# CITY OF LOMPOC PLANNING COMMISSION STAFF REPORT



**DATE:** June 11, 2014

**TO:** Members of the Planning Commission

**FROM:** Lucille T. Breese, AICP, Planning Manager

Michael Luther, City Engineer/ Assistant Public Works Director

**RE:** Request For Alternative Mitigation, Amendment No.

2 to Burton Ranch Specific Plan, and Review of Addendum to the Final Environmental Impact Report (EIR) For the Burton Ranch Specific Plan (Planning Division File No. FEIR 02-01 /SP 04-01)

# AGENDA ITEM NO. 2 Continued from May 14, 2014 meeting

A request by Michael Towbes, representing Harris Grade Partners, L.P.; Patrick J. McCarthy and Bridget M. McCarthy; Donald M. Jensen and Lynn D. Gray; Lompoc Ranch Joint Venture; Joe A. Signorelli, Jr.; Adam Peter Signorelli; Gus Thomas Signorelli; and The Towbes Group, Inc. for Planning Commission consideration of an alternative mitigation for Mitigation Measure TRANS 1.2c. adopted with the Final Environmental Impact Report (FEIR 02-01) prepared and certified for the Burton Ranch Specific Plan (BRSP) area and Amendment No. 2 to the BRSP. The project site is located at the intersection of State Highway Route 1, Purisima Road, and Harris Grade Road.

The Planning Commission will make a recommendation to the City Council based on newly updated traffic information. An Addendum to FEIR 02-01, pursuant to the requirements of the California Environmental Quality Act (CEQA) has been prepared and will be considered. (Assessor Parcel No. 97-250-002, -005, -040,-050, -051, -062, and -069).

#### Scope Of Review:

The Planning Commission is being asked to consider:

- If there is adequate information to make a recommendation for alternative mitigation for Mitigation Measure (MM) TRANS 1.2c;
- If the BRSP Amendment No. 2 should be recommended;
- If the environmental Addendum is consistent with the approved BRSP, the City of Lompoc 2030 General Plan, and CEQA requirements; and,
- If the required Findings of Fact can be made.

#### **Recommendation:**

Staff recommends that the Planning Commission:

- Hold the Public Hearing and consider the material presented in the staff report;
   and
- Adopt Resolution No 771(14) recommending City Council:
  - o accept the attached draft Addendum to the BRSP EIR 02-01;
  - accept the proposed alternative MM and amend the Conditions of Approval for the BRSP; and
  - o adopt Amendment No. 2 to the BRSP.

#### Site Data:

1.		Harris Grade Partners, L.P.; Patrick J. McCarthy and Bridget M. McCarthy; Donald M. Jensen and Lynn D. Gray; Lompoc Ranch Joint Venture; Joe A. Signorelli, Jr.; Adam Peter Signorelli; Gus Thomas Signorelli; and The Towbes Group, Inc.
2.	Site Location	Harris Grade at Highway 1
3.	Assessor Parcel Numbers	97-250-002, -005, -040, -050, -051, -062, and -069
4.	Site Zoning	Specific Plan (SP)
5.	General Plan Designation L	_ow Density Residential (LDR) - 4.6 units per acre
6.	Site Use\	Vacant
7.	S S	North: Burton Mesa Ecological Reserve (SBCO) South: La Purisima Highlands (City of Lompoc) East: Church, single family residential, vacant (SBCO) West: Alan Hancock College campus, Ken Adam Park (City of Lompoc)
8.	Project Area	Approx. 143 acres of 150 acre Specific Plan Area

#### **Background:**

Previous Planning Division File Numbers:

- EIR 02-01 Revised Final Environmental Impact Report Revised (FEIR)
- GP 02-01 General Plan Amendment

- ZC 02-01 Pre-zoning Request
- Annexation No. 70 Request for Annexation
- SP 04-01 Burton Ranch Specific Plan
- DR 05-35 Development and Annexation Agreement
- DR 07-02 Development Plan Review/Architectural Review
- LOM 567 Tentative Subdivision Map Jensen 55 residential units
- DR 07-01 A Development Plan/Architectural Review
- LOM 570 Tentative Subdivision Map Towbes 210 residential units

Dec 12, 2005: Planning Commission recommended City Council certification of FEIR, approval of Specific Plan, Annexation request, General Plan Amendment, Zoning, and Development Agreement for the Burton Ranch Specific Plan Area

Feb 7, 2006: City Council certified the Revised Final Environmental Impact Report (Revised FEIR 02-01 -- SCH No. 2002091045) and adopted the Burton Ranch Specific Plan (SP 04-01)

May 31, 2007: Effective date of Annexation to the City of Lompoc

May 6, 2014: City Council approved a Time Extension Request for the Burton Ranch Specific Plan (BRSP) Area Development Agreement (Planning Division File No. SP 04-01/DR 05-35)

#### The Burton Ranch Specific Plan:

The Burton Ranch Specific Plan (BRSP) was adopted by the City Council in February 2006. Amendment No. 1 was approved in September 2007. The BRSP was deemed consistent with the City General Plan when it was adopted as required by State Law. Where the BRSP is contrary to the Zoning Ordinance, Subdivision Ordinance or other Development Standards, the BRSP regulations govern development in the Plan Area.

The Burton Ranch Specific Plan consists of eleven separate assessor's parcels that are owned by eight (8) individual landowners. The eleven parcels comprise approximately 149-acres located within the City of Lompoc, situated between State Highway 1 to the west and south, Harris Grade Road to the east, and the Burton Mesa Ecological Preserve to the north. The ownership and acreage of each assessor's parcel in the Specific Plan area is provided in the table below. The term "Plan Unit" is used in the Revised FEIR to characterize the assessor parcels that are owned by each landowner.

Plan	David O	Assessor Parcel	A	Percent of Total	
Unit Property Owner		Number	Acreage	Acreage	
Harris Grade Partners, L.P.  330 E. Canon Perdido St., Ste. F Santa Barbara, CA 93101-7229		97-250-040	32.2	21.4	
	Lamasa Banah Jaint Vantura at al	97-250-005	23.61		
0	Lompoc Ranch Joint Venture, et al. c/o The Towbes Group, Inc.	97-250-050	2.56	67.5	
2	21 E. Victoria St., Ste. 200	97-250-051	33.11		
	Santa Barbara, CA 93101	97-250-062	41.01		
Earl Howell 3 3001 Harris Grade Road Lompoc, CA 93436  Nodlew, Inc. 4 P.O. Box 366 Santa Maria, CA 93456		97-250-013	0.70	0.5	
		97-250-039	0.85	0.6	
5	Clarence and Janet Smith 5 247 Kingston Hill Way Los Gatos, CA 95032		2.06	1.4	
6	Patrick McCarthy	97-250-069	2.49	1.7	
Gilbert Herrera, Gilbert De Lamora, Edwin Davis  Trustees for Lompoc Congregation of Jehovah's Witnesses 412 South H Street Lompoc, CA 93436		97-250-070	1.49	1.0	
8	Patrick McCarthy	97-250-002	8.9	5.9	
	Total	•	148.98	100%	

The BRSP allows a total of 476-residential units comprised of Single Family Residential and Multi-Family Residential units. The type of product marketed is left to the developer to propose.

The Specific Plan included residential, recreational, open space, and educational land uses. In 2005, the Lompoc Unified School District notified the City that the District Board had voted not to pursue the acquisition of the school site property in Land Use Area 5, allowing the area to be utilized for residential use as noted in the BRSP.

#### **Discussion:**

#### **Proposed Alternative Mitigation Measure**

A Final Revised Environmental Impact Report (EIR 02-01) for the BRSP (SCH # 2002091045) was prepared by Science Applications International Corporation (SAIC) in September 2005. The City Council adopted Resolution No. 5299 (06) certifying FEIR 02-01, making the required California Environmental Quality Act (CEQA) findings of fact and making the necessary statement of overriding considerations on February 7, 2006. The document was prepared pursuant to the provisions of the California Environmental Quality Act (CEQA).

The purpose of the EIR was to evaluate the BRSP and identify potential environmental impacts and establish Mitigation Measures which were incorporated into the project approval as Conditions of Approval. The BRSP was adopted by Council Resolution No. 1519 (06), March 7, 2006.

The Final EIR required several mitigation measures that were incorporated into the adopted BRSP. To reduce potentially significant traffic impacts on the intersection of State Route 1/Harris Grade Road, Mitigation Measure TRANS 1.2c required the implementation of a second southbound land on Harris Grade Road/H Street. Mitigation Measures were based upon information from a traffic study prepared by Penfield & Smith and utilized 1997 Circulation Element traffic study information.

Mitigation Measure TRANS-1.2c (Harris Grade Road and Purisma Road Intersection Improvements) states,

"The applicant shall construct improvements that modify the southbound approach and exit lanes at the Harris Grade Road/Purisma Road intersection to provide two through lanes extending south of the intersection far enough to facilitate merging without creating congestion. The new southbound lane shall be 12-feet wide, consistent with Caltrans' Highway Design Manual (HDM) standards. The proposed taper that would gradually merge with traffic traveling south on State Highway 1 shall be extended, consistent with Caltrans specifications A Caltrans Encroachment Permit shall be obtained for this work, All work completed in the State Highway 1 right-of-way shall be done to Caltrans engineering and environmental standards, and at no cost to the State. The applicant shall apply for an Encroachment Permit with the County of Santa Barbara for all work proposed within the County right-of-way along Harris Grade".

During the course of the environmental review to update the 2030 General Plan Land Use and Circulation Elements, a more refined traffic model was developed to determine future impacts of circulation within the City of Lompoc. The refined traffic model indicated that Mitigation Measure TRANS-1.2c was not necessary to maintain an acceptable level of service for the Harris Grade Road/Purisma Road intersection. In addition based upon the design and cost of the improvement, Caltrans determined improvements at the intersection could not be approved with an encroachment permit (letter dated June 2010). A separate, supplemental technical analysis, provided by Penfield & Smith (March 2014), found that implementation of a second southbound lane on Harris Grade Road/H Street was not necessary to achieve an acceptable level of service at this intersection in accordance with City standards.

Under Goal 1 of the recently adopted Circulation Element (December 2013), of the 2030 General Plan, LOS C is an acceptable level of service. Policy 1.2 states,

"The City shall maintain intersection traffic levels of service (LOS) at LOS C or better throughout the City, with the exception of intersections monitored in accordance with the Congestion Management Program (CMP) administered by the Santa Barbara County Association of

Governments (SBCAG). CMP intersections shall maintain a LOS in accordance with the most recent CMP standards (at LOS D or better), when it can be demonstrated that all feasible mitigation measures have been applied to the project and LOS C, with said mitigation, cannot be achieved."

Based upon the new information provided by Penfield and Smith, an addendum to the Final EIR has been prepared by Rincon Consultants dated April 2014 (see Resolution No. 771 (14)) which provides an alternate Mitigation Measure for Mitigation Measure TRANS-1.2c of equivalent effectiveness that involves restriping of the northbound approach and traffic signal improvements.

Based upon the above noted information, the FEIR MM may be recommended for a change in this one instance. A Condition of Approval will be included in the Resolution that states changes to the Mitigation Measure TRANS 1.2c are based on the draft Addendum and such changes are not intended to set a precedent for how environmental analysis of potential future requests to the project will be handled.

#### Updating the Burton Ranch Specific Plan

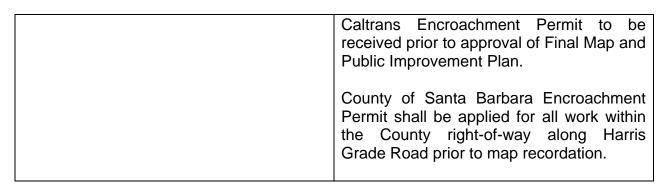
In light of the proposal to replace Mitigation Measure TRANS-1.2c with an Alternative Mitigation Measure, the BRSP would also need to be updated to reflect the proposed changes. Changes pertaining to TRANS-1.2c would be made to Table 2 – Infrastructure Timing Schedule within Section VII, The Infrastructure Plan, and Section XI, Mitigation Measures.

#### **Proposed Alternative Language**

The following alternative language will be recommended to City Council for adoption and the Specific Plan will be amended to reflect the revised language.

## Section VII: The Infrastructure Plan; Table 2 – Infrastructure Timing Schedule within (page 54 of the BRSP)

Existing Language	Proposed Revised Language		
Modify southbound approach and exit lanes to provide two through lanes extending south of the intersection far	Restripe the northbound approach (dual left-turn lanes, one through lane and a right-turn lane).		
enough to facilitate merging.  Add southbound through lane to Harris	Provide traffic signal improvements to change the existing split phasing to		
Grade Road.  Extend Highway taper to gradually merge	protected left-turn phasing on the northbound and southbound approaches and to protected-permissive left-turn		
with southbound traffic.	phasing on the eastbound and westbound approaches.		



#### Section XI: Mitigation Measures (page 142 of the BRSP)

#### **Existing Language**

TRANS- 1.2c The applicant shall construct improvements that modify the southbound approach and exit lanes at the Harris Grade Road/Purisima Road intersection to provide two through lanes extending south of the intersection far enough to facilitate merging without creating congestion. The new southbound lane shall be 12- feet wide, consistent with HDM standards. The proposed taper that would gradually merge with traffic traveling south on State Highway 1 shall be extended, consistent with Caltrans specifications.

