hollister Avenue Old Town (Complete Streets)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x	= \$	-
Highway Planting	LS	1	x 250,000	= \$	250,000
Irrigation System	LS	1	x 100,000	= \$	100,000
Plant Establishment Work	LS	1	x 75,000	= \$	75,000
Implement Erosion Control	LS	1	x 15,000	= \$	15,000
Prepare and Implement SWPPP / WPCP	LS	1	x 35,000	= \$	35,000
TOTAL ENVIRONMENTAL					\$ 475,000

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x	= \$	-
Signal and Lighting	LS	1	x 1,050,000	= \$	1,050,000 6
Ramp Metering System	LS		x	= \$	-
Interconnection Conduit and Cable	LS	1	x 350,000	= \$	350,000
Furnish and Install Sign Structure	LS		x	= \$	-
CIDH Pile (Sign Foundation)	LS		x	= \$	-
Remove Sign Structure	LS		x	= \$	-
Permanent Pavement Delineation	LS		x	= \$	-
TOTAL TRAFFIC ITEMS					\$ 1,400,000

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			4.0%	\$	167,072
Stage Construction and Traffic Handling			4.0%	\$	167,072
ADA Items			1.0%	\$	41,768
Other Minor Items			5.0%	\$	208,840
Total of Section 1-6	\$	4,176,800	x	14.0%	= \$ 584,752
TOTAL MINOR ITEMS					\$ 584,800

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	4,761,600	x	10%	= \$ 476,160
TOTAL MOBILIZATION					\$ 476,200

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	5,237,800	x	20%	= \$ 1,047,560
TOTAL CONTINGENCY					\$ 1,047,600

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-02 Hollister Avenue Old Town (Complete Streets)

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	20%	\$	-
TOTAL COST OF STRUCTURES		\$	-

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF	x		=	\$	-	
Acquisition - Commercial Property	SF	x		=	\$	-	
Acquisition of Offsite Mitigation	SF	x		=	\$	-	
Utility Relocation	LS	1	350,000	=	\$	350,000	
Railroad - TCE	LS	x		=	\$	-	
Railroad - Flaggers	LS	x		=	\$	-	
Clearance / Demolition	SF	x		=	\$	-	
Relocation Assistance	LS	x		=	\$	-	
Right of Way Contingency	LS	20%	350,000	=	\$	70,000	
TOTAL RIGHT OF WAY ESTIMATE					\$	420,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

Description: Construct new pedestrian and bicycle overpass to provide another north-south connection. Alignment and scope is TBD.

- From the intersection of Hollister Avenue and Ellwood Station Road to intersection of Calle Real and San Rossano Drive.
- Pedestrian and bicycle bridge spanning Union Pacific Railroad and US 101.
- Signalized intersection with Calle Real.

Scope: Demolition; new roadway; overhead and overcrossing bridges; retaining walls; traffic signal; pavement delineation; railroad coordination; right of way.

Limits: Hollister Avenue to Calle Real.

Estimate Type: Planning (Caltrans)

Estimate Date: 20-Jan-26

Working Days: 240

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 2,293,500	+	1	
Pavement Structural Section	\$ 858,600	+	2	
Drainage	\$ 109,800	+	3	
Specialty Items	\$ 1,513,400	+	4	
Environmental	\$ 975,000	+	5	
Traffic Items	\$ 1,981,300	+	6	
Minor Items	\$ 657,200	+	7	
Roadway Mobilization	\$ 838,900	+	8	
Roadway Contingency	\$ 2,768,400	+	9	
TOTAL ROADWAY COST	\$ 11,996,100	=		
TOTAL STRUCTURES COST	\$ 31,093,900	+	10	
TOTAL CONSTRUCTION COST	\$ 43,090,000	=		
TOTAL RIGHT OF WAY COST	\$ 19,500,000	=	11	
Management Support	\$ 4,309,000	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 4,309,000	+	10%	
PS&E Support	\$ 6,463,500	+	15%	
Right of Way Support	\$ 861,800	+	2%	
Construction Support	\$ 6,894,400	+	16%	
Support Contingency	\$ 6,851,400	+	30%	of Support Costs
TOTAL SUPPORT COST	\$ 29,690,000	=		

Total Estimated Project Costs: \$ 92,300,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	111	x 328.52 = \$	36,466	1
Roadway Excavation (ADL)	CY	1,000	x 332.60 = \$	332,600	2
Imported Borrow	CY	1,630	x 40.00 = \$	65,200	3
Structure Excavation (Retaining Wall)	CY	1,370	x 300.00 = \$	411,000	4
Structure Backfill (Retaining Wall)	CY	1,533	x 325.00 = \$	498,225	5
Clearing & Grubbing	LS	1	x 950,000 = \$	950,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 2,293,500

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	870	x 237.97 = \$	207,034	6
Class 2 Aggregate Base	CY	667	x 295.45 = \$	197,065	7
Slurry Seal	TN		x = \$	-	
Minor Concrete (Miscellaneous Construction)	CY	319	x 1,424.58 = \$	454,441	8,9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 858,600

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	12	x 2,900.00 = \$	34,800	10
Reinforced Concrete Pipe	LF	200	x 375.00 = \$	75,000	11
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 109,800

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF	3,300	x 50.00 = \$	165,000	12
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY	704	x 1,915.28 = \$	1,348,357	13
TOTAL SPECIALTY ITEMS					\$ 1,513,400

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 500,000 = \$	500,000	
Irrigation System	LS	1	x 175,000 = \$	175,000	
Plant Establishment Work	LS	1	x 150,000 = \$	150,000	
Implement Erosion Control	LS	1	x 100,000 = \$	100,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 50,000 = \$	50,000	
TOTAL ENVIRONMENTAL				\$ 975,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS	1	x 985,000 = \$	985,000	14
Signal and Lighting	LS	1	x 956,250 = \$	956,250	15
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 40,000 = \$	40,000	17
TOTAL TRAFFIC ITEMS				\$ 1,981,300	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours				\$	-
Stage Construction and Traffic Handling				\$	-
ADA Items			1.0%	\$	77,316
Other Minor Items			7.5%	\$	579,870
Total of Section 1-6	\$	7,731,600	x 8.5%	= \$	657,186
TOTAL MINOR ITEMS				\$ 657,200	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	8,388,800	x 10%	= \$	838,880
TOTAL MOBILIZATION				\$ 838,900	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	9,227,700	x 30%	= \$	2,768,310
TOTAL CONTINGENCY				\$ 2,768,400	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

SECTION 10: STRUCTURES ITEMS

Name / ID	US 101 Overpass		UPRR Overhead		xxxxxxxxx
Structure Type	CIP/PS Box		PC/PS I		--Select Bridge Type--
Width (Feet) [out to out]	16	LF	16	LF	0 LF
Total Bridge Length	700	LF	950	LF	0 LF
Total Area (Square Feet)	9600	SQFT	8520	SQFT	0 SQFT
Complexity	6		6		5
Unusual Features	2		2		0
Cost Per Square Foot	<u>\$1,200</u>		<u>\$1,200</u>		<u>\$0</u>
COST OF EACH BRIDGE	\$	11,520,000	\$	10,224,000	\$ -

Name / ID	xxxxxxxxx		xxxxxxxxx		xxxxxxxxx
Structure Type	--Select Bridge Type--		--Select Bridge Type--		--Select Bridge Type--
Width (Feet) [out to out]	0	LF	0	LF	0 LF
Total Bridge Length	0	LF	0	LF	0 LF
Total Area (Square Feet)	0	SQFT	0	SQFT	0 SQFT
Complexity	5		5		5
Unusual Features	0		0		0
Cost Per Square Foot	<u>\$0</u>		<u>\$0</u>		<u>\$0</u>
COST OF EACH BRIDGE	\$	-	\$	-	\$ -

TOTAL COST OF BRIDGES	\$	21,744,000
Structures Mobilization Percentage 10%	\$	2,174,400
Structures Contingency Percentage 30%	\$	7,175,520
TOTAL COST OF STRUCTURES	\$	31,093,900

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x = \$	-	
Acquisition - Commercial Property	SF	10,000	x 250.00 = \$	2,500,000	
Acquisition of Offsite Mitigation	SF		x = \$	-	
Utility Relocation	LS	1	x 2,000,000 = \$	2,000,000	
Railroad - TCE	LS	1	x 1,500,000 = \$	1,500,000	
Railroad - Flaggers	LS	1	x 500,000 = \$	500,000	
Clearance / Demolition	SF		x = \$	-	
Relocation Assistance	LS		x = \$	-	
Right of Way Contingency	LS	200%	x 6,500,000 = \$	13,000,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 19,500,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation
 2,000 SF Near Hollister
 Depth of removals
 1.50 feet
 Volume = area * depth
 3,000 CF
 111 CY

RESULT NO. 1 **111**

NOTE NO. 2

Roadway excavation - ADL
 Area
 18,000 SF Adjacent to US 101
 Depth of removals
 1.50 feet
 Volume = area * depth
 27,000 CF
 1,000 CY

RESULT NO. 2 **1,000**

NOTE NO. 3

Import borrow
 22,000 SF
 Average Depth
 2 feet Average - ramp up for intersection
 Volume = width * length * depth
 44,000 CF
 1,630 CY

RESULT NO. 3 **1,630**

NOTE NO. 4

Structure excavation for new Caltrans Type 1-Case 1 retaining wall

	Calle Real	Hollister Avenue
Lengths	1,000 feet	100 feet
	<u>0 feet</u>	<u>100 feet</u>
Total wall	1,000 feet	200 feet
Height of grade over toe	2 feet	2 feet
Height of grade over heel	2 feet	2 feet
Footing depth	1.33 feet	1.33 feet
Average depth	3.33 feet	3.33 feet
Footing width	7.25 feet	7.25 feet
Total width	9.25 feet	9.25 feet
Volume / foot	30.8 CF/foot	30.8 CF/foot
Volume	30,833 CF	6,167 CF
	1,142 CY	228 CY

RESULT NO. 4 **1,370**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

NOTES AND CALCULATIONS

NOTE NO. 5

Structure backfill for new Caltrans Type 1-Case 1 retaining wall

	Calle Real	Hollister Avenue
Lengths	1,000 feet	100 feet
	<u>0 feet</u>	<u>100 feet</u>
Total wall	1,000 feet	200 feet
Retained height	6 feet	6 feet
Footing width	7 feet	7 feet
Footing toe width	2.25 feet	2.25 feet
Footing toe cover	2 feet	2 feet
Footing heel width	2.5 feet	2.5 feet
Footing heel cover	8 feet	8 feet
Volume / foot	34.5 CF/foot	34.5 CF/foot
Volume	34,500 CF	6,900 CF
	1,278 CY	256 CY

RESULT NO. 5 **1,533**

NOTE NO. 6

AC pavement

16,000 SF	Calle Real
2,000 SF	Hollister

Depth

0.67 feet

Tonnage = area * depth * 145lbs/CF / 2000lbs/TN

870 TN

RESULT NO. 6 **870**

NOTE NO. 7

Aggregate base

Area (from CAD)

16,000 SF	Calle Real
2,000 SF	Hollister

Depth

1.00 feet

Volume = area * depth

18,000 CF

667 CY

RESULT NO. 7 **667**

NOTE NO. 8

Concrete sidewalk

Length

1 x	400 =	400 feet	Calle Real connection
1 x	600 =	600 feet	Hollister Avenue connection

Total 1000 feet

Width 14 feet

Thickness 6 inches

Volume 7000 CF

259 CY

RESULT NO. 8 **259**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

NOTES AND CALCULATIONS

NOTE NO. 9

Caltrans A2-6 curb and gutter

Length

1 x	400 =	400 feet	Calle Real connection
1 x	600 =	600 feet	Hollister Avenue connection

Total

1000 feet

Volume / foot

0.06 CY/foot

Volume

60 CY

RESULT NO. 9

60

NOTE NO. 10

Minor Concrete (Minor Structure)

New drop inlets

4 each

Depth of drop inlets

5 feet

Drop inlet volume - Caltrans OL-10

Volume / foot

2.39 CY (3 feet deep)

0.28 CY/each additional foot of depth up to 8 feet

Volume

12 CY

RESULT NO. 10

12

NOTE NO. 11

Reinforced concrete pipe

200 feet

RESULT NO. 11

200

NOTE NO. 12

Chain link fence and railing on bridge

US 101 and UPRR chain link fence

2 ea

1,650 feet

Total

3300 feet

RESULT NO. 12

3,300

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-05 Ellwood Station Overcrossing (US 101) and Overhead (UPRR)

NOTES AND CALCULATIONS

NOTE NO. 13

New Caltrans Type 1-Case 1 retaining wall

	Calle Real	Hollister Avenue
Lengths	1,000 feet	100 feet
	<u>0 feet</u>	<u>100 feet</u>
Total wall	1,000 feet	200 feet
Retained height	6 feet	6 feet
Stem batter	24 :1	24 :1
Stem top width	11.5 inches	11.5 inches
Stem bottom width	14.5 inches	14.5 inches
Stem volume / foot	6.5 CF/foot	6.5 CF/foot
Footing width	7 feet	7 feet
Footing depth	1.33 feet	1.33 feet
Footing volume / foot	9.33 CF/foot	9.33 CF/foot
Volume / foot	15.8 CF/foot	15.8 CF/foot
Volume	15,833 CF 586 CY	3,167 CF 117 CY

RESULT NO. 13 **704**

NOTE NO. 14

New street lights
 32 each
 Cost per street light
 \$ 30,000
 Total lights
 \$ 960,000
 Connection
 \$ 25,000

RESULT NO. 15 **\$ 985,000**

NOTE NO. 15

Signal and Lighting
 Scale: Major
 Legs: 3
 Cost: \$525,000

 Scale: Minor
 Legs: 3
 Cost: \$431,250

RESULT NO. 16 **\$ 956,250**

NOTE NO. 16

Permanent Pavement Delineation
 Cost \$40,000

RESULT NO. 17 **\$ 40,000**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-09 Phelps Road Extension

Description: Extend Phelps Road from Mesa Road to Los Carneros Road. Widen existing Mesa Road to the north; construct sidewalk; landscape strip; construct Class I facility.

- Link improved Phelps Road with existing Phelps Road within county jurisdiction by removing gate and extending roadway cross-section.
- Install traffic signal at Bayberry Lane for “Day-Care” center.
- Restripe Phelps Road for 11-foot lanes and 4-foot bike lanes.

Scope: Demolition; widen pavement; concrete curb, gutter, sidewalk, etc.; traffic signal; pavement delineation and slurry seal; right of way.

Limits: Storke Road to Los Carneros Road

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 120

	<u>Current Year Costs</u>		<u>Section</u>
Earthwork	\$ 653,500	+	1
Pavement Structural Section	\$ 1,220,100	+	2
Drainage	\$ -	+	3
Specialty Items	\$ 111,000	+	4
Environmental	\$ 201,100	+	5
Traffic Items	\$ 550,000	+	6
Minor Items	\$ 164,200	+	7
Roadway Mobilization	\$ 290,000	+	8
Roadway Contingency	\$ 638,000	+	9
TOTAL ROADWAY COST	\$ 3,827,900	=	
TOTAL STRUCTURES COST	\$ -	+	10
TOTAL CONSTRUCTION COST	\$ 3,828,000	=	

TOTAL RIGHT OF WAY COST \$ 12,511,000 = 11

Management Support	\$ 382,800	+	10%
PA&ED Support	\$ 382,800	+	10%
PS&E Support	\$ 574,200	+	15%
Right of Way Support	\$ 76,600	+	2%
Construction Support	\$ 612,500	+	16%
Support Contingency	\$ 405,800	+	20%
TOTAL SUPPORT COST	\$ 2,435,000	=	

Management Support PA&ED Support PS&E Support Construction Support	of Construction Costs
Right of Way Support Support Contingency	of Support Costs

Total Estimated Project Costs: \$ 18,800,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-09 Phelps Road Extension

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	5,522	x 110.00 = \$	607,420	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x =	1/15/2026	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS		x = \$	-	
TOTAL EARTHWORK SECTION ITEMS					\$ 653,500

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	711	x 418.28 = \$	297,397	2
Class 2 Aggregate Base	CY	544	x 295.45 = \$	160,725	3
Slurry Seal	TN	41	x 2,700.00 = \$	110,700	4
Minor Concrete (Miscellaneous Construction)	CY	786	x 828.49 = \$	651,193	5
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,220,100

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF	1,850	x 60.00 = \$	111,000	6
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ 111,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-09 Phelps Road Extension

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 100,000 = \$	100,000	
Irrigation System	LS	1	x 25,000 =	1/15/2026	
Plant Establishment Work	LS	1	x 20,000 = \$	20,000	
Implement Erosion Control	LS	1	x 15,000 = \$	15,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 20,000 = \$	20,000	
TOTAL ENVIRONMENTAL				\$ 201,100	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 550,000 = \$	550,000	7
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS		x = \$	-	
TOTAL TRAFFIC ITEMS				\$ 550,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours				\$	-
Stage Construction and Traffic Handling			1.0%	\$	27,357
ADA Items			1.0%	\$	27,357
Other Minor Items			4.0%	\$	109,428
Total of Section 1-6	\$	2,735,700	x 6.0%	= \$	164,142
TOTAL MINOR ITEMS				\$ 164,200	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	2,899,900	x 10%	= \$	289,990
TOTAL MOBILIZATION				\$ 290,000	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	3,189,900	x 20%	= \$	637,980
TOTAL CONTINGENCY				\$ 638,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-09 Phelps Road Extension

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxx	xxxxxxxx	xxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	#### --Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxx	xxxxxxxx	xxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	59,577	x 150.00 =	\$ 8,936,612	8
Acquisition - Commercial Property	SF		x =	\$ -	
Acquisition of Offsite Mitigation	SF		x =	\$ -	
Utility Relocation	LS		x =	\$ -	
Railroad - TCE	LS		x =	\$ -	
Railroad - Flaggers	LS		x =	\$ -	
Clearance / Demolition	SF		x =	\$ -	
Relocation Assistance	LS		x =	\$ -	
Right of Way Contingency	LS	40%	x 8,936,612 =	\$ 3,574,645	
TOTAL RIGHT OF WAY ESTIMATE				\$ 12,511,300	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-09 Phelps Road Extension

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway Excavation (areas from CAD)

71400 SF Phelps eastern terminus and north of Mesa
 13800 SF #####

Depth of removals

1.75 feet

Volume = area * depth

149,100 CF

5,522 CY

RESULT NO. 1

5,522

NOTE NO. 2

Hot Mix Asphalt

Area (from CAD)

14700 SF Mesa widening and new intersection of Mesa and Phelps

Depth

0.67 feet

Tonnage = area * depth * 145lbs/CF / 2000lbs/ton

711 ton

RESULT NO. 2

711

NOTE NO. 3

Aggregate Base

Area (from CAD)

14700 SF New Pavement

Depth

1.00 feet

Volume = area * depth

14700 CF

544 CY

RESULT NO. 3

544

NOTE NO. 4

Slurry seal

Area (from CAD) of entire Phelps Extension

61000 SF

Coverage rate (Caltrans)

1500 SF/ton

Tonnage = area / coverage rate

41 ton

RESULT NO. 4

41

NOTE NO. 5

Minor concrete (miscellaneous construction)

New Sidewalks and Class I

South Side 12500 SF

North Side 32200 SF

Depth of Concrete

0.33 feet

Total Concrete = Area * Depth

14900 CF

552 CY

Concrete Curb and Gutter Type A2-6 per Caltrans

Volume per linear feet

0.05903 CY/LF

Curb and Gutter Length

South Side 2100 feet

North Side 1870 feet

Total Concrete = Volume per length * length

234 CY

RESULT NO. 5

786

**City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)**

R-09 Phelps Road Extension

NOTES AND CALCULATIONS

NOTE NO. 6

Chain link fence
1850 feet along Class I

RESULT NO. 6 **1850**

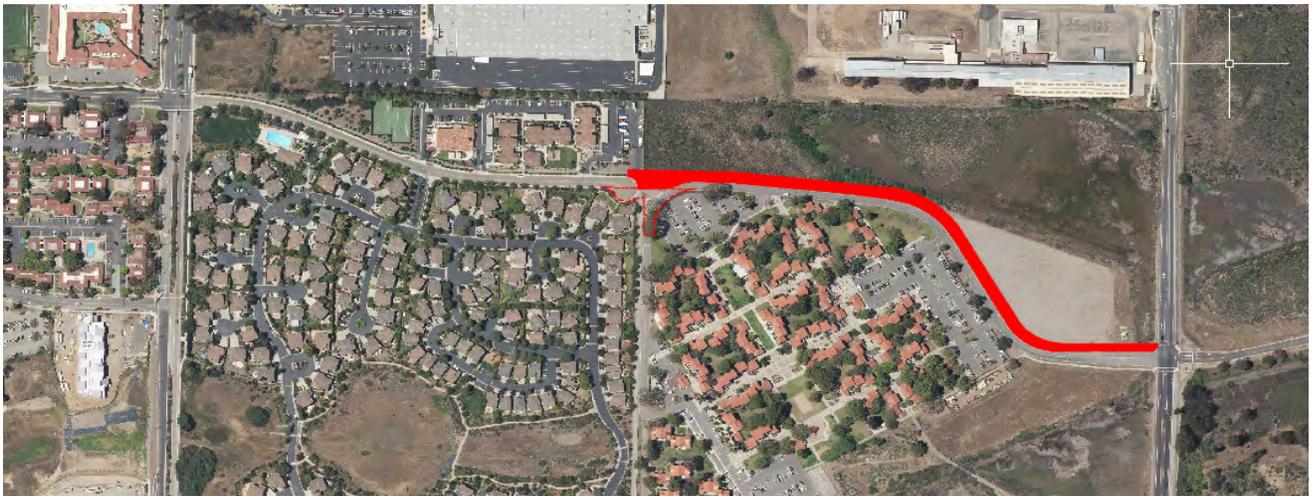
NOTE NO. 7

Signalized Intersection
1 x \$550,000

RESULT NO. 7 **\$ 550,000**

NOTE NO. 8

Right of way acquisition



59577 SF widening to the north requires ROW

RESULT NO. 8 **59577**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

- Description:
- Construct an auxiliary lane on US 101 NB between Los Carneros Road and Glen Annie Road and Storke Road.
 - Widen freeway pavement to the north and construct retaining walls along north edge of pavement.
 - Construction of retaining walls along north side of US 101.
 - Add second lane on off-ramp.

Scope: Demolition; pavement widening; retaining walls; pavement delineation.

Limits: Storke Road to Los Carneros Road

Estimate Type: Planning (Caltrans)

Estimate Date: 15-Jan-26

Working Days: 240

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 3,629,700	+	1	
Pavement Structural Section	\$ 1,411,800	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ 2,178,000	+	4	
Environmental	\$ 925,000	+	5	
Traffic Items	\$ 375,000	+	6	
Minor Items	\$ 852,000	+	7	
Roadway Mobilization	\$ 937,200	+	8	
Roadway Contingency	\$ 3,092,700	+	9	
TOTAL ROADWAY COST	\$ 13,401,400	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 13,401,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 1,340,100	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 1,340,100	+	10%	
PS&E Support	\$ 2,010,200	+	15%	
Right of Way Support	\$ 268,100	+	2%	
Construction Support	\$ 2,144,200	+	16%	
Support Contingency	\$ 2,130,900	+	30%	of Support Costs
TOTAL SUPPORT COST	\$ 9,234,000	=		

Total Estimated Project Costs: \$ 22,650,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	1,545	x 160.00 = \$	247,200	2
Roadway Excavation (ADL)	CY	3,604	x 464.86 = \$	1,675,355	3
Imported Borrow	CY	231	x 90.00 = \$	20,790	4
Structure Excavation (Retaining Wall)	CY	2,285	x 300.00 = \$	685,500	5
Structure Backfill (Retaining Wall)	CY	1,541	x 325.00 = \$	500,825	6
Clearing & Grubbing	LS	1	x 500,000 = \$	500,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 3,629,700

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	4,007	x 237.97 = \$	953,546	7
Class 2 Aggregate Base	CY	3,412	x 134.30 = \$	458,232	8
Slurry Seal	TN		x = \$	-	
Minor Concrete (Miscellaneous Construction)	CY		x = \$	-	
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,411,800

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	19,600	x 50.00 = \$	980,000	12
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF	350	x 22.04 = \$	7,714	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF	1,000	x 214.48 = \$	214,480	9
Structural Concrete, Retaining Wall	CY	870	x 1,121.58 = \$	975,775	10
TOTAL SPECIALTY ITEMS					\$ 2,178,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 500,000 = \$	500,000	
Irrigation System	LS	1	x 150,000 = \$	150,000	
Plant Establishment Work	LS	1	x 125,000 = \$	125,000	
Implement Erosion Control	LS	1	x 100,000 = \$	100,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 50,000 = \$	50,000	
TOTAL ENVIRONMENTAL				\$ 925,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LB	25,000	x 10.00 = \$	250,000	
CIDH Pile (Sign Foundation)	LF	25	x 1,000.00 = \$	25,000	11
Remove Sign Structure	EA		x = \$	-	
Permanent Pavement Delineation	LS	1	x 100,000 = \$	100,000	
TOTAL TRAFFIC ITEMS				\$ 375,000	

SECTION 7: MINOR ITEMS	Notes				
Traffic Management Plan and Detours			5.0%	\$ 425,975	
Stage Construction and Traffic Handling			2.0%	\$ 170,390	
ADA Items				\$ -	
Other Minor Items			3.0%	\$ 255,585	
Total of Section 1-6	\$	8,519,500	x 10.0% = \$	851,950	
TOTAL MINOR ITEMS				\$ 852,000	

SECTIONS 8: MOBILIZATION					
Total Section 1-7	\$	9,371,500	x 10%	= \$ 937,150	
TOTAL MOBILIZATION				\$ 937,200	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8	\$	10,308,700	x 30%	= \$ 3,092,610	
TOTAL CONTINGENCY				\$ 3,092,700	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES		\$	-
Structures Mobilization Percentage	10%	\$	-
Structures Contingency Percentage	30%	\$	-
TOTAL COST OF STRUCTURES		\$	-

