

1 **4.13 TRANSPORTATION AND TRAFFIC**

2 This Section describes existing conditions, potential Project-related impacts, and
3 proposed mitigation measures for transportation and circulation issues in the Project
4 area. Included are descriptions of the environmental setting in terms of
5 transportation and traffic that could be affected by the proposed Project. Federal,
6 State, and local regulations that could affect the Project construction and operation
7 are discussed followed by discussions of impacts and mitigation measures,
8 organized by each of the significance criteria identified.

9 **4.13.1 Environmental Setting**

10 The roadway network affected by the Project is in Yolo, Sutter, Sacramento, and
11 Placer counties. The transportation system is composed of State, city, and county
12 roads. Table 4.13-1 summarizes the characteristics of the roadways in the vicinity of
13 the Project area. Figure 4.13-1 shows the roadways in the Project area.

14 As described in Section 1.0, Introduction, one of the Project objectives is to locate
15 the pipeline to minimize the risk of damage to the pipeline from outside sources. In
16 keeping with that objective, the pipeline is not located within the roadways right-of-
17 way (ROW). Instead the pipeline would parallel roadways at a location outside of
18 the ROW, and in many areas would extend across agricultural fields. Only in areas
19 where the pipeline crosses a roadway (transverse crossing) would the roadway and
20 roadway traffic be directly affected by construction.

21 For major freeways and state highways and the Western Pacific Railroad Line, the
22 pipeline would be installed using horizontal directional drilling (HDD) in order to
23 cross beneath the freeways/highways and railroad line with no effect on traffic.

24 Table 4.13-2 shows traffic counts for various roadways in the Project area. The
25 pipeline alignment is primarily traversed and paralleled by county roads that are not
26 heavily traveled. County Road (CR) 16 and CR-17 are representative of traffic
27 volumes on county roads in the Project vicinity.

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Table 4.13-1: Summary of Study Area Roadway Characteristics

Roadway	Jurisdiction	Classification	Lanes	Traffic Volumes		Location of Pipeline in Relation to Roadway
				Average Daily	Peak Hour	
State Facilities (Line 406)						
Interstate 5	Caltrans	Freeway	4	29,000	2,850	HDD under freeway
Interstate 505	Caltrans	Freeway	4	10,900 to 11,600	1,450 to 1,800	HDD under freeway
Other Roadways (Line 406)						
County Road 16-A	Yolo County	Rural local	2	N/A	N/A	Parallels road outside ROW
County Road 17	Yolo County	Rural local	2	N/A	N/A	Parallels road outside ROW
County Road 85	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 87	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 88A	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 90A	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 96	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 97	Yolo County	Rural local	2	N/A	N/A	Crosses road
State Facilities (Line 407)						
State Route 70/99 (El Centro Boulevard)	Yolo County	Arterial / Freeway	2 to 4	15,800	1,650	HDD under roadway

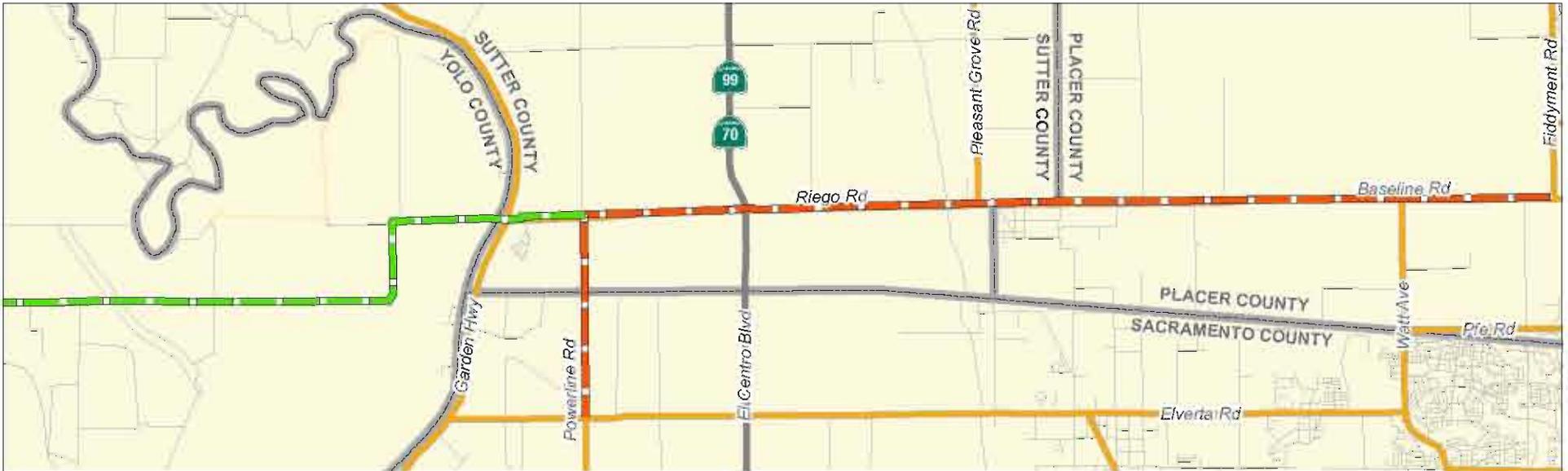
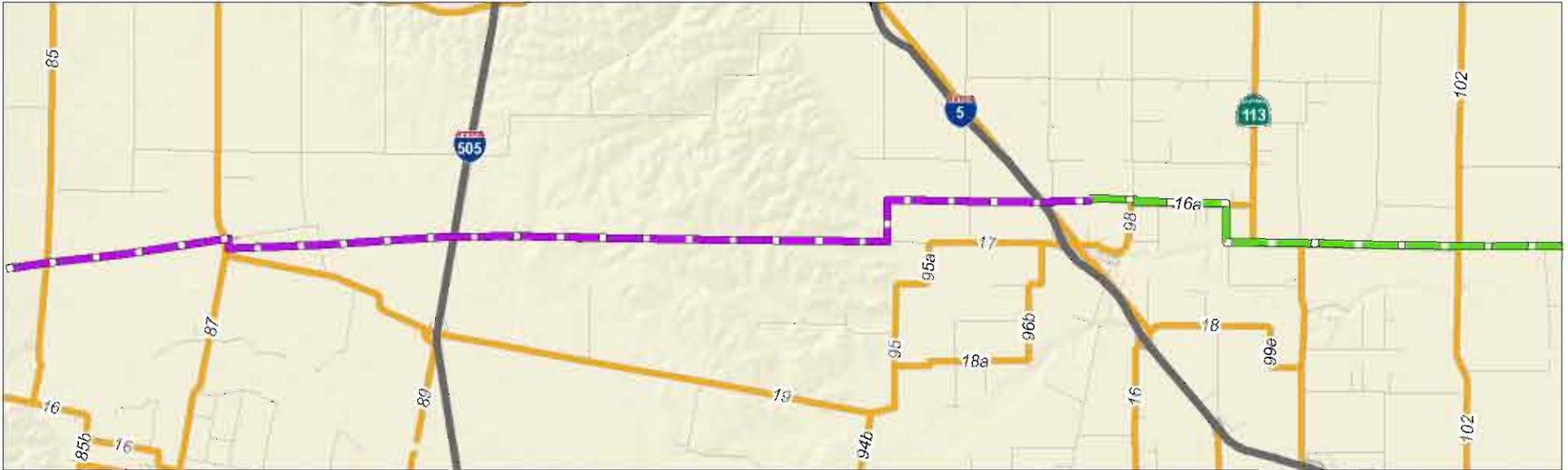
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Roadway	Jurisdiction	Classification	Lanes	Traffic Volumes		Location of Pipeline in Relation to Roadway
				Average Daily	Peak Hour	
State Route 113	Caltrans	Arterial / Freeway	2	3,150	290	Under roadway
Other Roadways (Line 407)						
County Road 16A	Yolo County	Rural local	2	N/A	N/A	Parallels road outside ROW
County Road 17	Yolo County	Rural local	2	N/A	N/A	Crosses, then parallels road outside ROW
County Road 98	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 99B	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 100	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 101	Yolo County	Rural local	2	N/A	N/A	Crosses road
County Road 102	Yolo County	Rural local	2	N/A	N/A	Crosses road
Pacific Avenue	Sutter County	Rural local	2	N/A	N/A	Crosses road
Garden Highway	Sutter County	Arterial	2	N/A	N/A	HDD under roadway
Powerline Road	Sutter County	Collector	2	N/A	N/A	Crosses road
Riego Road / Baseline Road	Sutter / Placer counties	Collector	2	N/A	N/A	Parallels road outside ROW
East Levee Road / Western Pacific Railroad	Placer County	Collector	2	N/A	N/A	HDD under roadway
Locust Road	Placer County	Collector	2	N/A	N/A	Crosses road
Pleasant Grove Road	Placer County	Collector	2	N/A	N/A	Crosses road