#### **Proposed Revised Language**

TRANS- 1.2c The applicant shall construct the following improvements at the State Route1/Harris Grade Road intersection prior to project occupancy:

- Restripe the northbound approach (dual left-turn lanes, one through lane and a right-turn lane).
- Provide traffic signal improvements to change the existing split phasing to protected left-turn phasing on the northbound and southbound protectedapproaches and to permissive left-turn phasing on the eastbound and westbound approaches conformance with the future operation assumed in the 2030 General Plan Update EIR.
- A Caltrans Encroachment Permit shall be obtained for this work. All work completed in the State Highway 1 rightof-way shall be done to Caltrans engineering and environmental standards, and at no cost to the State.
- The applicant shall apply for an Encroachment Permit with the County of Santa Barbara for all work proposed within the County right-of-way along Harris Grade Road.

#### **Conformance with CEQA Guidelines:**

In accordance with Section 15164 of the CEQA Guidelines, a lead agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 for the preparation of a subsequent EIR have occurred. The conditions described in Section 15162 include the following:

- Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
- 2) Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or Negative Declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
- 3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the Negative Declaration was adopted, shows any of the following:
  - a. The project will have one or more significant effects not discussed in the previous EIR or negative declaration;
  - b. Significant effects previously examined will be substantially more severe than shown in the previous EIR;
  - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
  - d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

An Addendum has been prepared by Rincon Consultants, dated April 2014 which identifies the requested substitution of Mitigation Measure TRANS-1.2c within the adopted Final EIR. Since the requested action will not result in new significant environmental effects, as evidenced by the technical studies provided, it was determined an Addendum would be the appropriate environmental document to prepare pursuant to the CEQA requirements.

Allowing this requested change to be addressed by an Addendum is a unique circumstance based on the Caltrans analysis and 2030 General Plan information. Any additional requests to review Mitigation Measures would require additional environmental review and re-consideration of the FEIR.

#### **Staff Review:**

Engineering and Planning Staff, the Assistant City Attorney, and staff from Rincon Consultants have been working with the applicant for a significant period of time to bring this request from The Towbes Group, representing the property owners, forward for consideration.

#### **Noticing:**

On May 30, 2014:

- 1) Notice of the Public Hearing was published in the Lompoc Record;
- 2) Notices were mailed to property owners within 300 feet by US mail;
- 3) Notice was placed on the City website; and
- 4) The project site was posted by City staff.

#### **Appeal Rights:**

Any person has the right to appeal the Planning Commission action to the City Council within ten (10) calendar days of the action. Contact a Planning Division staff member for the required appeal form; the fee is \$257.80. When the Planning Commission is making a recommendation to the City Council no appeal is necessary.

#### **Attachments:**

1) Draft Resolution No. 771 (14) including Conditions of Approval and Addendum (which contains the Traffic Information update prepared by Penfield & Smith, dated March 2014 and the Caltrans Letter, dated June 2010).

Staff Report has been reviewed and approved for submission to the Planning Commission					
	– –				
Teresa Gallavan Date	Lucille T. Breese, AICP	Date			
Economic Development Director / Assistant City	Planning Manager				
Administrator					

#### **RESOLUTION NO. 771 (14)**

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF LOMPOC RECOMMENDING CITY COUNCIL APPROVAL OF A REQUEST FOR AN ALTERNATIVE MITIGATION MEASURE, AMENDMENT NO. 2 TO THE BURTON RANCH SPECIFIC PLAN, AND ACCEPTANCE OF ADDENDUM TO THE FINAL ENVIRONMENTAL IMPACT REPORT (Planning Division File No. FEIR 02-01 /SP 04-01)

WHEREAS, a request was received from Michel Towbes, on the behalf of Harris Grade Partners, L.P.; Patrick J. McCarthy and Bridget M. McCarthy; Donald M. Jensen and Lynn D. Gray; Lompoc Ranch Joint Venture; Joe A. Signorelli, Jr.; Adam Peter Signorelli; Gus Thomas Signorelli; and The Towbes Group, Inc., for Planning Commission review of an alternative mitigation for Mitigation Measure TRANS 1.2c. adopted with the Final Environmental Impact Report (FEIR 02-01) prepared and certified for the Burton Ranch Specific Plan ("BRSP") area project located at the intersection of State Highway Route 1, Purisima Road, and Harris Grade Road. (Assessor Parcel No. 97-250-002, -005, -040,-050, -051, -062, and -069)("Project").

**WHEREAS,** City Council certified FEIR 02-01, prepared by Science Applications International Corporation (SAIC), on February 7, 2006; and

**WHEREAS**, an Addendum has been prepared by Rincon Consultants, dated April 2014; and

**WHEREAS**, the request was considered by the Planning Commission at a duly-noticed public hearing on June 11, 2014; and

WHEREAS, at the meeting of June 11, 2014, \_\_\_\_\_, was present and available to answer Planning Commissioners' questions and address their concerns; and

WHEREAS, at the meeting of June 11, 2014, \_\_\_\_\_spoke in favor of, in opposition to, the Project; and

**WHEREAS**, this project is in accordance with Section 15164 of the CEQA Guidelines, where a lead agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 for the preparation of a subsequent EIR have occurred.

## NOW, THEREFORE, THE PLANNING COMMISSION OF THE CITY OF LOMPOC RESOLVES AS FOLLOWS:

- **SECTION 1:** After hearing testimony, reviewing the staff report, considering the evidence presented, and due deliberation of the matters presented the Planning Commission finds:
  - A. The Alternative Mitigation proposed for Mitigation Measure TRANS 1.2c. adopted with the Final Environmental Impact Report (FEIR 02-01) for the Burton Ranch Specific Plan is based upon new information provided in the Penfield & Smith Traffic Analysis dated April 24, 2014 and is consistent with the objectives, polices, land uses, and programs specified in the City's General Plan and the BRSP;
  - B. The Alternative Mitigation will not be detrimental to the health, safety and general welfare of persons residing in the BRSP area or the City of Lompoc;
  - C. This addendum includes changes to transportation mitigations and conditions that the City has determined not to be substantial individually or cumulatively and therefore do not require circulation for public comment. However the applicant is hereby notified, that the City considers this change just short of the threshold of significance and additional changes to transportation mitigations or conditions beyond those described in this Addendum will likely be considered cumulatively significant, even if not individually substantial, and would likely require preparation of a Supplemental or Subsequent EIR to be circulated for public comment;
  - D. Amendment No. 2 to the BRSP is necessary to assure conformity between the Specific Plan and the Mitigation Measures;
  - E. The Conditions of Approval for the BRSP are amended to reflect the Alternative Mitigation as attached; and
  - F. The attached draft Addendum to the BRSP FEIR 02-01 accurately documents the actions taken and is consistent with the regulations of CEQA and the City re-affirms the CEQA Findings of Fact made in adopting FEIR 02-01.

**SECTION 2**: The Planning Commission hereby recommends that the City Council:

G. Accept the Alternative Mitigation Measure for TRANS 1.2c. based upon the new information provided in the Traffic Analysis prepared by Penfield & Smith, dated April 24, 2014;

- H. Approve the proposed Amendment No. 2 to the BRSP which proposes changes pertaining to TRANS-1.2c within Section VII, The Infrastructure Plan, Table 2 - Infrastructure Timing Schedule, and Section XI, Mitigation Measures; and
- I. Approve the attached draft Addendum to the Burton Ranch Specific Plan FEIR 02-01 prepared by Rincon Consultants, dated April 2014 as the appropriate environmental review for the request per CEQA Section No. 15162.

	, was	at the regu	, seconded by lar Planning Commission
meeting of June 11, 2	or4, by the following	, vote.	
AYES:			
NOES:			
Lucille T. Breese. AIC	EP. Secretary	Ron Fin	k. Chair

Attachment: Exhibit A – Conditions of Approval

Exhibit B – Draft Addendum

# CONDITIONS OF APPROVAL Burton Ranch Specific Plan Area

(Planning Division File No. FEIR 02-01 / SP 04-01)

The following Conditions of Approval apply to the Burton Ranch Specific Plan (BRSP) reviewed by the Planning Commission on June 11, 2014.

#### I. PLANNING

#### **Planning - General Conditions**

- P1. All applicable provisions of the Lompoc City Code are made a part of these conditions of approval in their entirety, as if fully contained herein.
- P2. In conformity with Sections 8900, 8935, and 8936 of the Lompoc City Zoning Ordinance, the violation of any condition listed herein shall constitute a nuisance and a violation of the Lompoc City Zoning Ordinance and the Lompoc City Code. In conformity with Section 0107 and 0128 of the Lompoc City Code, a violation of the Lompoc City Code and the Lompoc City Zoning Ordinance is a misdemeanor and shall be punishable as provided by law. In addition to criminal penalties, the City may seek injunctive relief to specifically enforce the Conditions of Approval. The applicant agrees to pay for all attorney's fees and costs, including, but not limited to, staff time incurred by the City in obtaining injunctive relief against the applicant as a result of a failure of the applicant to fully perform and adhere to all of the Conditions of Approval.
- P3. Mitigation Measure (MM) Trans 1.2C, adopted by City Council Resolution No. 5299 (06) is hereby recommended for City Council acceptance of the proposed Alternative MM shown below:

#### **Existing Language**

TRANS- 1.2c The applicant shall construct improvements that modify the southbound approach and exit lanes at the Harris Grade Road/Purisima Road intersection to provide two through lanes extending south of the intersection far enough to facilitate merging without creating congestion. The new southbound lane shall be 12-feet wide, consistent with HDM standards. The proposed taper that would gradually merge with traffic traveling south on State Highway 1 shall be extended, consistent with Caltrans specifications

#### **Proposed Revised Language**

TRANS- 1.2c The applicant shall construct the following improvements at the State Route1/Harris Grade Road intersection prior to project occupancy:

- Restripe the northbound approach (dual leftturn lanes, one through lane and a right-turn lane).
- Provide traffic signal improvements to change the existing split phasing to protected left-turn phasing on the northbound and southbound approaches and to protected-permissive leftturn phasing on the eastbound and westbound approaches in conformance with the future operation assumed in the 2030 General Plan Update EIR.
- A Caltrans Encroachment Permit shall be obtained for this work. All work completed in the State Highway 1 right-of-way shall be done to Caltrans engineering and environmental standards, and at no cost to the State..

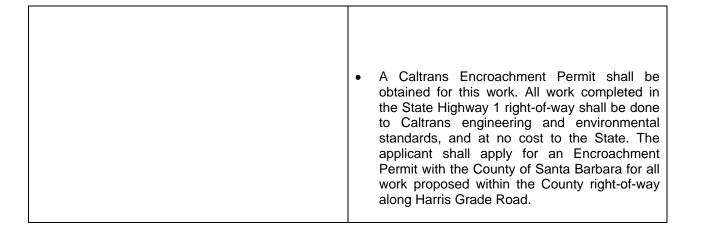
P4. The Burton Ranch Specific Plan (SP 04-01) adopted by City Council Ordinance No. 1519 (06) and amended by City Council Ordinance No. 1547 (07) is recommended for City Council adoption of Amendment No. 2 as shown below:

Section VII: The Infrastructure Plan; Table 2 – Infrastructure Timing Schedule within (page 54 of the BRSP)

Existing Language	Proposed Revised Language
Modify southbound approach and exit lanes to provide two through lanes extending south of the intersection far enough to facilitate merging.	Restripe the northbound approach (dual left-turn lanes, one through lane and a right-turn lane).
Add southbound through lane to Harris Grade Road.  Extend Highway taper to gradually merge with southbound traffic.	Provide traffic signal improvements to change the existing split phasing to protected left-turn phasing on the northbound and southbound approaches and to protected-permissive left-turn phasing on the eastbound and westbound approaches.
	Caltrans Encroachment Permit to be received prior to approval of Final Map and Public Improvement Plan.
	County of Santa Barbara Encroachment Permit shall be applied for all work within the County right-of-way along Harris Grade Road prior to map recordation.

#### Section XI: Mitigation Measures (page 142 of the BRSP)

Existing Language	Proposed Revised Language
TRANS- 1.2c The applicant shall construct improvements that modify the southbound approach and exit lanes at the Harris Grade Road/Purisima Road intersection to provide two through lanes extending south of the intersection far enough to facilitate merging without creating congestion. The new southbound lane shall be 12-feet wide, consistent with HDM standards. The proposed taper that would gradually merge with traffic traveling south on State Highway 1 shall be extended, consistent with Caltrans specifications	<ul> <li>TRANS- 1.2c The applicant shall construct the following improvements at the State Route1/Harris Grade Road intersection prior to project occupancy:</li> <li>Restripe the northbound approach (dual left-turn lanes, one through lane and a right-turn lane.</li> <li>Provide traffic signal improvements to change the existing split phasing to protected left-turn phasing on the northbound and southbound approaches and to protected-permissive left-turn phasing on the eastbound and westbound approaches in conformance with the future operation assumed in the 2030 General Plan Update EIR.</li> </ul>



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## City of Lompoc

# **Burton Ranch Specific Plan**

Environmental Impact Report Addendum SCH# 2002091045

rincon

April 2014

# ENVIRONMENTAL IMPACT REPORT ADDENDUM

## BURTON RANCH SPECIFIC PLAN

Prepared by:

## City of Lompoc Community Development Department

100 Civic Center Plaza Lompoc, California 93438-8001 Contact: Ms. Lucille Breese, AICP

*Prepared with the assistance of:* 

Rincon Consultants, Inc.

