

## PM<sub>2.5</sub> Project Assessment Form for Interagency Consultation

### Application of Criteria for a Project of Air Quality Concern

**Project Title: Sonoma County – Adobe Road at East Washington Street Signal**

**Project Summary for Air Quality Conformity Task Force Meeting: May 28, 2015**

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#### Description

- Install traffic signal at existing 3-legged intersection controlled by stop signs
- add turn lanes by widening roadway and shoulders
- lengthen existing box culvert
- add bicycle lanes

#### Background

- NEPA process for Categorical Exclusion complete July 2013
- No comments received on air quality thus far
- Seeking air quality conformity determination on or before May 2015
- Schedule based on deadline for STIP funding allocation

#### Not a Project of Air Quality Concern (40 CFR 93.123(b)(1))

*(i) New or expanded highway projects with significant number/increase in diesel vehicles?*

- Not a new or expanded highway project
- No change in overall traffic volume or truck percentages as a result of the project

*(ii) Affects intersections at LOS D, E, or F with a significant number of diesel vehicles?*

- Project does not include intersections that are or will be at LOS D, E, or F with a significant number of diesel vehicles.
- There will be no project changes to land use that would affect diesel traffic percentage.

*(iii) New bus and rail terminals and transfer points?—Not Applicable*

*(iv) Expanded bus and rail terminals and transfer points?—Not Applicable*

*(v) Affects areas identified in PM<sub>10</sub> or PM<sub>2.5</sub> implementation plan as site of violation?*

The project is not in or affecting location, areas, or categories of sites that are identified in the PM 2.5 applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

The project is the conversion of the traffic control at the Adobe Road and East Washington Street intersection from all-way stop control to traffic signal control. The conversion in traffic control results in reduced vehicle delay and congestion.

**Project Assessment Form for PM<sub>2.5</sub> Interagency Consultation**

<b>RTIP ID#</b> <i>(required)</i> VAR110007									
<b>TIP ID#</b> <i>(required)</i> 240746									
<b>Air Quality Conformity Task Force Consideration Date</b> May 2015									
<b>Project Description</b> <i>(clearly describe project)</i> -Install traffic signal at existing 3-legged intersection controlled by stop signs -add turn lanes by widening roadway and shoulders -lengthen existing box culvert -add bicycle lanes									
<b>Type of Project:</b> Intersection signalization  <i>Pick one project type:</i> New State highway, Change to existing State highway, New regionally significant street, Change to existing regionally significant street, New interchange, Reconfigure existing interchange, Intersection Channelization, Intersection signalization, Roadway realignment, Bus, rail or intermodal facility/terminal/transfer point, Truck weight/inspection station									
<b>County</b> Sonoma	<b>Narrative Location/Route &amp; Postmiles</b> Adobe Road PM 13.97-14.47  <b>Caltrans Projects – EA#</b> 04-925375								
<b>Lead Agency:</b> Sonoma County Transportation and Public Works									
<b>Contact Person</b> Janice Thompson	<b>Phone#</b> 707 565 3609	<b>Fax#</b> 707 565 2620	<b>Email</b> Janice.Thompson@sonoma-county.org						
<b>Federal Action for which Project-Level PM Conformity is Needed</b> <i>(check appropriate box)</i>									
<input checked="" type="checkbox"/>	<b>Categorical Exclusion (NEPA)</b>	<input type="checkbox"/>	<b>EA or Draft EIS</b>	<input type="checkbox"/>	<b>FONSI or Final EIS</b>	<input type="checkbox"/>	<b>PS&amp;E or Construction</b>	<input type="checkbox"/>	<b>Other</b>
<b>Scheduled Date of Federal Action:</b> NEPA approved July 2012									
<b>NEPA Delegation – Project Type</b> <i>(check appropriate box)</i>									
<input type="checkbox"/>	<b>Exempt</b>	<input checked="" type="checkbox"/>	<b>Section 6004 – Categorical Exemption</b>	<input type="checkbox"/>	<b>Section 6005 – Non-Categorical Exemption</b>				
<b>Current Programming Dates</b> <i>(as appropriate)</i>									
	<b>PE/Environmental</b>	<b>ENG</b>	<b>ROW</b>	<b>CON</b>					
<b>Start</b>	12/08	n/a	n/a	5/15					
<b>End</b>	7/12	n/a	n/a	12/16					
<b>Project Purpose and Need (Summary):</b> <i>(please be brief)</i> The conversion of the Adobe Road and east Washington Street intersection from all-way stop control to traffic signal control.  Purpose: To address the collision history at the intersection and to reduce vehicle delay.  Need: To provide enhanced traffic control at the intersection.									