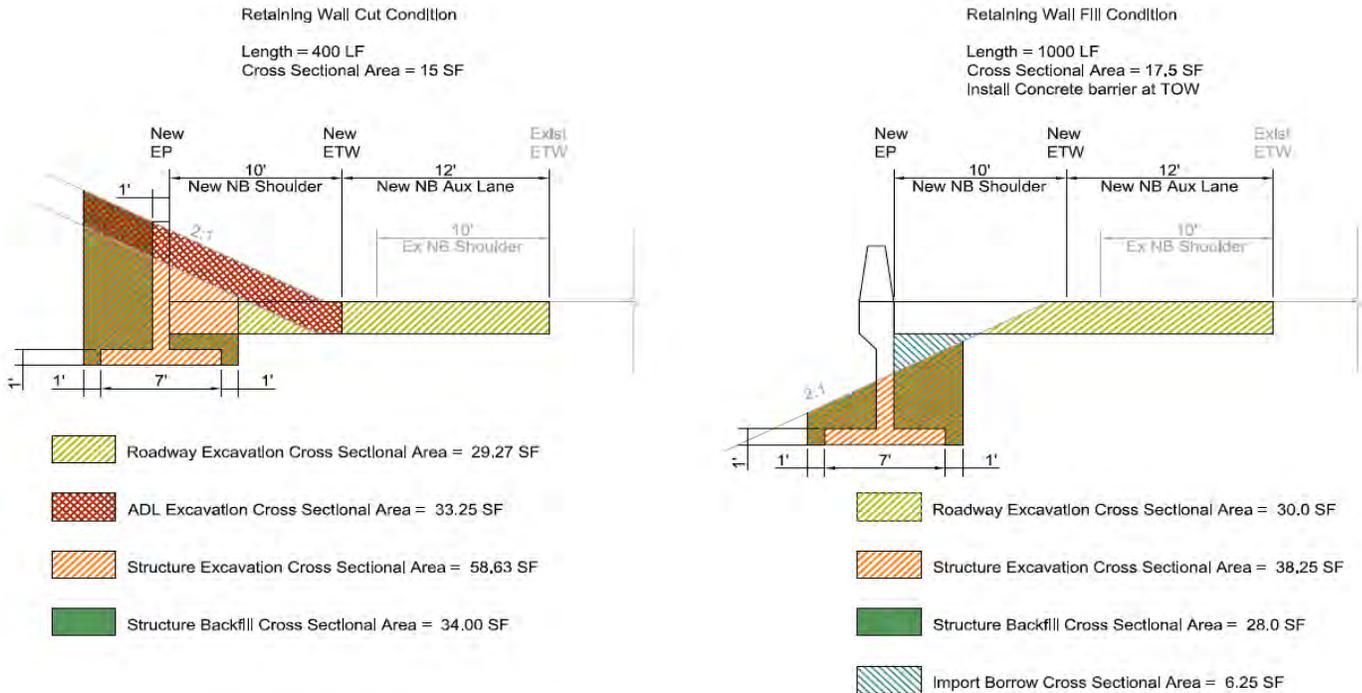
SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	=	\$	Cost	Notes
Acquisition - Residential Property	SF	x		=	\$	-	
Acquisition - Commercial Property	SF	x		=	\$	-	
Acquisition of Offsite Mitigation	SF	x		=	\$	-	
Utility Relocation	LS	x		=	\$	-	
Railroad - TCE	LS	x		=	\$	-	
Railroad - Flaggers	LS	x		=	\$	-	
Clearance / Demolition	SF	x		=	\$	-	
Relocation Assistance	LS	x		=	\$	-	
Right of Way Contingency	LS	30%	x	0	\$	-	
TOTAL RIGHT OF WAY ESTIMATE					\$	-	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

NOTES AND CALCULATIONS

NOTE NO. 1



NOTE NO. 2

Roadway excavation		Fill Condition	
<u>Cut Condition</u>		<u>Fill Condition</u>	
Area	29.27 SF	Area	30 SF
Length	400 LF	Length	1000 LF
Vol = Area * Length		Vol = Area * Length	
	434 CY		1111 CY

RESULT NO. 2 **1545**

NOTE NO. 3

Roadway excavation (ADL)

<u>Cut Condition</u>	
Area	33.25 SF
Length	400 LF
Vol = Area * Length	
	493 CY

Ramp Widening for Second Lane

Area	42000 SF
Depth	2 LF
Vol = Area * Length	
	3111 CY

Total	3604 CY
-------	---------

RESULT NO. 3 **3604**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

NOTES AND CALCULATIONS

NOTE NO. 4

Import borrow

Fill Condition

Area 6.25 SF

Length 1000 LF

Vol = Area * Length

231 CY

RESULT NO. 4

231

NOTE NO. 5

Structure excavation

Cut Condition

Area 58.63 SF

Length 400 LF

Vol = Area * Length

869 CY

Fill Condition

Area 38.25 SF

Length 1000 LF

Vol = Area * Length

1417 CY

RESULT NO. 5

2285

NOTE NO. 6

Structure backfill

Cut Condition

Area 34 SF

Length 400 LF

Vol = Area * Length

504 CY

Fill Condition

Area 28 SF

Length 1000 LF

Vol = Area * Length

1037 CY

RESULT NO. 6

1541

NOTE NO. 7

AC Pavement area (from CAD)

73700 SF

Depth

0.75 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton

4007 ton

RESULT NO. 7

4007

NOTE NO. 8

Aggregate base area (from CAD)

73700 SF

Depth

1.25 feet

Volume = (Sum of Areas) * Depth

92125 CF

3412 CY

RESULT NO. 8

3412

NOTE NO. 9

Concrete barrier

Length

1000 LF

RESULT NO. 9

1000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-10 US 101 Northbound Auxiliary Lane (North Segment)

NOTES AND CALCULATIONS

NOTE NO. 10

Structural concrete, retaining wall

<u>Cut Condition</u>	<u>Fill Condition</u>
Area 15 SF	Area 17.5 SF
Length 400 LF	Length 1000 LF
Vol = Area * Length	Vol = Area * Length
222 CY	648 CY

RESULT NO. 10 870

NOTE NO. 11

CIDH pile (sign structure)

25 feet Relocate overhead sign. Foundation only.

RESULT NO. 11 25

NOTE NO. 12

Soundwall at R/W NB only

1,400 feet Length
 14 feet Height
 19,600 feet Relocate overhead sign. Foundation only.

RESULT NO. 12 19600

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

Description: Construct auxiliary lanes on US 101 NB and SB.
 For northbound auxiliary lane:
 • Widening on north side of US 101 between freeway and Calle Real.
 • Construct retaining walls on north side of US 101 to avoid right of way takes.
 • Extend culverts under US 101 at Las Vegas and San Pedro Creeks.
 For southbound auxiliary lane:
 • Widening on south side of US 101 between freeway and UPRR.
 • Extend culverts under US 101 at Las Vegas and San Pedro Creeks.
 Scope: Demolition; pavement widening; retaining wall; pavement delineation.

Limits: Los Carneros Road to Fairview Avenue.

Estimate Type: Planning (Caltrans)

Estimate Date: 15-Jan-26

Working Days: 200

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 2,924,000	+	1	
Pavement Structural Section	\$ 2,897,800	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ 4,202,100	+	4	
Environmental	\$ 990,000	+	5	
Traffic Items	\$ 50,000	+	6	
Minor Items	\$ 663,900	+	7	
Roadway Mobilization	\$ 1,172,800	+	8	
Roadway Contingency	\$ 3,870,200	+	9	
TOTAL ROADWAY COST	\$ 16,770,800	=		
TOTAL STRUCTURES COST	\$ 2,665,800	+	10	
TOTAL CONSTRUCTION COST	\$ 19,437,000	=		
TOTAL RIGHT OF WAY COST	\$ 650,000	=	11	
Management Support	\$ 1,943,700	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 1,943,700	+	10%	
PS&E Support	\$ 2,915,600	+	15%	
Right of Way Support	\$ 388,800	+	2%	
Construction Support	\$ 3,110,000	+	16%	
Support Contingency	\$ 3,090,600	+	30%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 13,393,000	=		

Total Estimated Project Costs: \$ 33,500,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	10,884	x 71.00 = \$	772,764	2
Roadway Excavation (ADL)	CY	1,666	x 332.60 = \$	554,112	3
Imported Borrow	CY	9,107	x 20.00 = \$	182,140	4
Structure Excavation (Retaining Wall)	CY	1,686	x 300.00 = \$	505,800	5
Structure Backfill (Retaining Wall)	CY	1,259	x 325.00 = \$	409,175	6
Clearing & Grubbing	LS	1	x 500,000 = \$	500,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 2,924,000

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	12,760	x 174.42 = \$	2,225,599	7
Class 2 Aggregate Base	CY	6,519	x 103.10 = \$	672,109	8
Slurry Seal	TN		x = \$	-	
Minor Concrete (Miscellaneous Construction)	CY		x = \$	-	
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 2,897,800

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF	70,000	x 35.00 = \$	2,450,000	13
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF	700	x 22.04 = \$	15,428	9
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF	900	x 50.50 = \$	45,450	10
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF	5,000	x 149.01 = \$	745,050	
Structural Concrete, Retaining Wall	CY	494	x 1,915.28 = \$	946,148	11
TOTAL SPECIALTY ITEMS					\$ 4,202,100

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x 50,000 = \$	50,000	
Highway Planting	LS	1	x 500,000 = \$	500,000	
Irrigation System	LS	1	x 150,000 = \$	150,000	
Plant Establishment Work	LS	1	x 125,000 = \$	125,000	
Implement Erosion Control	LS	1	x 100,000 = \$	100,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 65,000 = \$	65,000	
TOTAL ENVIRONMENTAL				\$ 990,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LB	25,000	x 0.00 = \$	-	
CIDH Pile (Sign Foundation)	LF	25	x 0.00 = \$	-	12
Remove Sign Structure	EA	2	x 0.00 = \$	-	
Permanent Pavement Delineation	LS	1	x 50,000 = \$	50,000	
TOTAL TRAFFIC ITEMS				\$ 50,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			\$ -	
Stage Construction and Traffic Handling			3.0% \$ 331,917	
ADA Items			\$ -	
Other Minor Items			3.0% \$ 331,917	
Total of Section 1-6	\$	11,063,900	x 6.0% = \$ 663,834	
TOTAL MINOR ITEMS				\$ 663,900

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	11,727,800	x 10% = \$ 1,172,780	
TOTAL MOBILIZATION				\$ 1,172,800

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	12,900,600	x 30% = \$ 3,870,180	
TOTAL CONTINGENCY				\$ 3,870,200

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

SECTION 10: STRUCTURES ITEMS

Name / ID	Las Vegas Cr Widen	San Pedro Cr N Widen	San Pedro Cr S Widen
Structure Type	RC Box	RC Box	RC Box
Width (Feet) [out to out]	12 LF	12 LF	12 LF
Total Bridge Length	105 LF	110 LF	110 LF
Total Area (Square Feet)	1260 SQFT	1320 SQFT	1320 SQFT
Complexity	5	5	5
Unusual Features	4	4	4
Cost Per Square Foot	\$478	\$478	\$478
COST OF EACH BRIDGE	\$ 602,280	\$ 630,960	\$ 630,960

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ 1,864,200
Structures Mobilization Percentage 10%	\$ 186,420
Structures Contingency Percentage 30%	\$ 615,186
TOTAL COST OF STRUCTURES	\$ 2,665,800

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	1	x 250,000	= \$ 250,000	
Railroad - Flaggers	LS	1	x 250,000	= \$ 250,000	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	30%	x 500,000	= \$ 150,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 650,000	

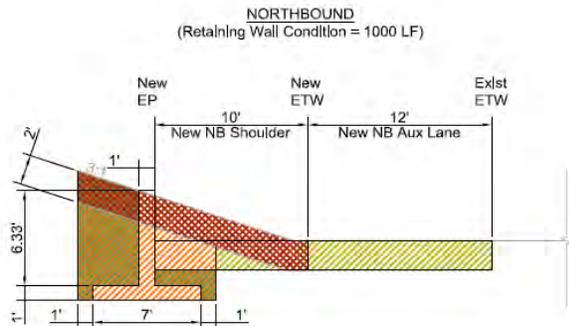
City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

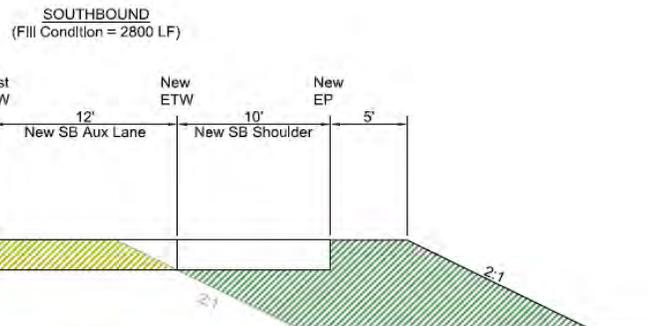
NOTES AND CALCULATIONS

NOTE NO. 1

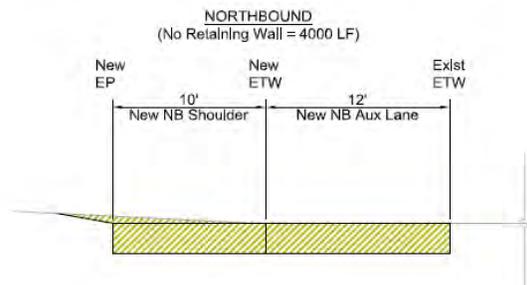
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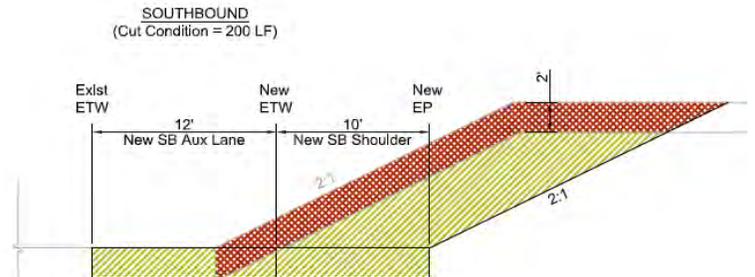
- Roadway Excavation Cross Sectional Area = 27.64 SF
- ADL Excavation Cross Sectional Area = 31.50 SF
- Structure Excavation Cross Sectional Area = 45.53 SF
- Structure Backfill Cross Sectional Area = 34.00 SF



- Roadway Excavation Cross Sectional Area = 20.00 SF
- ADL Excavation Cross Sectional Area = 31.50 SF
- Import Borrow Cross Sectional Area = 87.82 SF



- Roadway Excavation Cross Sectional Area = 46.92 SF



- Roadway Excavation Cross Sectional Area = 112.68 SF
- ADL Excavation Cross Sectional Area = 67.45 SF

NOTE NO. 2

(Roadway Excavation Numbers from Note 1)

Northbound

- (2.1) Ret. Wall Condition - Cross Sectional Area
27.64 SF
- (2.2) Length of Wall
1000 feet
- (2.3) No Ret. Wall - Cross Sectional Area
46.92 SF
- (2.4) Length without Ret Wall
4000 feet
- Volume = (2.1) * (2.2) + (2.3) * (2.4)
215320 CF
7975 CY

Southbound

- (2.5) Fill Condition - Cross Sectional Area
20 SF
- (2.6) Length in Fill Condition
2800 feet
- (2.7) Cut Condition - Cross Sectional Area
112.68 SF
- (2.4) Length in Cut Condition
200 feet
- Volume = (2.5) * (2.6) + (2.7) * (2.8)
78536 CF
2909 CY

RESULT NO. 2

10884

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

NOTES AND CALCULATIONS

NOTE NO. 3

(ADL Excavation Numbers from Note 1)

Northbound

(3.1) Ret. Wall Condition - Cross Sectional Area

31.5 SF

(3.2) Length of Wall

1000 feet

Volume = (3.1) * (3.2)

31500 CF

1167 CY

Southbound

(3.3) Cut Condition - Cross Sectional Area

67.45 SF

(3.4) Length in Cut Condition

200 feet

Volume = (3.3) * (3.4)

13490 CF

500 CY

RESULT NO. 3

1666

NOTE NO. 4

(Imported Borrow Numbers from Note 1)

Southbound Fill Condition - Cross Sectional Area

87.82 SF

Length of Fill Condition

2800 feet

Volume = Area * Length

245896 CF

9107 CY

RESULT NO. 4

9107

NOTE NO. 5

(Structure Excavation Numbers from Note 1)

Northbound Ret. Wall Condition - Cross Sectional Area

45.53 SF

Length of Wall

1000 feet

Volume = Area * Length

45530 CF

1686 CY

RESULT NO. 5

1686

NOTE NO. 6

(Structure Backfill Numbers from Note 1)

Northbound Ret. Wall Condition - Cross Sectional Area

34 SF

Length of Wall

1000 feet

Volume = Area * Length

34000 CF

1259.26 CY

RESULT NO. 6

1259

NOTE NO. 7

AC pavement area (from CAD)

176000 SF

Depth

1.00 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton

12760 ton

RESULT NO. 7

12760

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-11 US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

NOTES AND CALCULATIONS

NOTE NO. 8

Aggregate base area (from CAD)
 176000 SF
 Depth
 1.00 feet
 Volume = Area * Depth
 176000 CF
 6519 CY

RESULT NO. 8 **6519**

NOTE NO. 9

Remove guard rail
 600 feet NB guard rail protecting overhead sign
 100 feet SB guard rail protecting San Pedro Creek culvert

RESULT NO. 9 **700**

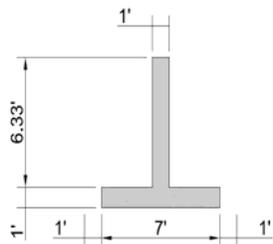
NOTE NO. 10

Install guard railing before creek structures
 Creek structure approaches
 3 EA
 100 feet/EA
 Guarding NB Los Carneros Overhead
 600 feet

RESULT NO. 10 **900**

NOTE NO. 11

Structural Concrete - NB Ret Wall
 Wall Cross Sectional Area
 13.33 SF
 Length of Wall
 1000 feet
 Volume = Area * Length
 13330 CF
 494 CY



Cross Sectional Area of Wall = 13.33 SF

RESULT NO. 11 **494**

NOTE NO. 12

CIDH pile (sign structure)
 25 feet Relocate overhead sign. Foundation only.

RESULT NO. 12 **25**

NOTE NO. 13

Soundwall at R/W NB only
 5,000 feet Length
 14 feet Height
 70,000 feet Relocate overhead sign. Foundation only.

RESULT NO. 13 **70000**

NOTE NO. 14

Concrete barrier at base of sound wall
 Length
 5000 LF

RESULT NO. 14 **5000**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

Description: • Widen Storke Road from Phelps Road to southern city limits. Complete remaining widening of Storke Road to convert it into a 4 lane roadway with bicycle lanes and sidewalks on both directions.
 • Reduce width of planted median.
 • Reduce width of existing travel lanes.
 • Sidewalk on eastside of Storke Road adjacent to road
 • Sidewalk on west side separated from road.

Scope: Demolition; pavement widening; concrete curb, gutter, sidewalk, etc.; retaining wall; pavement delineation.

Limits: Phelps Road to City Limit

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 100

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 822,800	+	1	
Pavement Structural Section	\$ 915,800	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ 747,000	+	4	
Environmental	\$ 100,000	+	5	
Traffic Items	\$ 20,000	+	6	
Minor Items	\$ 156,400	+	7	
Roadway Mobilization	\$ 276,200	+	8	
Roadway Contingency	\$ 607,700	+	9	
TOTAL ROADWAY COST	\$ 3,645,900	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 3,646,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 364,600	+	10%	of Construction Costs
PA&ED Support	\$ 364,600	+	10%	
PS&E Support	\$ 546,900	+	15%	
Right of Way Support	\$ 73,000	+	2%	
Construction Support	\$ 583,400	+	16%	of Support Costs
Support Contingency	\$ 386,500	+	20%	
TOTAL SUPPORT COST	\$ 2,319,000	=		

Total Estimated Project Costs: \$ 6,000,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	2,992	x 160.00 = \$	478,720	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	155	x 90.00 = \$	13,950	3
Structure Excavation (Retaining Wall)	CY	313	x 450.00 = \$	140,850	4
Structure Backfill (Retaining Wall)	CY	204	x 560.00 = \$	114,240	5
Clearing & Grubbing	LS	1	x 75,000 = \$	75,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 822,800

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,832	x 237.97 = \$	435,961	6
Class 2 Aggregate Base	CY	1,404	x 134.30 = \$	188,557	7
Slurry Seal	TN	1	x 3,507.95 = \$	3,508	8
Minor Concrete (Miscellaneous Construction)	CY	202	x 1,424.58 = \$	287,765	9
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 915,800

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY	390	x 1,915.28 = \$	746,959	10
TOTAL SPECIALTY ITEMS					\$ 747,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 40,000 = \$	40,000	
Irrigation System	LS	1	x 10,000 = \$	10,000	
Plant Establishment Work	LS	1	x 10,000 = \$	10,000	
Implement Erosion Control	LS	1	x 15,000 = \$	15,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 25,000 = \$	25,000	
TOTAL ENVIRONMENTAL				\$ 100,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 20,000 = \$	20,000	
TOTAL TRAFFIC ITEMS				\$ 20,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			3.0%	\$ 78,168
Stage Construction and Traffic Handling				\$ -
ADA Items			1.0%	\$ 26,056
Other Minor Items			2.0%	\$ 52,112
Total of Section 1-6	\$	2,605,600	x 6.0%	= \$ 156,336
TOTAL MINOR ITEMS				\$ 156,400

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	2,762,000	x 10%	= \$ 276,200
TOTAL MOBILIZATION				\$ 276,200

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	3,038,200	x 20%	= \$ 607,640
TOTAL CONTINGENCY				\$ 607,700

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)

37900 SF	Widenings
4180 SF	Curb
6389 SF	Sidewalks

Depth
 1.67 feet

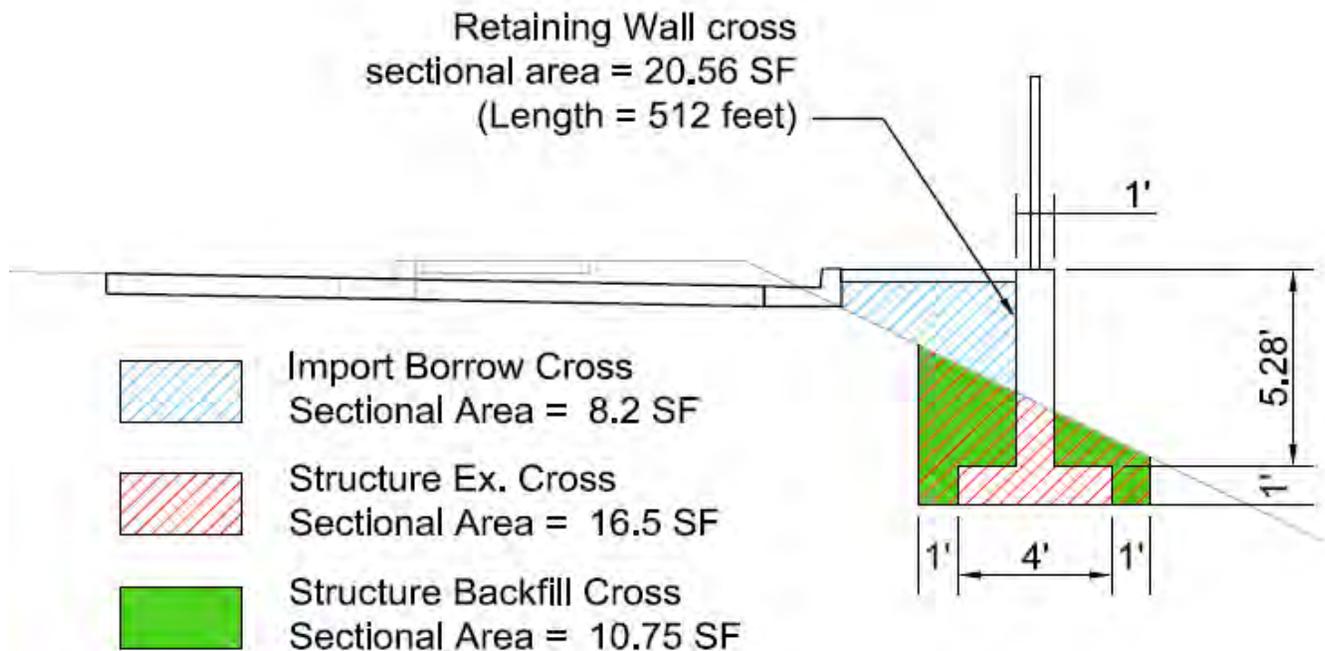
Volume = (Sum of Areas) * Depth

80782 CF	
2992 CY	

RESULT NO. 1

2992

NOTE NO. 2



RESULT NO. 2

Information Only

NOTE NO. 3

Imported Borrow
 Area (from CAD)
 8 SF

Length
 512 feet

Volume = Area * Length

4198 CF	
155 CY	

RESULT NO. 3

155

NOTE NO. 4

Structure Excavation
 Area (from CAD)

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

NOTES AND CALCULATIONS

17 SF
 Length of Wall
 512 feet
 Volume = Area * Length
 8448 CF
 313 CY

RESULT NO. 4 **313**

NOTE NO. 5

Structure Backfill
 Cross Sectional Area
 11 SF
 Length of Wall
 512 feet
 Volume = Area * Length
 5504 CF
 204 CY

RESULT NO. 5 **204**

NOTE NO. 6

AC Pavement
 Widening area (from CAD)
 37900 SF
 Depth
 0.67 feet
 Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton
 1832 ton

RESULT NO. 6 **1832**

NOTE NO. 7

Aggregate base
 Area (from CAD)
 37900 SF Widenings
 Depth
 1.00 feet
 Volume = (Sum of Areas) * Depth
 37900 CF
 1404 CY

RESULT NO. 7 **1404**

NOTE NO. 8

Slurry seal
 Seal Existing northbound lane and left turn pocket between Whittier and Willowgrove

Area (CAD) 1682.26 SF

Tonnage = area / 1500SF/TN 1.12 TN

RESULT NO. 8 **1**

NOTE NO. 9

Minor concrete (miscellaneous construction)	
<u>Concrete Sidewalks</u>	<u>Concrete Curb and Gutter Type A2-6 per Caltrans</u>
Sidewalks Plan Area (from CAD)	Volume / foot
6389 SF	0.05903 CY/foot
Depth	Length

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-12 Storke Road

NOTES AND CALCULATIONS

0.33 feet
Volume = Area * Depth
2130 CF
79 CY

444 feet Westerly Curb
1415 feet Easterly curb north of Willowgrove Dr
227 feet Easterly curb south of Willowgrove Dr
Volume = length * volume / foot
123 CY

RESULT NO. 9 **202**

NOTE NO. 10

Retaining Wall
Cross Sectional Area (from CAD)
21 SF
Length
512 feet
Volume = Area * Length
10527 CF
390 CY

RESULT NO. 10 **390**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-13 Los Carneros Way Realignment

Description: Realign Los Carneros Way to make a new intersection with Los Carneros Road and Karl Storz Drive. New four lane highway road with bicycle lanes and sidewalks on each direction.

- Realignment of northern 500 feet of Los Carneros Way to the east aligning with Karl Storz Drive.
- Removal of existing Los Carneros Way pavement.
- Modification of medians on Los Carneros Way.

Scope: Demolition; roadway and pavement construction; concrete curb, gutter, sidewalk; pavement delineation and slurry seal; drainage; traffic signal and interconnect; right of way.

Limits: Intersection of Calle Koral and Camino Vista and Los Carneros Way south leg.