1530 Monterey Street, Suite D San Luis Obispo, California 93401

April 2014



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#### 1.0 INTRODUCTION

This document is an Addendum to the Final Environmental Impact Report (EIR) for the Burton Ranch Specific Plan (State Clearinghouse #2002091045). The Specific Plan EIR, which was certified in 2005, evaluated the environmental impacts of a Specific Plan for the annexation and development of a 149-acre site located north of Lompoc, between State Highway 1 to the west and south, Harris Grade Road to the east, and the Burton Mesa Management Area (BMMA) to the north. The Specific Plan includes approximately 476 residential units, 8 acres of open space, a 3.3-acre passive park, and a 12-acre school site.

The Final EIR required several mitigation measures that were incorporated into the adopted Specific Plan as conditions of approval. To reduce potentially significant Specific Plan traffic impacts on the intersection of State Route 1/Harris Grade Road, Mitigation Measure TRANS-1.2c required implementation of a second southbound lane on Harris Grade Road/H Street (SR 1). Based on review of the design of a second southbound lane on Harris Grade Road and H Street (SR 1), Caltrans indicated that substitute mitigation consisting of protected left turn phasing and restriping of the northbound approach to two left turn lanes and a single through lane would appropriately mitigate project impacts and would be considered reasonable replacement mitigation (refer to Appendix A). In accordance with Section 15164 of the State CEQA Guidelines, this Addendum to the Burton Ranch Specific Plan Final EIR is being prepared to evaluate the substitution of Mitigation Measure TRANS-1.2c for a measure of equivalent effectiveness involving restriping of the northbound approach and traffic signal improvements, based on revised traffic analysis provided by Penfield & Smith (March 25, 2014); refer to Appendix B).

In accordance with State CEQA Guidelines, a lead agency is required to circulate additional environmental analysis following certification of the EIR when significant new information is added to the EIR that shows any of the following:

- a) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;
- b) Significant effects previously examined will be substantially more severe than shown in the previous EIR;
- c) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
- d) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

As used in this section, the term "information" can include changes in the project or environmental setting as well as additional data or other information. The proposed project is substantially similar to the Burton Ranch Specific Plan as analyzed in the Final EIR. There would not be any new environmental impacts in addition to those identified in the Final EIR, nor would there be a substantial increase in the magnitude or severity of any impact identified in the Final EIR. This EIR Addendum does not require circulation because it does not provide significant new information that changes the original EIR in a way that deprives the public of a

meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect.

This EIR Addendum contains this Introduction and an Environmental Impact Analysis section that describes the proposed modification to the project to remove the identified mitigation measure and addresses each of the environmental issues that has the potential to change as a result.

The City of Lompoc shall consider the Addendum with the Final EIR prior to making a decision on the revised Specific Plan. The Final EIR for the Burton Ranch Specific Plan is available for review at the Planning Division of the City of Lompoc Community Development Department, 100 Civic Center Plaza, Lompoc, CA 93438.

#### 2.0 ENVIRONMENTAL IMPACT ANALYSIS

This section describes the proposed modification to the project to replace Mitigation Measure TRANS 1-2c with a new mitigation measure of equivalent effectiveness, and addresses whether environmental issues have the potential to change as a result. This section compares the effects of the revised project currently proposed to those of the approved project that was the subject of the previous CEQA document, the 2005 Final EIR. In accordance with Section 15131 of the *State CEQA Guidelines*, this analysis focuses on the physical environmental changes of the revised project.

#### **Burton Ranch Specific Plan Final EIR Analysis**

The Final EIR evaluated the environmental impacts of a Specific Plan for the annexation and development of a 149-acre site located north of Lompoc, between State Highway 1 to the west and south, Harris Grade Road to the east, and the Burton Mesa Management area (BMMA) to the north. As described in the Final EIR, Impact TRANS-1.2 stated that the proposed project would result in additional traffic within intersections in close proximity to the project area, and specifically identified that the intersection of State Route 1/Harris Grade Road would be impacted and operate at a deficient Level of Service (LOS) D during both the AM and PM peak hours under baseline + Specific Plan conditions. In addition, the Final EIR determined that the intersection would operate at a deficient LOS E during the AM peak hour and LOS F during the PM peak hour under General Plan Buildout + Specific Plan conditions. The Final EIR identified the following mitigation for this impact:

**TRANS-1.2a:** State Highway 1 shall be improved adjacent to the project site in conjunction with the proposed development, as specified by the City of Lompoc and approved by Caltrans. These shall include the following at the State Highway 1/project site entrance intersection:

- a. Increase the amount of storage at the left-turn channelization for southbound traffic.
- b. Includes right-turn channelization for traffic traveling northbound.

Any improvements within the State Highway 1 right-of-way shall require an Encroachment Permit, which shall meet Caltrans requirements as set forth in the Highway Design Manual (Caltrans 2002). The applicant shall coordinate with Caltrans and obtain an Encroachment Permit prior to initiating any improvements along State Highway 1. All work completed in the State Highway 1 right-of-way shall be done to Caltrans engineering and environmental standards, and at no cost to the State.

**TRANS-1.2b:** The project applicant shall be responsible for dedicating right-of-way and constructing improvements to Harris Grade Road

adjacent to the project site, as specified by the City of Lompoc. These improvements shall include a 14-foot median lane, left turn lanes, and sidewalk at all site access points on Harris Grade Road.

TRANS-1.2c: The applicant shall construct improvements that modify the southbound approach and exit lanes at the Harris Grade Road/Purisima Road intersection to provide two through lanes extending south of the intersection far enough to facilitate merging without creating congestion. The new southbound lane shall be 12-feet wide, consistent with HDM standards. The proposed taper that would gradually merge with traffic traveling south on State Highway 1 shall be extended, consistent with Caltrans specifications. A Caltrans Encroachment Permit shall be obtained for this work. All work completed in the State Highway 1 right-of-way shall be done to Caltrans engineering and environmental standards, and at no cost to the State. The applicant shall apply for an Encroachment Permit with the County of Santa Barbara for all work proposed within the County right-of-way along Harris Grade Road.

TRANS-1.2d: The applicant shall be responsible for contributing 50 percent of the costs for the design and construction of dual northbound and southbound left-turn lanes at the "H" Street/Central Avenue intersection. The new dual northbound and southbound left-turn lanes shall be 12-feet wide, consistent with HDM standards, and utilize existing Caltrans right-of-way along each side of "H Street" (State Highway 1) or from the median. All work completed in the State Highway 1 right-of-way shall be done to Caltrans engineering and environmental standards, and at no cost to the State.

TRANS-1.2e: The following improvements shall be required at off-site key intersections to mitigate the impact of project related traffic and maintain acceptable LOS upon General Plan buildout Year 2015. The applicant shall pay transportation fees to the City of Lompoc to mitigate the off-site impacts of project related traffic, based upon the level of service requirements, specified by the City of Lompoc. The applicant shall contribute on a "fair share" basis to the intersection improvements as follows:

- a. Harris Grade Road/Purisima Road: add westbound left-turn lane. Project Share of Traffic Increase = 28.13%.
- b. "H" Street/Central Avenue: add northbound right turnlane. Project Share of Traffic Increase = 23.18%.
- c. Purisima Road/State Route 246: signalize intersection.
  Project Share of Traffic Increase = 17.62% (to be provided to Caltrans).

**TRANS-1.2f:** A development fee of \$3,926 per single family dwelling unit and \$2,756 per multi-family unit, subject to change based on the Lompoc Impact Fee Study Report, or as approved by the City Council, shall be paid to the City of Lompoc to provide funding for street improvements, installing traffic signals of region-wide benefit, and bikeways.

**TRANS-1.2g:** The applicant shall install bus stops along project frontages consistent with City of Lompoc Public Works Department standards as required by the Public Works Department during the development review process for each development phase.

The Final EIR concluded that implementation of these mitigation measures would reduce Specific Plan impacts related to generation of additional traffic within intersections in close proximity to the project area to a less than significant level.

While the majority of these mitigation measures would be retained to address the identified impact, mitigation measure TRANS-1.2c would be replaced.

#### **Proposed Project Modification**

The original Specific Plan evaluated in the Final EIR included approximately 476 residential units, 8 acres of open space, a 3.3-acre passive park, and a 12-acre school site. In lieu of a school site, due to the school district's lack of interest in developing a school on the 4-acre site, the project applicant currently plans to construct a 12-acre park and 476 total residential units.

In addition, Mitigation Measure TRANS-1.2c is proposed for replacement in the EIR and Specific Plan with the following mitigation measure:

"The applicant shall construct the following improvements at the State Route 1/Harris Grade Road intersection prior to project occupancy:

- Restripe of the northbound approach (dual left-turn lanes, one through lane and a right-turn lane), and;
- Provide traffic signal improvements to change the existing split phasing to protected leftturn phasing on the northbound and southbound approaches and to protected-permissive left-turn phasing on the eastbound and westbound approaches in conformance with the future operation assumed in the 2030 General Plan Update EIR."

Caltrans determined that the scope and cost to complete improvements per mitigation measure TRANS-1.2c, would exceed the type of improvement typically handled under an encroachment permit and requires that the project be reviewed under a Highway Improvement Agreement (HIA), which would require additional time and cost. In summary, the combination of adding a second southbound lane on H Street and the existing merge lane creates a dual lane merging situation that requires:

- Realignment and widening of approximately 1,500 lineal feet of H Street and the right turn ramp from southbound SR 1.
- Construction of 550 feet of 9.5-foot maximum height retaining wall/concrete barrier.
- Construction of 1,500 lineal feet of concrete median barrier.

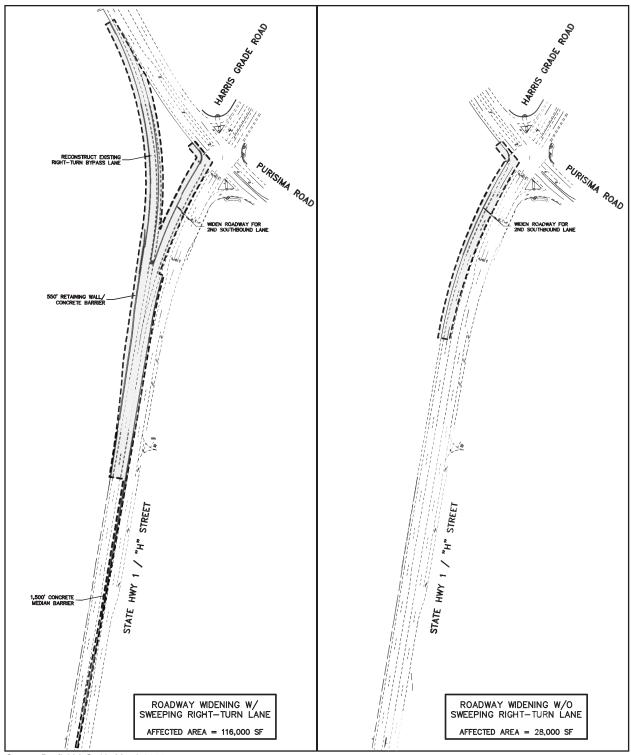
Figure 2-1 shows the difference in work area required by implementation of Mitigation Measure TRANS-1.2c with and without the presence of the eastbound to southbound sweeping right-turn lane. Following the review of the design of a second southbound lane and corresponding traffic analysis, Caltrans indicated that the substitute mitigation measure would be equally effective when compared to Mitigation Measure TRANS-1.2c.

#### Comparison of Revised Project Impacts to the Burton Ranch Specific Plan Final EIR

The analysis below is limited to the CEQA environmental issue area of "Transportation and Circulation," as it is the only issue area with impacts that could change as a result of replacement of the mitigation measure that previously required improvements to the Harris Grade Road/ Purisima Road intersection to provide two through lanes extending south of the intersection far enough to facilitate merging without creating congestion.

Penfield & Smith completed a revised traffic analysis for the Purisima Road - State Route 1/Harris Grade Road intersection (March 25, 2014; refer to Appendix B to this Addendum). The revised analysis included updated project trip generation estimates that reflect project land use changes that have occurred since the completion of the *Burton Ranch Specific Plan FEIR* in 2005, updated the traffic analyses for baseline and buildout conditions, and identified alternative intersection improvements that may be implemented in order to improve intersection operations to an acceptable level of service under City of Lompoc and Caltrans impact thresholds.

The original project analyzed in the 2005 FEIR included 476 total residential units, including 397 single family dwellings (SFD) and 79 apartments, 8 acres open space, a 3-3 acre passive park, and a K-8 school site (12-acres). In lieu of a school site, due to the school district's lack of interest in developing a school on the 4-acre site, Burton developers plan to construct a 12-acre park. The revised traffic analysis includes the original number and mix of residential units analyzed in the FEIR (476 units). The updated Burton Ranch Project is expected to generate a total of 4,340 ADT, including 340 total AM peak hour trips and 452 total PM peak hour trips (Table 2-1). This is a reduction of 880 ADT compared to the previously approved Specific Plan evaluated in the 2005 Final EIR.



Source: Penfield & Smith, March 2014

Table 2-1 Burton Ranch Project Revised Project Trip Generation Estimates

Land Use	Size Daily Trips		AM Peak Hour Trips			PM Peak Hour Trips		
		In	Out	Total	In	Out	Total	
Single Family Residential	397 units	3,800	74	223	297	257	144	401
Apartments	79 units	520	6	34	40	33	16	49
Park (SANDAG)	4 acres	20	2	1	3	1	1	2
TOTAL		4,340	82	258	340	291	161	452
Burton Ranch Specific Plan FEIR (2005)		5,220	243	377	620	374	258	632

Source: Penfield & Smith, Revised Traffic Analysis, Burton Ranch Project, March 25, 2014.