Roadway	Jurisdiction	Classification	Lanes	Traffic Volumes		Location of Pipeline in Relation to Roadway
				Average Daily	Peak Hour	
Distribution Feeder Main (DFM)						
Powerline Road	Sutter / Sacramento Counties	Collector	2	N/A	N/A	Parallels road outside ROW
West Elverta Road	Sacramento County	Collector	2	N/A	N/A	Crosses road
Source: PG&E Line 406 and Line 407 Pipeline Project Supplemental CSLC Filing. October 2007.						

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Source: ESRI Street Map USA and PG&E 2008.



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Legend

- Line 406
- Line 407 West
- Line 407 East and Powerline Rd DFM

Figure 4.13-1
Project Roadways

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Table 4.13-2: Existing Traffic Volumes

Roadway	County	Description	Average Daily Traffic
Interstate 5	Sacramento	Sacramento, Junction Route 99 North	81,000
Interstate 5	Yolo	Yolo Interchange, County Road 17	25,000
State Route 113	Yolo	Junction Route 5	6,800
Interstate 505	Yolo	Junction Route 16	12,600
Interstate 505	Yolo	County Road 19 Interchange	11,800
State Route 70/99 (El Centro Boulevard)	Sacramento	Elverta Road	39,500
State Route 70/99 (El Centro Boulevard)	Sutter	Riego Road	34,000
Powerline Road	Sacramento	North of Elkhorn Boulevard	519
Elverta Road	Sacramento	East of El Centro Road	6,042
County Road 16AB ¹	Yolo	Between State Route 113 and County Road 98	361
County Road 17AB	Yolo	Between State Route 113 and County Road 99A	110
County Road 17E	Yolo	Between County Road 101 and County Road 102	978
County Road 102F	Yolo	North of County Road 18C	6,823
Baseline Road	Placer	East of Walerga Road	15,500
Baseline Road	Placer	Locust Road	9,600
Notes: Yolo County Road Traffic Counts are from 2002 2003, and 2004. All other counts are from 2006. Source: Caltrans 2008, Sacramento County 2008, Yolo County 2008, Placer County 2008.			

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3 Freeways and State Highways

4 California Department of Transportation (Caltrans) maintains the facilities described
5 in this subsection. At these locations, the pipeline would be installed using
6 horizontal directional drilling (HDD) in order to cross beneath the freeways and state
7 highways, as well as the Western Pacific Railroad line.

1 *Line 406*

2 Interstate 5

3 Interstate (I) 5 is a freeway that extends from San Diego, California at the Mexican
4 border to Blaine, Washington at the Canadian border and passes through major
5 cities along the west coast of the United States, including Los Angeles, Sacramento,
6 Portland, and Seattle. Caltrans District 3 in Sacramento County maintains I-5 near
7 the Project area. The freeway runs perpendicular (north-south) to the Line 406
8 alignment. I-5 is four lanes in width near the Project area. The pipeline would cross
9 under the freeway near CR-17. In the Project area I-5 operates at a level of service
10 (LOS) A.

11 Interstate 505

12 I-505 is a freeway that connects I-80 in Vacaville with I-5 near Dunnigan. I-505
13 provides southbound travelers on I-5 a fast connection to the San Francisco Bay
14 Area. Similarly, drivers heading northeast out of the Bay Area may also use this
15 highway to go to the Pacific Northwest via I-5. Caltrans District 3 in Sacramento
16 County maintains I-505 near the Project area. The freeway runs perpendicular
17 (north-south) to the Line 406 alignment. I-505 is four lanes in width near the Project
18 area. The pipeline would cross under the freeway near CR-17. In the Project area I-
19 505 operates at an LOS A.

20 *Line 407*

21 State Route 99

22 State Route (SR) 99 is a north-south highway that traverses California's Central
23 Valley from the north near Red Bluff (at SR-36) to the south near Bakersfield (at I-5).
24 SR-99 near the Project area is maintained by the Caltrans District 3 in Sacramento
25 County, and is identified as SR-70 (El Centro Boulevard). SR-99 runs perpendicular
26 (north-south) to the Line 407 alignment. SR-99 is four lanes in width near the
27 Project area. The pipeline would be cross under the freeway near CR-17. In the
28 Project area SR-99/70 operates at an LOS A.

29 State Route 113

30 SR-113 runs from Yuba City to approximately 10 miles from Rio Vista (at SR-12). It
31 is an important connecting route between I-80 and I-5. SR-113 near the Project
32 area is maintained by the Caltrans District 3 in Sacramento County. SR-113 runs
33 perpendicular (north-south) to the Line 407 alignment. SR-113 is two lanes in width

1 near the Project area. The Project would cross under SR-113 near CR-17. In the
2 Project area SR-113 operates at an LOS D.