Estimate Type: Planning (City)

Estimate Date: 16-Jan-26

Working Days: 120

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 1,176,100	+	1	
Pavement Structural Section	\$ 1,010,700	+	2	
Drainage	\$ 101,100	+	3	
Specialty Items	\$ -	+	4	
Environmental	\$ 501,100	+	5	
Traffic Items	\$ 900,000	+	6	
Minor Items	\$ 295,200	+	7	
Roadway Mobilization	\$ 398,500	+	8	
Roadway Contingency	\$ 876,600	+	9	
TOTAL ROADWAY COST	\$ 5,259,300	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 5,259,000	=		
TOTAL RIGHT OF WAY COST	\$ 15,000,000	=	11	
Management Support	\$ 525,900	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 525,900	+	10%	
PS&E Support	\$ 788,900	+	15%	
Right of Way Support	\$ 105,200	+	2%	
Construction Support	\$ 841,500	+	16%	
Support Contingency	\$ 557,500	+	20%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Support Costs
TOTAL SUPPORT COST	\$ 3,345,000	=		

Total Estimated Project Costs: \$ 23,650,000

✘ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-13 Los Carneros Way Realignment

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	8,000	x 110.00 = \$	880,000	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY		x =	1/16/2026	
Structure Excavation (Retaining Wall)	CY		x = \$	-	
Structure Backfill (Retaining Wall)	CY		x = \$	-	
Clearing & Grubbing	LS	1	x 250,000 = \$	250,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 1,176,100

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	1,903	x 237.97 = \$	452,857	2
Class 2 Aggregate Base	CY	1,944	x 134.30 = \$	261,079	3
Slurry Seal	TN	20	x 3,507.95 = \$	70,159	4
Minor Concrete (Miscellaneous Construction)	CY	159	x 1,424.58 = \$	226,508	5
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 1,010,700

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY	9	x 2,900.00 = \$	26,100	6
Reinforced Concrete Pipe	LF	200	x 375.00 = \$	75,000	7
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ 101,100

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF		x = \$	-	
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY		x = \$	-	
TOTAL SPECIALTY ITEMS					\$ -

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-13 Los Carneros Way Realignment

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS		x = \$	-	
Highway Planting	LS	1	x 250,000 = \$	250,000	
Irrigation System	LS	1	x 50,000 =	1/16/2026	
Plant Establishment Work	LS	1	x 30,000 = \$	30,000	
Implement Erosion Control	LS	1	x 75,000 = \$	75,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 100,000 = \$	100,000	
TOTAL ENVIRONMENTAL				\$ 501,100	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS	1	x 700,000 = \$	700,000	8
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS	1	x 100,000 = \$	100,000	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 100,000 = \$	100,000	
TOTAL TRAFFIC ITEMS				\$ 900,000	

SECTION 7: MINOR ITEMS				Notes
Traffic Management Plan and Detours			2.5%	\$ 92,225
Stage Construction and Traffic Handling				\$ -
ADA Items			1.5%	\$ 55,335
Other Minor Items			4.0%	\$ 147,560
Total of Section 1-6	\$	3,689,000	x 8.0%	= \$ 295,120
TOTAL MINOR ITEMS				\$ 295,200

SECTIONS 8: MOBILIZATION				
Total Section 1-7	\$	3,984,200	x 10%	= \$ 398,420
TOTAL MOBILIZATION				\$ 398,500

SECTION 9: ROADWAY CONTINGENCY				
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)				
Total Section 1-8	\$	4,382,700	x 20%	= \$ 876,540
TOTAL CONTINGENCY				\$ 876,600

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-13 Los Carneros Way Realignment

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	#### --Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF		x =	\$ -	
Acquisition - Commercial Property	SF	50,000	x 250.00 =	\$ 12,500,000	
Acquisition of Offsite Mitigation	SF		x =	\$ -	
Utility Relocation	LS		x =	\$ -	
Railroad - TCE	LS		x =	\$ -	
Railroad - Flaggers	LS		x =	\$ -	
Clearance / Demolition	SF		x =	\$ -	
Relocation Assistance	LS		x =	\$ -	
Right of Way Contingency	LS	20%	x 12,500,000 =	\$ 2,500,000	
TOTAL RIGHT OF WAY ESTIMATE				\$ 15,000,000	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-13 Los Carneros Way Realignment

NOTES AND CALCULATIONS

NOTE NO. 1

Roadway excavation area (from CAD)

96000 SF

Average Depth ####

2.25 feet

Volume = Area * Depth

216000 CF

8000 CY

RESULT NO. 1 **8,000**

NOTE NO. 2

AC pavement area (from CAD)

35000 SF

Depth of AC

0.75 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton

1903 ton

RESULT NO. 2 **1,903**

NOTE NO. 3

Aggregate base are (from CAD)

35000 SF

Depth

1.50 LF

Volume = Area * Depth

52500 CF

1944 CY

RESULT NO. 3 **1,944**

NOTE NO. 4

Slurry seal are (from CAD)

30000 SF

Tonnage = area / 1500SF/TN

20 ton

RESULT NO. 4 **20**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-13 Los Carneros Way Realignment

NOTES AND CALCULATIONS

NOTE NO. 5

Minor Concrete (Miscellaneous Construction)

Concrete Sidewalks

Plan area (from CAD)

6000 SF

Depth

0.33 feet

Volume = Area * Depth

2000 CF

74 CY

Concrete Curb and Gutter Type A2-6 per Caltrans

Volume per linear feet

0.05903 CY/LF

Length

1000 feet

Volume = Volume per length * length

59 CY

Concrete Curb and Gutter Type A1-6 per Caltrans

Volume per linear feet

0.02585 CY/LF

Length

1000 feet

Volume = Volume per length * length

26 CY

RESULT NO. 5

159

NOTE NO. 6

Minor Concrete (Minor Structure)

Assumed 4 Curb Inlets Type OS (H=6'), cast in place per Caltrans standard plans:

Conc. Per Structure

1.53 CY for H = 3'

0.278 CY per each additional foot

2.364 CY EA

Total Concrete

9 CY

RESULT NO. 6

9

NOTE NO. 7

Reinforced Concrete Pipe

200 feet

RESULT NO. 7

200

NOTE NO. 8

Signal and Lighting

Scale: Major

Legs: 4

Cost: \$700,000

RESULT NO. 1

\$700,000

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue Widening

Description: Widen Fairview Ave between Ekwill Street (Project R-1C) and Olney Street. Utilize retaining walls to minimize wetland impacts. Construct sidewalk on east side. Include bike lanes and a center turning lane.

- Widening on west side of Fairview Avenue to accommodate southbound Fairview Avenue left turn pockets between Ekwill Street and Airport property.
- Provide 5 foot sidewalk on east side of Fairview Avenue.
- Maintain one lane of through traffic in each direction.
- Maintain Class II bike lanes in each direction.

Scope: Demolition; pavement widening; retaining wall; pavement delineation; wetlands; City of Santa Barbara coordination.

Limits: Ekwill Street to Olney Street.

Estimate Type: Planning (City)

Estimate Date: 15-Jan-26

Working Days: 80

	<u>Current Year Costs</u>		<u>Section</u>	
Earthwork	\$ 876,100	+	1	
Pavement Structural Section	\$ 294,800	+	2	
Drainage	\$ -	+	3	
Specialty Items	\$ 1,093,900	+	4	
Environmental	\$ 310,000	+	5	
Traffic Items	\$ 15,000	+	6	
Minor Items	\$ 51,800	+	7	
Roadway Mobilization	\$ 264,200	+	8	
Roadway Contingency	\$ 871,800	+	9	
TOTAL ROADWAY COST	\$ 3,777,600	=		
TOTAL STRUCTURES COST	\$ -	+	10	
TOTAL CONSTRUCTION COST	\$ 3,778,000	=		
TOTAL RIGHT OF WAY COST	\$ -	=	11	
Management Support	\$ 377,800	+	10%	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Construction Costs
PA&ED Support	\$ 377,800	+	10%	
PS&E Support	\$ 566,700	+	15%	
Right of Way Support	\$ 75,600	+	2%	
Construction Support	\$ 604,500	+	16%	
Support Contingency	\$ 400,500	+	20%	
TOTAL SUPPORT COST	\$ 2,403,000	=		<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 40px; height: 100px; display: inline-block;"></div> of Support Costs

Total Estimated Project Costs: \$ 6,200,000

✗ Check Status

Prepared by: _____
 Project Engineer

Approved by: _____
 Project Manager

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue Widening

SECTION 1: EARTHWORK	Unit	Quantity	Unit Price	Cost	Notes
Roadway Excavation	CY	106	x 328.52 = \$	34,823	1
Roadway Excavation (ADL)	CY		x = \$	-	
Imported Borrow	CY	1,129	x 40.00 = \$	45,160	2
Structure Excavation (Retaining Wall)	CY	1,316	x 300.00 = \$	394,800	3
Structure Backfill (Retaining Wall)	CY	1,004	x 325.00 = \$	326,300	4
Clearing & Grubbing	LS	1	x 75,000 = \$	75,000	
TOTAL EARTHWORK SECTION ITEMS					\$ 876,100

SECTION 2: PAVEMENT STRUCTURAL SECTION	Unit	Quantity	Unit Price	Cost	Notes
Continuously Reinforced Concrete Pavement	CY		x = \$	-	
Hot Mix Asphalt (Type A)	TN	529	x 418.28 = \$	-	5
Class 2 Aggregate Base	CY	374	x 295.45 = \$	156,293	6
Slurry Seal	TN	17	x 3,507.95 = \$	59,635	7
Minor Concrete (Miscellaneous Construction)	CY	65	x 1,212.77 = \$	78,830	8
Place Hot Mix Asphalt Dike	LF		x = \$	-	
Cold Plane Asphalt Concrete Pavement	SY		x = \$	-	
TOTAL PAVEMENT STRUCTURAL SECTION ITEMS					\$ 294,800

SECTION 3: DRAINAGE	Unit	Quantity	Unit Price (\$)	Cost	Notes
Structural Concrete, Box Culvert	CY		x = \$	-	
Minor Concrete (Minor Structure)	CY		x = \$	-	
Reinforced Concrete Pipe	LF		x = \$	-	
Rock Slope Protection	CY		x = \$	-	
Concrete (Ditch/Channel Lining)	CY		x = \$	-	
TOTAL DRAINAGE ITEMS					\$ -

SECTION 4: SPECIALTY ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Sound Wall (Masonry Block)	SF		x = \$	-	
Remove Concrete Barrier	LF		x = \$	-	
Remove Metal Beam Guard Railing	LF		x = \$	-	
Chain Link Fence	LF		x = \$	-	
Midwest Guardrail System (Wood Post)	LF	760	x 68.37 = \$	51,961	9
Thrie Beam Barrier	LF		x = \$	-	
Terminal System or Crash Cushion	EA		x = \$	-	
Concrete Barrier (TYPE 60M)	LF		x = \$	-	
Structural Concrete, Retaining Wall	CY	544	x 1,915.28 = \$	1,041,912	
TOTAL SPECIALTY ITEMS					\$ 1,093,900

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue Widening

SECTION 5: ENVIRONMENTAL	Unit	Quantity	Unit Price (\$)	Cost	Notes
Biological Mitigation	LS	1	x 200,000 = \$	200,000	
Highway Planting	LS	1	x 50,000 = \$	50,000	
Irrigation System	LS	1	x 15,000 = \$	15,000	
Plant Establishment Work	LS	1	x 15,000 = \$	15,000	
Implement Erosion Control	LS	1	x 15,000 = \$	15,000	
Prepare and Implement SWPPP / WPCP	LS	1	x 15,000 = \$	15,000	
TOTAL ENVIRONMENTAL				\$ 310,000	

SECTION 6: TRAFFIC ITEMS	Unit	Quantity	Unit Price (\$)	Cost	Notes
Lighting and Sign Illumination	LS		x = \$	-	
Signal and Lighting	LS		x = \$	-	
Ramp Metering System	LS		x = \$	-	
Interconnection Conduit and Cable	LS		x = \$	-	
Furnish and Install Sign Structure	LS		x = \$	-	
CIDH Pile (Sign Foundation)	LS		x = \$	-	
Remove Sign Structure	LS		x = \$	-	
Permanent Pavement Delineation	LS	1	x 15,000 = \$	15,000	
TOTAL TRAFFIC ITEMS				\$ 15,000	

SECTION 7: MINOR ITEMS					Notes
Traffic Management Plan and Detours			1.0%	\$ 25,898	
Stage Construction and Traffic Handling				\$ -	
ADA Items			1.0%	\$ 25,898	
Other Minor Items				\$ -	
Total of Section 1-6		\$ 2,589,800	x 2.0%	= \$ 51,796	
TOTAL MINOR ITEMS				\$ 51,800	

SECTIONS 8: MOBILIZATION					
Total Section 1-7		\$ 2,641,600	x 10%	= \$ 264,160	
TOTAL MOBILIZATION				\$ 264,200	

SECTION 9: ROADWAY CONTINGENCY					
Recommended Contingency: (Pre-PSR 30%-50%, PSR 25%, Draft PR 20%, PR 15%, after PR approval 10%, Final PS&E 5%)					
Total Section 1-8		\$ 2,905,800	x 30%	= \$ 871,740	
TOTAL CONTINGENCY				\$ 871,800	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue Widening

SECTION 10: STRUCTURES ITEMS

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

Name / ID	xxxxxxxxx	xxxxxxxxx	xxxxxxxxx
Structure Type	--Select Bridge Type--	--Select Bridge Type--	--Select Bridge Type--
Width (Feet) [out to out]	0 LF	0 LF	0 LF
Total Bridge Length	0 LF	0 LF	0 LF
Total Area (Square Feet)	0 SQFT	0 SQFT	0 SQFT
Complexity	5	5	5
Unusual Features	0	0	0
Cost Per Square Foot	\$0	\$0	\$0
COST OF EACH BRIDGE	\$ -	\$ -	\$ -

TOTAL COST OF BRIDGES	\$ -
Structures Mobilization Percentage 10%	\$ -
Structures Contingency Percentage 20%	\$ -
TOTAL COST OF STRUCTURES	\$ -

SECTION 11: RIGHT OF WAY	Unit	Quantity	Unit Price	Cost	Notes
Acquisition - Residential Property	SF	x	=	\$ -	
Acquisition - Commercial Property	SF	x	=	\$ -	
Acquisition of Offsite Mitigation	SF	x	=	\$ -	
Utility Relocation	LS	x	=	\$ -	
Railroad - TCE	LS	x	=	\$ -	
Railroad - Flaggers	LS	x	=	\$ -	
Clearance / Demolition	SF	x	=	\$ -	
Relocation Assistance	LS	x	=	\$ -	
Right of Way Contingency	LS	20%	x 0	= \$ -	
TOTAL RIGHT OF WAY ESTIMATE				\$ -	

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue

NOTES AND CALCULATIONS

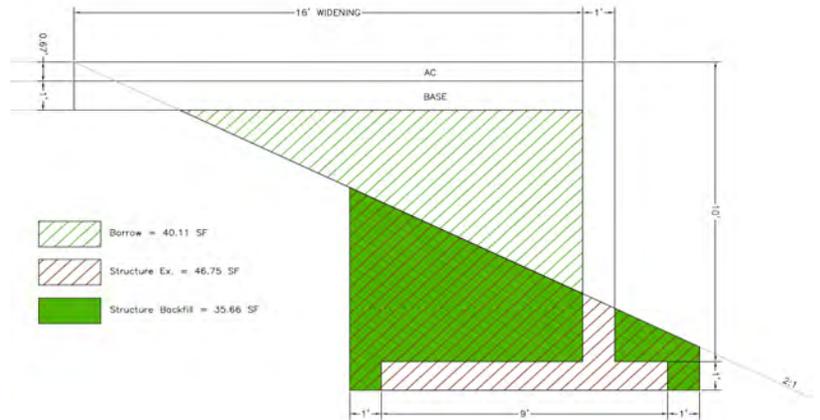
NOTE NO. 1

Roadway excavation (only needed for the construction of the sidewalks)
 Area of Sidewalks Curbs and Gutters
 3750 SF
 Area of Excavation = Area of Sidewalks Curbs and Gutters + 15%
 4313 SF
 Depth
 0.67 feet
 Volume = Area * Depth
 2875 CF
 106 CY

RESULT NO. 1 **106**

NOTE NO. 2

Imported borrow
 Area (from CAD)
 40 SF
 Length (wall)
 760 feet
 Volume = Area * Length
 30484 CF
 1129 CY



RESULT NO. 2 **1129**

NOTE NO. 3

Structure excavation (see Note 2)
 47 SF
 Length of Wall
 760 feet
 Volume = Area * Length
 35530 CF
 1316 CY

RESULT NO. 3 **1316**

NOTE NO. 4

Structure backfill (see Note 2)
 36 SF
 Length of Wall
 760 feet
 Volume = Area * Length
 27102 CF
 1004 CY

RESULT NO. 4 **1004**

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue

NOTES AND CALCULATIONS

NOTE NO. 5

AC pavement

Roadway Widening

Area of widening

10100 SF

Depth of AC

0.67 feet

Tonnage = Area * Depth * 145lbs/CF / 2000lbs/ton'

488 ton

Patch Curb and Gutter forms

Cross sectional Area (1ft x 1ft Assumed)

1.00 SF

Length of Curb and Gutter

566 feet

41 ton

RESULT NO. 5

529

NOTE NO. 6

Aggregate base

Area of widening

10100 SF

Depth

1.00 feet

Volume = Area * Depth

10100 CF

374 CY

RESULT NO. 6

374

NOTE NO. 7

Slurry seal

Area (from CAD)

25900 SF

Coverage rate (Caltrans)

1500 SF/ton

Tonnage = area / coverage rate

17 TN

RESULT NO. 7

17

NOTE NO. 8

Minor Concrete (Miscellaneous Construction)

Concrete Sidewalks

Concrete Sidewalks Plan Area

2600 SF

Depth of Concrete

0.33 feet

Total Concrete = Area * Depth

867 CF

32 CY

Concrete Curb and Gutter Type A2-6 per Caltrans

Volume per linear ft

0.05903 CY/LF

Curb and Gutter Length

566 feet

Total Concrete = Volume per length * length

33 CY

RESULT NO. 8

65

NOTE NO. 9

Midwest guard rail - along top of wall

Length of retaining Wall

760 feet

RESULT NO. 9

760

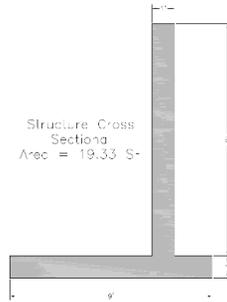
NOTE NO. 10

City of Goleta
GOLETA TRANSPORTATION IMPROVEMENT PROGRAM (GTIP)

R-14 South Fairview Avenue

NOTES AND CALCULATIONS

Structural Concrete, Retaining Wall
Cross sectional area (from CAD)
19 SF
Length feet
760 feet
Volume = Area * Length
14691 CF
544 CY



RESULT NO. 10

544

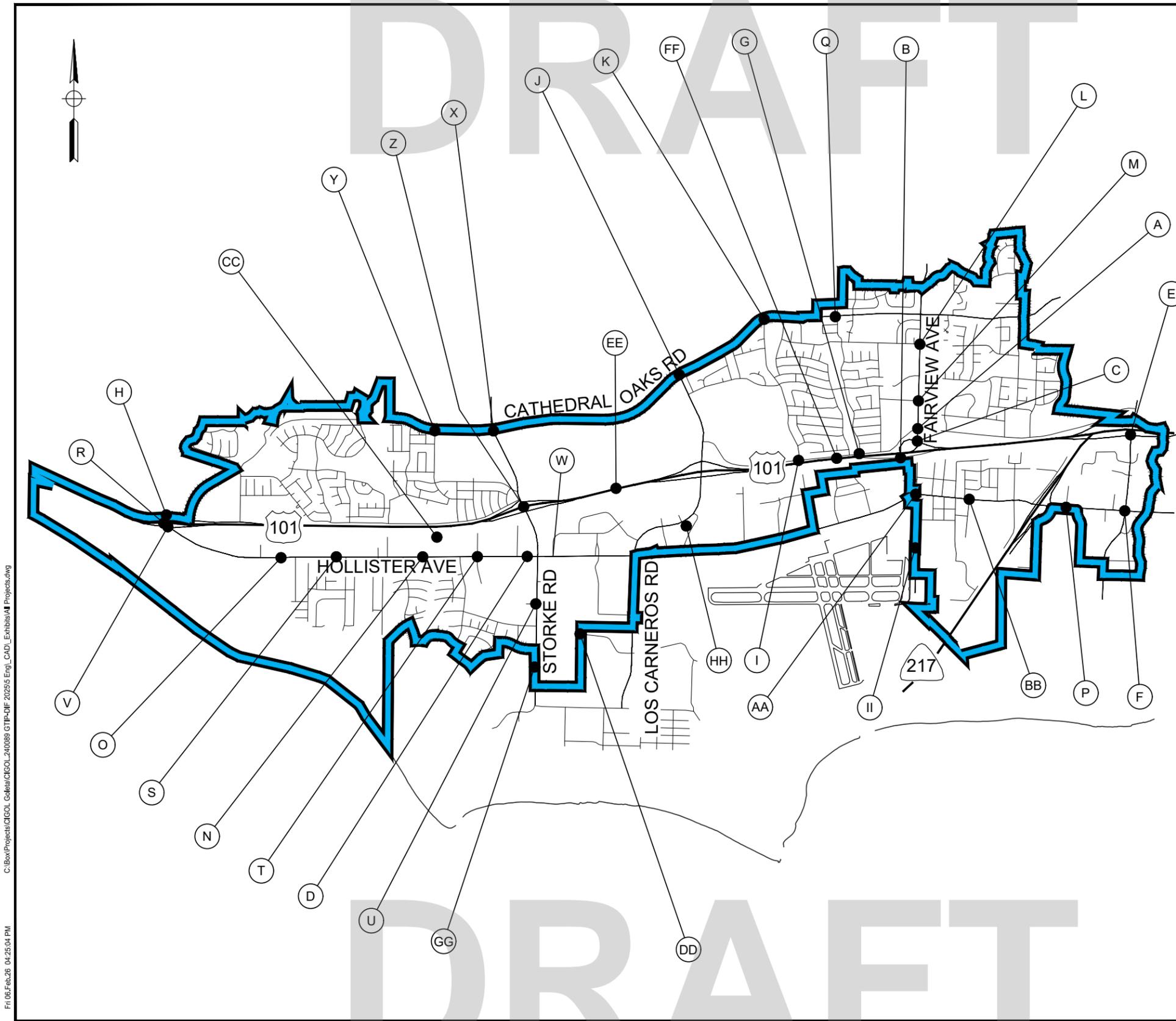
Appendix B

2025 Development Impact Fee Transportation Project Concepts

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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM



- (A) I-01 Fairview Av / Calle Real
- (B) I-02 Fairview Av / US 101 SB On-Ramp
- (C) I-03 Fairview Av / US 101 NB On-Ramp
- (D) I-07 Hollister Av Widening - West of Storke Rd
- (E) I-08 Patterson Av / US 101 SB Ramp
- (F) I-10 Hollister Av / Patterson Av
- (G) I-12-02 Calle Real / Carlo Dr
- (H) I-12-02 (I4) Cathedral Oaks Rd / Hollister Av / US 101 NB Ramps
- (I) I-12-03 (R4) Calle Real / N La Patera Ln
- (J) I-12-05 Cathedral Oaks Rd / Los Carneros Rd
- (K) I-12-06 Cathedral Oaks Rd / N La Patera Ln
- (L) I-12-07 Fairview Av / Stow Canyon Rd
- (M) I-12-08 Fairview Av / Berkeley Rd
- (N) I-12-10 Hollister Av / Cannon Green Dr
- (O) I-12-11 Hollister Av / Pebble Beach Dr
- (P) I-12-12 Hollister Av / La Sumida Gardens Ln
- (Q) I-12-23 Carlo Dr / Cathedral Oaks Rd
- (R) I-12-27 Cathedral Oaks Rd / US 101 SB Ramp
- (S) I-12-30 Hollister Av / Palo Alto Dr
- (T) I-12-31 Hollister Av / Santa Felicia Dr
- (U) I-12-32 Storke Av / Santa Felicia Dr
- (V) I-12-33 Hollister Av / Cathedral Oaks Rd
- (W) I-12-34 Hollister Av / Cortona Dr
- (X) I-12-35 Cathedral Oaks Rd / Glen Annie Rd
- (Y) I-12-36 Cathedral Oaks Rd / Alameda Av
- (Z) I-18 Storke Rd / US 101 SB Ramp
- (AA) I-22 Hollister Av / Fairview Av
- (BB) R-02 Hollister Av Complete Streets Corridor
- (CC) R-05 US 101 Bicycle and Pedestrian Overcrossing
- (DD) R-09 Phelps Rd Extension
- (EE) R-10 US 101 NB Aux Lane - Los Carneros Rd to Storke Rd
- (FF) R-11 US 101 NB/SB Aux Lanes - Fairview Av to Los Carneros Rd
- (GG) R-12 Storke Rd Widening - Phelps Rd to City Limits
- (HH) R-13 Los Carneros Wy Realignment
- (II) R-14 South Fairview Av Widening

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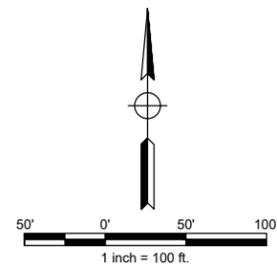
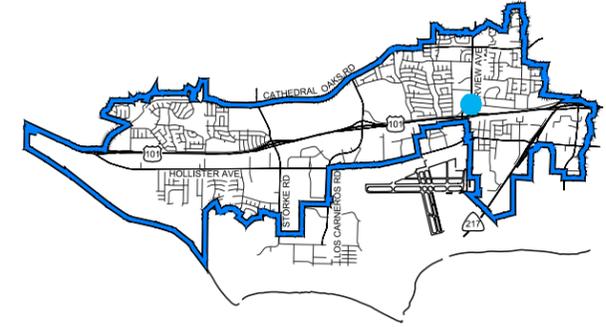
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Project I-01: Fairview Avenue and Calle Real Roundabout



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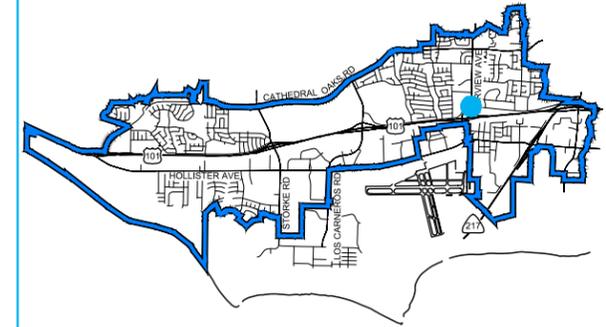
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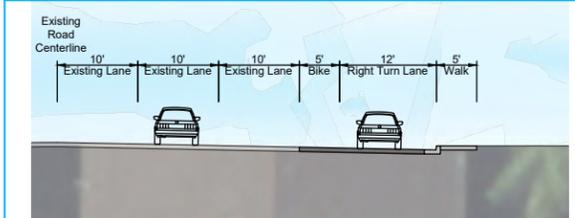


Project I-01: Fairview Avenue and Calle Real Roundabout



Notes

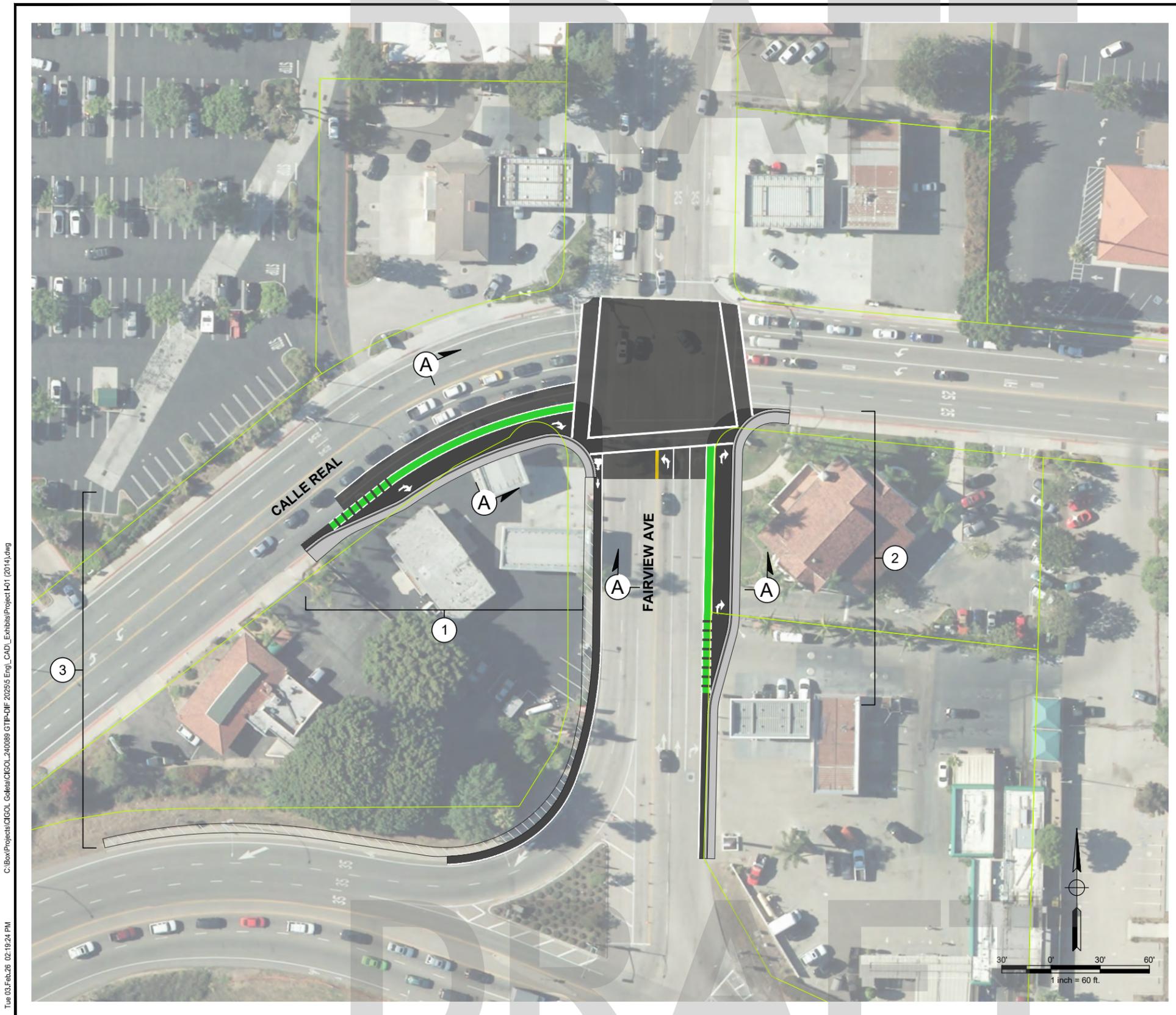
- ① Widen Calle Real to the south to construct a right turn lane onto southbound Fairview Ave. See cross section A-A.
- ② Widen Fairview Ave to the east to construct right turn lane onto eastbound Calle Real. See cross section A-A.
- ③ Add bicycle lanes on both sides of Fairview Ave. Remove sidewalk on west side of Fairview Ave south of Calle Real.