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**Surrounding Land Use/Traffic Generators** *(especially effect on diesel traffic)*

Northeast Corner – Agricultural Lands, Nursery  
Southeast Corner – Agricultural Lands, Dog Kennel  
Northwest Corner – Science of the Soul Study Center  
Southwest Corner – Agricultural Lands

**Brief summary of assumptions and methodology used for conducting analysis** *(please keep this concise – specifics may include date of when traffic counts were conducted, studies where truck percentages were derived)*

Traffic Counts collected in 2014. Truck percentages are estimated from Caltrans' 2009 Annual Average Daily Truck Traffic on the California State Highway System.

**Opening Year: If facility is a highway or street, Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility**

**RTP Horizon Year / Design Year: If facility is a highway or street, Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility**

**Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT**

Adobe Road: No Build AADT = 14,850, Truck AADT = 890 (6.0%)  
Build AADT = 14,850, Truck AADT = 890 (6.0%)  
East Washington Street Northbound Approach: No Build AADT = 4,318, Truck AADT = 259 (6.0%)  
Build AADT = 4,318, Truck AADT = 259 (6.0%)

**RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT**

Adobe Road: No Build AADT = 16,490, Truck AADT = 989 (6.0%)  
Build AADT = 16,490, Truck AADT = 989 (6.0%)  
East Washington Street Northbound Approach: No Build AADT = 4,790, Truck AADT = 287 (6.0%)  
Build AADT = 4,790, Truck AADT = 287 (6.0%)

Note: Truck percentages are estimated from Caltrans' 2009 Annual Average Daily Truck Traffic on the California State Highway System.

**Opening Year: If facility is a bus, rail or intermodal facility/terminal/transfer point, # of bus arrivals for Build and No Build, % and # of bus arrivals will be diesel buses**

**RTP Horizon Year / Design Year: If facility is a bus, rail or intermodal facility/terminal/transfer point, # of bus arrivals for Build and No Build, % and # of bus arrivals will be diesel buses**

**Describe potential traffic redistribution effects of congestion relief** *(impact on other facilities)*  
None

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### **Comments/Explanation/Details** *(please be brief)*

The project is not considered a POAQC as defined in 40 CFR 93.123(b), for the following reasons:

1. The project is not a new or expanded highway project with a significant number of or increase in diesel vehicles.
2. The project does not include intersections that are or will be at D, E, or F with a significant number of diesel vehicles.
3. The project does not include the construction of a new bus or rail terminal with a significant number diesel vehicles congregating at a single location.
4. The project does not expand an existing bus or rail terminal with significant increases in the number of diesel vehicles congregating at a single location.
5. The project is not in or affecting location, areas, or categories of sites that are identified in the PM 2.5 applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

The project is the conversion of the traffic control at the Adobe Road and East Washington Street intersection from all-way stop control to traffic signal control. The conversion in traffic control results in reduced vehicle delay and congestion. Therefore, the project meets the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. The project will not create or worsen an existing PM 2.5 violation.