3 **Other Roadways**

4 The following roadways that would be affected by the Project, organized by Line
5 406, Line 407, and the DFM are described below and are maintained by Yolo,
6 Sutter, Sacramento, and Placer counties. As described above, for the most part, in
7 keeping with Project objectives, the pipeline does not run within roadway ROW but
8 instead parallels the roadways outside the ROW. Only in areas where the pipeline
9 alignment crosses a roadway (transverse crossing) would the roadway and roadway
10 traffic be directly affected by construction.

11 The other roadways that are crossed by the Project would involve a combination of
12 conventional trenching, and conventional boring techniques such as jack-and-boring.
13 Table 2-5 in Section 2.0, Project Description, provides the approximate crossing
14 width and type of crossing.

15 *Line 406*

16 County Road 17

17 The pipeline would run parallel to CR-17 through the Dunnigan Hills from I-505 to
18 approximately 2.0 miles west of I-5. CR-17 in the vicinity of the Project is under Yolo
19 County's jurisdiction and is an east-west rural connector. The land uses adjacent to
20 CR-17 are agricultural. This section of CR-17 is a two-lane roadway, with low
21 average daily traffic (ADT) volumes in the Project area.

22 County Road 85

23 The pipeline would cross CR-85 approximately 4,500 feet south of CR-16. CR-85 in
24 the vicinity of the Project is under Yolo County's jurisdiction and is a north-south
25 rural connector. The land uses adjacent to CR-85 are agricultural. This section of
26 CR-85 is a two-lane roadway, with low ADT volumes.

27 County Road 87

28 The pipeline would cross CR-87 just north of the intersection with CR-19. CR-87 in
29 the vicinity of the Project is under Yolo County's jurisdiction and is a north-south
30 rural connector. The land uses adjacent to CR-87 are agricultural. This section of
31 CR-87 is a two-lane roadway, with low ADT volumes.

1 County Road 88A

2 The pipeline would cross CR-88A approximately 1,350 feet south of CR-17. CR-88A
3 in the vicinity of the Project is under Yolo County's jurisdiction and is a north-south
4 rural connector. The land uses adjacent to CR-88A are mainly agricultural. This
5 section of CR-88A is a two-lane roadway, with low ADT volumes.

6 County Road 96

7 The pipeline would extend beneath CR-96 and an irrigation canal for approximately
8 150 feet and continue east to a location approximately 3,000 feet east of CR-96.
9 CR-96 is a two-lane roadway, with low ADT volumes.

10 County Road 97

11 The pipeline HDD beneath I-5 and CR-99W would end approximately 200 feet west
12 of CR-97. The pipeline would extend along CR-16A and across CR-97, a two-lane
13 road, with low average daily traffic (ADT) volumes.

14 *Line 407*

15 County Road 98

16 The pipeline would cross CR-98, adjacent to and north of CR-16A. CR-98 in the
17 vicinity of the Project is under Yolo County's jurisdiction and is a north-south rural
18 connector. The land uses adjacent to CR-98 are agricultural. This section of CR-98
19 is a two-lane roadway, with low ADT volumes.

20 County Road 16A

21 The pipeline would run parallel to CR-16A from CR-98 to 99B. CR-16A in the
22 vicinity of the Project is under Yolo County's jurisdiction and is an east-west rural
23 connector. The land uses adjacent to CR-16A are agricultural. This section of CR-
24 16A is a two-lane roadway, with low ADT volumes.

25 County Road 99B

26 The pipeline would run parallel to CR-99B from CR-16A to CR-17. CR-99B in the
27 vicinity of the Project is under Yolo County's jurisdiction and is a north-south rural
28 connector. The land uses adjacent to CR-99B are agricultural. This section of CR-
29 99B is a two-lane roadway, with low ADT volumes.

1 County Road 17

2 The pipeline would cross, and then would run parallel, to CR-17 from CR-99B to the
3 Yolo Bypass. CR-17 in the vicinity of the Project is under Yolo County's jurisdiction
4 and is an east-west rural connector. The land uses adjacent to CR-17 are
5 agricultural. This section of CR-17 is a two-lane roadway, with low ADT volumes.

6 County Road 100

7 The pipeline would cross CR-100, adjacent to and north of CR-17. CR-100 in the
8 vicinity of the Project is under Yolo County's jurisdiction and is a north-south rural
9 connector. The land uses adjacent to CR-100 are agricultural. This section of CR-
10 100 is a two-lane roadway, with low ADT volumes.

11 County Road 101

12 The pipeline would cross CR-101, adjacent to and north of CR-17. CR-101 in the
13 vicinity of the Project is under Yolo County's jurisdiction and is a north-south rural
14 connector. The land uses adjacent to CR-101 are agricultural. This section of CR-
15 101 is a two-lane roadway, with low ADT volumes.

16 County Road 102

17 The pipeline would cross CR-102, adjacent to and north of CR-17. CR-102 in the
18 vicinity of the Project is under Yolo County's jurisdiction and is a north-south rural
19 connector. The land uses adjacent to CR-102 are agricultural. This section of CR-
20 102 is a two-lane roadway, with low ADT volumes.

21 Garden Highway

22 The pipeline cross beneath Garden Highway at the intersection of Riego Road.
23 Garden Highway in the vicinity of the Project is under Sutter County's jurisdiction
24 and is a north-south major arterial. The land uses adjacent to Garden Highway are
25 agricultural, with some residential. In the vicinity of the Project, Garden Highway is a
26 two-lane arterial, with low ADT volumes.

27 Riego Road/Baseline Road

28 The pipeline would run parallel to Riego Road from the Garden Highway to
29 Fiddymment Road. Riego Road in the vicinity of the Project is under the jurisdiction of
30 Sutter and Placer counties. Riego Road is an east-west rural connector. Riego
31 Road is known as Baseline Road when it stretches into Placer County. The land
32 uses adjacent to Riego Road are mainly agricultural (rice fields). East of SR-70/99

1 (El Centro Boulevard), Riego Road serves as a connector for several residential
2 pockets in the eastern edges of Sutter County and the western edges of Placer
3 County. In the vicinity of the Project, Riego Road is a two-lane collector, with an
4 ADT of approximately 12,600 vehicles.

5 East Levee Road/Western Pacific Railroad

6 East Levee Road and the Western Pacific Railroad line would be crossed at the
7 intersection with Riego Road. The south segment of East Levee Road from Riego
8 Road is known as Natomas Road. East Levee Road in the vicinity of the Project is
9 under Sutter County's jurisdiction and is a north-south roadway. The land uses
10 adjacent to East Levee Road are agricultural. In the vicinity of the Project, East
11 Levee Road/Natomas Road is a two-lane collector, with low ADT volumes.

12 Pleasant Grove Road

13 Pleasant Grove Road would be crossed at the intersection with Baseline Road.
14 Pleasant Grove Road in the vicinity of the Project is under Sutter County's
15 jurisdiction and is a north-south roadway. The land uses adjacent to Pleasant Grove
16 Road are agricultural with some residential. In the vicinity of the Project, Pleasant
17 Grove Road is a two-lane collector, with an ADT of approximately 1,600 vehicles.