Revised Traffic Study Methodology. The revised traffic analysis uses the same Level of Service (LOS) calculation methodology as the original traffic analysis, which involves using LOS calculation methods used in the 2030 General Plan Update EIR and assumes the existing intersection geometry and traffic signal phasing. Project trip distribution was based on the distribution percentages developed in the Burton Ranch Specific Plan Traffic Report (FEIR, Figure 2-1, Appendix H-1) and includes the updated project-added AM and PM peak hour traffic volumes at the Purisima Road – for the State Route 1/Harris Grade Road intersection (refer to Figure 2-2). These updated project traffic volumes were then added to updated baseline traffic conditions using the most recent (2009) AM and PM peak hour traffic volumes collected at the intersection (original traffic study used baseline traffic conditions contained in the Burton Ranch Specific Plan FEIR).

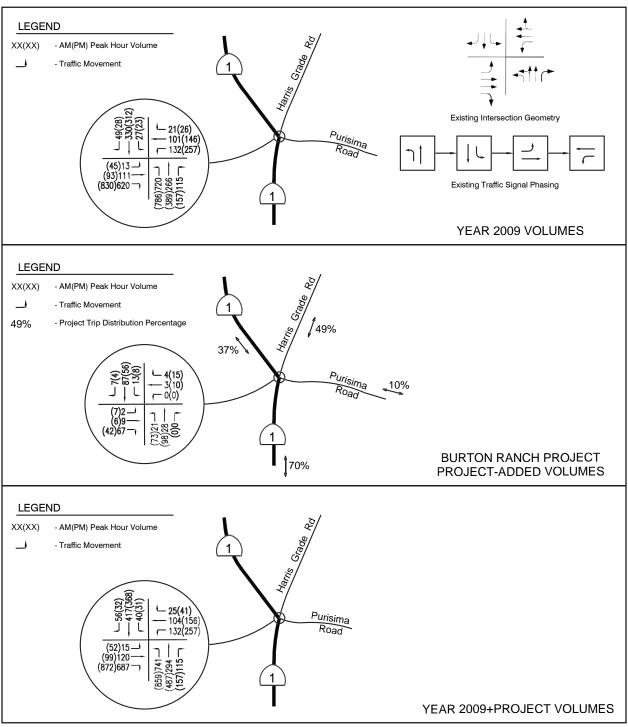
Revised Traffic Study Baseline + Project Analysis. The revised traffic analysis summarized in Table 2-2 indicates that the intersection is projected to operate in the LOS C range during the AM and PM peak hours under Baseline + Project conditions, which meets the City of Lompoc and Caltrans LOS standard for intersections (LOS C). Based on the revised analysis, the project would not generate a project-specific impact at the State Route 1/Harris Grade Road intersection.

Table 2-2 State Route 1/ Harris Grade Road Intersection Baseline + Project AM and PM Peak Hour Levels of Service

Traffic Scenario	AM Peak Hour Delay/LOS	PM Peak Hour Delay/LOS
Burton Ranch Specific Plan FEIR Baseline + Project	39.0 sec./LOS D	53.4 sec./LOS D
Baseline + Project: Updated	25.9 sec./LOS C	31.7 sec./LOS C

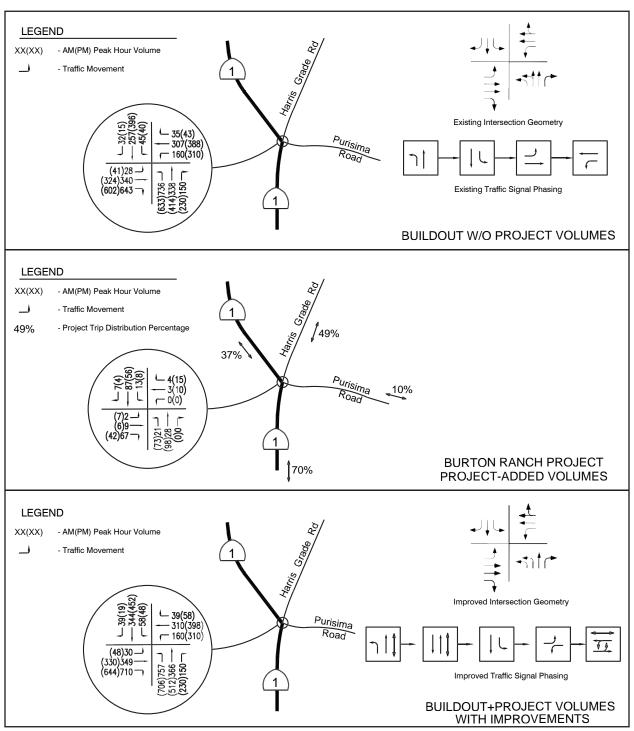
Source: Penfield & Smith, Revised Traffic Analysis, Burton Ranch Project, March 25, 2014.

Revised Traffic Study City of Lompoc General Plan Buildout Analysis. The revised traffic analysis also provides a more accurate assessment of potential project impacts under buildout conditions using the more recently adopted buildout traffic volumes contained in the 2030 General Plan EIR, certified in 2010, rather than the General Plan Buildout (Year 2015) conditions analysis used in the FEIR. Figure 2-3 summarizes revised buildout traffic forecasts for both buildout without – subtraction of original project peak hour traffic volumes and buildout with -updated project-added volumes with buildout added to the buildout without project volumes.



Source: Penfield & Smith, March 2014

State Route 1/Harris Grade Road Year 2009 Conditions Peak Hour Intersection Volumes



Source: Penfield & Smith, March 2014

State Route 1/Harris Grade Road Buildout Conditions Peak Hour Intersection Volumes Penfield & Smith calculated LOS for both buildout without and buildout with project conditions assuming the existing intersection geometry, as well as for buildout with project conditions assuming the implementation of the alternate mitigation measure to TRANS-1.2c. Table 2-3 summarizes the resulting LOS calculations, which show that the intersection would continue to operate in the LOS C-D range under buildout with project conditions. With implementation of the proposed alternate mitigation measure to TRANS-1.2c , the intersectionwould operate at LOS C, which is considered acceptable based on the City of Lompoc and Caltrans level of service standards. Therefore, the substitute mitigation would be equally effective when compared to the previous mitigation measure.

Table 2-3 State Route 1/Harris Grade Road Intersection
General Plan (GP) Buildout AM and PM Peak Hour Levels of Service

Traffic Scenario	AM Peak Hour Delay/LOS	PM Peak Hour Delay/LOS
Burton Ranch Specific Plan FEIR Buildout (2015)	34.9 sec./LOS C	50.3 sec./LOS D
Burton Ranch Specific Plan FEIR Buildout + Project (2015)	68.4 sec./LOS E	>80.0 sec./LOS F
2030 GP Buildout without Project - Updated	25.7 sec./LOS C	36.0 sec./LOS D
2030 GP Buildout + Project – Updated	28.8 sec./LOS C	44.8 sec./LOS D
2030 GP Buildout + Project – Updated (Mitigated)	24.4 sec./LOS C	34.1 sec./LOS C

Source: Penfield & Smith, Revised Traffic Analysis, Burton Ranch Project, March 25, 2014.

#### Conclusion

The replacement of Mitigation Measure TRANS-1.2c with substitute mitigation of equivalent effectiveness would not create new significant impacts or cause any of the impacts identified in the Final EIR to increase in magnitude from the original Final EIR. No additional mitigation measures are required.

### 3.0 REFERENCES

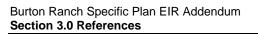
Caltrans (California Department of Transportation). May 17, 2010. Letter to Derek Rapp, Penfield & Smith from Frank Boyle, Transportation Engineer, Caltrans.

Caltrans (California Department of Transportation). 2002. Highway Design Manual.

Martin Farrell Homes, Inc. and The Towbes Group. Burton Ranch Specific Plan. February 2006.

Penfield & Smith. Burton Ranch Project - Revised Traffic Analysis for the State Route 1/Harris Grade Road Intersection. March 25, 2014.

SAIC. Burton Ranch Specific Plan Revised Final EIR. September 2005.



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DEPARTMENT OF TRANSPORTATION

50 HIGUERA STREET SAN LUIS OBISPO, CA 93401-5415 PHONE (805) 549-3101 FAX (805) 549-3329 TTY 711 http://www.dot.ca.gov/dist05/



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June 8, 2010

Derek Rapp Penfield & Smith 111 East Victoria St Santa Barbara, Ca 91111

Dear Mr. Rapp:

This letter is in regards to the proposed transportation mitigation improvements, at the intersection of Harris Grade and SR 1, for the Burton Ranch Development project.

The measure of effectiveness, delay each vehicle is expected to experience at an intersection, is a function of multiple variables allowing for an array of varying improvements capable of achieving the same desired LOS improvements. Caltrans has reviewed the different alternatives proposed to mitigate impacts to the intersection of Harris Grade and SR 1. Caltrans recognizes that both alternatives appropriately mitigate impacts to this intersection by achieving appropriate level-of-Service (LOS) conditions. After review of the newly proposed improvements Caltrans agrees with the assertion that impacts are mitigated through protected left turn phasing and restriping of the northbound approach to two left turn lanes and a single through lane, as an alternate to the second southbound lane. Penfield & Smith submitted this alternative analysis to Caltrans via a letter dated May 6, 2010. Caltrans has reviewed and agrees with the findings of this analysis and deems the proposed alternate mitigation a reasonable substitute to the mitigation originally proposed in the EIR for the project.

Sincerely,

Frank Boyle

Traffic Operations



Burton Ranch Project Revised Traffic Analysis for the State Route 1/Harris Grade Road Intersection



## Penfield & Smith

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Santa Barbara Camarillo Santa Maria Lancaster

Civil Engineering

Land Surveying

Land Use Planning

Construction Management & Inspection

Traffic & Transportation Engineering

Transportation Planning

Structural Engineering

Water Resources Engineering

GIS

March 25, 2014

Ms. Lucille Breese City Planner City of Lompoc 100 Civic Center Plaza Lompoc, CA 93438-8001

Subject: Burton Ranch Project - Revised Traffic Analysis for the

State Route 1 / Harris Grade Road Intersection

Dear Ms. Breese:

Penfield & Smith has completed the following revised traffic analysis for the State Route 1/Harris Grade Road intersection. The revised analysis includes updated project trip generation estimates that reflect project land use changes that have occurred since the completion of the *Wye Specific Plan FEIR* in 2005. It also updates the traffic analyses for baseline and buildout conditions and identifies alternative improvements to mitigation measure TRANS 1.2c, which calls for a second southbound lane on Harris Grade Road and H Street, in order to maintain intersection operations at an acceptable level of service under City of Lompoc and Caltrans level of service impact thresholds.

Penfield & Smith prepared a design for the second southbound lane mitigation TRANS 1.2c, as contained in the 2005 project FEIR. Under typical conditions, this improvement would involve roadway widening for several hundred feet north and south of the intersection, tapering back into the existing roadway. However, at this intersection, a sweeping right turn from southbound State Route (SR) 1 merges onto H Street south of the intersection. The combination of adding a second southbound lane on H Street and the existing merge lane creates a dual lane merging situation that requires:

- Realignment and widening of approximately 1,500 lineal feet of H Street and the right turn ramp from southbound SR 1.
- Construction of 550 lineal feet of 9.5-foot maximum height retaining wall/concrete barrier.
- Construction of 1,500 lineal feet of concrete median barrier.

W.O. 16156.20A

Exhibit A provides a visual representation of the difference in work area required by implementation of TRANS 1.2c with and without the presence of the eastbound to southbound sweeping right-turn lane. The additional cost associated with this expanded work area and scope is estimated at \$1.3 million. Caltrans has indicated that the scope and cost to add this second southbound lane exceeds the type of improvement typically handled under an encroachment permit and requires that the project be reviewed under a Highway Improvement Agreement (HIA), which could require additional time and cost. A revised traffic analysis with an alternate mitigation was therefore completed at the suggestion of Caltrans, following their review of the design of a second southbound lane.

### **Traffic Analysis**

<u>Level of Service Criteria:</u> The City of Lompoc and Caltrans level of service standard for intersections is level of service (LOS) C.

<u>Level of Service Calculation Methodology:</u> AM and PM peak hour levels of service were calculated for the State Route 1/Harris Grade Road intersection using the same level of service calculation methods used in the *2030 General Plan Update EIR*<sup>1</sup>.

<u>Baseline Conditions:</u> Peak hour levels of service were calculated for the intersection for baseline conditions. The baseline traffic conditions contained in the *Wye Specific Plan FEIR* were updated using the most recent (2009) AM and PM peak hour traffic volumes collected at the intersection<sup>2</sup>. The 2009 traffic counts are attached for reference and illustrated in the attached Exhibit B.

The calculations assume the existing lane geometry and traffic signal phasing. Level of service calculation worksheets are attached for reference. Table 1 shows the baseline levels of service. As shown, the intersection currently operates in the LOS C range during both the AM and PM peak hours under baseline conditions,

Table 1
State Route 1 / Harris Grade Road intersection
Baseline AM and PM Peak Hour Levels of Service

Traffic Scenario	AM Peak Hour Delay/LOS	PM Peak Hour Delay/LOS
Wye Specific Plan FEIR Baseline	27.8 sec./LOS C	32.7 sec./LOS C
Baseline – Updated	23.6 sec./LOS C	26.8 sec./LOS C

<sup>2</sup> California Space Center, Revised Traffic, Circulation and Parking Study, ATE, August 2009.



<sup>&</sup>lt;sup>1</sup> Final Environmental Impact Report (EIR 09-01) for the City of Lompoc Comprehensive General Plan Update, City of Lompoc, adopted October 19, 2010.

Project Trip Generation - The updated trip generation estimates are summarized in Table 2.