Cross Section A-A

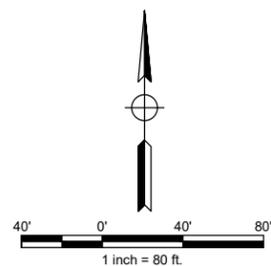
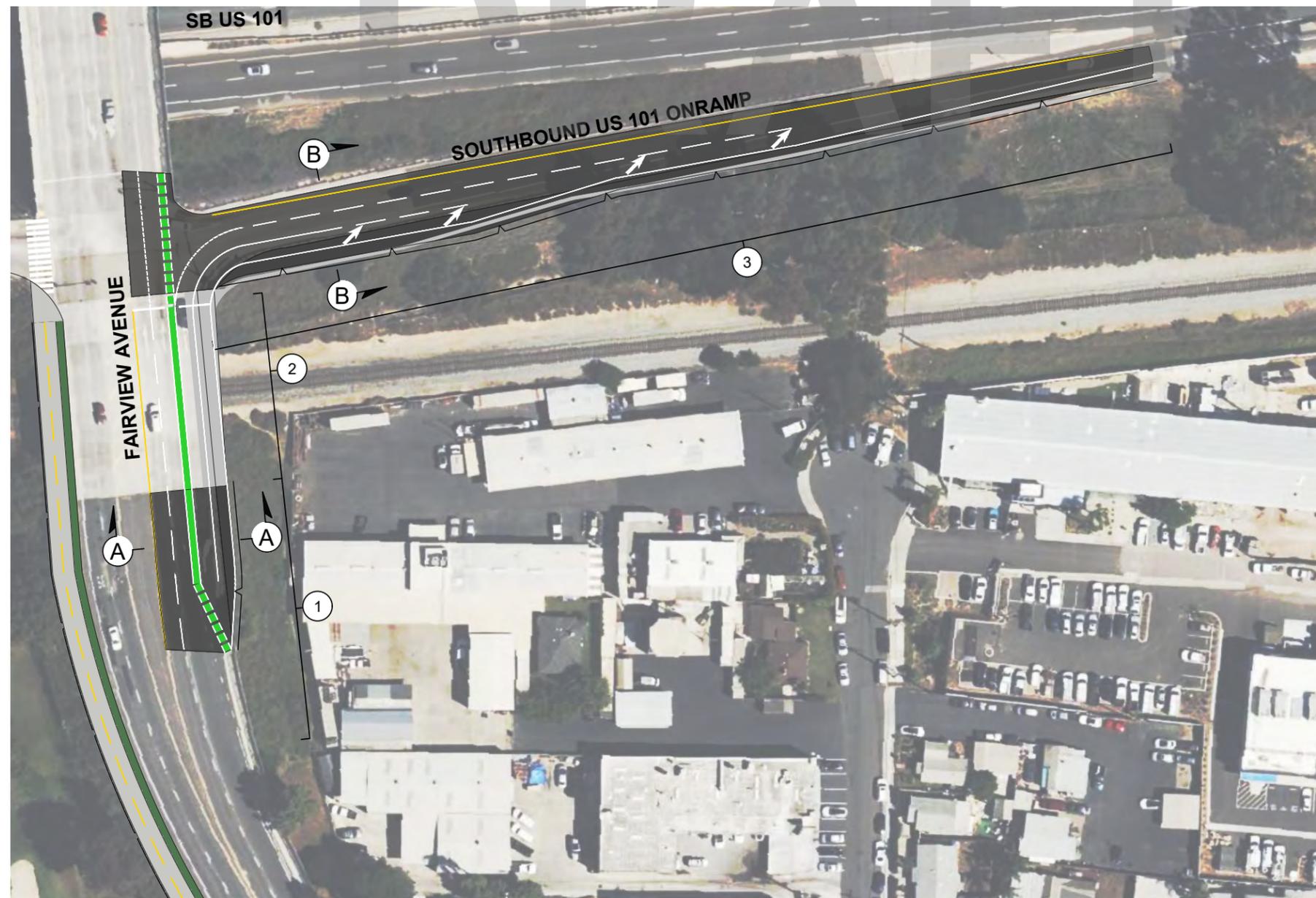


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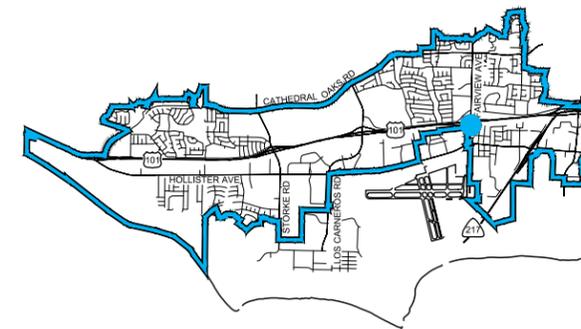
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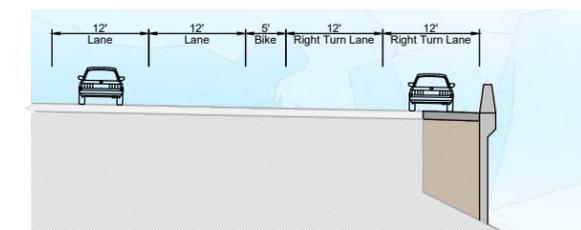
GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-02: Fairview Ave & SB Hwy 101 Operational Improvements

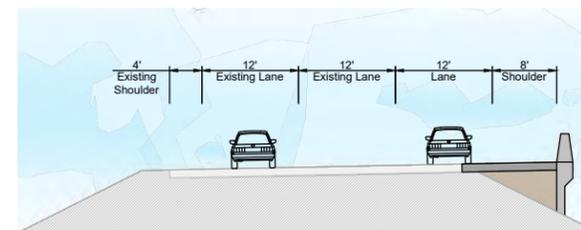


NOTES

- ① Widen Fairview Ave to the east to include an additional right turn lane onto southbound on-ramp. See cross section A-A.
- ② Widen railroad over crossing to accommodate additional turning lane.
- ③ Widen southbound on-ramp to receive additional turning lane.



Cross Section A-A



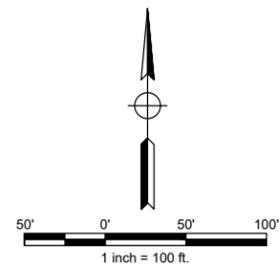
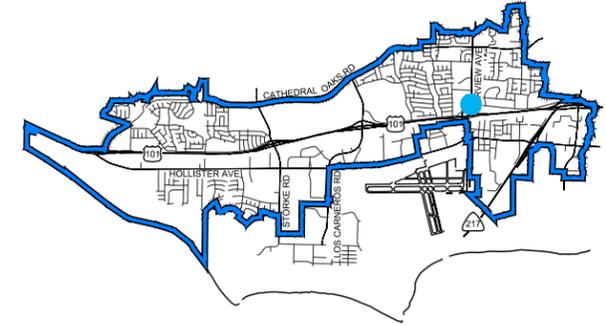
Cross Section B-B



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Project I-03: Fairview Avenue and Calle Real Roundabout



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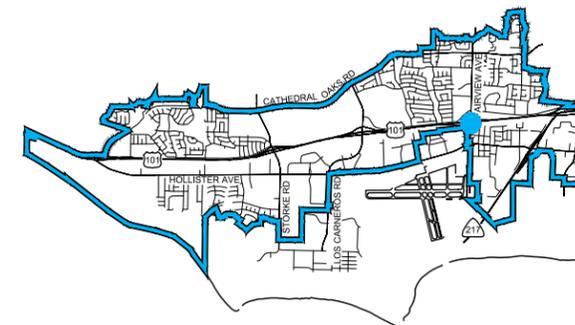
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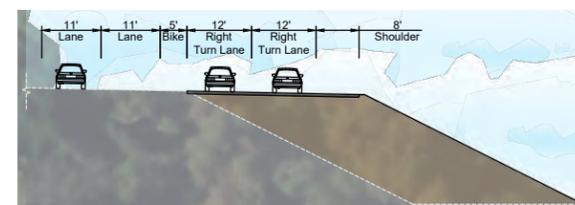
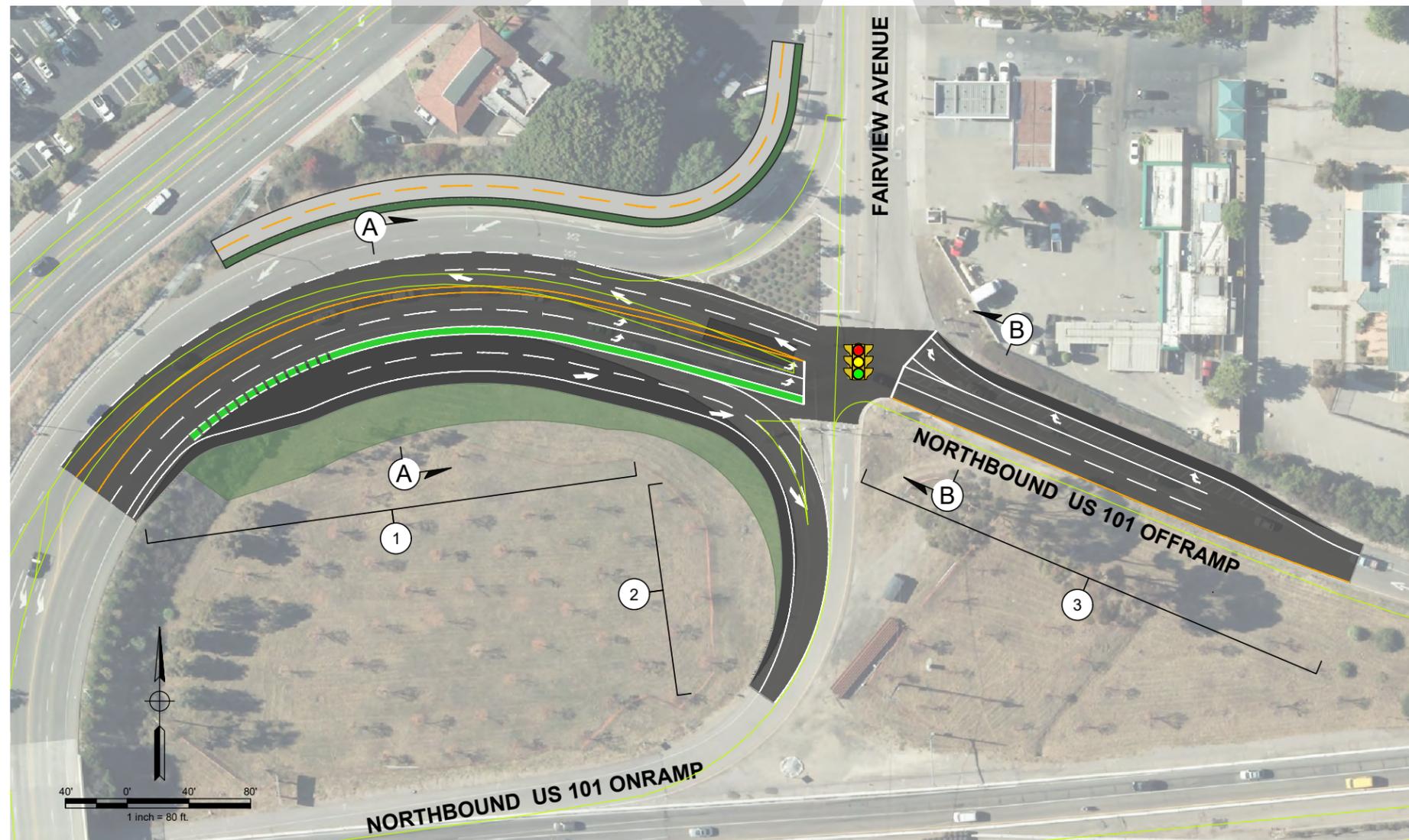
GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-03: Fairview Ave & NB Hwy 101 Operational Improvements

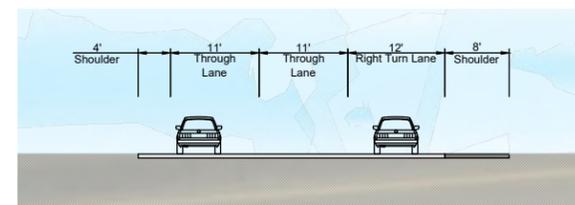


Notes

- 1 Widen northbound Fairview Avenue to the south to accommodate two right turn lanes onto Northbound US 101 Onramp.
- 2 Widen Northbound US 101 Onramp to accommodate the new right turn lanes from northbound Fairview Avenue.
- 3 Widen Northbound US 101 Offramp to the north to accommodate a second through lane onto southbound Fairview Avenue.



Cross Section A-A



Cross Section B-B



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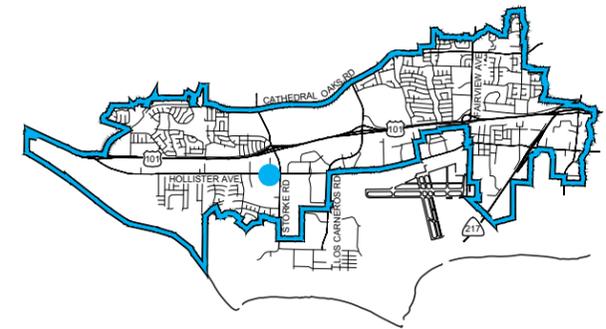
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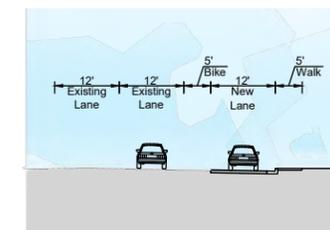
GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-07: Hollister Avenue at Storke Road and Glen Annie Road

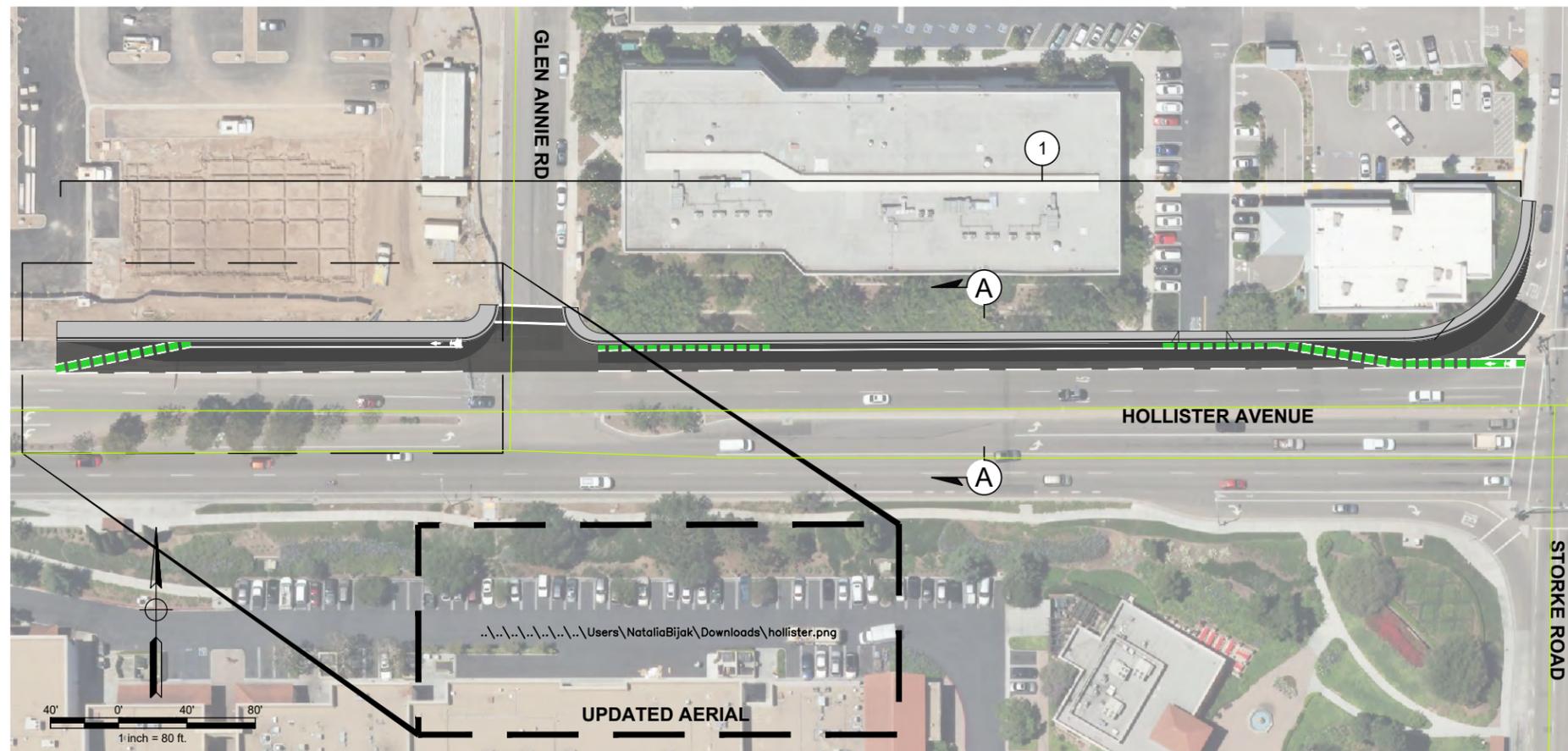


NOTES

- 1 Widen Hollister Avenue to accommodate a free right turn lane from southbound Storke Road onto westbound Hollister Avenue. See cross section A-A.



Cross Section A-A



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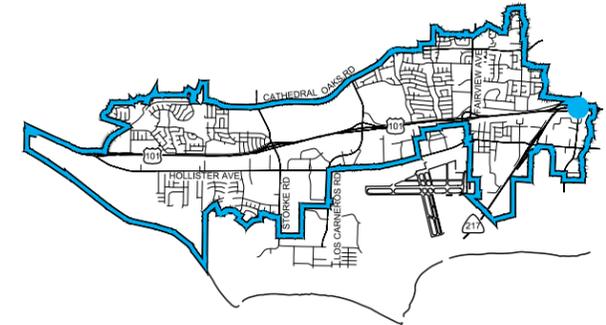
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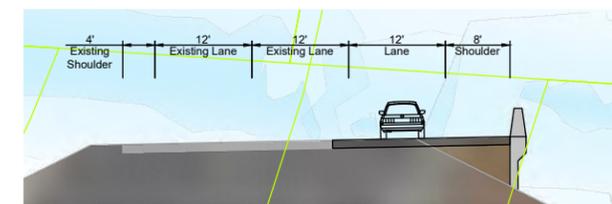


Project I-08: Patterson Ave at US 101 Southbound Ramps



Notes

- ① Widen Patterson Ave to the east to include an additional left turn lane from southbound Patterson Ave onto southbound ramp.
- ② Widen freeway over crossing to accommodate additional left turn lane.
- ③ Widen Patterson Ave to the east to include an additional right turn lane from northbound Patterson onto southbound on-ramp.
- ④ Widen railroad over crossing to accommodate additional right turn lane.
- ⑤ Widen Patterson Ave southbound on-ramp to receive new turning lanes. See cross section A-A.
- ⑥ Widen structure over Maria Ygnacio Creek to accommodate ramp widening.



Cross Section A-A



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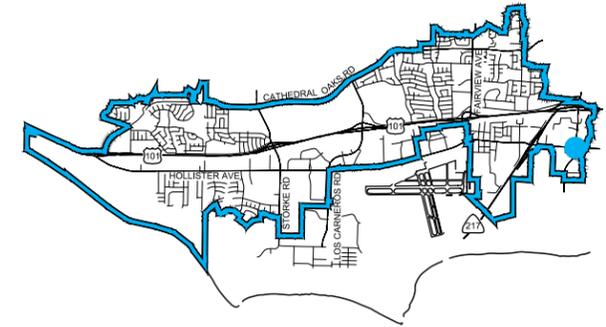


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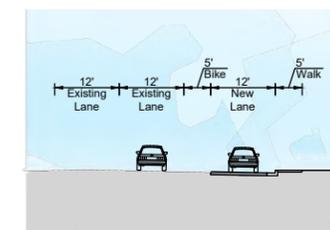


Project I-10: Hollister Avenue at Patterson Avenue



Notes

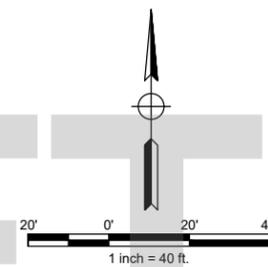
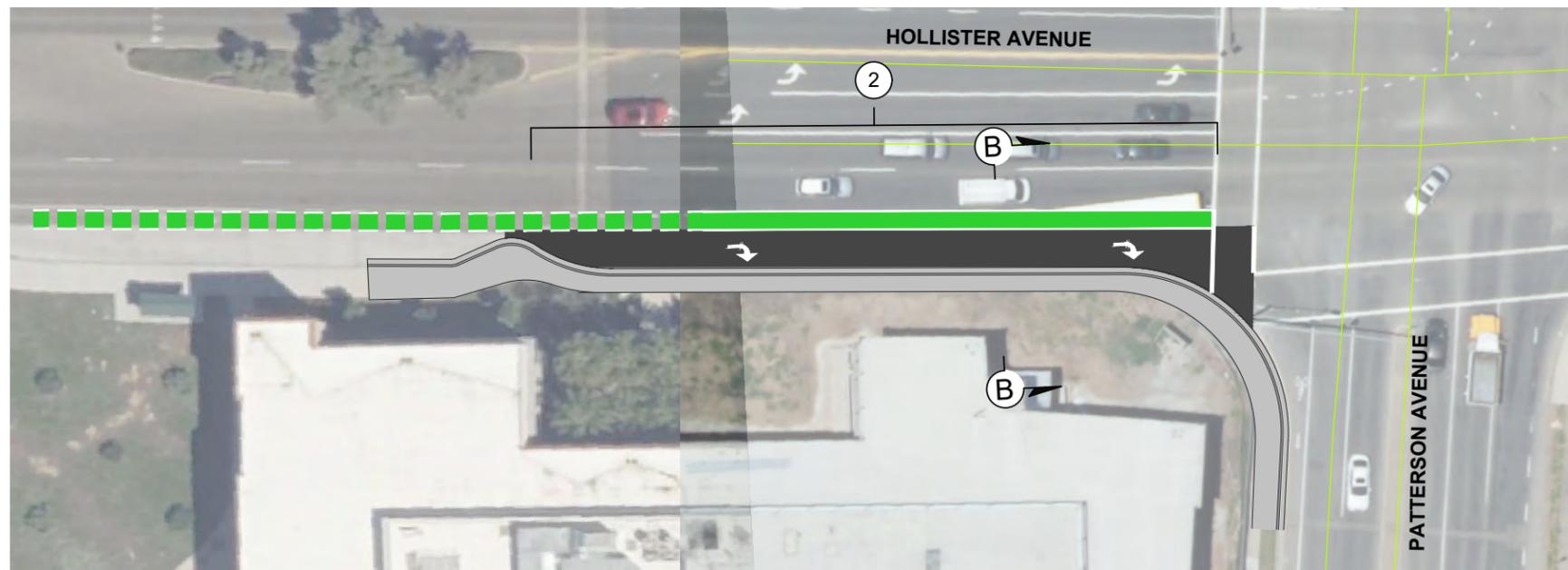
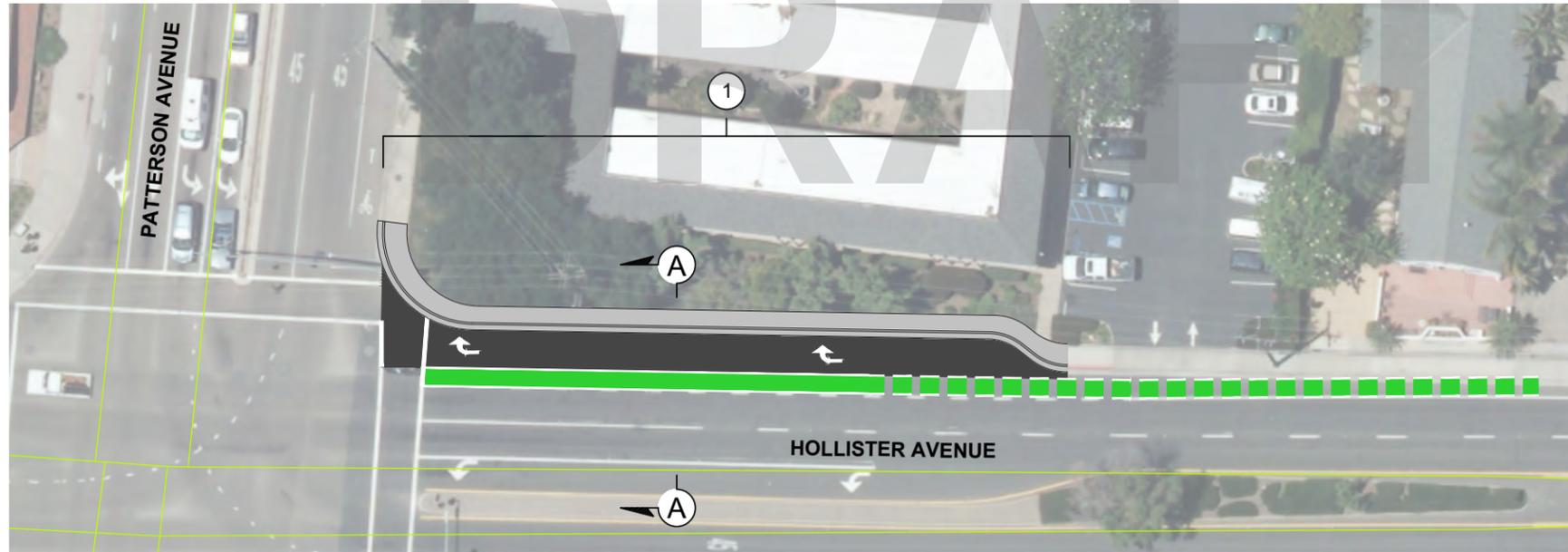
- ① Widen Hollister Ave to the north to accommodate a right turn lane from WB Hollister to NB Patterson.
- ② Widen Hollister Ave to the south to accommodate a right turn lane from EB Hollister to SB Patterson.