18 Locust Road

19 The pipeline would cross Locust Road at the intersection with Baseline Road.
20 Locust Road in the vicinity of the Project is under Sutter County's jurisdiction and is
21 a north-south roadway. The land uses adjacent to Locust Road are agricultural, with
22 some residential. In the vicinity of the Project, Locust Road is a two-lane collector,
23 with low ADT volumes.

24 Watt Avenue

25 Watt Avenue extends south off of Baseline Road. Watt Avenue in the vicinity of the
26 Project is under Placer County jurisdiction and is a north-south roadway. The land
27 uses adjacent to Watt Avenue are agricultural and open space. In the vicinity of the
28 Project, Watt Avenue is a two-lane collector with low ADT volumes.

29 Walerga Road

30 Walerga Road connects to Fiddymont Road at Baseline Road and travels south from
31 Baseline Road. Walerga Road in the vicinity of the Project is under City of Roseville
32 jurisdiction and is a north-south roadway. The land uses adjacent to Walerga Road

1 are primarily residential with some open space. In the vicinity of the Project,
2 Fiddymment Road is a four-lane arterial road.

3 Fiddymment Road

4 The pipeline would end at Fiddymment Road within the City of Roseville's Sphere of
5 Influence. Fiddymment Road in the vicinity of the Project is under City of Roseville
6 jurisdiction and is a north-south roadway. The land uses adjacent to Fiddymment
7 Road are residential to the east, and open space and agricultural to the west. In the
8 vicinity of the Project, Fiddymment Road is two-lane collector.

9 *Powerline Road Distribution Feeder Main*

10 Powerline Road

11 The pipeline would cross Powerline Road at the intersection of Riego Road, and the
12 DFM would run parallel to Powerline Road from Riego Road south to Elverta Road.
13 The south segment of Powerline Road is under the jurisdiction of Sacramento
14 County and the north segment is under Sutter County's jurisdiction. The land uses
15 adjacent to Powerline Road are agricultural. In the vicinity of the Project, Powerline
16 Road is a two-lane collector, with low ADT volumes.

17 West Elverta Road

18 The DFM would cross West Elverta Road and end at the Powerline Road Pressure
19 Regulating Station. West Elverta Road in the vicinity of the Project is under
20 Sacramento County's jurisdiction and is an east-west roadway. The land uses
21 adjacent to West Elverta Road are agricultural with some residential. In the vicinity
22 of the Project, West Elverta Road is a two-lane collector, with low ADT volumes.

23 **4.13.2 Regulatory Setting**

24 **Federal**

25 There are no Federal regulations pertaining to traffic or transportation in the Project
26 area.

1 **State**

2 *California Vehicle Code*

3 Chapter 2, Article 3 of the California Vehicle Code defines the powers and duties of
4 the California Highway Patrol, which has enforcement responsibilities for the
5 operation of vehicles and highway use within the state.

6 *California Department of Transportation (Caltrans)*

7 Caltrans is responsible for the design, construction, maintenance, and operation of
8 the California State Highway System, as well as portions of the Interstate Highway
9 System within the State's boundaries.

10 **Local**

11 Because the California Public Utilities Commission has exclusive jurisdiction over
12 the design, location, construction, and operation of gas transmission facilities owned
13 and operated by investor-owned public utilities, PG&E is not subject to local
14 ordinances and regulations. Nonetheless, as part of its environmental review under
15 the California Environmental Quality Act (CEQA), the following local regulations and
16 policies were considered in the assessment of traffic and transportation impacts.

17 *Yolo County General Plan*

18 The following policies relating to transportation from the Yolo County General Plan
19 were considered in this analysis:

20 **CIR 7:** Yolo County shall require a service level of C for all county roads.

21 **CIR 17:** Residential Truck Routes: Yolo County shall discourage truck traffic
22 on residential streets and shall apply traffic controls, speed limits, and load
23 limits on residential street truck routes where assignment to truck traffic is
24 unavoidable.

25 *Sutter County General Plan*

26 The following policies relating to transportation from the Sutter County General Plan
27 were considered in this analysis:

28 **2b:** Sutter County has identified Level of Service (LOS) D as the minimum
29 acceptable standard. There are no roadways within Sutter County that are

1 operating beyond capacity. Numerous segments of State Route 99 have
2 been identified as operating at or near capacity.

3 *Sacramento County General Plan*

4 The following policies relating to transportation from the Circulation Element of the
5 Sacramento County General Plan were considered in this analysis:

6 **CI-22:** Sacramento County shall apply the following LOS standards for
7 planning roads in the unincorporated area:

- 8 - Rural collectors: LOS D
- 9 - Urban area roads: LOS E

10

11 and may proceed with additional capacity projects within the scope of the
12 adopted Transportation Plan when the Board of Supervisors has determined
13 that the implementation of all feasible measures which would reduce travel
14 demand in the affected corridor would not provide the target level of service.

15 *Placer County General Plan*

16 The following policies relating to transportation from the Placer County General Plan
17 were considered in this analysis:

18 **3-A5:** Through-traffic shall be accommodated in a manner that discourages
19 the use of neighborhood roadways, particularly local streets. This through
20 traffic, including through truck traffic, shall be directed to appropriate routes in
21 order to maintain public safety and local quality of life.

22 **3-A7:** The County shall develop and manage its roadway system to maintain
23 the following LOS:

- 24 - LOS C on rural roadways, except within 0.5 mile of State highways where
25 the standards shall be LOS D.
- 26 - LOS C on urban/suburban roadways, except within 0.5 mile of State
27 highways where the standards shall be LOS D.

28

29 The County may allow exceptions to these levels of service standards where it finds
30 that the improvements or other measures required to achieve the LOS standards are

1 unacceptable based on established criteria. In allowing any exception to the
2 standards, the County shall consider the following factors:

- 3 • The number of hours per day that the intersection or roadway segment would
4 operate at conditions worse than the standard;
- 5 • The ability of the required improvement to significantly reduce peak hour delay
6 and improve traffic operations;
- 7 • The ROW needs and the physical impacts on surrounding properties;
- 8 • The visual aesthetics of the required improvement and its impact on community
9 identity and character;
- 10 • Environmental impacts, including air quality and noise impacts;
- 11 • Construction and ROW acquisition costs;
- 12 • The impacts on general safety;
- 13 • The impacts of the required construction phasing and traffic maintenance;
- 14 • The impacts on quality of life as perceived by the residents; and
- 15 • Consideration of other environmental, social, or economic factors on which the
16 County may base findings to allow an exceedance of the standards.

17 Exceptions to the standards would only be allowed after all feasible measures and
18 options are explored, including alternative forms of transportation.