Table 2
Burton Ranch project
Revised Project Trip Generation Estimates

		Daily		AM Peal lour Trip			PM Peak Hour Trips		
Land Use	Size	Trips	In	Out	Total	ln	Out	Total	
Single Family Residential	397 units	3,800	74	223	297	257	144	401	
Apartments	79 units	520	6	34	40	33	16	49	
Park (SANDAG)	4 acres	20	2	1	3	1	1	2	
TOTAL		4,340	82	258	340	291	161	452	
Wye Specific Plan FEIR (2005)		5,220	243	377	620	374	258	632	

As shown, the updated Burton Ranch Project is expected to generate 4,340 ADT, with 340 trips in the AM peak hour and 452 trips in the PM peak hour.

<u>Project Trip Distribution:</u> Project traffic was assigned to the roadway network based on the distribution percentages developed in the *Wye Specific Plan Traffic Report* (FEIR, Figure 4-1, Appendix H-1) for the project. The attached Exhibit B shows the updated project-added AM and PM peak hour traffic volumes at the Purisima Road - State Route 1/Harris Grade Road intersection.

<u>Baseline plus Project Analysis:</u> Project traffic was added to the updated baseline (Year 2009) traffic volumes. The baseline + project traffic volumes are illustrated in the attached Exhibit B. Levels of service were recalculated for the intersection assuming the existing intersection geometry and traffic signal phasing. The level of service calculation worksheets are attached for reference and the level of service calculation results are summarized in Table 3. The FEIR baseline (Year 2008) and FEIR baseline plus project levels of service are also shown for comparison.



Table 3
State Route 1 / Harris Grade Road intersection
Baseline AM and PM Peak Hour Levels of Service

Traffic Scenario	AM Peak Hour Delay/LOS	PM Peak Hour Delay/LOS
Wye Specific Plan FEIR Baseline + Project	39.0 sec./LOS D	53.4 sec./LOS D
Baseline + Project - Updated	25.9 sec./LOS C	31.7 sec./LOS C

Table 3 indicates that the intersection is projected to operate in the LOS C range during the AM and PM peak hours under updated baseline plus project conditions, which is acceptable based on City of Lompoc and Caltrans level of service standards. The revised analysis shows that the project does not generate a project-specific impact at the State Route 1/Harris Grade Road intersection.

<u>City of Lompoc General Plan Buildout Analysis:</u> To provide an accurate assessment of potential project impacts under buildout conditions, the General Plan Buildout (Year 2015) conditions analysis contained in the FEIR was updated using the buildout traffic volumes contained in the 2030 General Plan EIR, adopted in 2010. The 2030 General Plan EIR volumes include anticipated land use changes in the City of Lompoc through 2030, including anticipated growth of Hancock College, such as the recent opening of the Public Safety Training Center Complex in the area.

Because the buildout traffic forecasts include traffic generated by the original project, buildout without project volumes were developed by subtracting the original project peak hour traffic volumes. The updated project-added traffic volumes were then added to the buildout without project volumes to develop buildout with project peak hour traffic volumes. Buildout without and with project peak hour traffic volumes are illustrated in the attached Exhibit C.

Levels of service were calculated for both buildout without project and buildout with project conditions assuming the existing intersection geometry. In addition, a separate level of service calculation was completed for buildout with project conditions assuming the following proposed intersection improvements developed as an alternate mitigation to TRANS 1.2c:

- Restripe of the northbound approach (dual left-turn lanes, one through lane and a rightturn lane), and;
- Traffic signal improvements to change the existing split phasing to protected left-turn phasing on the northbound and southbound approaches and to protected-permissive left-turn phasing on the eastbound and westbound approaches in conformance with the future operation assumed in the 2030 General Plan Update EIR.

The calculations are summarized in Table 4. The original FEIR buildout (Year 2015) and FEIR buildout plus project levels of service are also shown for comparison.



Table 4
State Route 1 / Harris Grade Road intersection
General Plan (GP) Buildout AM and PM Peak Hour Levels of Service

Traffic Scenario	AM Peak Hour Delay/LOS	PM Peak Hour Delay/LOS
Wye Specific Plan FEIR Buildout (2015)	34.9 sec./LOS C	50.3 sec./LOS D
Wye Specific Plan FEIR Buildout + Project (2015)	68.4 sec./LOS E	>80.0 sec./LOS F
2030 GP Buildout without Project - Updated	25.7 sec./LOS C	36.0 sec./LOS D
2030 GP Buildout + Project - Updated	28.8 sec./LOS C	44.8 sec./LOS D
2030 GP Buildout + Project - Updated (Mitigated)	24.4 sec./LOS C	34.1 sec./LOS C

The level of service data in Table 4 shows that the intersection is forecast to operate in the LOS C-D range under General Plan Buildout *without* project traffic. The intersection would continue to operate in the LOS C-D range under buildout *with* project conditions. The proposed mitigation measures developed as an alternate mitigation to TRANS 1.2c will improve the level of service to LOS C, which is considered acceptable based on City of Lompoc and Caltrans level of service standards.

#### Conclusions:

Mitigation TRANS 1.2c in the Wye Specific Plan FEIR required a widening of H Street (SR 1)/Harris Grade Road to provide two lanes in the southbound direction. At that time, no preliminary roadway layout was performed to determine the full scope of the required improvements. During design, it quickly became apparent that these improvements would involve far more scope and cost (\$1.3 million) than a conventional road widening. Caltrans, District 5 reviewed the design and concluded that the scope and associated cost of this improvement was too large to be permitted under their encroachment permit process. They supported exploring alternative mitigations that would maintain an acceptable intersection level of service.

The first step in the development of the alternate mitigation involved demonstrating that the 2005 Wye Specific Plan FEIR overstated baseline traffic volumes, and as result, overstated impacts to the intersection of State Route 1/Harris Grade Road. A comparison of actual counts collected in 2009 with the FEIR's 2008 baseline traffic volume projections showed that the 2008 FEIR projections were significantly higher than actual 2009 counts.

The FEIR Buildout traffic volumes were derived from the baseline volume projections and were therefore also overstated. In addition, the FEIR assumed a larger project, including a K-8 school site and additional housing units that are no longer part of the project. In total, the background and project added traffic is significantly lower than what was assumed in the original FEIR.

Levels of service were calculated for the intersection using methodologies that are



Ms. Lucille Breese March 25, 2014 Page 6

consistent with the methodologies used to calculate intersection levels of service in the 2030 General Plan Update EIR. The revised project-specific and buildout traffic analyses for the Burton Ranch Project indicate that the State Route 1/Harris Grade Road intersection would operate at LOS C, under baseline plus project conditions with no improvements; and in the LOS C range under buildout plus project conditions with implementation of the following mitigations:

- Restripe of the northbound approach (dual left-turn lanes, one through lane and a right-turn lane), and;
- Traffic signal improvements to change the existing split phasing to protected left-turn
  phasing on the northbound and southbound approaches and to protected-permissive
  left-turn phasing on the eastbound and westbound approaches in conformance with the
  future operation assumed in the 2030 General Plan Update EIR.

The revised traffic analysis concludes that the proposed alternate improvements adequately mitigate the revised project's traffic impacts based on City level of service thresholds.

This concludes the revised analysis for the State Route 1/Harris Grade Road intersection. If you have questions regarding the analysis, please contact me at (805) 963-9538, extension 157.

PENFIELD & SMITH

Derek Rapp, T.E. Principal Traffic Engineer

Attachments



Intersection Peak Hour Traffic Counts (California Space Center)	
	_

# CALIFORNIA SPACE CENTER PROJECT VANDENBERG AIR FORCE BASE, SANTA BARBARA COUNTY, CALIFORNIA

REVISED TECHNICAL APPENDIX

August 10, 2009

ATE Project #08064.01

### Prepared for:

Tetra Tech 3201 Airport Drive, Suite 108 Santa Maria, CA 93455

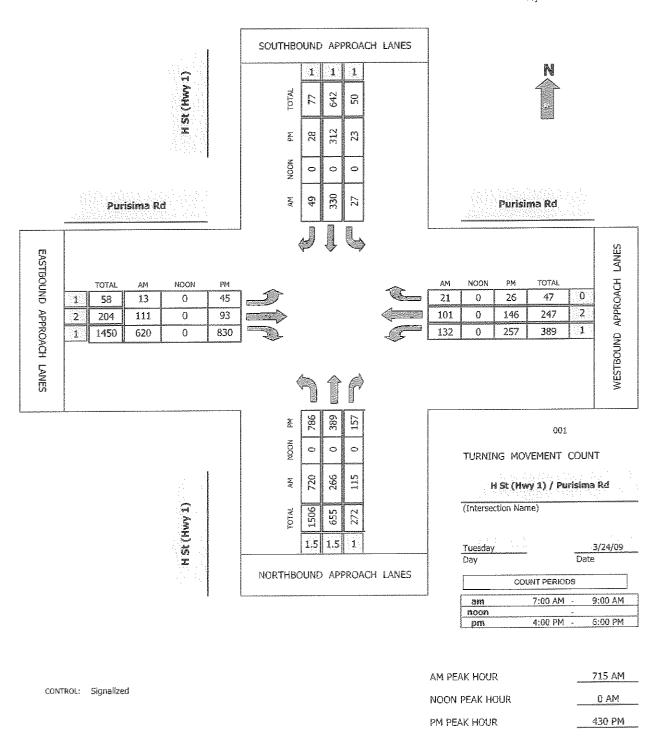


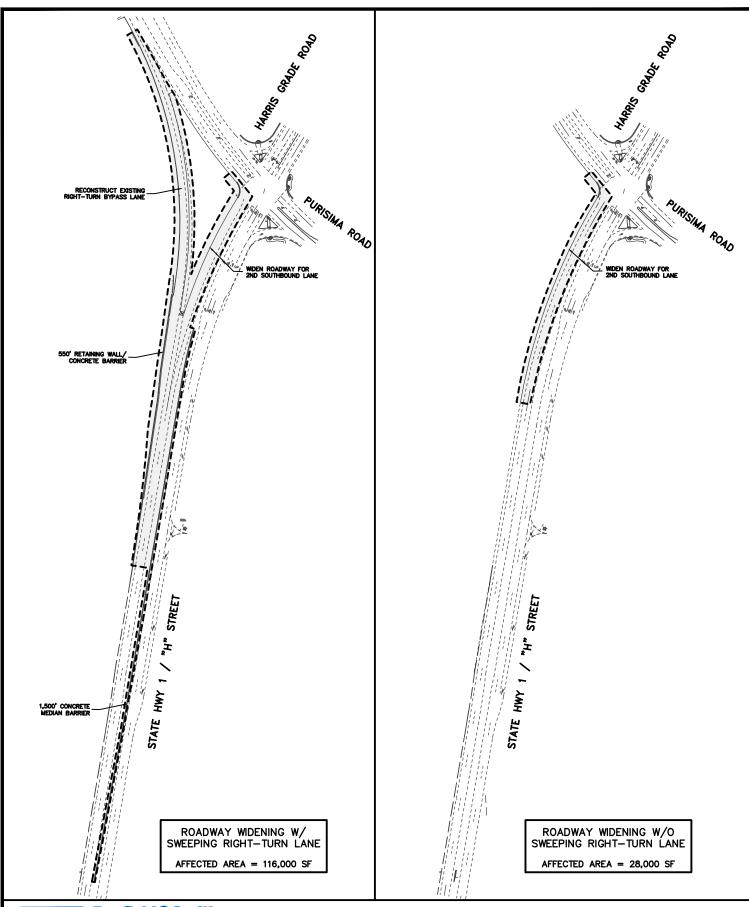
## Intersection Turning Movement

#### National Data & Surveying Services

## TMC Summary of H St (Hwy 1)/Purisima Rd

Project #: 09-8021-001







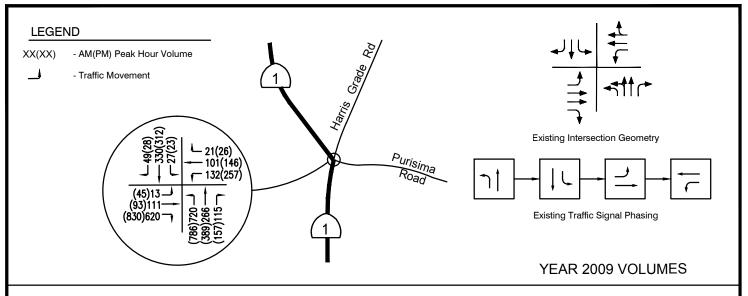
#### Penfield & Smith

Engineers • Surveyors • Planners • Construction Management •

111 East Victoria Street, Santa Barbara, CA 93101 Phone: (805) 963-9532 Fax: (805) 966-9801

## EXHIBIT A

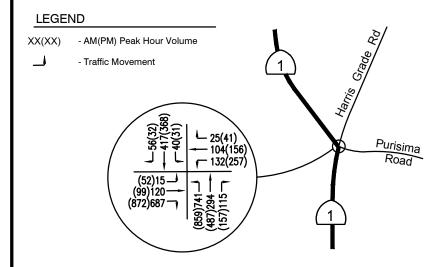
STATE ROUTE 1 / HARRIS GRADE RD ROADWAY WIDENING COMPARISON



70%

## 

BURTON RANCH PROJECT PROJECT-ADDED VOLUMES



YEAR 2009+PROJECT VOLUMES



## Penfield & Smith

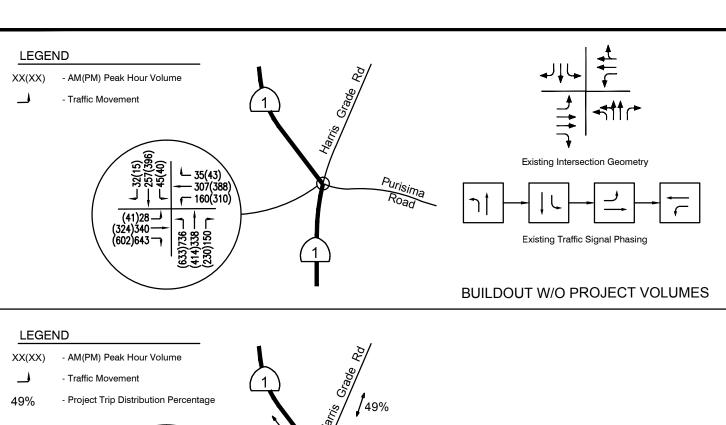
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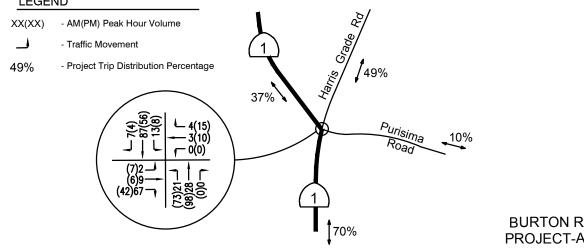
111 East Victoria Street, Santa Barbara, CA 93101 Phone: (805) 963-9532 Fax: (805) 966-9801