Cross Section A-A



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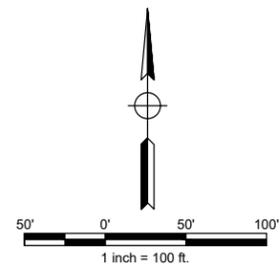
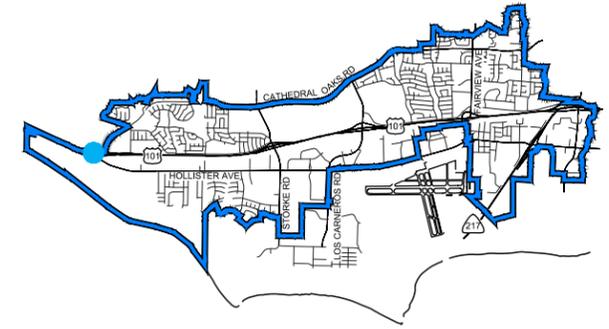


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Project I-12-02 (I4): Cathedral Oaks Road and Calle Real Roundabout



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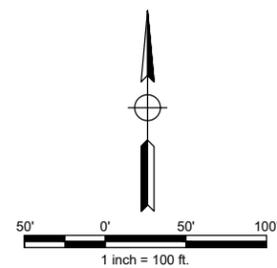
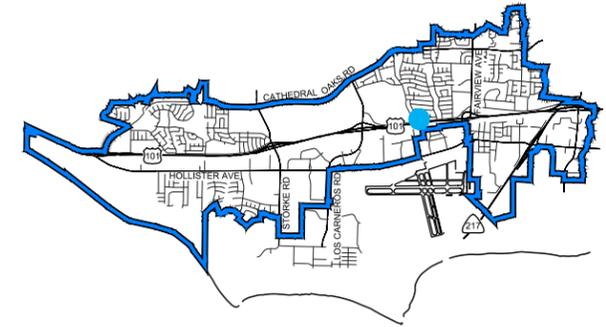
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Project I-12-02: Calle Real and Carlo Drive Roundabout



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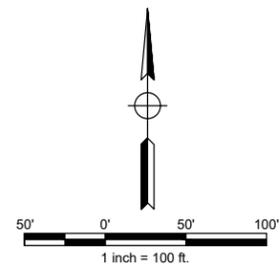
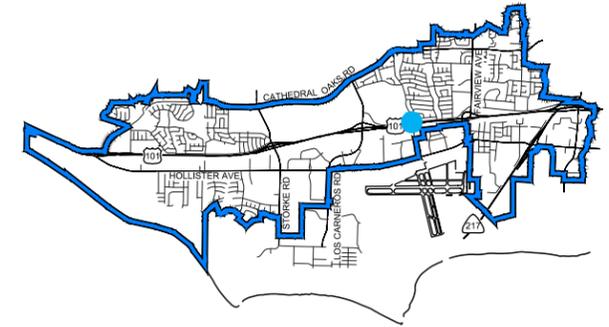
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Project I-12-03 (R4): Calle Real at N. La Patera Road Roundabout



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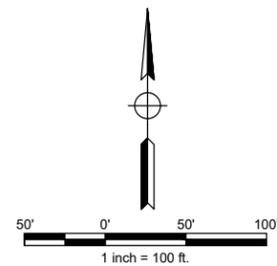
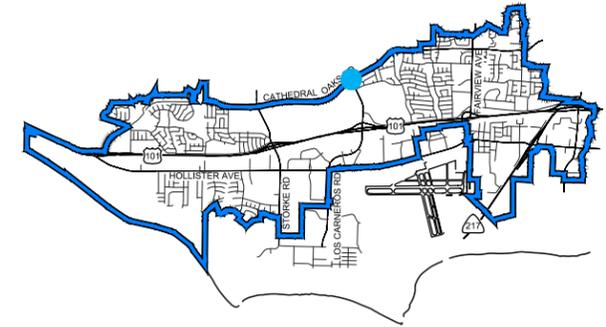
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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-12-05: Los Carneros Road at Cathedral Oaks Road Roundabout



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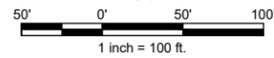
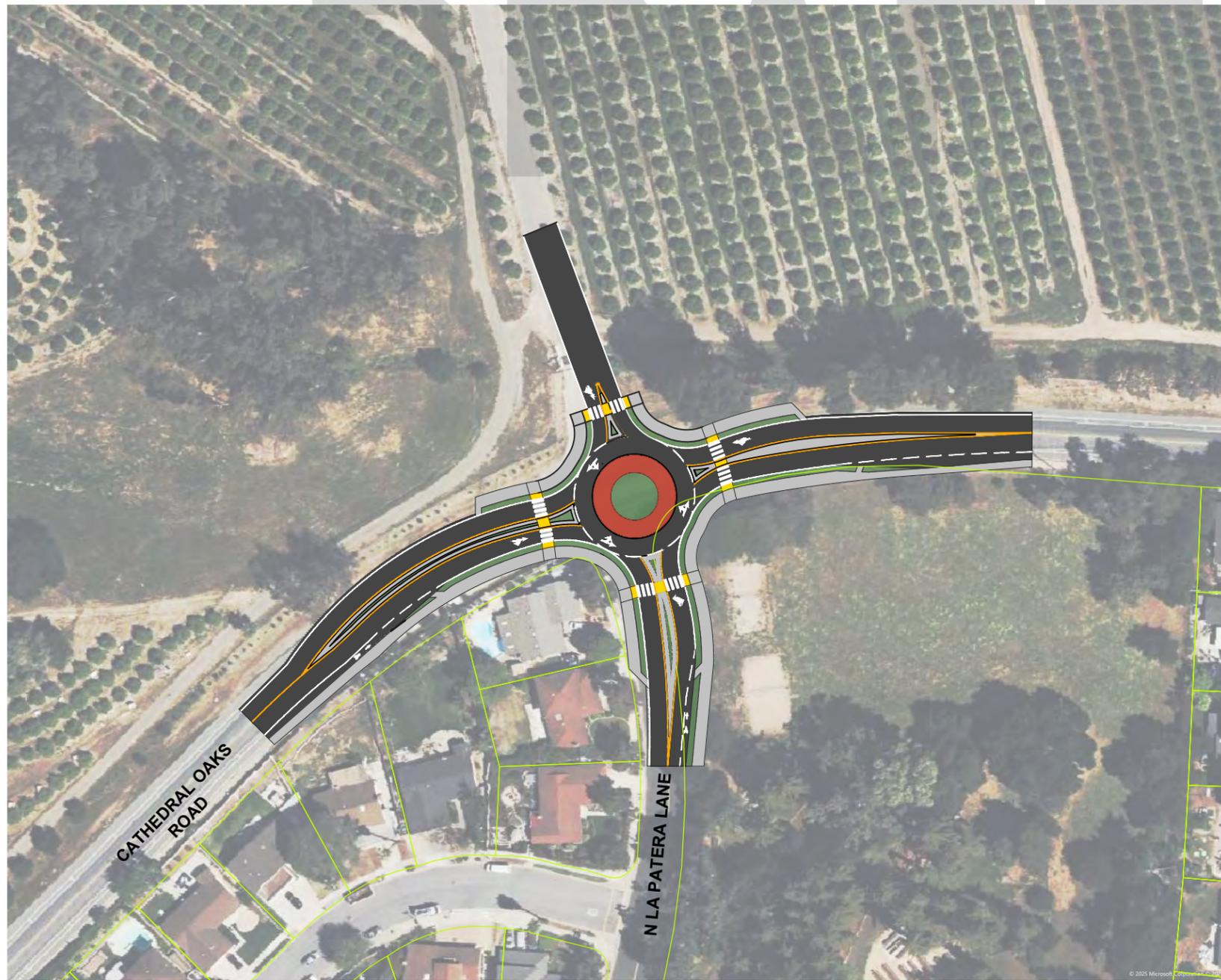
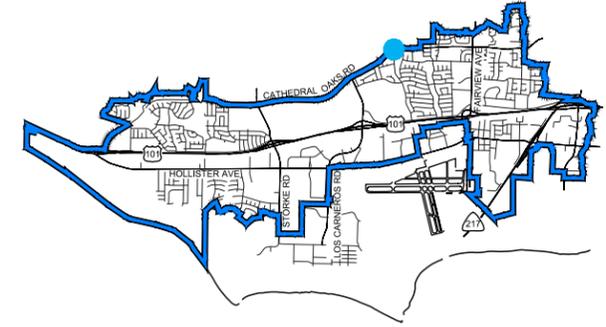
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Project I-12-06: Cathedral Oaks Road and N La Patera Lane Roundabout



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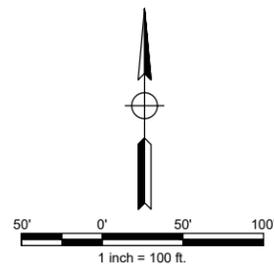
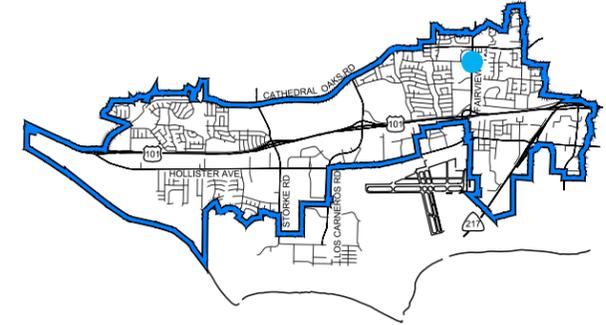
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Project I-12-07: Fairview Avenue and Stow Canyon Road Roundabout



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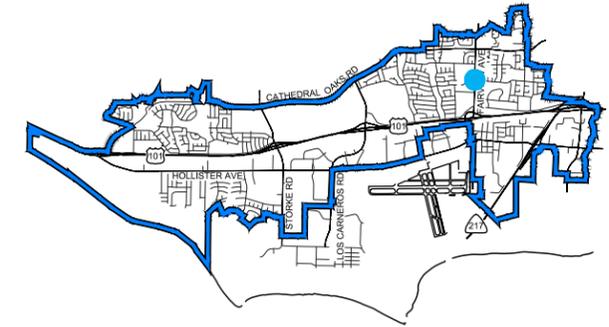
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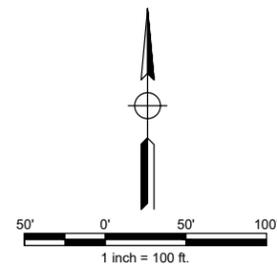


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Project I-12-08: Fairview Avenue and Berkeley Road Roundabout



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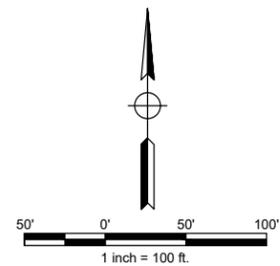
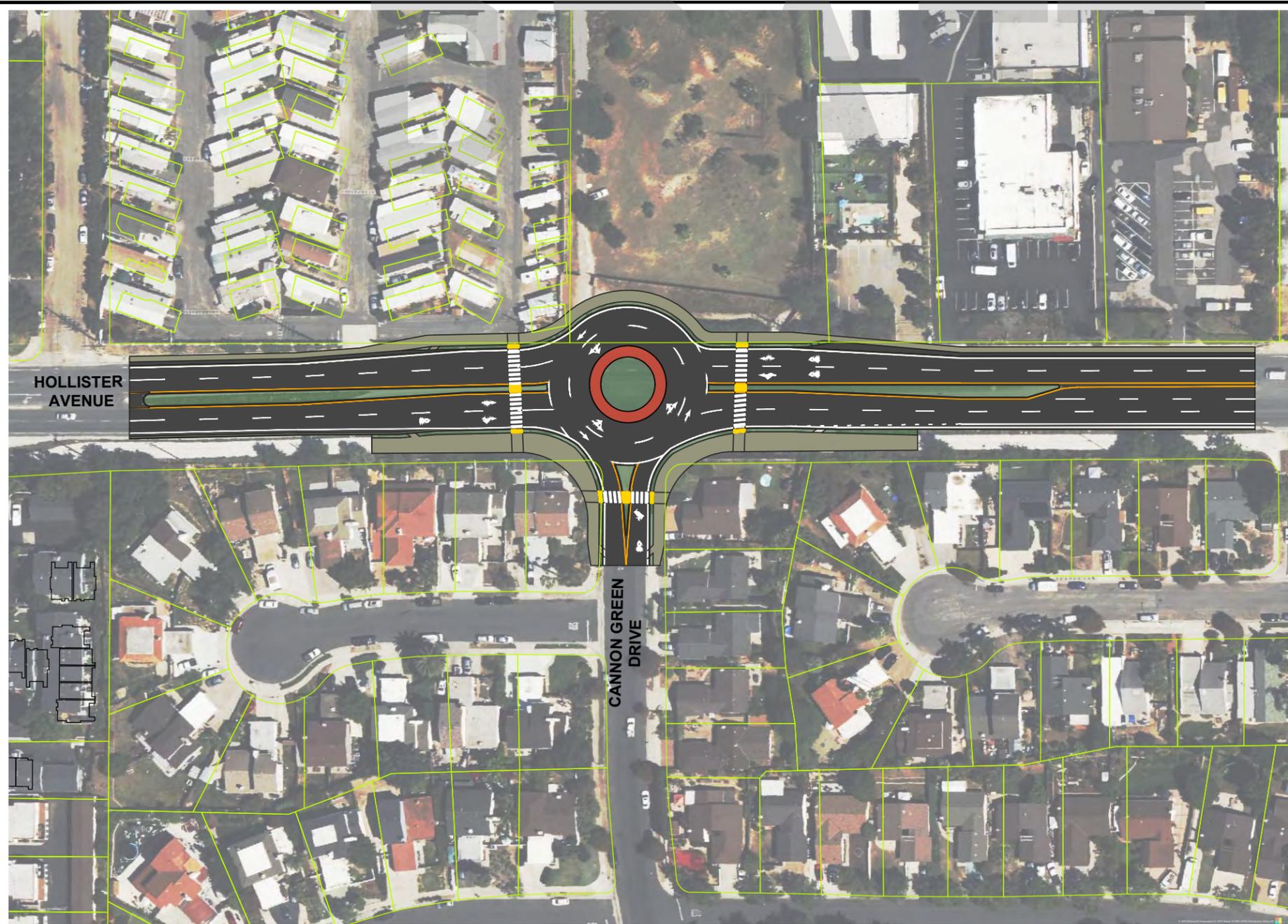
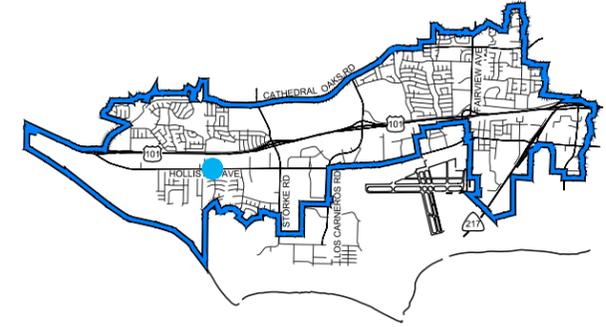
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Project I-12-10: Hollister Avenue and Cannon Green Drive Roundabout



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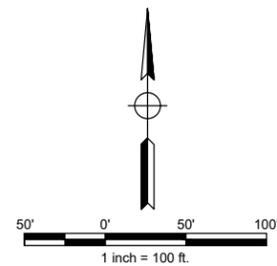
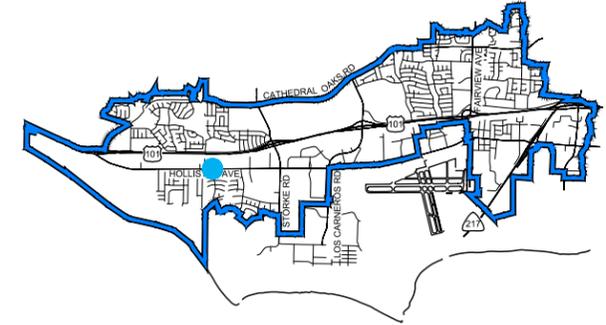
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Project I-12-10: Hollister Avenue and Cannon Green Drive



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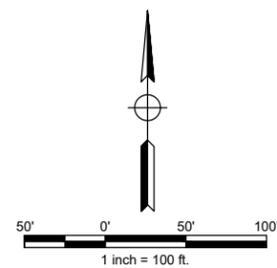
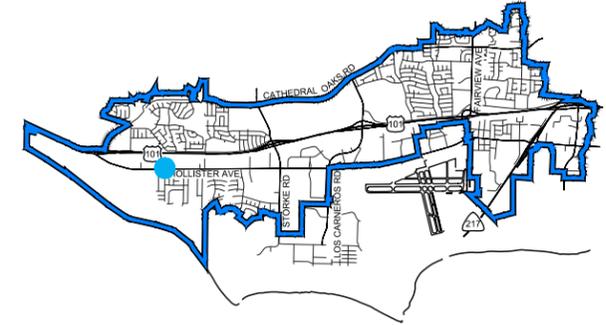
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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-12-11: Pebble Beach Road at Hollister Avenue Roundabout



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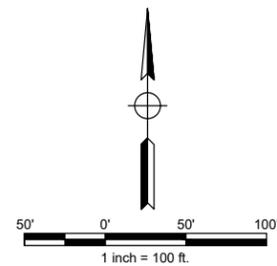
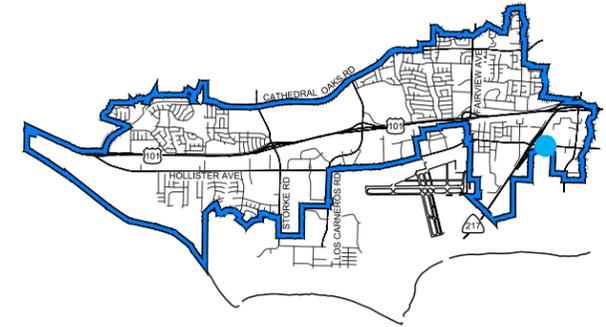
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Project I-12-12: Hollister Avenue and La Sumeda Gardens Roundabout



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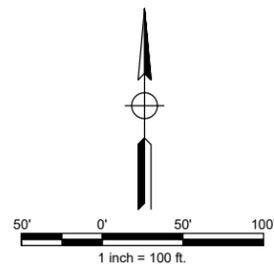
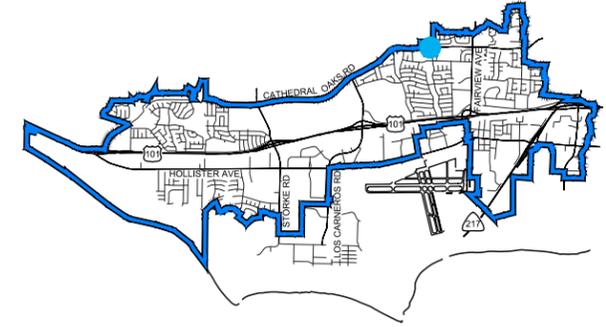
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Project I-12-23: Carlo Drive and Cathedral Oaks Road Roundabout



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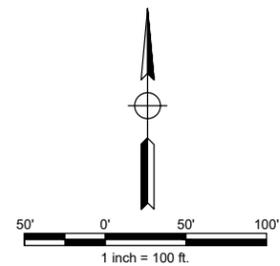
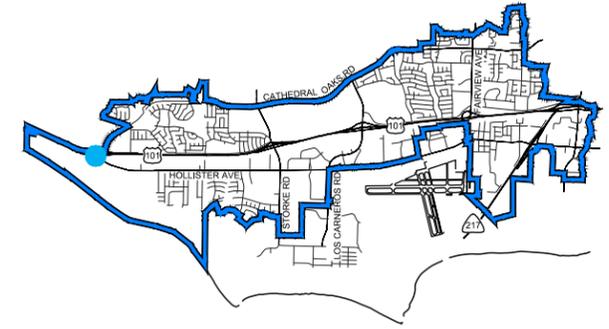
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Project I-12-27: Cathedral Oaks Road and 101 Southbound Ramps Roundabout

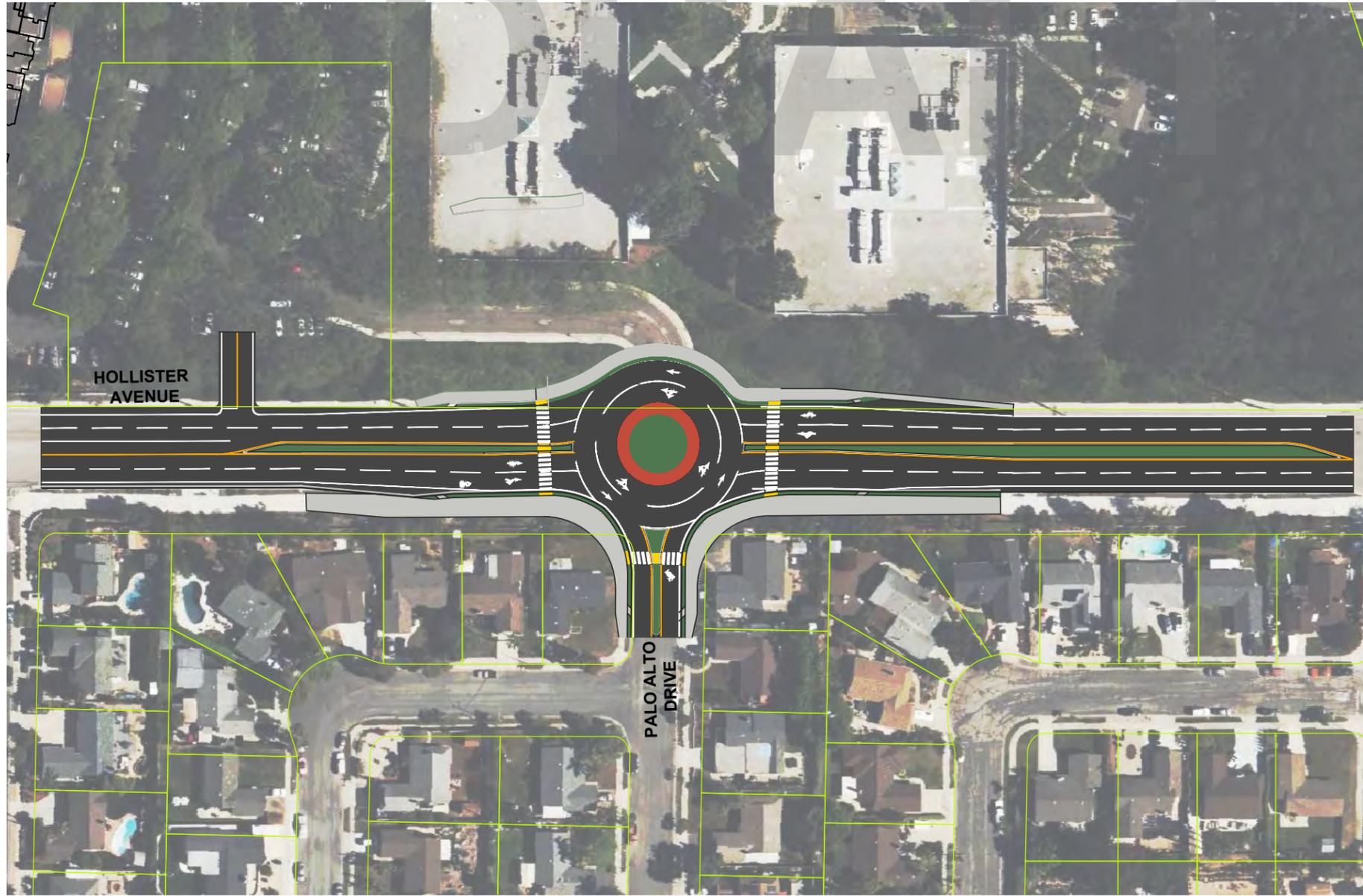


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HOLLISTER AVENUE

PALO ALTO DRIVE



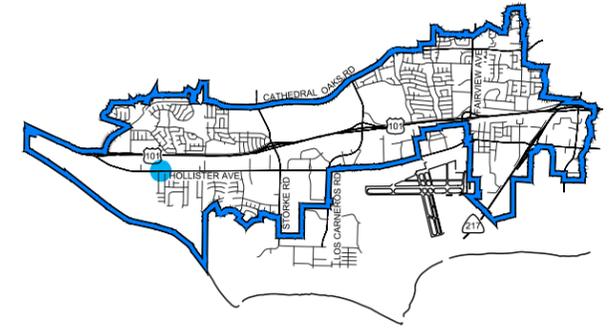
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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-12-30: Hollister Avenue and Palo Alto Drive Roundabout



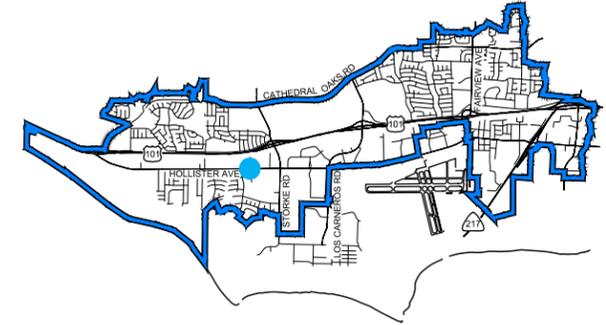
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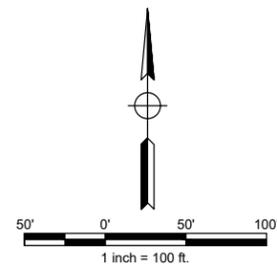


Project I-12-31: Hollister Avenue and Santa Felicia Drive Roundabout



Notes

- ① Median modifications: right-in / right-out only for Santa Felicia Drive. Left-turns from Hollister Avenue are allowed.
- ② Lengthen Hollister eastbound left-turn pocket at Village Way.