19 **4.13.3 Significance Criteria**

20 A traffic or transportation impact from Project construction or operation is considered
21 significant and would require mitigation if:

- 22 1. Project related traffic or other activities must use an access road that is
23 already at or below Level of Service (LOS) E, or is such that it would bring a
24 roadway down to LOS E. (E level traffic flow is 75 percent to 100 percent of
25 capacity);
- 26 2. Project related traffic or other activities would result in a substantial safety
27 hazard to motorists, bicyclists, or pedestrians;

- 1 3. Project related traffic or other activities would restrict one or more travel lanes
2 of a primary or secondary arterial during peak-hour traffic with no suitable
3 detour available, thereby reducing the roadway's capacity and creating
4 congestion. An increase in vehicle trips associated with construction workers
5 or equipment would result in a substantial disruption to traffic flow and/or a
6 substantial increase in traffic congestion on the roadways in the Project
7 vicinity;
- 8 4. Project implementation could or does result in insufficient parking;
- 9 5. The installation of a transmission line within, adjacent to, or across a roadway
10 would reduce the number of, or the available width of, one or more lanes
11 during the peak traffic periods, resulting in a substantial disruption to traffic
12 flow and/or a substantial increase in traffic congestion;
- 13 6. Construction activities would restrict access to or from adjacent land uses and
14 there would be no suitable alternative access;
- 15 7. A major roadway (arterial or collector classification) would be closed to
16 through traffic as a result of construction activities and there would be no
17 suitable alternative route available;
- 18 8. Construction activities or the operation of the Project would interfere with or
19 extend into navigable airspace and could potentially have an impact on
20 aviation activities within the restricted area of a designated airport or helipad;
- 21 9. Construction activities or the operation of the Project would result in safety
22 problems for vehicular traffic, pedestrians, transit operations, or trains;
- 23 10. Construction activities of the Project would restrict the movement of
24 emergency vehicles, and there would be no reasonable alternative access
25 routes available;
- 26 11. Construction activities or staging activities would increase the demand for
27 and/or reduce the supply of parking spaces, and there would be no provisions
28 for accommodating the resulting parking deficiencies;
- 29 12. Construction activities would disrupt bus or rail service and there would be no
30 suitable alternatives routes or stops;

1 13. Construction activities within, adjacent to, or across from a railroad right-of-
2 way would result in temporary disruption of rail traffic; or

3 14. Construction activities would impede pedestrian movements or bike trails in
4 the construction area and there would be no suitable alternative
5 pedestrian/bicycle access routes.

6 **4.13.4 Applicant Proposed Measures**

7 Applicant Proposed Measures (APMs) have been identified by PG&E in its
8 Environmental Analysis prepared for the CSLC. APMs that are relevant to this
9 Section are presented below. This impact analysis assumes that all APMs would be
10 implemented as defined below. Additional mitigation measures are recommended in
11 this Section if it is determined that APMs do not fully mitigate the impacts for which
12 they are presented.

13 **APM TRANS-1.** PG&E will maintain the maximum possible amount of travel-lane
14 capacity on roads during non-construction periods and will provide
15 traffic control (flagging) at all construction sites across roadways.

16 **APM TRANS-2.** During construction, PG&E will limit the work zone to a width that,
17 at a minimum, will maintain alternate one-way traffic flow past the
18 construction zone. Alternatively, PG&E will post detour signs on
19 alternate access streets, where available, in the event that
20 complete temporary street closures are required. Detour plans
21 would be submitted to the counties or cities and Caltrans as part of
22 the permit requirements.

23 **APM TRANS-3.** Required permits for temporary lane closures will be obtained from
24 Yolo County, Sutter County, Sacramento County, Placer County,
25 and Caltrans. Before obtaining roadway encroachment permits
26 from the counties, PG&E will submit a Transportation Management
27 Plan (TMP), subject to the local jurisdiction's review and approval.
28 As part of the TMP, traffic control measures and construction
29 vehicle access routes will be identified. The TMP will also include
30 discussion of haul routes, limits on the length of open cuts, and
31 resurfacing requirements. The TMP will address work zone hours.
32 Construction of the pipeline will occur for 10 hours a day, 6 days a
33 week, unless otherwise permitted by the local jurisdiction. Property
34 owners and residents on streets where construction will occur will

1 be notified prior to the start of construction. Advance public
2 notification will include postings of notices and appropriate signs.

3 **APM TRANS-4.** PG&E will coordinate all construction activities with local law
4 enforcement and fire protection agencies. Emergency service
5 providers will be notified of the timing, location, and duration of
6 construction activities.

7 **APM TRANS-5.** PG&E will consult with the Placer County Unified School District at
8 least one month prior to construction to coordinate construction
9 activities adjacent to school bus stops. If necessary, school bus
10 stops will be temporarily relocated or buses will be rerouted until
11 construction in the vicinity is complete. PG&E will also consult with
12 Yuba-Sutter Transit at least one month prior to construction to
13 reduce potential interruption of transit services.

14 **APM TRANS-6.** As part of a TMP for the Project, PG&E will identify all access
15 restrictions expected to occur during construction. PG&E will
16 develop a plan for notifying the affected businesses, homes, and
17 other facilities, and prepare a plan to ensure adequate access at all
18 times. This plan may involve alternate access, detours, or other
19 temporary mitigations.

20 **APM TRANS-7.** As part of the TMP, PG&E will develop for residential areas a
21 notification process for temporary parking impacts and appropriate
22 sign postings. PG&E will minimize the length of any temporary
23 parking restrictions, develop appropriate sign postings, and specify
24 the process for communicating with affected residents.

25 **APM TRANS-8.** Where construction will result in temporary closures of sidewalks
26 and other pedestrian facilities, PG&E will provide temporary
27 pedestrian access, through detours or safe areas along the
28 construction zone. Any affected pedestrian facilities and the
29 alternative facilities or detours that will be provided will be identified
30 in the TMP. Where construction activity will result in bike lane
31 closures, appropriate detours and signs will be provided. Where
32 trenching will affect bicycle travel on streets without bicycle
33 facilities, requirements for plates to cover trenches will be in
34 accordance with the permit requirements of the local jurisdiction.

1 **4.13.5 Impact Analysis and Mitigation**

2 **Impact Discussion**

3 Line 406, Line 407, and the DFM include installation of an underground natural gas
4 transmission line with several crossings of local roads, freeways/highways, and a
5 railroad line.

6 Using horizontal directional drilling (HDD) beneath freeways/highways (I-505, I-5,
7 SR-99, Garden Highway, and the Western Pacific Railroad to passing completely
8 under the roadways and railroad line would have no impact on traffic.

9 The other roadways impacted by construction of the proposed Project include: CR-
10 16A, CR-17, CR-85, CR-87, CR-88A, CR-90A, CR-96, CR-97, CR-98, CR-99B, CR-
11 100, CR-101, CR-102, SR-113, Powerline Road, Riego Road/Baseline Road, West
12 Elverta Road, Locust Road, Pleasant Grove Road, and Pacific Avenue.