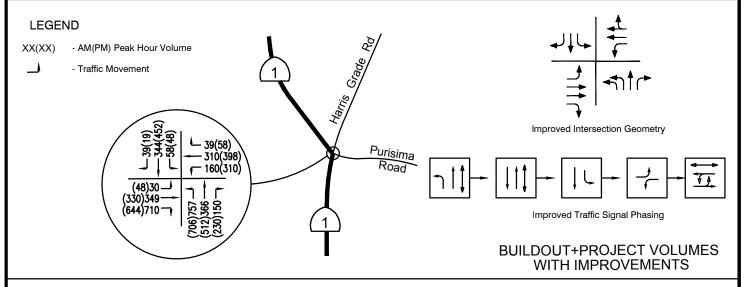
## **EXHIBIT B**

STATE ROUTE 1 / HARRIS GRADE RD YEAR 2009 CONDITIONS PEAK HOUR INTERSECTION VOLUMES





BURTON RANCH PROJECT PROJECT-ADDED VOLUMES





## Penfield & Smith

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## **EXHIBIT C**

STATE ROUTE 1 / HARRIS GRADE RD BUILDOUT CONDITIONS PEAK HOUR INTERSECTION VOLUMES



	7	1	14	4	1	W	•	×	>	•	×	*
Movement	NBL	NBT	NBR	SBL	SBT	SBR	SEL	SET	SER	NWL	NWT	NWR
Lane Configurations	*	ተቡ	7	*5	<b>↑</b>	7	7	<b>十</b> 个	7	ሻ	<b>↑</b> 1>	
Volume (vph)	720	266	115	27	330	49	13	111	620	132	101	21
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	15	12	12	15	12	12	12	12	12	12
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	0.97	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	100
Satd. Flow (prot)	1579	3232	1708	1562	1827	1708	1736	3471	1553	1736	3381	
Flt Permitted	0.95	0.97	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1579	3232	1708	1562	1827	1708	1736	3471	1553	1736	3381	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	783	289	125	29	359	53	14	121	674	143	110	23
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	18	0
Lane Group Flow (vph)	391	681	125	29	359	53	14	121	674	143	115	0
Parking (#/hr)				0						110	,,,	
Turn Type	Split		Free	Split		Free	Split		Free	Split		
Protected Phases	2	2		6	6	B ILLY TO	4	4		8	8	WE E
Permitted Phases			Free			Free			Free	1000		
Actuated Green, G (s)	33.6	33.6	97.0	25.0	25.0	97.0	4.0	4.0	97.0	10.4	10.4	
Effective Green, g (s)	35.6	35.6	97.0	27.0	27.0	97.0	6.0	6.0	97.0	12.4	12.4	
Actuated g/C Ratio	0.37	0.37	1.00	0.28	0.28	1.00	0.06	0.06	1.00	0.13	0.13	
Clearance Time (s)	6.0	6.0		6.0	6.0	7,17.5	6.0	6.0		6.0	6.0	
Vehicle Extension (s)	3.0	3.0	PICEL !	3.0	3.0	3 11 1	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	580	1186	1708	435	509	1708	107	215	1553	222	432	
v/s Ratio Prot	c0.25	0.21		0.02	c0.20	10000	0.01	0.03	1000	c0.08	0.03	-
v/s Ratio Perm			0.07			0.03		0.00	c0.43	NOR LANGE HOLD TO A	0.00	
v/c Ratio	0.67	0.57	0.07	0.07	0.71	0.03	0.13	0.56	0.43	0.64	0.27	
Uniform Delay, d1	25.8	24.6	0.0	25.7	31.4	0.0	43.0	44.2	0.0	40.2	38.2	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	6.2	2.0	0.1	0.3	8.0	0.0	0.6	3.3	0.9	6.3	0.3	-
Delay (s)	32.0	26.6	0.1	26.0	39.4	0.0	43.6	47.6	0.9	46.5	38.5	1
Level of Service	С	С	Α	С	D	Α	D	D	Α	D	D	
Approach Delay (s)		25.6	nuam.	3.77	33.8		EAN	8.6	THE REAL PROPERTY.	N	42.6	830
Approach LOS		С			С			Α			D	2000
Intersection Summary	F 1 5 16 1 1	T Silv	10518		nailes		10.00	[C4] [75]	01.00	1500	201-00	1 516
HCM Average Control Dela	V		23.6	Н	CM Level	of Service	9		С			
HCM Volume to Capacity ra		-	0.65	ETIP?					SHE	-		
Actuated Cycle Length (s)	400. 14		97.0	Sı	ım of lost	time (s)			12.0			
Intersection Capacity Utiliza	ition		61.3%		U Level o	all and other wise first the second	7		В			
Analysis Period (min)	wat f		15		HICKLISH	0.54, 17.5			- F			
Description: Purisima Rd	1-11/6						1748					
c Critical Lane Group	N. J. Santo	-	1-1-1-1-1-1									

	7	†	P	I.	+	W	•	×	1	•	K	*
Movement	NBL	NBT	NBR	SBL	SBT	SBR	SEL	SET	SER	NWL	NWT	NWR
Lane Configurations	7	44	7	7	<b>†</b>	7	N.	个个	7	19	<b>↑</b> ↑	
Volume (vph)	786	389	157	23	312	28	45	93	830	257	146	26
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	15	12	12	15	12	12	12	12	12	12
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	0.98	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1579	3244	1708	1736	1827	1708	1736	3471	1553	1736	3393	
Flt Permitted	0.95	0.98	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	T
Satd. Flow (perm)	1579	3244	1708	1736	1827	1708	1736	3471	1553	1736	3393	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	854	423	171	25	339	30	49	101	902	279	159	28
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	15	0
Lane Group Flow (vph)	427	850	171	25	339	30	49	101	902	279	172	0
Turn Type	Split		Free	Split	-	Free	Split	3017	Free	Split		2.7
Protected Phases	2	2	1100	6	6	1100	4	4	1100	8	8	
Permitted Phases	STATE OF THE PARTY OF		Free			Free		1. 4 16	Free	No let		
Actuated Green, G (s)	32.1	32.1	97.0	20.6	20.6	97.0	3.0	3.0	97.0	17.3	17.3	
Effective Green, g (s)	34.1	34.1	97.0	22.6	22.6	97.0	5.0	5.0	97.0	19.3	19.3	- 3
Actuated g/C Ratio	0.35	0.35	1.00	0.23	0.23	1.00	0.05	0.05	1.00	0.20	0.20	-
Clearance Time (s)	6.0	6.0	1100	6.0	6.0		6.0	6.0	-	6.0	6.0	. 75
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	-
Lane Grp Cap (vph)	555	1140	1708	404	426	1708	89	179	1553	345	675	1
v/s Ratio Prot	c0.27	0.26	1700	0.01	c0.19	1700	0.03	0.03	1000	c0.16	0.05	
v/s Ratio Perm	60.27	0.20	0.10	0.01	00.10	0.02	18811140	0.00	c0.58	00.10	0.00	
v/c Ratio	0.77	0.75	0.10	0.06	0.80	0.02	0.55	0.56	0.58	0.81	0.25	-
Uniform Delay, d1	28.0	27.6	0.0	29.0	35.0	0.0	44.9	44.9	0.0	37.1	32.8	100000
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	9.9	4.5	0.1	0.3	14.3	0.0	7.2	4.0	1.6	13.0	0.2	1000
Delay (s)	37.8	32.1	0.1	29.2	49.3	0.0	52.1	49.0	1.6	50.1	33.0	1000
Level of Service	57.0 D	C	Α.	C C	D	A	D	D	A	D	C	tionin e
For Section (1997), Application of Applications of the Publish (1997)		30.0		usbit M.	44.3			8.5			43.2	Mi W
Approach Delay (s) Approach LOS		C		WE.	D		T-T-T-	A	1997		D	
Intersection Summary			MILE	TON Y	Philip III	REP.	TATE OF					1
<b>HCM Average Control Dela</b>			26.8	Н	CM Level	of Service	)		C			
HCM Volume to Capacity ra	atio		0.77						- North			
Actuated Cycle Length (s)			97.0		um of lost				12.0			100
Intersection Capacity Utiliza	ation		69.7%	IC	U Level o	f Service			С			
Analysis Period (min)	1 1 1	1 2 3	15			111110					. 3	
Description: Purisima Rd c Critical Lane Group					INTE			312		1511.01	أحله	

	7	1	14	L	1	W	•	×	7	~	K	*
Movement	NBL	NBT	NBR	SBL	SBT	SBR	SEL	SET	SER	NWL	NWT	NWF
Lane Configurations	15	474	7	*5	<b>↑</b>	7	*5	44	74	'n	<b>1</b>	
Volume (vph)	741	294	115	40	417	56	15	120	687	132	104	25
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	15	12	12	15	12	12	12	12	12	12
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	0.97	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1579	3235	1708	1562	1827	1708	1736	3471	1553	1736	3371	
Flt Permitted	0.95	0.97	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1579	3235	1708	1562	1827	1708	1736	3471	1553	1736	3371	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	805	320	125	43	453	61	16	130	747	143	113	27
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	21	0
Lane Group Flow (vph)	402	723	125	43	453	61	16	130	747	143	119	0
Parking (#/hr)	102	120	120	0	100			100	ISU 8	110	,,,,	
Turn Type	Split		Free	Split		Free	Split		Free	Split		
Protected Phases	2	2	1100	6	6	1100	4	4	1100	8	8	NEW Y
Permitted Phases			Free			Free			Free		-	-
Actuated Green, G (s)	31.3	31.3	97.0	28.0	28.0	97.0	4.0	4.0	97.0	9.7	9.7	
Effective Green, g (s)	33.3	33.3	97.0	30.0	30.0	97.0	6.0	6.0	97.0	11.7	11.7	
Actuated g/C Ratio	0.34	0.34	1.00	0.31	0.31	1.00	0.06	0.06	1.00	0.12	0.12	
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0	1.00	6.0	6.0	1.00	6.0	6.0	
Vehicle Extension (s)	3.0	3.0	11/22 -2	3.0	3.0	715.70	3.0	3.0	a tracking	3.0	3.0	
Lane Grp Cap (vph)	542	1111	1708	483	565	1708	107	215	1553	209	407	
v/s Ratio Prot	c0.25	0.22	1700	0.03	c0.25	1700	0.01	0.04	1000	c0.08	0.04	
v/s Ratio Perm	00.20	0.22	0.07	0.00	00.20	0.04	0.01	0.01	c0.48	00.00	0.04	
v/c Ratio	0.74	0.65	0.07	0.09	0.80	0.04	0.15	0.60	0.48	0.68	0.29	
Uniform Delay, d1	28.1	26.9	0.0	23.8	30.8	0.0	43.1	44.3	0.0	40.9	38.9	
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	8.9	3.0	0.1	0.4	11.4	0.0	0.6	4.7	1.1	8.9	0.4	
Delay (s)	36.9	29.9	0.1	24.2	42.2	0.0	43.7	49.1	1.1	49.8	39.3	
Level of Service	D	C	A	C	D	A	D	D	Α	D	D	-
Approach Delay (s)	benefit lines	29.2	<b>DESCRIPT</b>	TOTAL CO.	36.2	mario	2002	8.8			44.6	
Approach LOS	on the literature	C			D			A			D	
Intersection Summary	no Color Juli		Ties (S	Hiller	Michelle					Miles Est		3311
HCM Average Control Delay	/		25.9	Н	CM Level	of Service	е		С			
HCM Volume to Capacity ra			0.72				100	nieries	- 10 10			
Actuated Cycle Length (s)			97.0	Si	m of lost	time (s)	100		12.0			
Intersection Capacity Utiliza	tion		66.5%		U Level o		1000	111	С			
Analysis Period (min)			15									
Description: Purisima Rd	111111111	1							345/11	NAME OF TAXABLE PARTY.		
c Critical Lane Group	HI		00.00-00		-				OLDER CA.	-		