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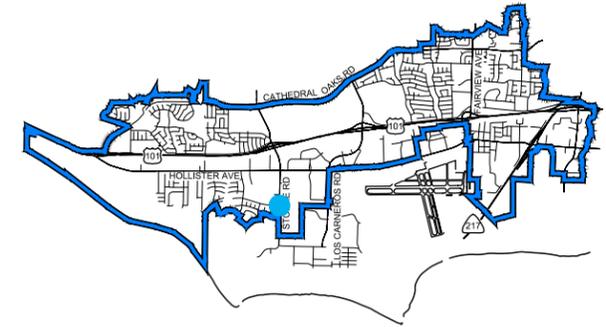
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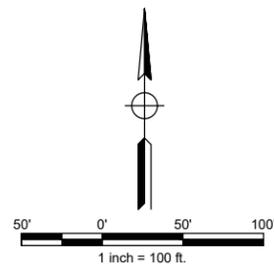


Project I-12-32: Storke Road and Santa Felicia Drive Roundabout



Notes

- ① Re-stripe Santa Felicia Drive for separate right-turn and left-turn lanes.
- ② Construct landscaped median island with a receiving pocket for northbound Storke Road.



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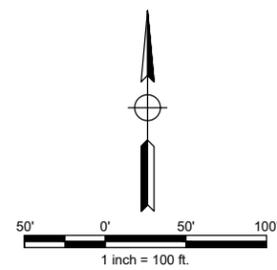
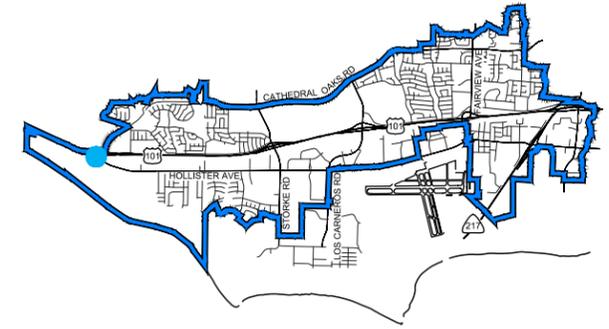
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Project I-12-33: Hollister Avenue and Cathedral Oaks Road Roundabout



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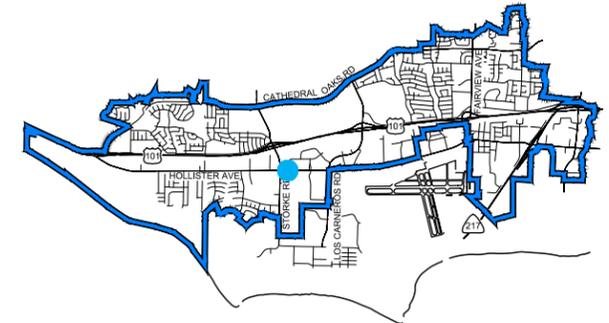
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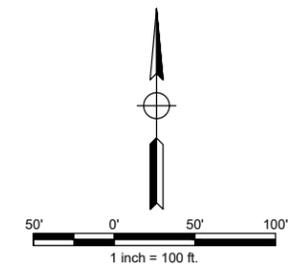
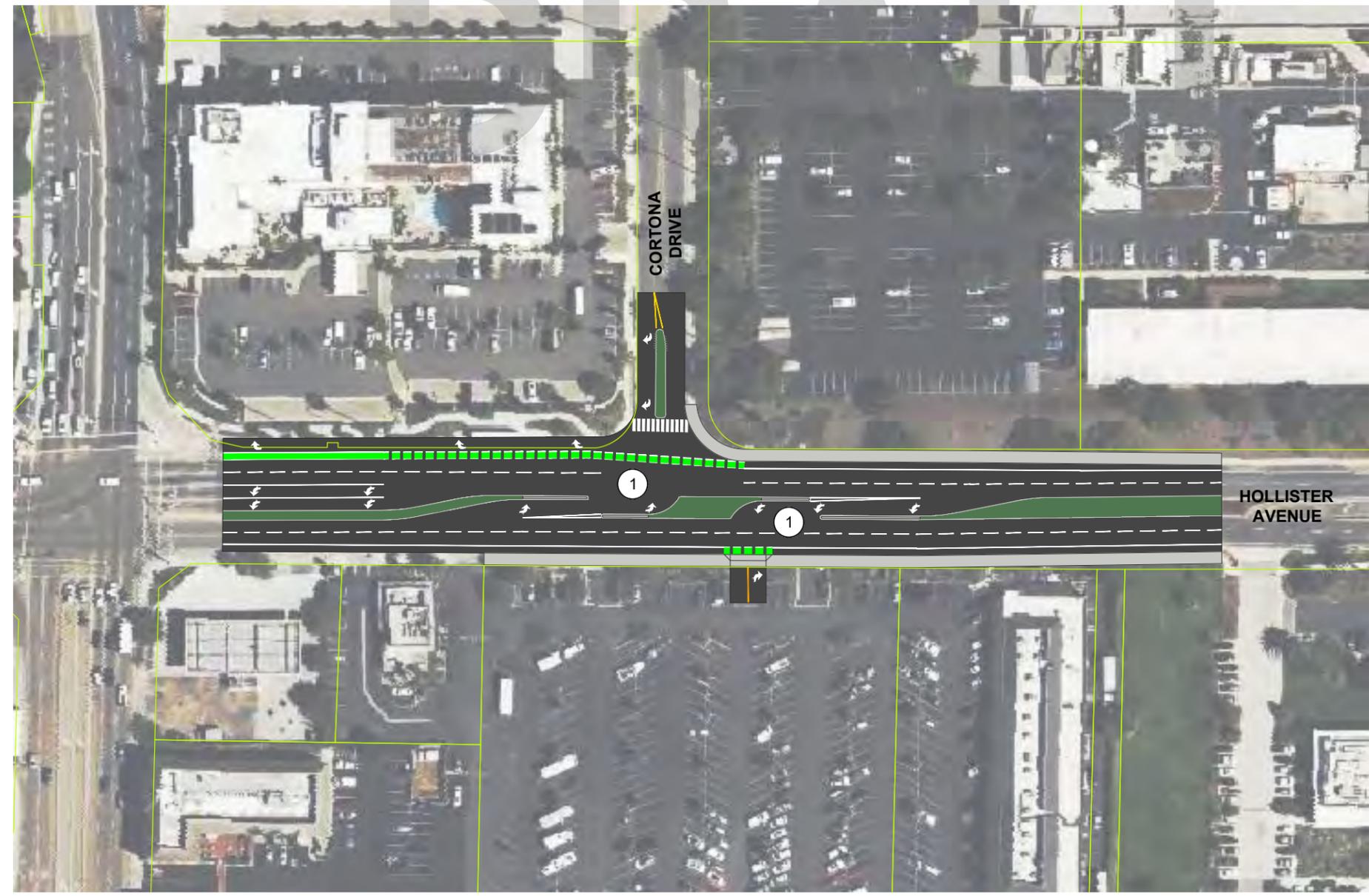
GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-12-34: Hollister Avenue and Cortona Drive Roundabout



Notes

- 1 Construct landscape median islands to prohibit left-turn movements on to Hollister Avenue from Cortona Drive and the shopping area parking lot while allowing left-turn movements from Hollister to these areas.



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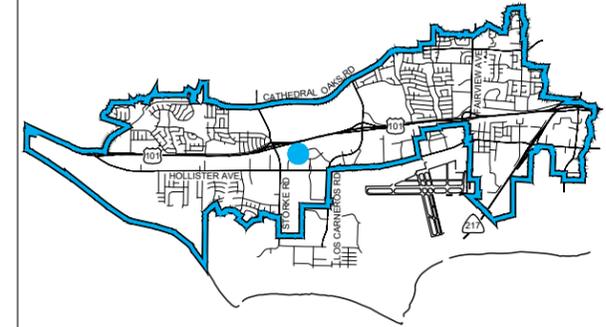


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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project I-18: Storke Road at US 101 Southbound Ramps



Notes

- ① Widen Storke Rd to the east to accommodate two free right turn lanes onto southbound US 101 on-ramp.
- ② Widen structure to accommodate new turning lanes and Class I paths.
- ③ Add Class I paths on both sides of Storke Road.



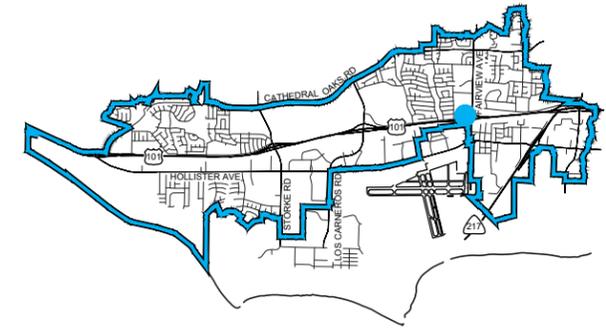
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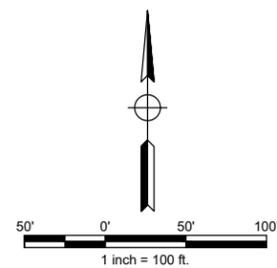
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Project I-22: Fairview Avenue at Hollister Avenue Roundabout



Notes

- ① Construct a two-lane roundabout at the intersection of Hollister Ave and Fairview Ave.
- ② Construct splitter islands in place of left turn lanes. Islands to connect to existing medians where present.
- ③ Construct Class I path.



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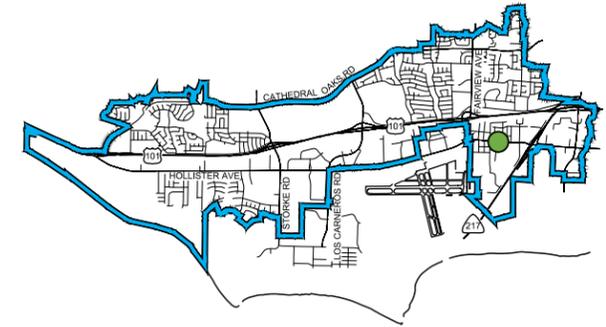
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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project R-02: Hollister Avenue Old Town (Complete Streets)



Notes

Hollister Avenue beautification and pedestrian improvements. Widen sidewalks and provide ADA accessible pathways, re-surface/repair asphalt, pavement delineation; install furniture and landscaping.



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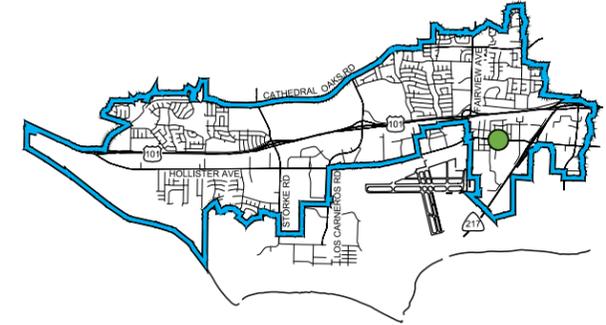
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Project R-02: Hollister Avenue Old Town (Complete Streets)



Notes

Hollister Avenue beautification and pedestrian improvements. Widen sidewalks and provide ADA accessible pathways, re-surface/repair asphalt, pavement delineation; install furniture and landscaping.



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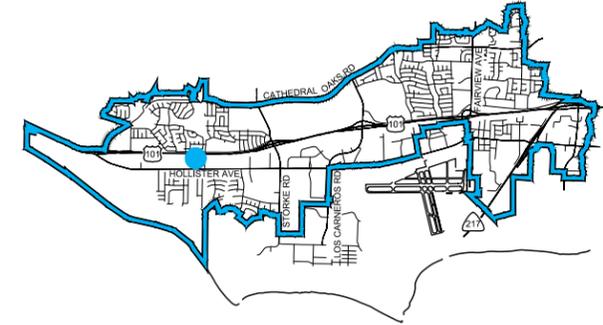
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Project R-05: Ellwood Station Overcrossing (US 101) and Overhead (JUPRR)



Notes

- ① Reconstruct Calle Real and San Rossano Drive to provide bicycle and pedestrian connectivity. Add traffic signal.
- ② Construct freeway over-crossing.
- ③ Construct railroad over-crossing.
- ④ Ellwood Station Road curb extension and sidewalk bypass around and then under structure.



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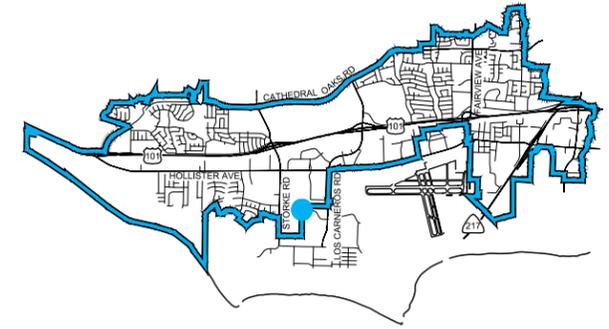
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Project R-09: Phelps Road Extension



NOTES

- ① Restripe Phelps Road for 11-foot lanes and 4-foot bike lanes.
- ② Install traffic signal at Bayberry Lane for "Day Care" center.
- ③ Link existing Phelps Road to proposed extension within County jurisdiction.
- ④ Extend Phelps Road from Mesa Road to Los Carneros Road. Widen existing road to the north to construct sidewalk, bike lanes, landscape strip and Class I facility.



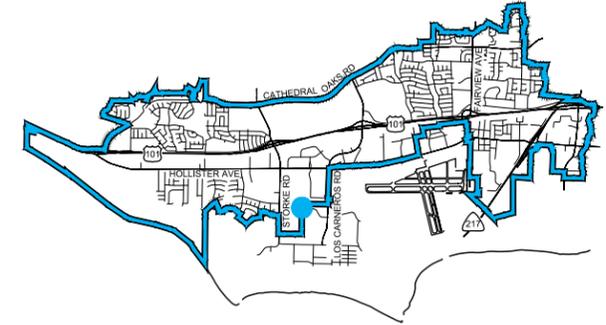
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Project R-09: Phelps Road Extension

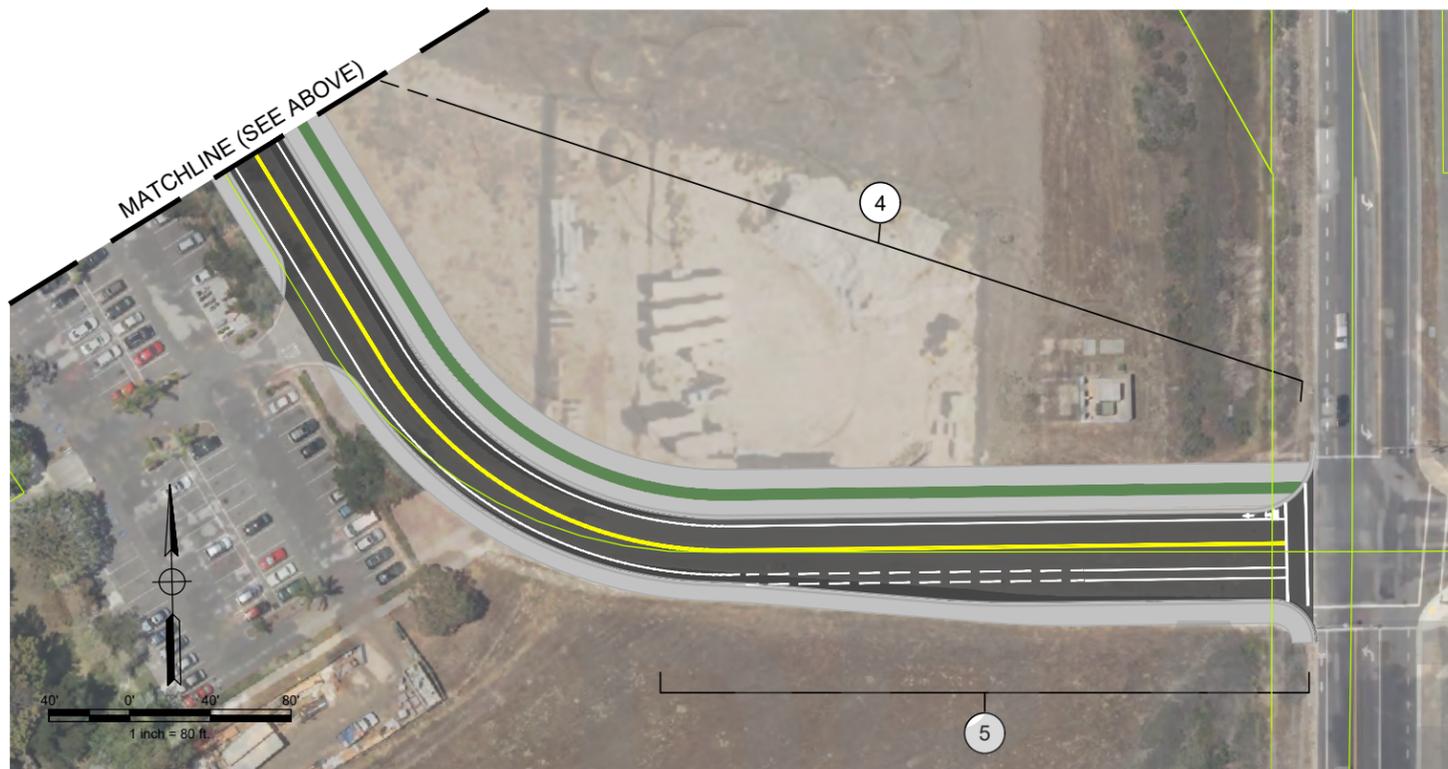


NOTES

- ④ Extend Phelps Road from Mesa Road to Los Carneros Road. Widen existing road to the north to construct sidewalk, bike lanes, landscape strip and Class I facility
- ⑤ Widen existing road to the south to construct a right turn lane



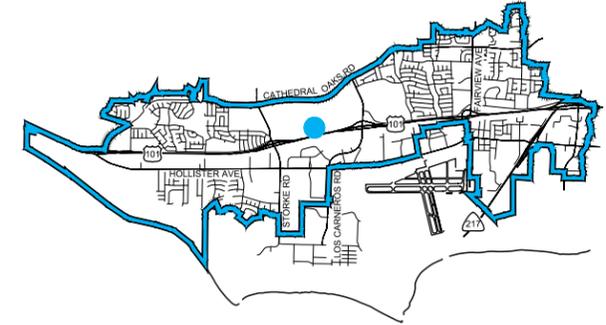
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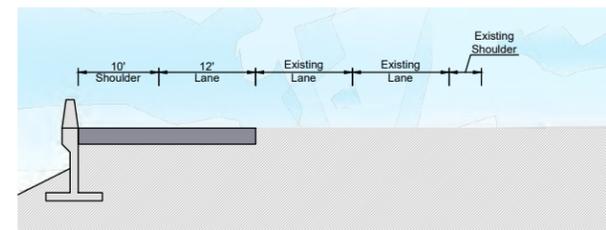


Project R-10: US 101 Northbound Auxiliary Lane (North Segment)



Notes

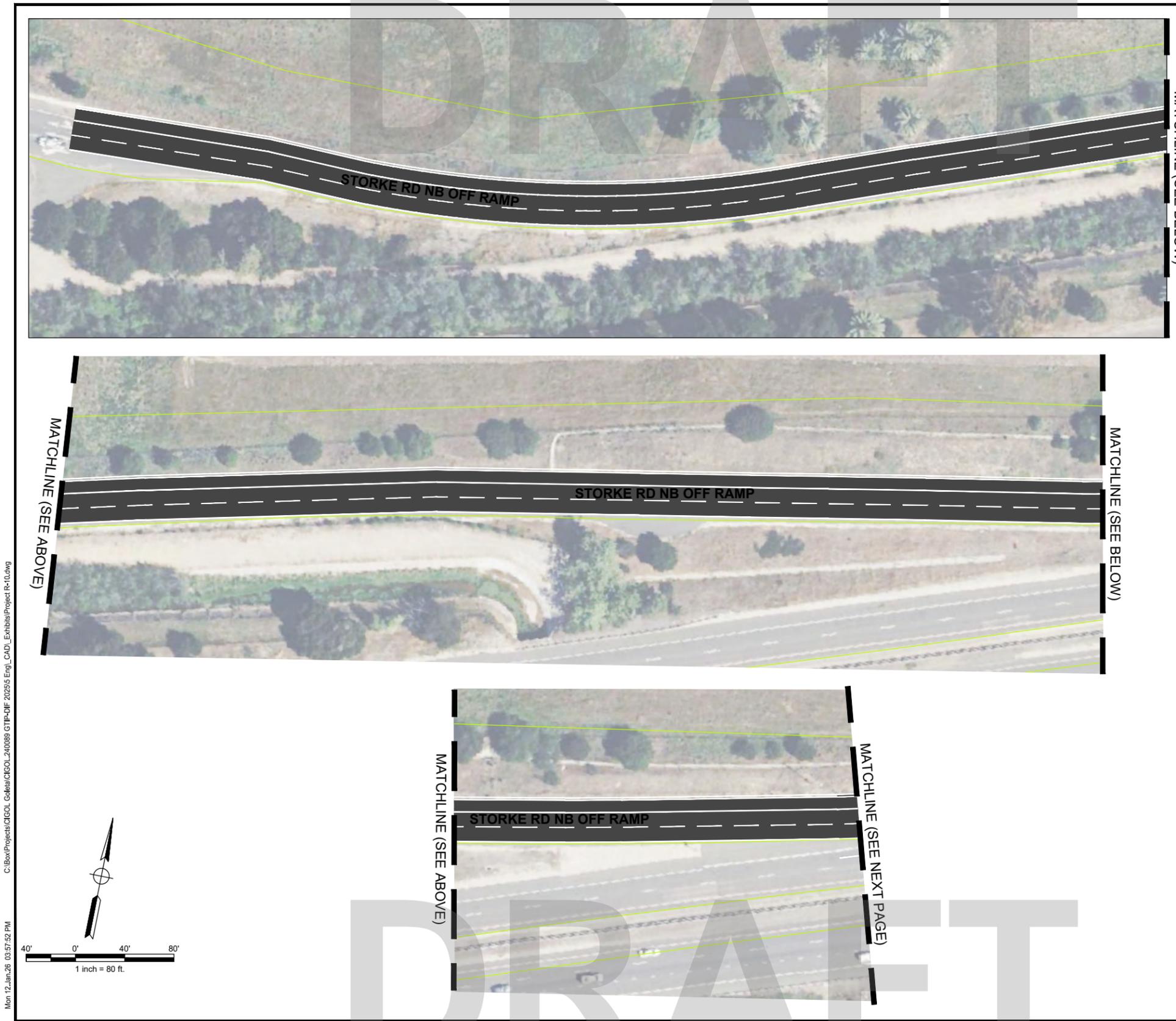
- ① Construct 12-foot auxiliary lane with 10-foot shoulder on northbound HWY 101 between Los Carneros Rd & Storke Rd ramps. See cross section A-A.
- ② Construct retaining wall. See cross section B-B.



Cross Section A-A



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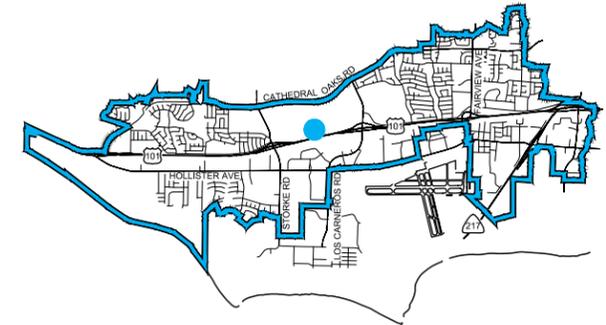
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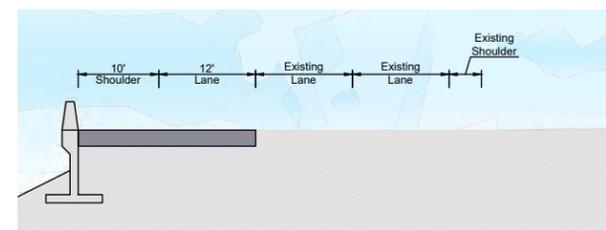
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Project R-10: US 101 Northbound Auxiliary Lane (North Segment)



Notes

- ① Construct 12-foot auxiliary lane with 10-foot shoulder on northbound HWY 101 between Los Carneros Rd & Storke Rd ramps. See cross section A-A.
- ② Construct retaining wall. See cross section B-B.