13 The installation of the underground natural gas transmission line beneath the other
14 roadways using trenching and conventional boring techniques such as jack-and-
15 boring would cause temporary impacts to Project area roadways. The discussions
16 below outline the potential impacts for underground pipeline installation on
17 roadways.

18 *Effect on LOS on Project Access Roads*

19 Project related traffic or other activities would not use any access roads where level
20 of service (LOS) is E, or result in a reduction of LOS to E. Project construction
21 would temporarily add on the average 80 vehicle trips per day. These trips would
22 include all construction-related commuting and hauling of equipment; construction
23 supplies, and fill to the Project area. The average of 80 vehicle trips per day would
24 occur over a variety of roadways, some of which would parallel the proposed
25 alignment. Therefore, trip distribution would not be concentrated on one or two
26 roadways. As a result, Project construction would not affect traffic or circulation on
27 Project roadways, such that LOS would be reduced to E. Operation of the
28 aboveground facilities would not impact LOS because the facilities would be
29 unmanned facilities. While there would be occasional operation and maintenance
30 activities, the Project would not increase the number of trips on roadways on a
31 regular basis, and would not result in a reduction of LOS to E. Impacts would be
32 less than significant (Class III).

1 *Safety Hazards*

2 Project related traffic or other activities would not result in a safety hazard to
3 motorists, bicyclists, or pedestrians. By their nature, construction activities have the
4 potential to cause safety problems for motorists, bicyclists, or pedestrians. For
5 underground installation, there would be open trenches temporarily in travel paths in
6 a few locations, presenting hazards for vehicles and pedestrians. However, PG&E
7 would follow its standard safety practices, including installing appropriate barriers
8 between work zones and transportation facilities, posting adequate signs, and using
9 proper construction techniques. PG&E is a member of the California Joint Utility
10 Traffic Control Committee, which in 1996 published the Work Area Protection and
11 Traffic Control Manual. The traffic control plans and associated text in this manual
12 conform to the guidelines established by the Federal Department of Transportation
13 and Caltrans. PG&E would follow the recommendations in this manual regarding
14 basic standards for the safe movement of traffic on highways and streets in
15 accordance with section 21400 of the California Vehicle Code. With these practices
16 (e.g., work zone barriers and signing) and the implementation of APMs TRANS-1
17 through TRANS-8, safety impacts would be less than significant (Class III).

18 *Project Related Traffic Restricts Travel Lanes*

19 Project related traffic or other activities could restrict one or more travel lanes of a
20 primary or secondary arterial during peak-hour traffic, thereby reducing the
21 roadway's capacity and creating congestion. Most of the affected roadways are
22 rural connectors with minor traffic volumes. Riego Road and Powerline Road are
23 likely access roads for construction work at the HDD crossings at the Garden
24 Highway and SR-99. Lane closures and road-crossing disruptions would last only
25 one or two days per location. The underground crossings at I-5, I-505, and East
26 Levee Road/Western Pacific Railroad would be achieved by HDD with no
27 anticipated disruption of traffic. To avoid creating congestion, PG&E would follow
28 the traffic diversion plans as prescribed by the encroachment permits that would be
29 obtained from Yolo County, Sutter County, Sacramento County, Placer County, and
30 Caltrans. With these practices and the implementation of APMs TRANS-1 through
31 TRANS-4, this impact would be less than significant (Class III).

32 *Insufficient Parking*

33 At roadway crossings, the construction zone would only cover a small area, so a
34 minimal number of parking spaces would be affected. In addition, the pipeline would
35 be primarily located on agricultural land, where there are no existing identified

1 parking areas that would be impacted in the rural portions of the Project area. The
2 primary staging areas for vehicles, equipment, materials, and other supplies required
3 for the construction of the pipeline and aboveground facilities would be within the
4 Project temporary construction easement area and in existing industrial and
5 commercial yards where accessible. Staging areas would be approximately 300 feet
6 by 200 feet. In addition, implementation of APM TRANS-8 would ensure any
7 impacts to parking would be less than significant (Class III).

8 *Installation of Transmission Line Restricts Travel Lanes*

9 Installing transmission lines would not restrict travel lanes for more than 48 hours for
10 a particular segment. Since work crews would only work on a particular segment of
11 the pipeline for two days, any lane restrictions would be temporary. The
12 underground crossings at I-5, I-505, Garden Highway, SR-99, and East Levee
13 Road/Western Pacific Railroad would be achieved by HDD with no anticipated
14 disruption of traffic. Short-term, temporary lane restrictions may be unavoidable
15 during construction for some segments of the proposed pipeline alignment that
16 parallel roads in the Project area. To avoid creating congestion, PG&E would follow
17 the traffic diversion plans as prescribed by the encroachment permits that would be
18 obtained from Yolo County, Sutter County, Sacramento County, Placer County, and
19 Caltrans. With these practices and the implementation of APMs TRANS-1 through
20 TRANS-4, this impact would be less than significant (Class III).

21 *Restrict Access to or from Adjacent Land Uses*

22 Construction activities could restrict access to or from adjacent land uses. However,
23 private driveways would not be used for staging areas. The primary staging areas
24 for vehicles, equipment, materials, and other supplies required for the construction of
25 the pipeline and aboveground facilities would be within the Project temporary
26 construction easement area and in existing industrial and commercial yards where
27 accessible. Staging areas would be approximately 300 feet by 200 feet. Impacts to
28 adjacent land uses would be less than significant (Class III). In addition,
29 implementation of APM TRANS-5 through TRANS-8 would ensure impacts to
30 adjacent land uses would be less than significant (Class III).

31 *Major Roadway Closed*

32 The Project would not result in the complete closure of any roadways. For some
33 activities lanes of travel may be restricted to one lane only for up to 48 hours. For all

1 affected roads in the Project area, implementation of APM TRANS-1 through APM
2 TRANS-4 would ensure impacts would be less than significant (Class III).

3 *Interfere with Navigable Airspace*

4 There would not be any interference with navigable airspace since the proposed
5 Project does not cross lands covered by an airport land use plan. The nearest
6 airport to the proposed Project is Sacramento International Airport, approximately
7 1.5 miles south of the Powerline Road DFM. There are no airports within one mile of
8 proposed alignment, nor are any of lands crossed by the proposed alignment
9 covered by an airport land use plan. Therefore, impacts would be less than
10 significant (Class III).

11 *Restrict Movement of Emergency Vehicles*

12 Routes for emergency vehicles would be maintained throughout Project
13 construction, since at least one travel lane would be kept open during pipeline road-
14 crossing procedures. PG&E would coordinate any lane closures with emergency
15 service providers as directed by the Transportation Management Plan (TMP) to be
16 prepared by PG&E for the Project. Underground construction activities may
17 occasionally cause minor delays for emergency vehicles on roadways in the Project
18 area. However, most construction would occur along county roads with relatively
19 low levels of traffic. APM TRANS-3 and TRANS-4 would be implemented, requiring
20 PG&E to prepare a TMP and to notify emergency service providers of the timing,
21 location, and duration of construction activities. Therefore, impacts would be less
22 than significant (Class III).