	7	1	PA	4	1	W	•	×	1	•	K	*
Movement	NBL	NBT	NBR	SBL	SBT	SBR	SEL	SET	SER	NWL	NWT	NWR
Lane Configurations	19	ተቡ	7	*	<b>↑</b>	7	N,	44	7	7	<b>1</b>	
Volume (vph)	859	487	157	31	368	32	52	99	872	257	156	41
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	15	12	12	15	12	12	12	12	12	12
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	0.98	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1579	3250	1708	1736	1827	1708	1736	3471	1553	1736	3362	
Flt Permitted	0.95	0.98	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	3311
Satd. Flow (perm)	1579	3250	1708	1736	1827	1708	1736	3471	1553	1736	3362	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	934	529	171	34	400	35	57	108	948	279	170	45
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	24	0
Lane Group Flow (vph)	476	987	171	34	400	35	57	108	948	279	191	0
Turn Type	Split	001	Free	Split	100	Free	Split	- 100	Free	Split		
Protected Phases	2	2	1100	6	6	1100	4	4	1,00	8	8	
Permitted Phases	***	-	Free			Free			Free		31	H 212
Actuated Green, G (s)	32.1	32.1	97.0	22.0	22.0	97.0	3.0	3.0	97.0	15.9	15.9	
Effective Green, g (s)	34.1	34.1	97.0	24.0	24.0	97.0	5.0	5.0	97.0	17.9	17.9	STATE OF
Actuated g/C Ratio	0.35	0.35	1.00	0.25	0.25	1.00	0.05	0.05	1.00	0.18	0.18	100000
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0	1.00	6.0	6.0	1.00	6.0	6.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
	555	1143	1708	430	452	1708	89	179	1553	320	620	
Lane Grp Cap (vph) v/s Ratio Prot	0.30	c0.30	1700	0.02	c0.22	1700	0.03	0.03	1000	c0.16	0.06	
v/s Ratio Prot v/s Ratio Perm	0.30	00.50	0.10	0.02	00.22	0.02	0.03	0.03	c0.61	CO. 10	0.00	
v/c Ratio	0.86	0.86	0.10	0.08	0.88	0.02	0.64	0.60	0.61	0.87	0.31	
	29.2	29.3	0.10	28.0	35.2	0.02	45.1	45.0	0.0	38.4	34.2	
Uniform Delay, d1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Progression Factor Incremental Delay, d2	15.7	8.7	0.1	0.4	21.6	0.0	14.7	5.6	1.8	22.0	0.3	20-20
p stylingsteen with prison were personally a first transfer	44.9	38.0	0.1	28.4	56.8	0.0	59.8	50.7	1.8	60.4	34.5	
Delay (s)	D D	D	Α	C C	50.6 E	Α	E	D D	Α	E	C	name to
Level of Service	U	36.0	Α.	C	50.5	^		9.5		E.	49.1	
Approach LOS		D	1181 1.0	and the	D			3.5 A	-		D	and the
Approach LOS		U			U		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- ^			U	11/10
Intersection Summary	1000		PHETT	ME M		ST.		114	TO IN		THE DY	
HCM Average Control Delay			31.7	H	CM Level	of Service	8		C			
HCM Volume to Capacity ratio			0.84									
Actuated Cycle Length (s)			97.0		um of lost				12.0			
Intersection Capacity Utilization			75.9%	IC	CU Level o	of Service			D			
Analysis Period (min)			15									
Description: Purisima Rd												
c Critical Lane Group				1								Te.

	1	$\rightarrow$	1	-	-	*	1	1	-	1	+	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	ተተ	7	75	<b>1</b>		7	414	7	7	<b>^</b>	75
Volume (vph)	28	340	643	160	307	35	736	338	150	45	257	32
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	12	12	12	12	12	12	15	12	12	15
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.91	0.91	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85
FIt Protected	0.95	1.00	1.00	0.95	1.00	385	0.95	0.97	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1736	3471	1553	1736	3418		1579	3241	1708	1736	1827	1708
Flt Permitted	0.53	1.00	1.00	0.28	1.00		0.95	0.97	1.00	0.95	1.00	1.00
Satd. Flow (perm)	969	3471	1553	503	3418		1579	3241	1708	1736	1827	1708
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	30	370	699	174	334	38	800	367	163	49	279	35
RTOR Reduction (vph)	0	0	0	0	9	0	0	0	0	0	0	0
Lane Group Flow (vph)	30	370	699	174	363	0	400	767	163	49	279	35
Turn Type	pm+pt	7	Free	pm+pt		****	Split		Free	Split	W 4000	Free
Protected Phases	7	4	1100	3	8		2	2	1.00	6	6	1100
Permitted Phases	4		Free	8				meulo	Free			Free
Actuated Green, G (s)	17.0	14.3	97.0	27.6	19.6		31.7	31.7	97.0	19.0	19.0	97.0
Effective Green, g (s)	21.0	16.3	97.0	30.3	21.6	1 1	33.7	33.7	97.0	21.0	21.0	97.0
Actuated g/C Ratio	0.22	0.17	1.00	0.31	0.22		0.35	0.35	1.00	0.22	0.22	1.00
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0		6.0	6.0	1.00	6.0	6.0	1.00
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	e e	3.0	3.0	
Lane Grp Cap (vph)	247	583	1553	284	761		549	1126	1708	376	396	1708
v/s Ratio Prot	0.01	0.11	1000	c0.06	0.11		c0.25	0.24	1700	0.03	c0.15	1700
v/s Ratio Perm	0.02	0.11	c0.45	c0.13	0.11		00.20	0.24	0.10	0.03	CO. 13	0.02
v/c Ratio	0.02	0.63	0.45	0.61	0.48		0.73	0.68	0.10	0.13	0.70	0.02
Uniform Delay, d1	30.3	37.6	0.0	26.1	32.8		27.7	27.1	0.0	30.6	35.1	0.02
	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Progression Factor	0.2	2.3	0.9	3.9	0.5	~	200	3.3	0.1	0.7	10.1	0.0
Incremental Delay, d2	30.5	39.8	0.9	30.0	33.3	1	35.9	30.4	0.1	31.4	45.2	0.0
Delay (s) Level of Service	C	D	Α.	30.0 C	C		D	C	Α	C	43.2 D	Α
THE RESIDENCE OF THE PARTY OF T		14.8			32.2			28.3	A	Ç	39.0	A
Approach LOS	CERTIFICATION	14.0 B		-	C		and the last	C C	containment	na como	39.0 D	0017100
Approach LOS	0/-10/-43	D.			Ų	0-1-1		U			ט	
Intersection Summary					1				- W. J.			
HCM Average Control Delay			25.7	H(	CM Level	of Service	е		С			9 1
HCM Volume to Capacity rati	io		0.64			NAME OF TAXABLE PARTY.						
Actuated Cycle Length (s)			97.0		im of lost				8.0	s. 615		
Intersection Capacity Utilizati			65.6%	IC	U Level c	f Service			С			
Analysis Period (min)			15		5 1 W				100		113	18
Description: Purisima Rd												
c Critical Lane Group						1		1180				100

	1	-	*	1	-	*	1	1	-	1	1	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL.	NBT	NBR	SBL	SBT	SBF
Lane Configurations	79	ተተ	7	*5	<b>1</b>		*	414	7	*	<b>↑</b>	79
Volume (vph)	41	324	602	310	388	43	633	414	230	40	396	15
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	12	12	12	12	12	12	15	12	12	15
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.91	0.91	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.98	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1736	3471	1553	1736	3419		1579	3258	1708	1736	1827	1708
Flt Permitted	0.48	1.00	1.00	0.27	1.00	-	0.95	0.98	1.00	0.95	1.00	1.00
Satd. Flow (perm)	882	3471	1553	487	3419		1579	3258	1708	1736	1827	1708
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	300%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Adj. Flow (vph)	134	352	654	337	422	47	688	450	250	43	430	16
RTOR Reduction (vph)	0	0	0	0	9	0	0	0	0	0	0	0
Lane Group Flow (vph)	134	352	654	337	460	0	372	766	250	43	430	16
Turn Type	pm+pt		Free	pm+pt			Split		Free	Split		Free
Protected Phases	7	4	1100	3	8		2	2	1100	6	6	. 100
Permitted Phases	4		Free	8	-				Free			Free
Actuated Green, G (s)	13.9	9.0	97.0	29.0	18.1		27.0	27.0	97.0	23.0	23.0	97.0
Effective Green, g (s)	17.9	11.0	97.0	31.0	20.1		29.0	29.0	97.0	25.0	25.0	97.0
Actuated g/C Ratio	0.18	0.11	1.00	0.32	0.21	-	0.30	0.30	1.00	0.26	0.26	1.00
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0		6.0	6.0	1.00	6.0	6.0	1.00
Vehicle Extension (s)	3.0	3.0		3.0	3.0	1-7	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	224	394	1553	362	708		472	974	1708	447	471	1708
v/s Ratio Prot	0.04	0.10	1000	c0.15	0.13		c0.24	0.24	1700	0.02	c0.24	1700
v/s Ratio Perm	0.07	0.10	0.42	c0.14	0.10		00.24	0.24	0.15	0.02	00.24	0.01
v/c Ratio	0.60	0.89	0.42	0.93	0.65		0.79	0.79	0.15	0.10	0.91	0.01
Uniform Delay, d1	35.0	42.4	0.0	28.5	35.2		31.2	31.2	0.0	27.4	34.9	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	4.3	21.7	0.8	30.2	2.1		12.5	6.4	0.2	0.4	24.6	0.0
Delay (s)	39.2	64.1	0.8	58.7	37.4	-	43.7	37.5	0.2	27.8	59.6	0.0
Level of Service	D	E	Α.	E	D		D	D	Α	C C	E	Α
Approach Delay (s)		24.9	-	-	46.3		-	32.5		-	54.8	^
Approach LOS	-	24.3 C			TO.0			02.0 C			D D	
											U	
Intersection Summary	- A - N		or justice									
HCM Average Control Delay			36.0	Н	CM Level	of Service	e		D			
HCM Volume to Capacity ratio	)		0.87			11.54.5			-17			
Actuated Cycle Length (s)			97.0		um of lost				12.0			
Intersection Capacity Utilizatio	n	31	80.2%	IC	U Level	of Service			D			
Analysis Period (min)			15									
Description: Purisima Rd	- 5					Luci						
c Critical Lane Group												

	1	-	7	1	4	1	1	1	-	1	+	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	N.	<b>^</b>	7	Y	<b>↑</b> ↑		7	44	7	*	<b>↑</b>	7"
Volume (vph)	30	349	710	160	310	39	757	366	150	58	344	39
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	12	12	12	12	12	12	15	12	12	15
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	7-1-	0.91	0.91	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1911	0.95	0.98	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1736	3471	1553	1736	3413		1579	3243	1708	1736	1827	1708
Flt Permitted	0.51	1.00	1.00	0.26	1.00		0.95	0.98	1.00	0.95	1.00	1.00
Satd. Flow (perm)	928	3471	1553	477	3413		1579	3243	1708	1736	1827	1708
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	33	379	772	174	337	42	823	398	163	63	374	42
RTOR Reduction (vph)	0	0	0	0	9	0	0	0	0	0	0	0
Lane Group Flow (vph)	33	379	772	174	370	0	411	810	163	63	374	42
Turn Type	pm+pt		Free	pm+pt	-	1130	Split	30,15	Free	Split		Free
Protected Phases	7	4	1100	3	8	-	2	2	1100	6	6	1100
Permitted Phases	4		Free	8		-	TARKE.	<b>CONTRACT</b>	Free		150	Free
Actuated Green, G (s)	16.7	14.0	97.0	26.5	18.9		28.4	28.4	97.0	23.0	23.0	97.0
Effective Green, g (s)	20.7	16.0	97.0	29.6	20.9		30.4	30.4	97.0	25.0	25.0	97.0
Actuated g/C Ratio	0.21	0.16	1.00	0.31	0.22		0.31	0.31	1.00	0.26	0.26	1.00
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0	damining.	6.0	6.0	1.00	6.0	6.0	1.00
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	237	573	1553	270	735	Girl "Te. "	495	1016	1708	447	471	1708
v/s Ratio Prot	0.01	0.11	1000	c0.06	0.11	- Indiana	c0.26	0.25	1700	0.04	c0.20	1700
v/s Ratio Perm	0.02	0.11	c0.50	c0.13	0.11		CO.20	0.20	0.10	0.04	60.20	0.02
v/c Ratio	0.02	0.66	0.50	0.64	0.50		0.83	0.80	0.10	0.14	0.79	0.02
Salar and the sa	30.6	38.0	0.0	26.7	33.5	12000112	30.9	30.5	0.0	27.7	33.6	0.02
Uniform Delay, d1	1.00	1.00	1.00	1.00	1.00	سماعدات	1.00	1.00	1.00	1.00	1.00	1.00
Progression Factor	0.3	2.9	1.00	5.2	0.5	10 10 10 10	14.9	6.5	0.1	0.7	12.9	0.0
Incremental Delay, d2	30.9	STREET, SEPARATION, SAME	1.1	31.9	34.0		45.8	37.0	0.1	28.4	46.5	0.0
Delay (s)	30.9 C	40.8 D	Α.	C C	34.0	CONTRACTOR IN	45.6 D	D D	Α.1	20.4 C	40.5 D	Α.
Level of Service	· ·	14.7	A	U	33.3		U	35.3	Α.	C.	40.1	, A
Approach Delay (s)	unionistino.	and the second second second	cyanting on	I CONTROL	The last description with	ete deserv	MINISTER OF	NOT THE REAL PROPERTY.	195.55	THE REAL PROPERTY.	Street Street But Street	-
Approach LOS		В			С			D	alan Di Salah		D	12.00
Intersection Summary		1	A STATE		HORAL						n de de	
<b>HCM Average Control Dela</b>	y		28.8	H	CM Level	of Service	е		C			
HCM Volume to Capacity ra	atio		0.72									
Actuated Cycle Length (s)			97.0	St	ım of lost	time (s)			8.0			
Intersection Capacity Utiliza	ation		71.4%	IC	U Level o	f Service			C			
Analysis Period (min)	3100		15		1							
Description: Purisima Rd												
c Critical Lane Group	Section 1	F103		100	THE ST	11 11-11	+1			70000	707119	11137