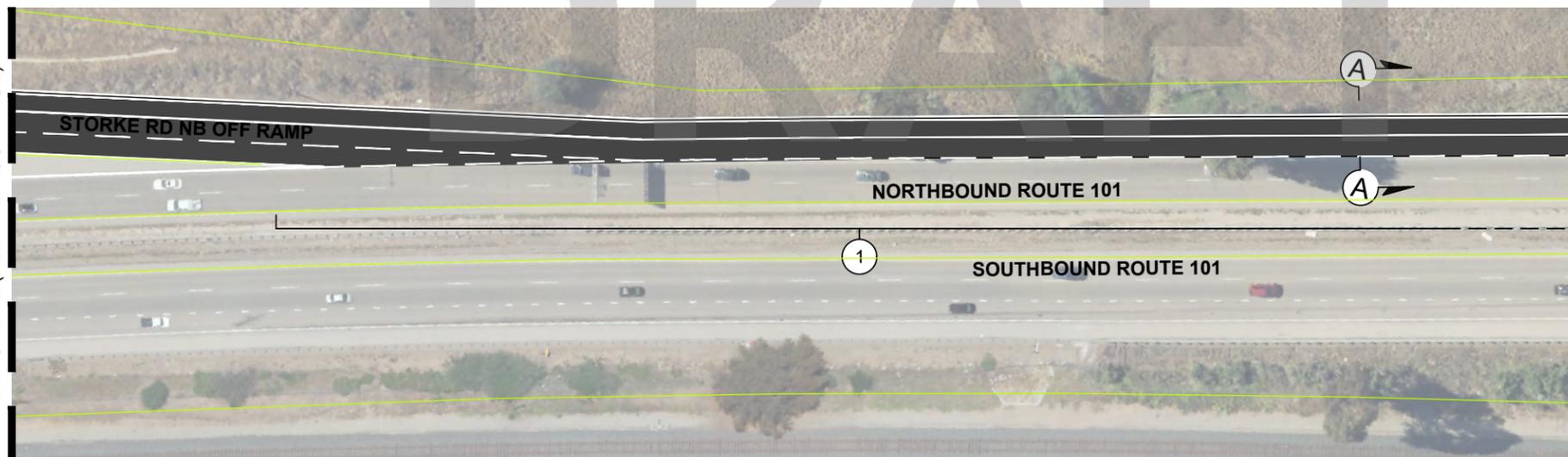


Cross Section A-A



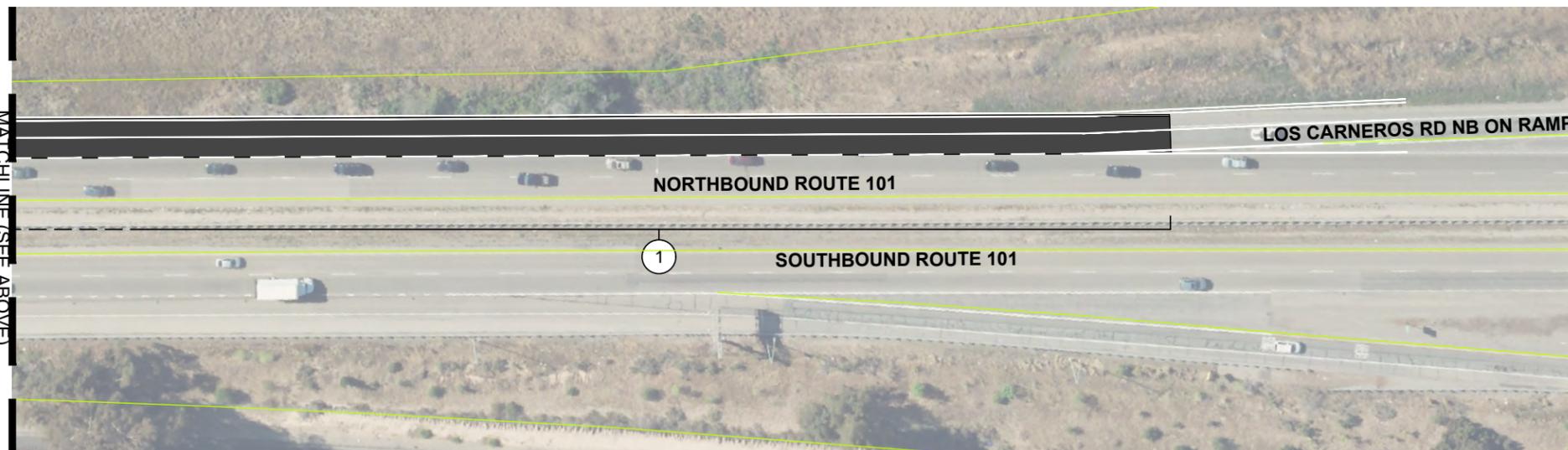
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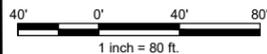


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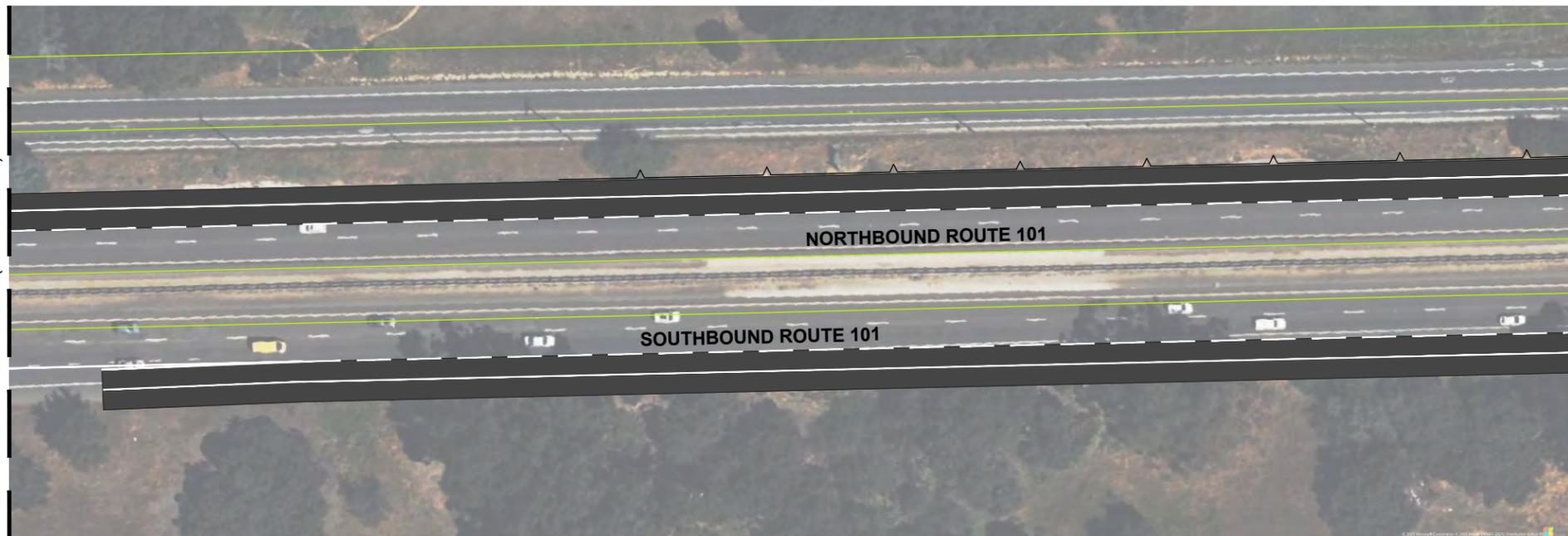
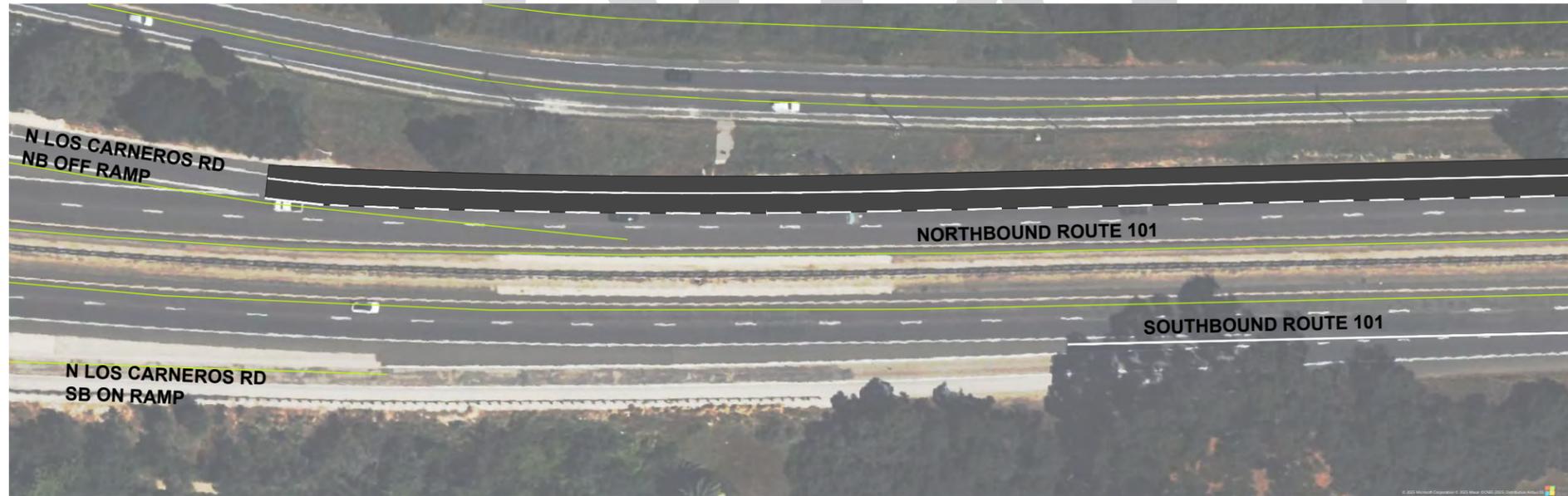
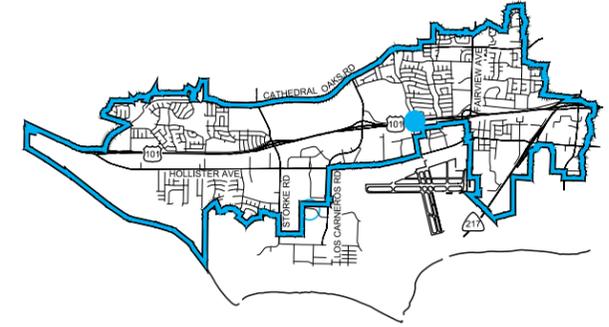
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GOLETA TRANSPORTATION IMPROVEMENTS PROGRAM

Project R-11: US 101 Northbound and Southbound Auxiliary Lanes (South Segment)



40' 0' 40' 80'
1 inch = 80 ft.

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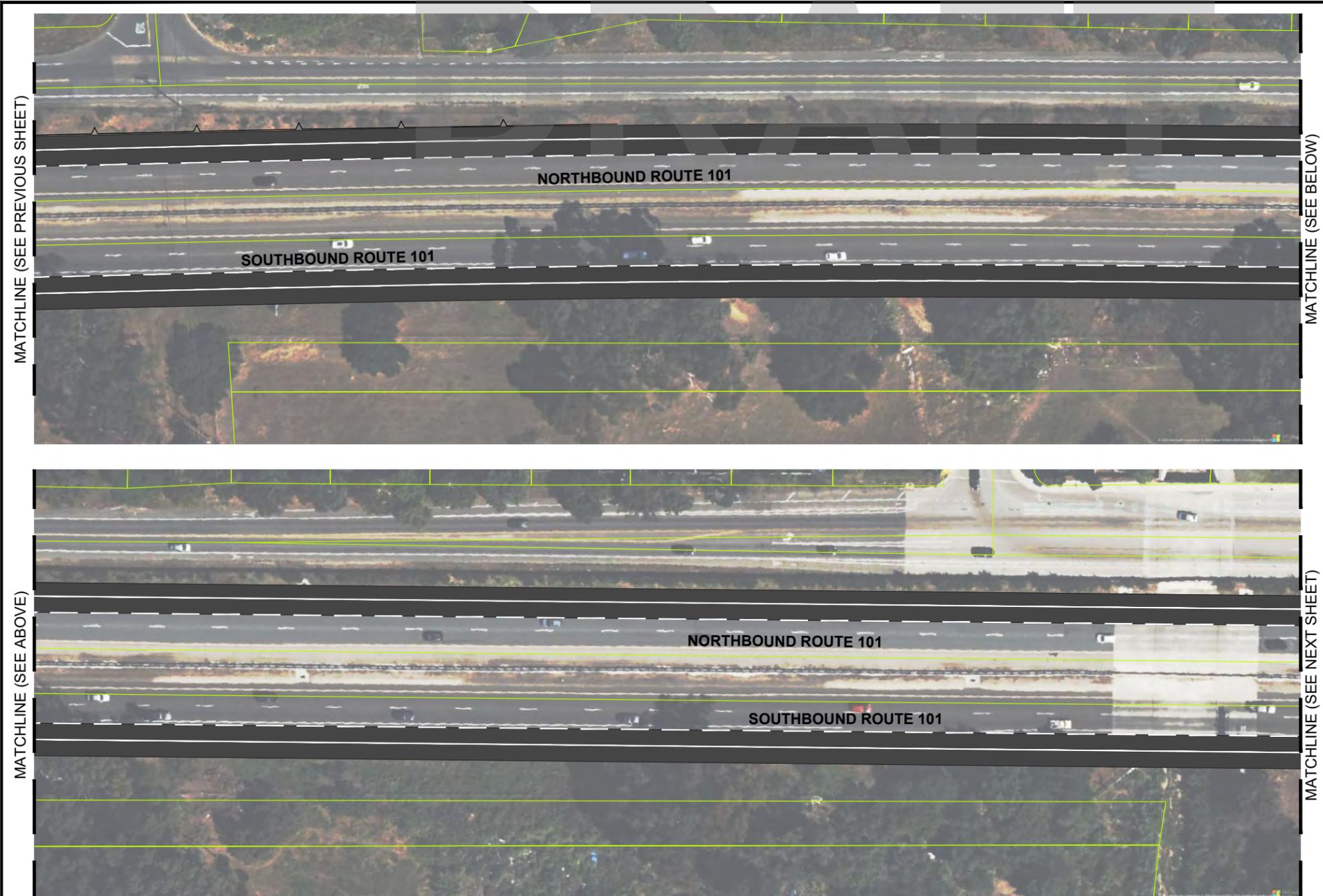
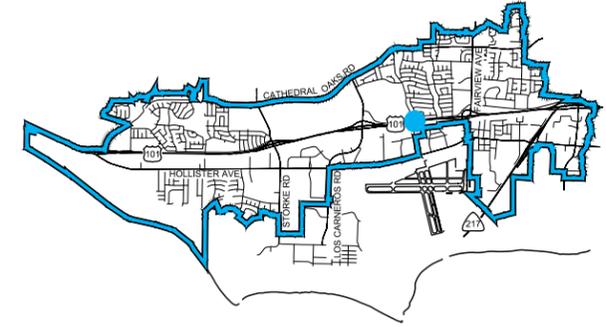
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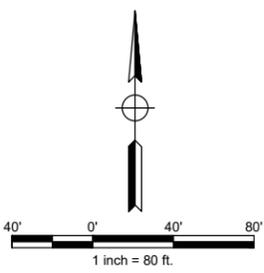
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Project R-11: US 101 Northbound and Southbound Auxiliary Lanes (South Segment)



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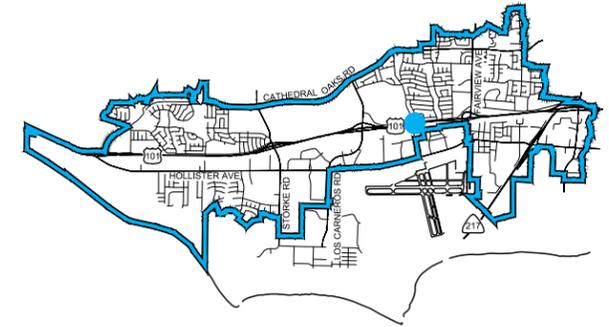
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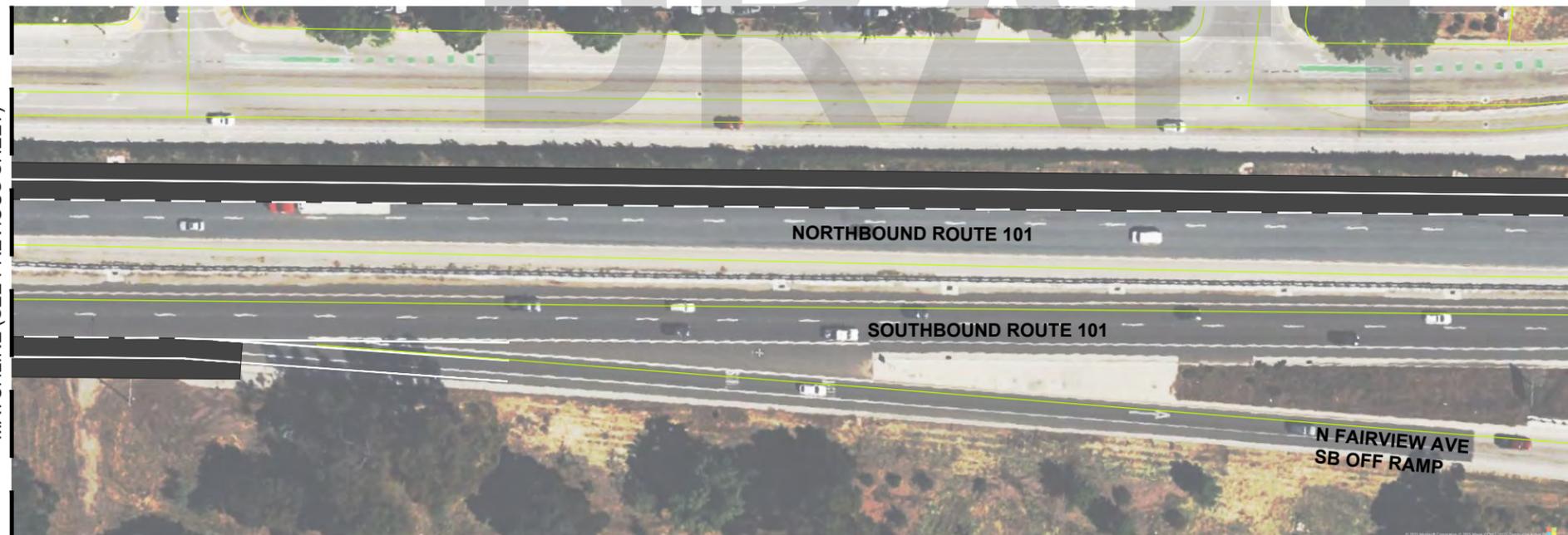


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Project R-11: US 101 Northbound and Southbound Auxiliary Lanes (South Segment)

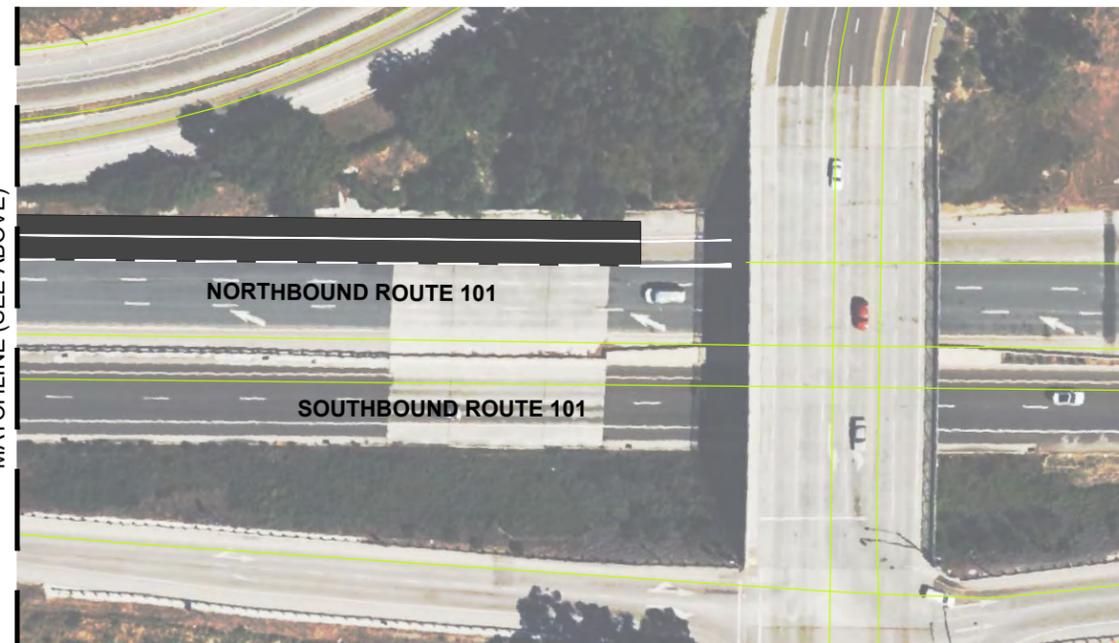


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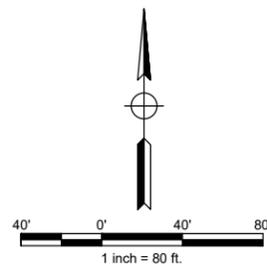


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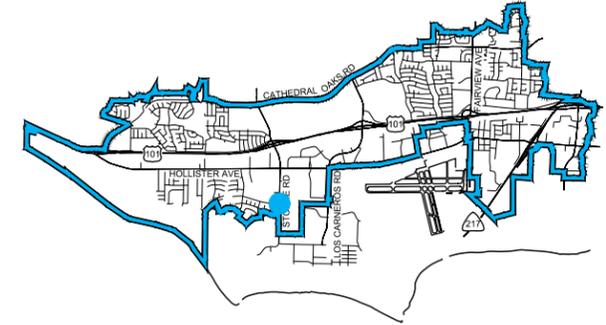
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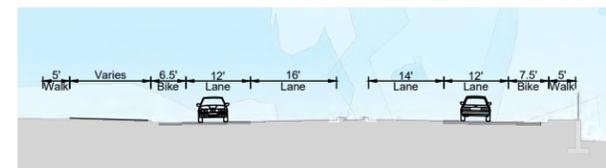


Project R-12: Storke Road



Notes

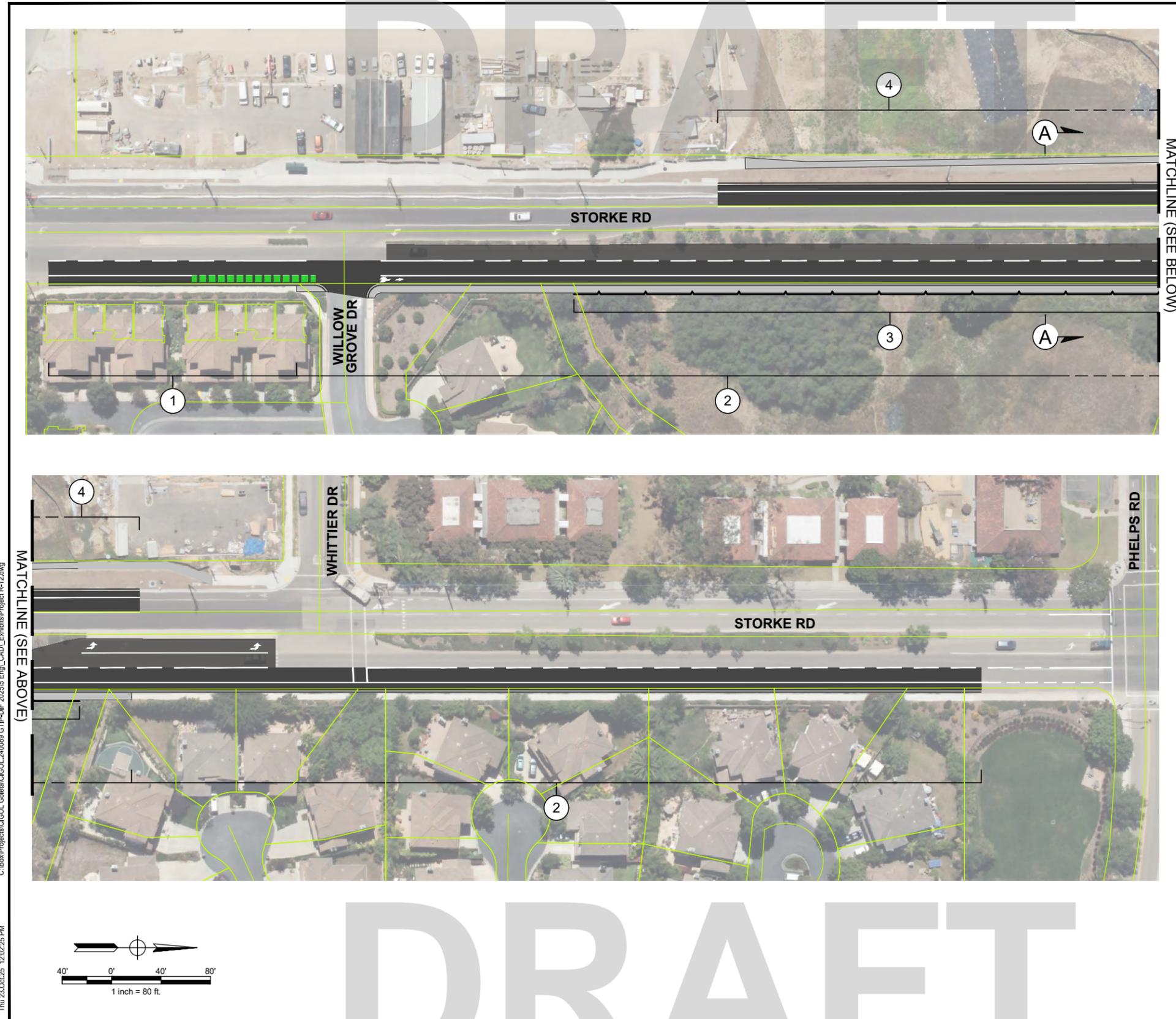
- ① Widen Storke Rd to the east to accommodate two northbound vehicle lanes and a bicycle lane. Protect existing sidewalk in place.
- ② Widen Storke Rd to the east to accommodate two northbound vehicle lanes, a bicycle lanes, and new sidewalk.
- ③ Construct a retaining wall with decorative railing at the back of new sidewalk to avoid right-of-way impacts.
- ④ Widen Storke Rd to the west to accommodate two southbound vehicle lanes and a bicycle lane. Construct new sidewalk separated from roadway connecting existing sidewalk segments.



Cross Section A-A

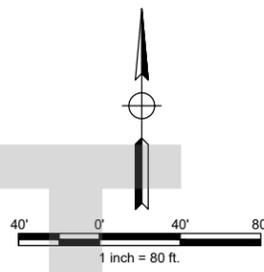
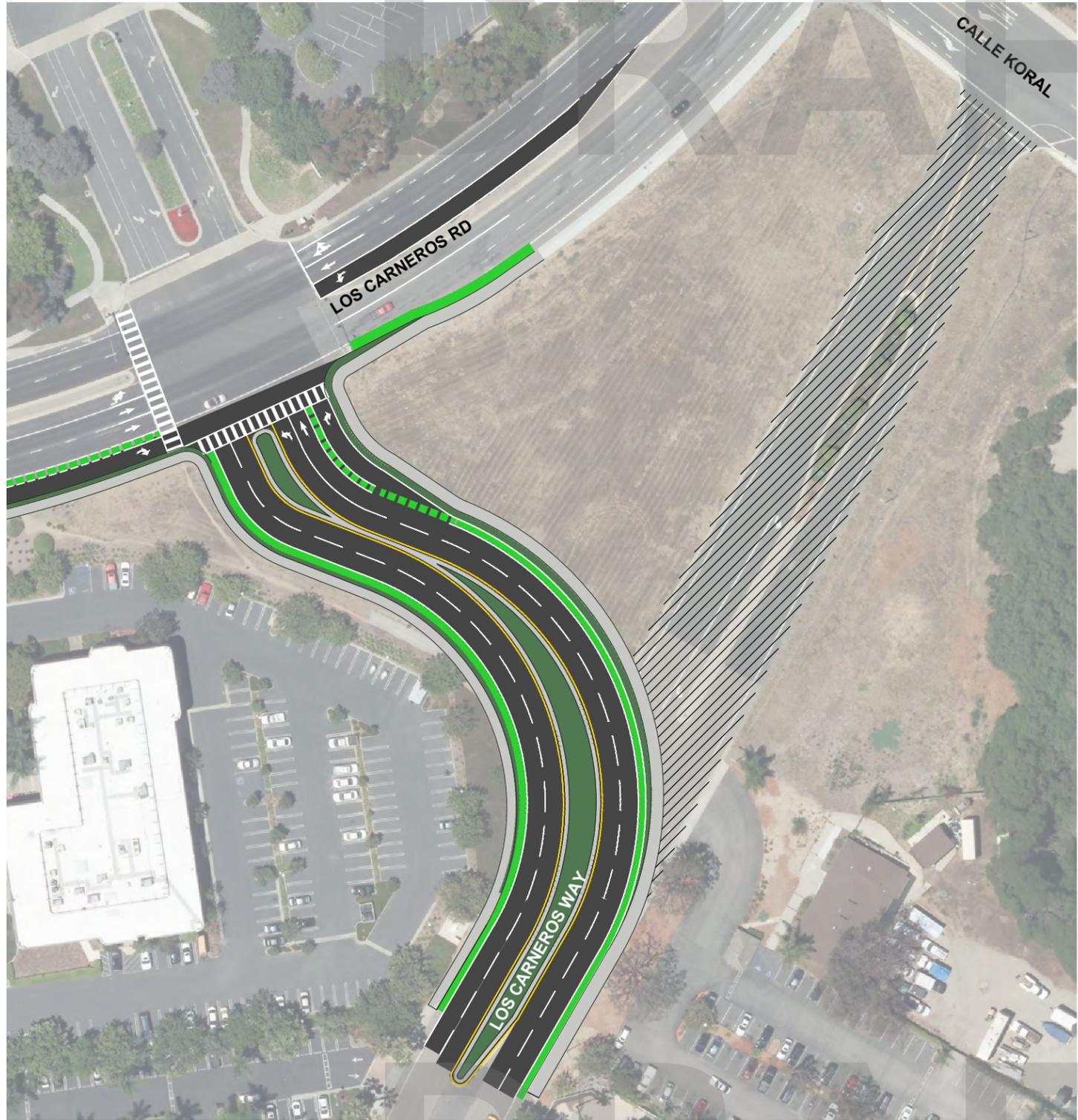


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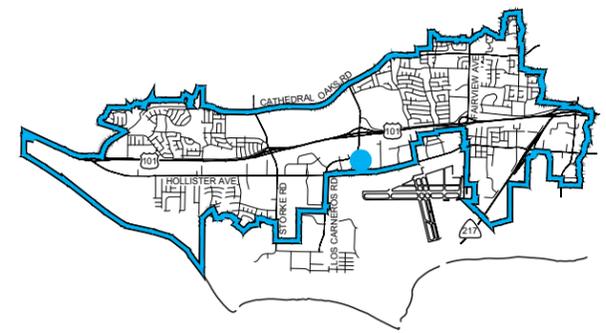
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GOLETA TRANSPORTATION
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**Project R-13: Los Carneros Way
Realignment**



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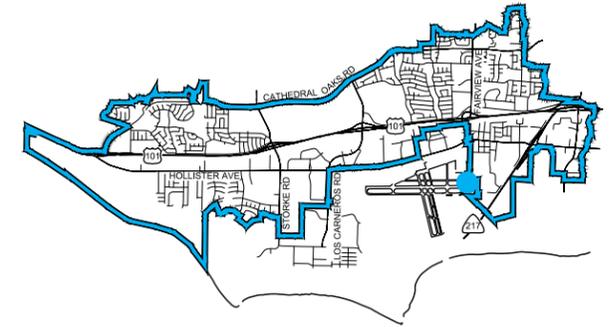
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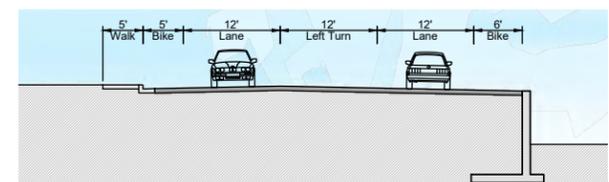
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Project R-14: South Fairview Avenue Widening



Notes

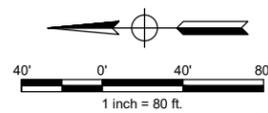
- 1 Widen Fairview Ave to the west to include a sidewalk on the east side, a bicycle lane, one vehicle lane in each direction, and a center turning lane. See cross section A-A.