23 *Increase Demand for or Reduce Supply of Parking Spaces*

24 The Project would not increase demand for parking spaces. As stated above under
25 Insufficient Parking, at roadway crossings the construction zone would only cover a
26 small area, so a minimal number of parking spaces would be potentially affected. In
27 addition, the pipeline would be primarily located on agricultural land, so there are no
28 identified parking areas that would be impacted in the rural portions of the Project
29 area. Impacts to parking would be less than significant (Class III).

30 *Disrupt Bus or Rail Service*

31 Bus service for Placer County Unified School District may be temporarily disrupted.
32 There are no public transportation rail lines crossed by the proposed alignment.
33 Staging areas would not be located at public transit bus stops. However, bus routes

1 for the Placer County Unified School District may be affected. As stated in APM
2 TRANS-5, PG&E would consult with the Placer County Unified School District at
3 least one month prior to construction to coordinate construction activities adjacent to
4 school bus stops. If necessary, school bus stops would be temporarily relocated or
5 buses would be rerouted until construction in the vicinity is complete. With
6 implementation of APM, TRANS-5, impacts would be less than significant (Class III).

7 *Temporary Disruption of Railroad Traffic*

8 The Western Pacific Railroad line is located within the Project area and will be
9 crossed using horizontal directional drilling (HDD) technique, with no anticipated
10 disruption of railroad traffic. As a result, impacts to rail traffic would be less than
11 significant (Class III).

12 *Impede Pedestrian Movements or Bike Trails*

13 Pedestrian and bicyclist use of roads in the Project area would be temporarily
14 restricted. Construction activities along roadways with sidewalks and bicycle lanes
15 may result in temporary closures of those facilities. Trenching and plating activities
16 at roadway crossings may make travel temporarily more hazardous for pedestrians
17 and those on bicycles. Implementation of APM TRANS-1 through TRANS-8 would
18 reduce these impacts to a less than significant level (Class III).

19 **4.13.6 Impacts of Alternatives**

20 A No Project Alternative as well as twelve options have been proposed for the
21 alignment in order to minimize or eliminate environmental impacts of the proposed
22 Project and to respond to comments from nearby landowners. The twelve options,
23 labeled A through L, have been analyzed in comparison to the portion of the
24 proposed route that has been avoided as a result of the option. Descriptions of the
25 options can be found in Section 3.0, Alternatives and Cumulative Projects, and are
26 depicted in Figure 3-2A through Figure 3-2K.

27 **No Project Alternative**

28 Under the No Project Alternative Lines 406 and 407 and the DFM would not be
29 constructed. As a result, there would not be any impacts to transportation and
30 traffic.

1 Option A

2 Option A alternative would shift potential construction traffic impacts to a location
3 north of the proposed pipeline. Option A would increase transportation and traffic
4 impacts by increasing the length of the pipeline along roadways, as well as the
5 number of roadway crossings. The proposed pipeline would cross seven roadways,
6 while Option A would cross nine roadways. These impacts would be reduced to less
7 than significant with the implementation of APM TRANS-1 through APM TRANS-8.
8 Operation of Option A would be the same as the proposed Project and would not
9 result in additional impacts related to traffic.

10 However, this option would impact the operations of Durst Organic Growers, a
11 business that has approximately 40 employees year round, and as many as 300
12 during peak farming periods. By placing the pipeline along roadways in close
13 proximity to Durst, a new impact would be created that would require additional
14 mitigation beyond APM TRANS-1 through APM TRANS-8. If this option is chosen,
15 MM TRANS-1 would be required to reduce impacts to less than significant. Option A
16 would result in greater impacts than the proposed Project.

17 Impact TRANS-1: Project Related Traffic Restricts Travel Lanes

18 **Project related traffic or other activities could restrict one or more travel lanes**
19 **of a primary or secondary arterial during peak-hour traffic, thereby reducing**
20 **the roadway's capacity and creating congestion (Potentially Significant, Class**
21 **II).**

22 MM TRANS-1 Mitigation for Potential Impacts to Durst Organic Growers.

23 PG&E shall consult with Durst Organic Growers to coordinate
24 construction activities along the roadways that Durst uses for
25 employees, visitors, and transportation of their produce.

26 Option B

27 Option B alternative would shift potential construction traffic impacts to a location
28 north of the proposed pipeline. Option B would cross basically the same number of
29 roadways as the proposed Project. Option B would increase transportation and
30 traffic impacts by increasing the length of the pipeline along roadways. These
31 impacts would be reduced to less than significant with the implementation of APM
32 TRANS-1 through APM TRANS-8. Operation of Option B would be the same as the
33 proposed Project and would not result in additional impacts related to traffic.

1 However, this option would impact the operations of Durst Organic Growers, a
2 business that has approximately 40 employees year round, and as many as 300
3 during peak farming periods. By placing the pipeline along roadways in close
4 proximity to Durst, a new impact would be created that would require additional
5 mitigation beyond APM TRANS-1 through APM TRANS-8. If this option is chosen,
6 MM TRANS-1 would be required to reduce impacts to less than significant. Option B
7 would result in greater impacts than the proposed Project.

8 **Option C**

9 Option C alternative would not change any impacts in comparison to the proposed
10 Project. With the implementation of APM TRANS-1 through APM TRANS-8, impacts
11 associated with Option C would be reduced to less than significant. Since
12 construction traffic impacts for Option C would be the same as for the proposed
13 Project, the impact would remain less than significant. Operation of Option C would
14 be the same as the proposed Project and would not result in additional impacts
15 related to traffic. Option C would result in impacts similar to the proposed Project.

16 **Option D**

17 Option D alternative would result in more impacts along CR-17 due to the pipeline
18 extending along this roadway rather than through agricultural fields for a portion of
19 the project. With the implementation of APM TRANS-1 through APM TRANS-8,
20 impacts associated with Option D would be reduced to less than significant. Since
21 construction traffic impacts for Option D would similar to the proposed Project, the
22 impact would remain less than significant. Operation of Option D would be the same
23 as the proposed Project and would not result in additional impacts related to traffic.
24 Option D would result in impacts similar to the proposed Project.