	1	-	*	1	4	*	1	1	1	1	1	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBF
Lane Configurations	7	44	7"	15	<b>1</b>	Laboration of the	*5	474	7	7	<b>↑</b>	7
Volume (vph)	48	330	644	310	398	58	706	512	230	48	452	19
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	12	12	12	12	12	12	15	12	12	15
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.91	0.91	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85
Fit Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.98	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1736	3471	1553	1736	3405		1579	3263	1708	1736	1827	1708
Flt Permitted	0.37	1.00	1.00	0.27	1.00		0.95	0.98	1.00	0.95	1.00	1.00
Satd. Flow (perm)	677	3471	1553	494	3405		1579	3263	1708	1736	1827	1708
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	300%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Adj. Flow (vph)	157	359	700	337	433	63	767	557	250	52	491	21
	× 1,7 1	0	0	0	12	0	0	0	0	0	0	0
RTOR Reduction (vph)	0 157	359	700	337	484	0	430	894	250	52	491	_
Lane Group Flow (vph)		309			404	0		094			491	21
Turn Type	pm+pt	-	Free	pm+pt			Split		Free	Split	-	Free
Protected Phases	7	4		3	8		2	2		6	6	
Permitted Phases	4	- Contract	Free	8	100		10000	1122120	Free	- Number	20/0	Free
Actuated Green, G (s)	15.4	8.8	97.0	27.8	15.2		26.2	26.2	97.0	25.0	25.0	97.0
Effective Green, g (s)	19.4	10.8	97.0	29.8	17.2		28.2	28.2	97.0	27.0	27.0	97.0
Actuated g/C Ratio	0.20	0.11	1.00	0.31	0.18		0.29	0.29	1.00	0.28	0.28	1.00
Clearance Time (s)	6.0	6.0		6.0	6.0		6.0	6.0		6.0	6.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	229	386	1553	344	604	- 1	459	949	1708	483	509	1708
v/s Ratio Prot	0.06	0.10	. 12.00	c0.15	0.14		0.27	c0.27		0.03	c0.27	16.77
v/s Ratio Perm	0.08		0.45	c0.15					0.15			0.01
v/c Ratio	0.69	0.93	0.45	0.98	0.80		0.94	0.94	0.15	0.11	0.96	0.01
Uniform Delay, d1	34.2	42.7	0.0	30.2	38.3		33.5	33.6	0.0	26.0	34.5	0.0
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	8.2	28.8	0.9	42.5	7.6		28.9	18.2	0.2	0.4	32.0	0.0
Delay (s)	42.4	71.5	0.9	72.7	45.8		62.4	51.8	0.2	26.5	66.6	0.0
Level of Service	D	E	Α	E	D		Е	D	Α	С	Е	Α
Approach Delay (s)	والناشا	27.1			56.7		STATE OF	46.5			60.4	
Approach LOS		С	***		E			D			E	
Intersection Summary	i it	100	With the	7 7 7	200			100 m	300	185	mis 3	IF IS
HCM Average Control Delay			44.8	Н	CM Level	of Servic	e		D			
HCM Volume to Capacity ratio			0.95		W. W.	N. YEST						THE !
Actuated Cycle Length (s)			97.0	Si	um of lost	time (s)			12.0			
Intersection Capacity Utilization	1		86.5%			of Service			E			
Analysis Period (min)			15	10	5 201010	00/1100						
Description: Purisima Rd			10					-			-	
c Critical Lane Group												

	1	-	*	1	-	*	1	1	1	1	1	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	*5	<b>^</b>	7	19	<b>1</b>		14.64	<b>↑</b>	7	*	^	7
Volume (vph)	30	349	710	160	310	39	757	366	150	58	344	39
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	12	12	12	12	12	12	12	15	-12	12	15
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	1000	4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1736	3471	1553	1736	3413		3367	1827	1708	1736	1827	1708
Flt Permitted	0.44	1.00	1.00	0.36	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	798	3471	1553	663	3413		3367	1827	1708	1736	1827	1708
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	300%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Adj. Flow (vph)	98	379	772	174	337	42	823	398	163	63	374	42
RTOR Reduction (vph)	0	0	0	0	12	0	0	0	0	0	0	0
Lane Group Flow (vph)	98	379	772	174	367	0	823	398	163	63	374	42
Turn Type	pm+pt	NA	Free	pm+pt	NA		Prot	NA	Free	Prot	NA	Free
Protected Phases	7	4	1100	3	8	-	5	2	1100	1	6	1100
Permitted Phases	4	7.	Free	8	U				Free		9	Free
Actuated Green, G (s)	17.2	13.6	80.0	19.6	14.8		20.8	31.6	80.0	6.0	16.8	80.0
Effective Green, g (s)	21.2	15.6	80.0	23.6	16.8		22.8	33.6	80.0	8.0	18.8	80.0
Actuated g/C Ratio	0.26	0.19	1.00	0.30	0.21		0.29	0.42	1.00	0.10	0.24	1.00
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0		6.0	6.0	1.00	6.0	6.0	1.00
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	mine)
	277	676	1553	286	716		959	767	1708	173	429	1708
Lane Grp Cap (vph)	0.02	0.11	1000	0.05	0.11		c0.24	0.22	1700	0.04	c0.20	1700
v/s Ratio Prot	0.02	0.11	c0.50	c0.13	0.11		00.24	0.22	0.10	0.04	CU.20	0.02
v/s Ratio Perm		0.56	0.50	0.61	0.51		0.86	0.52	0.10	0.36	0.87	0.02
v/c Ratio	0.35 23.0		0.0	22.3	28.0		27.1	17.2	0.10	33.6	29.4	0.02
Uniform Delay, d1		29.1	1.00		1.00	79-3-3	1.00	1.00	1.00	1.00	1.00	1.00
Progression Factor	1.00	1.00	1.1	1.00	0.6	-	9.8	2.5	0.1	5.8	20.9	0.0
Incremental Delay, d2	0.8	30.2	1.1		28.6		36.9	19.7	0.1	39.5	50.4	0.0
Delay (s)	23.7 C	30.2 C		25.9 C	20.0 C		30.9 D	19.7 B	Α	39.3 D	D	Α.
Level of Service	·		Α		and the ball of the ball			27.6	^	U	44.5	
Approach Delay (s)		11.7	-5.0	L. idea	27.8 C			27.0 C			44.5 D	200
Approach LOS		В			C			C			D	
Intersection Summary			1 14	A CONTRACT	10 July -	EXPRE				100		ji.
HCM 2000 Control Delay			24.4	Н	CM 2000	Level of	Service		C			
HCM 2000 Volume to Capa	acity ratio		0.80									3 1 1 1
Actuated Cycle Length (s)			80.0	Si	um of lost	time (s)		16.0				
Intersection Capacity Utilization			71.5%			of Service			C			1
Analysis Period (min)			15		The second second	A STATE OF THE PARTY OF T						
Description: Purisima Rd	1.14		25.77					1				
c Critical Lane Group												

	1	-	1	-	<b>←</b>	*	1	1	-	1	1	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBF
Lane Configurations	19	<b>^</b>	7	19	<b>1</b>		1,4	*	7	7	<b>^</b>	7
Volume (vph)	48	330	644	310	398	58	706	512	230	48	452	19
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	- 12	12	12	-12	12	12	12	12	15	12	12	15
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.97	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1736	3471	1553	1736	3405		3367	1827	1708	1736	1827	1708
FIt Permitted	0.39	1.00	1.00	0.28	1.00		0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (perm)	721	3471	1553	515	3405		3367	1827	1708	1736	1827	1708
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	300%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Adj. Flow (vph)	157	359	700	337	433	63	767	557	250	52	491	21
RTOR Reduction (vph)	0	0	0	0	15	0	0	0	0	0	0	C
Lane Group Flow (vph)	157	359	700	337	481	0	767	557	250	52	491	21
Turn Type	pm+pt	NA	Free	pm+pt	NA		Prot	NA	Free	Prot	NA	Free
Protected Phases	7	4	1100	3	8		5	2	1100	1	6	1100
Permitted Phases	4	7	Free	8					Free			Free
Actuated Green, G (s)	12.7	8.2	80.0	23.3	13.5		17.2	33.5	80.0	4.5	20.8	80.0
Effective Green, g (s)	16.7	10.2	80.0	26.0	15.5		19.2	35.5	80.0	6.5	22.8	80.0
Actuated g/C Ratio	0.21	0.13	1.00	0.32	0.19		0.24	0.44	1.00	0.08	0.29	1.00
Clearance Time (s)	6.0	6.0	1.00	6.0	6.0		6.0	6.0	1,.00	6.0	6.0	1.00
Vehicle Extension (s)	3.0	3.0	a di Chin S	3.0	3.0		3.0	3.0	-	3.0	3.0	
Lane Grp Cap (vph)	232	442	1553	347	659		808	810	1708	141	520	1708
v/s Ratio Prot	0.05	0.10	1000	c0.14	0.14	-0.00	c0.23	0.30	1700	0.03	c0.27	1700
v/s Ratio Perm	0.09	0.10	0.45	c0.14	0.14	-	60.25	0.50	0.15	0.03	60.27	0.01
v/c Ratio	0.68	0.81	0.45	0.97	0.73		0.95	0.69	0.15	0.37	0.94	0.01
Description of the Control of the Co	27.6	34.0	0.0	23.9	30.3		29.9	17.8	0.10	34.8	28.0	0.0
Uniform Delay, d1	1.00	1.00	1.00	1.00	1.00	STED INC.	1.00	1.00	1.00	1.00	1.00	1.00
Progression Factor	7.6	10.9	0.9	40.4	4.2		21.5	4.7	0.2	7.3	27.8	0.0
Incremental Delay, d2	35.1	44.8	0.9	64.4	34.5		51.4	22.5	0.2	42.1	55.8	0.0
Delay (s)	33.1 D	44.0 D	Α.	E	C C		D D	C	A	D	55.6 E	Α.
Level of Service	CONTRACTOR OF THE PARTY OF THE		^		46.6			33.1			52.4	
Approach Delay (s)	133	18.3		2000	Occupantion of the last				l page ( l		de.	
Approach LOS		В			D			С			D	
Intersection Summary						S JEST	713 B	Val.				400
HCM 2000 Control Delay			34.1	H	CM 2000	Level of	Service		C			
HCM 2000 Volume to Capa	acity ratio		1.00	100		3 2 0						
Actuated Cycle Length (s)			80.0	St	um of lost	time (s)			16.0			
Intersection Capacity Utilization			83.6%	IC	U Level	of Service			E			
Analysis Period (min)			15									
Description: Purisima Rd	21 25 6		100			1,58		Mary F				
c Critical Lane Group												

# CITY OF LOMPOC PLANNING COMMISSION STAFF REPORT



DATE:

June 11, 2014

TO:

Members of the Planning Commission

FROM:

Lucille T. Breese, AICP, Planning Manager

Michael Luther, City Engineer/ Assistant Public Works Director

RE:

SUPPLEMENTAL INFORMATION

## AGENDA ITEM NO. 2 Continued from May 14, 2014 meeting

A request by Michael Towbes, representing Harris Grade Partners, L.P.; Patrick J. McCarthy and Bridget M. McCarthy; Donald M. Jensen and Lynn D. Gray; Lompoc Ranch Joint Venture; Joe A. Signorelli, Jr.; Adam Peter Signorelli; Gus Thomas Signorelli; and The Towbes Group, Inc. for Planning Commission consideration of an alternative mitigation for Mitigation Measure TRANS 1.2c. adopted with the Final Environmental Impact Report (FEIR 02-01) prepared and certified for the Burton Ranch Specific Plan (BRSP) area and Amendment No. 2 to the BRSP. The project site is located at the intersection of State Highway Route 1, Purisima Road, and Harris Grade Road.

Attached is correspondence from Jon Martin, Martin-Farrell Homes, Inc., dated June 9, 2014, supporting the request.



Martin Farrell Homes, Inc.

330 East Canon Perdido Street, Suite F Santa Barbara, CA 93101-7229 Telephone: (805) 962-8299 Facsimile: (805) 962-2919

June 9, 2014

Planning Commission
City of Lompoc
c/o Lucille Breese, Planning Manager
By e-mail

RE: Burton Ranch Request for Alternative Mitigation Measure

Planning Commission Hearing of June 11, 2014, Item #2

Dear Members of the Planning Commission:

As one of the property owners in the Burton Ranch Specific Plan area, I am writing to you as I am unable to attend to attend your June 11<sup>th</sup> hearing on the proposed project.

We certainly appreciate the time and effort that Lucille and the planning staff has put into this project. The proposal before you has been very carefully studied, for a couple of years now, and the item before you is the result of a significant amount of background work to find a reasonable approach to mitigating traffic impacts of the Burton Ranch project in a financially feasible manner.

We support the recommendation that Planning has made to you, and we are pleased with this financially feasible traffic improvement with equivalent mitigation benefits. Please recall that the cost of these traffic improvements are the burden of the Burton Ranch property owners, not the taxpayers.

We believe that your approval of this recommendation to the City Council will allow this project to move forward. Thank you for your consideration.

Sincerely,

HARRIS GRADE PARTNERS, LP

By Jon Martin, General Partner