Cross Section A-A



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ATTACHMENT 2

2025 Development Impact Fee Program PowerPoint Presentation



Development Impact Fee Nexus Study Update

February 17, 2026

Luz “Nina” Buelna, Public Works Director

Robert Spencer, Urban Economics

Carlos Villarreal, Urban Economics

Jim Damkowitz, DKS

Gerald Comati, Contract Project Manager

Background

- DIF program adopted at City incorporation using County Nexus Studies
- City adopted its own DIF Nexus Study and ordinance in 2019
- DIFs fund public facilities needed to serve new development
- Fees apply to residential, commercial, and industrial development
- Development Impact Fee or DIF program - at City incorporation, adopted ordinances and nexus studies conducted by the County
- The Current DIF's are:
 1. Public Administration
 2. Fire Facilities
 3. Library
 4. Parks and Recreation Facilities
 5. Storm Drain
 6. Transportation (Road/Rail)
 7. Bicycle and Pedestrian
 8. Affordable Housing Fee (in-lieu and Nexus Fee)
- Authorized under the Mitigation Fee Act
- Fire Facilities fee update not included and will be addressed separately

What Is A Development Impact Fee?

- ▶ DIFs fund “public facilities” required to serve new development
- ▶ One-time charge for capital facilities
- ▶ A DIF is not:
 - A funding source for operations or maintenance costs
 - A special tax or special assessment
 - Subject to Proposition 218 approval requirements

February 17, 2026 City Council Meeting



Mitigation Fee Act Findings

- ▶ **Key findings to demonstrate nexus:**
 - **Need:** Development creates need for facilities
 - **Benefit:** Development benefits from the use of revenue
 - **Rough Proportionality:** Fee amounts are proportional to development's share of facility costs (i.e., proportional to demand)
- ▶ **Other findings**
 - Purpose of fee
 - Use of fee revenue

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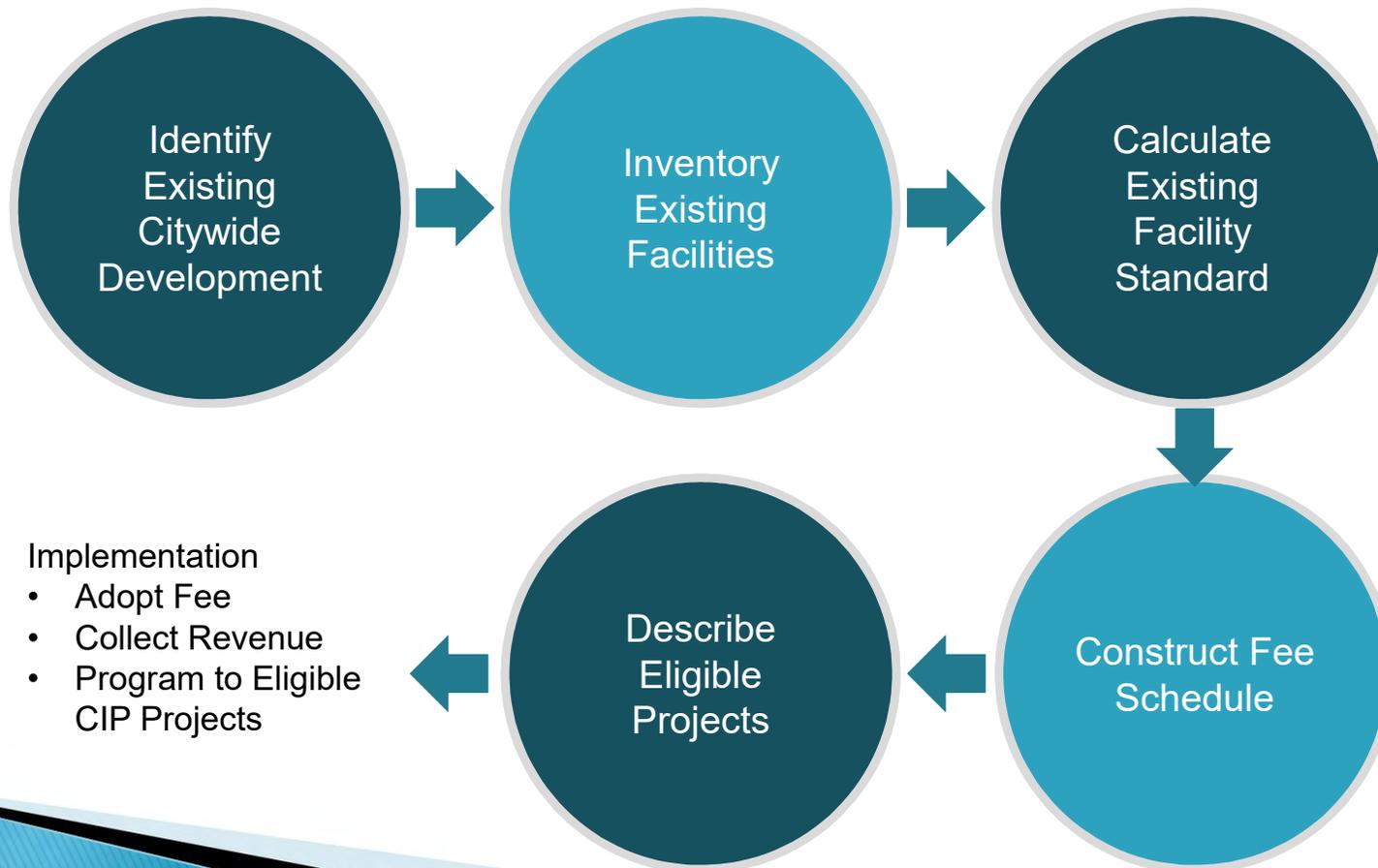


2025 DIF Nexus Study Update – What We Did

All DIFs except Transportation

- ▶ Review existing DIF program and legislative changes
- ▶ Update base year, and buildout land use scenario, population and employment estimates
- ▶ Update existing asset inventories, level of service
- ▶ Convert residential fees to per square foot, from per dwelling unit to comply with AB 602

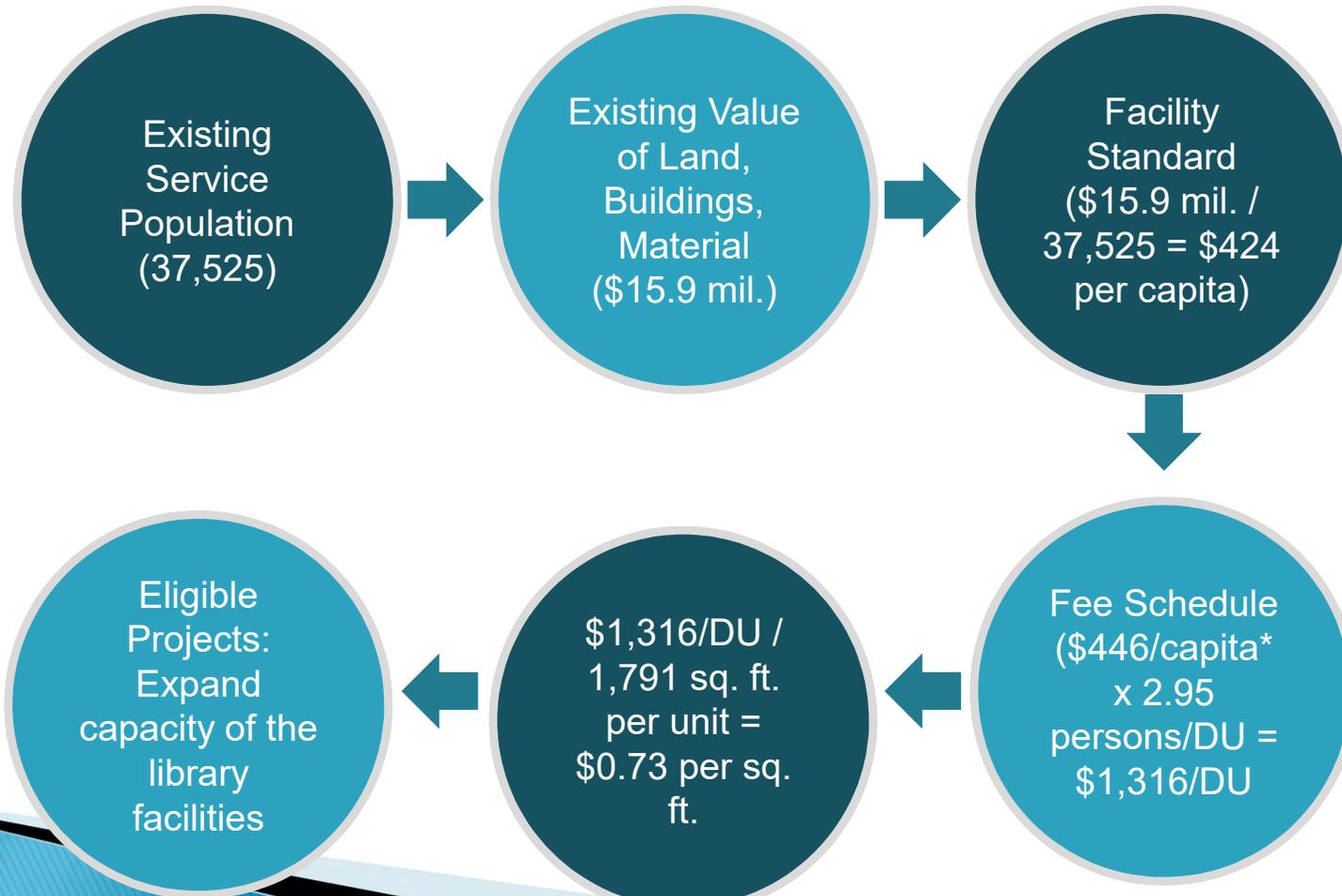
Nexus Analysis – Except Transportation



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Example – Libraries



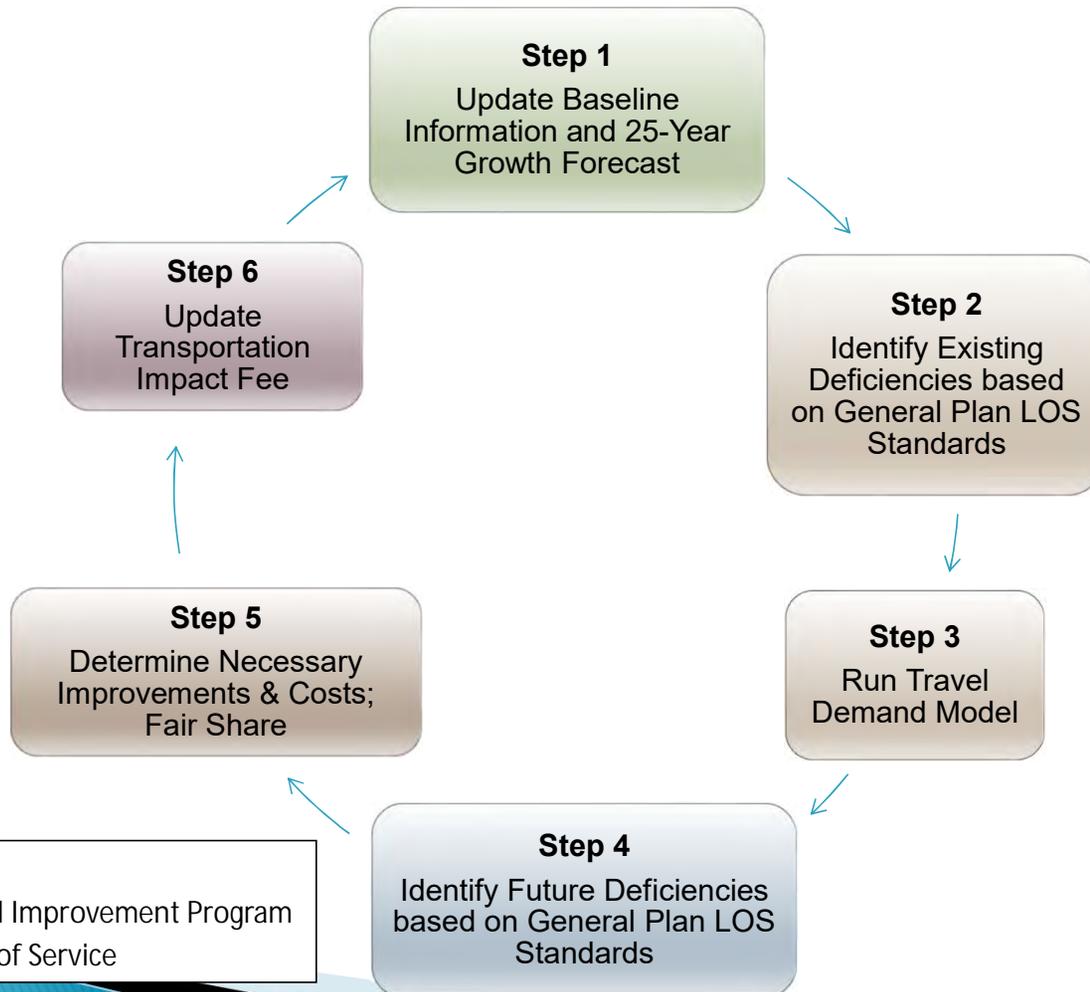
* Includes additional 5% for fee program administration

Growth Projections (Buildout)

Land Use	Existing (2025)	Buildout	Growth (% Buildout)	
Residential (dwelling units)				
Single Family Detached	5,533	6,511	978	15%
All Other Residential	<u>7,622</u>	<u>9,973</u>	<u>2,351</u>	<u>24%</u>
Total Dwelling Units	13,155	16,484	3,329	20%
Non-residential (1,000 sq. ft.)				
Retail / Commercial	3,353	4,621	1,268	27%
Office & Medical	3,187	5,058	1,871	37%
Industrial	<u>6,684</u>	<u>7,572</u>	<u>888</u>	<u>12%</u>
Total Bldg. Sq. Ft. (1,000s)	13,224	17,251	4,027	23%



Transportation DIF Process



Acronyms:

CIP: Capital Improvement Program

LOS: Level of Service



Transportation DIF – Why Update?

- **New legislative updates**
 - AB 602 (residential expressed in sq. ft. | noticing requirements)
 - SB 99 (ADUs)
 - AB 358 (VMT Efficient Residential Housing Discount)
- **AB 1600 Requires Periodic Updates**
 - Reflect updated land use assumptions and analysis tools
 - Every 5-years
 - City has been adjusting fees to account for inflation and changes in construction costs
- **Source of the current fees is the 2019 DIF**
 - Update Growth Projections (Based on the adopted City General Plan)
 - 2015 City Traffic Model
 - Institute of Transportation Engineering (ITE) Trip General Manual (10th Edition)
 - 2019 Construction Costs



Transportation DIF Update – What We Did

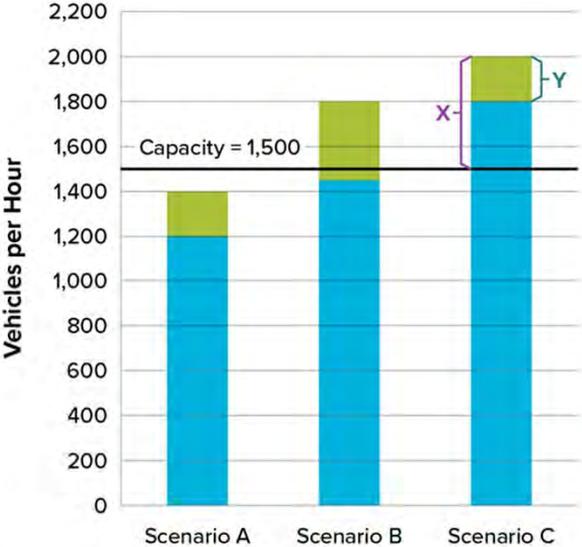
- ▶ Citywide Traffic Counts
- ▶ Update Travel Model to 2024 Baseline
 - Permit Data & School/College Enrollment Data
 - Validated to State/Federal criteria
- ▶ Update Land Use Forecasts – input to Travel Model
 - General Plan Buildout and Update Resolutions,
 - County/City Rezones, Enrollment projections, UCSB LRDP projections, Specific Plans
- ▶ Model output identifies transportation deficiencies
 - Baseline Conditions: Traffic Counts
 - Future Year Conditions: 2050 Travel Forecasts
- ▶ Project Team identified improvement projects to remedy deficiencies
 - New or widened roadways
 - Intersection channelization
 - Intersection Control Type
- ▶ Determine project delivery cost estimates.
- ▶ Fair share of improvement costs to new development



Traffic Fee Fair Share Assessment

% of Project Cost Attributable to New Development

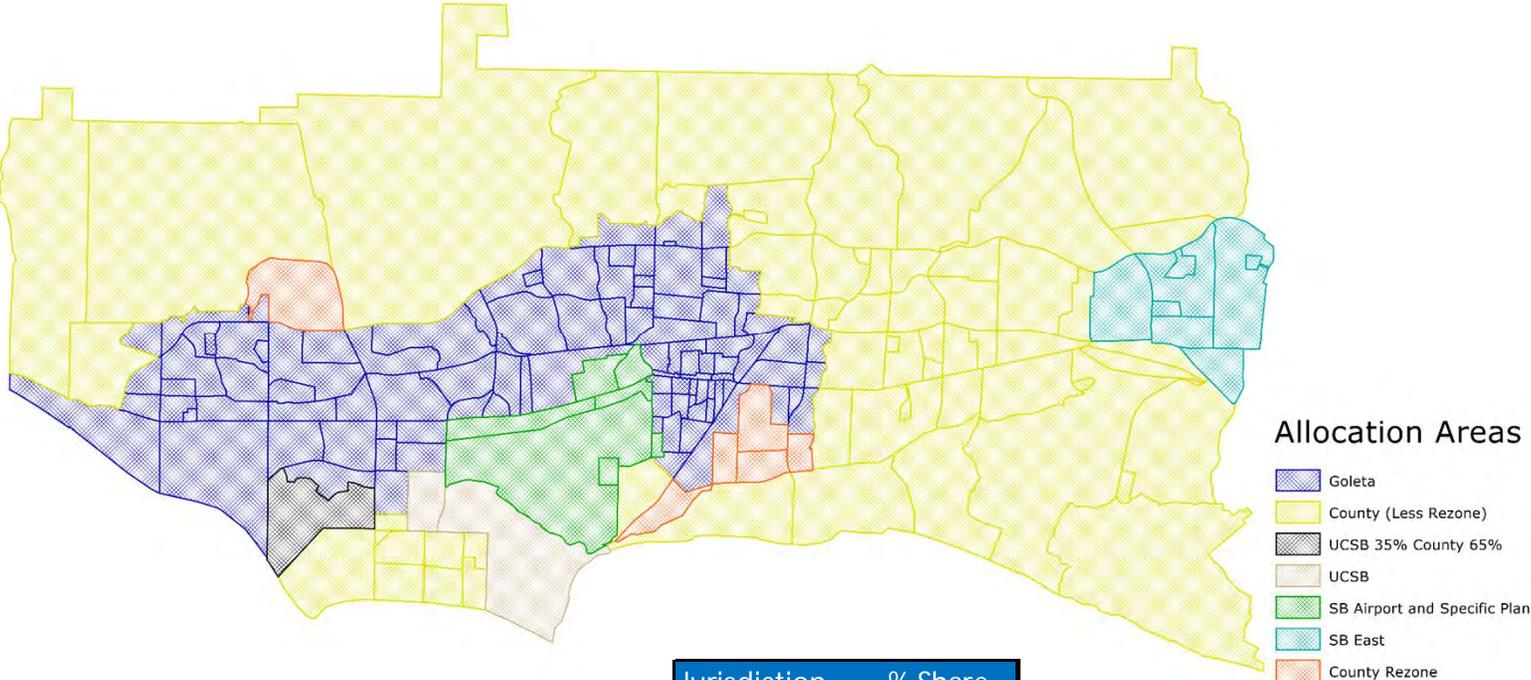

 Estimate fair share to new development



- Scenario A:** No Deficiency. No Fee Charged.
- Scenario B:** Deficiency triggered by new development. 100% attributable to new development.
- Scenario C:** Existing deficiency: New development's fair share of worsening the existing deficiency is Y / X .



Fee Fair Share Assessment



Jurisdiction	% Share
Goleta	64.40%
County	23.34%
City of SB	7.17%
UCSB	5.09%

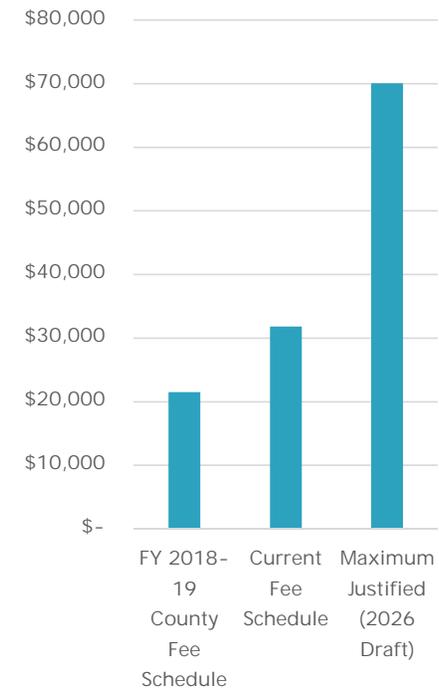


Existing & Maximum Justified Fees

All Residential except Single Family

Fee per dwelling unit

Fee	Existing	Maximum Justified	Change	
Public Administration	\$2,999	\$7,346	\$4,347	147%
Library	\$934	\$923	(\$11)	(1%)
Parks	\$13,175	\$23,083	\$9,908	75%
Storm Drain	\$3,494	\$3,904	\$410	12%
Transportation	\$8,166	\$17,695	\$9,529	117%
Bicycle & Pedestrian	\$3,006	\$17,059	\$14,053	467%
Fire	\$840	\$840	\$0	0%
Total	\$32,614	\$70,900	\$38,286	117%



Factors Driving Change to DIFs

Reason for Increases to Maximum Justified Fees:

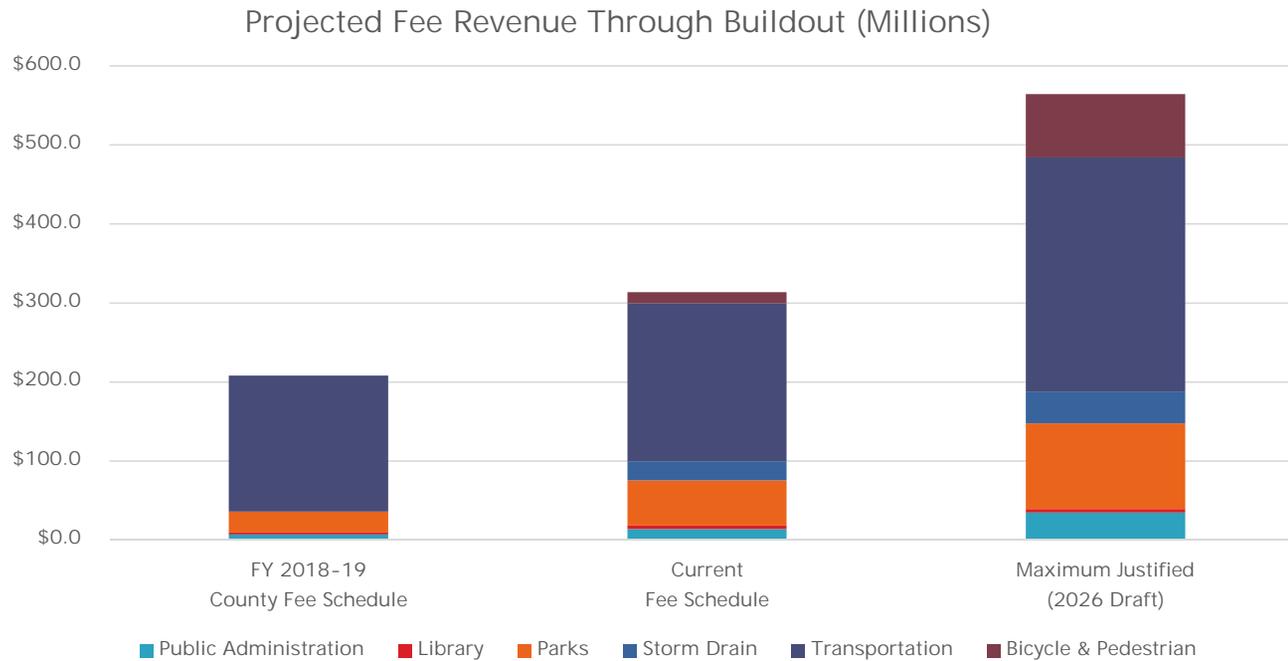
- a. Revised transportation projects deficiency list and projects to address deficiencies.
- b. Updated and more accurate (in this case larger) inventory of existing facilities (assets) through GIS software, resulting in a higher existing level of service
- c. Increased construction and land acquisition costs since 2019

Why Changes in Fee Amounts?

Public Administration	Increase in fee due to updated asset inventories (new building acquired by City and built by the City) and increases in replacement construction costs, and land values.
Library	No significant changes.
Parks	Increase in fee due to updated inventories and increases in replacement construction costs, and land values.
Storm Drain	Increase in fee due to a more accurate and comprehensive calculation of existing assets and significant increase in the cost of construction since 2019. Revised to use impervious surface generation as demand factor.
Transportation	Increase in fee due to the significant increase in the cost of construction since 2019.
Bicycle & Pedestrian	Increase in fee due to a more accurate and comprehensive calculation of existing assets and significant increase in the cost of construction since 2019.

Existing & Maximum Justified Fees Total Revenue

\$ millions



* Does not assume any potential reductions / exemptions from beneficial land uses resolutions.

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Next Steps



Questions

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