25 **Option E**

26 Option E alternative would result in more impacts along CR-19 due to the pipeline
27 extending along this roadway rather than through agricultural fields for a portion of
28 the project. With the implementation of APM TRANS-1 through APM TRANS-8,
29 impacts associated with Option E would be reduced to less than significant. Since
30 construction traffic impacts for Option E would be similar to the proposed Project, the
31 impact would remain less than significant. Operation of Option E would be the same
32 as the proposed Project and would not result in additional impacts related to traffic.
33 Option E would result in impacts similar to the proposed Project

1 Option F

2 Option F alternative would not change any impacts in comparison to the proposed
3 Project. With the implementation of APM TRANS-1 through APM TRANS-8, impacts
4 associated with Option F would be reduced to less than significant. Since
5 construction traffic impacts for Option F would be the same as for the proposed
6 Project, the impact would remain less than significant. Operation of Option F would
7 be the same as the proposed Project and would not result in additional impacts
8 related to traffic. Option F would result in impacts similar to the proposed Project

9 Option G

10 Option G alternative would result in impacts that are basically the same as the
11 proposed Project. With the implementation of APM TRANS-1 through APM TRANS-
12 8, impacts associated with Option G would be reduced to less than significant.
13 Since construction traffic impacts for Option G would be similar to the proposed
14 Project, the impact would remain less than significant. Operation of Option G would
15 be the same as the proposed Project and would not result in additional impacts
16 related to traffic. Option G would result in impacts similar to the proposed Project.

17 Option H

18 Option H alternative would result in impacts along Elverta Road rather than Riego
19 Road. However, the pipeline alignment length along both roadways would be
20 similar. The pipeline alignment along Powerline Road would not change. All other
21 impacts associated with the proposed Project would be the same with this option as
22 the proposed Project. With the implementation of APM TRANS-1 through APM
23 TRANS-8, impacts associated with Option H would be reduced to less than
24 significant. Since construction traffic impacts for Option H would be the same as for
25 the proposed Project, the impact would remain less than significant. Operation of
26 Option H would be the same as the proposed Project and would not result in
27 additional impacts related to traffic. Option H would result in impacts similar to the
28 proposed Project.

29 Option I

30 Option I alternative would result in impacts that are basically the same as the
31 proposed Project. With the implementation of APM TRANS-1 through APM TRANS-
32 8, impacts associated with Option I would be reduced to less than significant. Since
33 construction traffic impacts for Option I would be similar to the proposed Project, the

1 impact would remain less than significant. Operation of Option I would be the same
2 as the proposed Project and would not result in additional impacts related to traffic.
3 Option I would result in impacts similar to the proposed Project.

4 **Option J**

5 Option J alternative would result in impacts that are basically the same as the
6 proposed Project. With the implementation of APM TRANS-1 through APM TRANS-
7 8, impacts associated with Option J would be reduced to less than significant. Since
8 construction traffic impacts for Option J would be similar to the proposed Project, the
9 impact would remain less than significant. Operation of Option J would be the same
10 as the proposed Project and would not result in additional impacts related to traffic.
11 Option J would result in impacts similar to the proposed Project.

12 **Option K**

13 Option K alternative would result in impacts that are basically the same as the
14 proposed Project. With the implementation of APM TRANS-1 through APM TRANS-
15 8, impacts associated with Option K would be reduced to less than significant. Since
16 construction traffic impacts for Option K would be similar to the proposed Project, the
17 impact would remain less than significant. Operation of Option K would be the same
18 as the proposed Project and would not result in additional impacts related to traffic.
19 Option K would result in impacts similar to the proposed Project.

20 **Option L**

21 Option L alternative would increase the length of a proposed Line 407 HDD for
22 approximately 1,000 feet to the east along Base Line Road. This HDD extension
23 would not significantly increase the impacts associated with transportation and
24 traffic. With the implementation of APM TRANS-1 through APM TRANS-8, impacts
25 associated with Option L would be reduced to less than significant. Since
26 construction traffic impacts for Option L would be similar to the proposed Project, the
27 impact would remain less than significant. Operation of Option L would be the same
28 as the proposed Project and would not result in additional impacts related to traffic.
29 Option L would result in impacts similar to the proposed Project.

1 **Table 4.13-3: Comparison of Alternatives for Transportation and Traffic**

Alternative	Comparison with Proposed Project
No Project	No Impacts
Option A	Greater Impacts
Option B	Greater Impacts
Option C	Similar Impacts
Option D	Similar Impacts
Option E	Similar Impacts
Option F	Similar Impacts
Option G	Similar Impacts
Option H	Similar Impacts
Option I	Similar Impacts
Option J	Similar Impacts
Option K	Similar Impacts
Option L	Similar Impacts
Source: Michael Brandman Associates 2009.	

2

3 **4.13.7 Cumulative Projects Impact Analysis**

4 The construction of other projects in the vicinity of the proposed Project could
5 cumulatively affect transportation and traffic if the construction activities occurred
6 simultaneously. As discussed in Section 3.4, Cumulative Related Future Projects,
7 several projects are planned in the vicinity of the proposed Project, as shown in
8 Table 3.2. The timing of construction for the cumulative projects is unknown, and it
9 is possible that portions of these projects could be constructed at the same time and
10 in the same vicinity as the proposed Project. However, the proposed Project would
11 not result in any long-term impacts on transportation and traffic, and would therefore
12 not be cumulatively considerable. Cumulative impacts would be less than significant
13 (Class III).

14 When considered with the cumulative related projects, the proposed Project would
15 not result in cumulative impacts in terms of transportation and traffic in the proposed
16 Project area. The cumulative projects would have the potential to result in impacts
17 to transportation and traffic. However, the proposed Project would not result in

1 cumulative impacts to transportation and traffic because construction impacts would
 2 be temporary, and operation of the proposed Project would not result in a long-term
 3 increase in traffic on Project area roads that reduces traffic to LOS E. The proposed
 4 Project when considered with the cumulative related projects would not result in
 5 cumulative impacts to safety, increased congestion, insufficient parking, restricting
 6 parking lanes, property access, roadway closures, pedestrians, navigable airspace,
 7 transit operations, trains, or movement of emergency vehicles..

8 **4.13.8 Summary of Impacts and Mitigation Measures**

9 Through the implementation of APM TRANS-1 through APM TRANS-8, the
 10 proposed Project would not result in a long-term traffic increase that results in an
 11 LOS E, create substantial safety hazards to motorists, bicyclists, or pedestrians,
 12 restrict travel lanes due to installation of a transmission line, restrict access to and
 13 from adjacent land uses, close a major roadway, interfere with navigable airspace,
 14 result in safety problems for vehicles, pedestrians, transit operations or trains. Nor
 15 would the Project restrict movement of emergency vehicles, increase demand for
 16 parking, disrupt rail or bus service, disrupt rail traffic, or impede pedestrian
 17 movements or bike trails in the construction area. Therefore, impacts to
 18 transportation and traffic would be less than significant (Class III), and no mitigation
 19 measures are required.

20 Implementation of Option A or Option B would result in potentially significant impacts
 21 (Class II) to traffic near Durst Organic Growers and, in addition to APM TRANS-1
 22 through APM TRANS-8, would require implementation of MM TRANS-1 in order to
 23 reduce impacts to less than significant (Class III).

24 **Table 4.13-4: Summary of Transportation and Traffic Impacts and Mitigation**

Impact	Mitigation Measure
TRANS-1. Project Related Traffic Restricts Travel Lanes	TRANS-1. Mitigation for Potential Impacts to Durst Organic Growers.
Source: Michael Brandman Associates 2009.	