# Location Map

## Adobe Road at East Washington Road Signalization Project



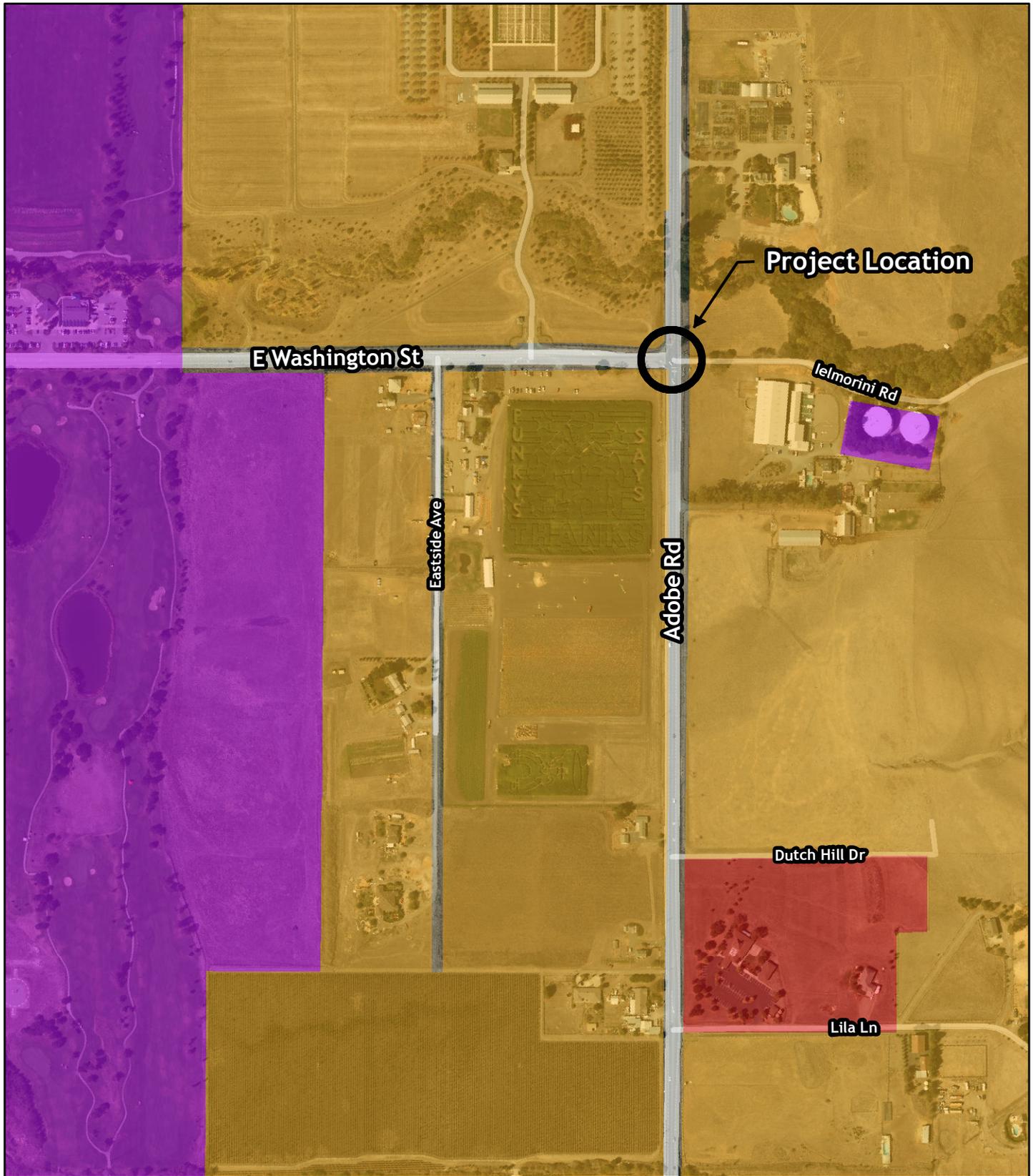
 City Limit  Sonoma County  Outside County  Public Land



0 0.5 1 2 Miles

# Surrounding Land Use

Adobe Road at East Washington Road Signalization Project



Land Use:

- Diverse Agriculture
- Public Facilities
- City of Petaluma



0 250 500 Feet