

**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT  
COMMISSION OF THE STATE OF CALIFORNIA**

**APPLICATION FOR  
CERTIFICATION FOR THE  
ORANGE GROVE POWER PLANT  
PROJECT BY ORANGE GROVE  
ENERGY, LP**

DOCKET NO. 08-AFC-4  
(AFC filed 06/20/08)

<b>DOCKET</b>	
<b>08-AFC-4</b>	
DATE	_____
RECD.	<u>MAR 09 2009</u>

**ORANGE GROVE ENERGY, L.P.'S SUPPLEMENTAL TESTIMONY ON LAND USE,  
SOIL AND WATER, AND TRAFFIC AND TRANSPORTATION**

**ORANGE GROVE ENERGY'S SUPPLEMENTAL TESTIMONY OF  
RICHARD JONES REGARDING LAND USE**

*Q1 Mr. Jones, please state your name, address, position and qualifications.*

A1 Richard Jones  
Project Manager, Orange Grove Project  
J-Power USA Development Co., LTD  
821 Good Hope Dr.  
Castle Rock, CO 80108

Formal Education:

BS in Marine Engineering from California Maritime Academy

Relevant Experience:

I have 22 years experience in the electric power generation field, including operations, maintenance, plant management, senior management, development and design.

*Q2 Please describe the purpose of your testimony.*

A2 The purpose of my testimony is to respond to the Committee's questions from its February 25, 2009 Notice of Supplemental Evidentiary Hearing regarding the leasing and tolling arrangements for the Orange Grove Energy Project (the "Project"), site access rights via Pala Del Norte Road and the Subdivision Map Act.

*Q3 Will the project site be available to Orange Grove Energy via a tolling agreement, lease agreement, or both?*

A3 Orange Grove Energy, L.P. ("Orange Grove") will enter into a lease for the Project site and a tolling agreement for the sale of the energy and capacity from the Project.

*Q4 With regard to the Committee's questions regarding Pala Del Norte Road, who owns this road?*

A4 As discussed in Orange Grove's Response to Comments by DFI Funding, Inc. (filed January 29, 2009), Pala Del Norte Road is a private road providing access to land owned by several different owners. The portion of Pala Del Norte Road that will be used for access to the project site lies exclusively on land owned by SDG&E and this portion of the road is owned by San Diego Gas and Electric Company (SDG&E). (See Orange Grove's Response to Comments by DFI Funding, Inc. at 28; see also Exhibit 1 at Figure 1.1-3.)

*Q5 Does Orange Grove Energy have permission to access Pala Del Norte Road?*

A5 Yes. As part of its lease agreement with SDG&E, Orange Grove will hold a license to use the access roads located on adjacent property owned by SDG&E, including Pala Del Norte Road.

Q6 *Did Orange Grove request conformation from San Diego County that the lease between SDG&E and Orange Grove is exempt from the requirement to file a parcel map under the Subdivision Map Act?*

A6 Yes.

Q7 *Is Attachment A to this testimony, a letter from Brian Baca, San Diego County Department of Planning and Land Use, to Stephen Thome, Orange Grove Energy, L.P., dated January 7, 2009, a true and correct copy of San Diego County's response to Orange Grove's request?*

A7 Yes.

Q8 *Does Attachment A provide an opinion on the application of the parcel map requirement of the Subdivision Map Act?*

A8 Yes it does. The letter states Orange Grove's leasing of the project site from SDG&E is exempt from the requirements of the Subdivision Map Act under California Government Code Section 66428(a)(2) and does not need to file a parcel map.

Q9 *Mr. Jones, where your testimony includes facts, are those facts true and correct to the best of your knowledge?*

A9 Yes.

Q10 *Mr. Jones, where your testimony includes opinions, are those opinions based upon your best professional judgment?*

A10 Yes.

Richard Michael (Mike) Jones

Dated: 03-09-2009

Executed At: Castle Rock, CO

ATTACHMENT A

LETTER FROM BRIAN BACA, SAN DIEGO COUNTY DEPARTMENT OF PLANNING  
AND LAND USE, TO STEPHEN THOME, ORANGE GROVE ENERGY, L.P., DATED  
JANUARY 7, 2009



ERIC GIBSON  
DIRECTOR

## County of San Diego

### DEPARTMENT OF PLANNING AND LAND USE

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CALIFORNIA 92123-1666  
INFORMATION (858) 694-2860  
TOLL FREE (800) 411-0017  
[www.sdcountry.ca.gov/dplu](http://www.sdcountry.ca.gov/dplu)

January 7, 2009

Stephen Thome  
Orange Grove Energy, L.P.  
Suite 1030  
1900 E. Golf Road  
Schaumburg, IL 60010

Dear Mr. Thome;

This letter is provided at the request of Orange Grove Energy, L.P., who we understand is undertaking a project located near the intersection of Pala Del Norte Road and Highway 76 in the Pala-Pauma Community Plan area of the unincorporated area of San Diego County (APN 110-072-26). It is hereby confirmed that the 25-year lease of an 8.5-acre portion of land owned by San Diego Gas and Electric Company (SDG&E) to the applicant is exempt from the requirements of the Subdivision Map Act.

The applicant has informed the County of San Diego that SDG&E will lease the site to Orange Grove for a power generation facility, and SDG&E will continue operation of the facility after the end of the lease. As stated by the applicant, Orange Grove will separately finance this project and collaterally assign this lease to its lenders. This letter also confirms that this collateral assignment of the lease by Orange Grove to its lenders and their assignees is exempt from the Subdivision Map Act.

California Government Code Section 66428(a)(2) provides for this exemption, as follows:

*"...A parcel map shall not be required for....[I]and conveyed to or from a governmental agency, public entity, public utility, or for land conveyed to a*

*subsidiary of a public utility for conveyance to that public utility for rights-of-way, unless a showing is made in individual cases, upon substantial evidence, that public policy necessitates a parcel map. For purposes of this subdivision, land conveyed to or from a governmental agency shall include a fee interests, a leasehold interest, an easement, or a license."*

The County is not aware of any showing having been made in this individual case, that public policy necessitates a parcel map. Further, the applicant has informed the County that the leasing of utility property is subject to the purview of the California Public Utilities Commission and that SDG&E has already received approval for the lease of the site by the Public Utilities Commission. Accordingly, it is understood that the leasing and financing of the SDG&E land for this project is exempt from the Subdivision Map Act under Section 66428(a)(2) and does not require a parcel map.

Please let me know if you have any questions at (858) 694-3789.

Sincerely,



Brian R. Baca  
Chief, Regulatory Planning  
Department of Planning and Land Use

cc: Ruth Love, San Diego Gas & Electric Company, 8335 Century Park Court, CP11D,  
San Diego, CA 92123  
Jarrett Ramaiya, Project Manager, Department of Planning and Land Use,  
M.S. O-650  
File

**ORANGE GROVE ENERGY'S SUPPLEMENTAL TESTIMONY OF  
JOSEPH STENGER REGARDING TRAFFIC AND TRANSPORTATION**

*Q1 Mr. Stenger, please state your name, address, position and qualifications.*

A1 Joseph Stenger  
Project Director  
TRC Companies, Inc  
2666 Rodman Dr.  
Los Osos, CA 93402

Formal Education:

BS in Geology (Earth Sciences) from University of California at Santa Cruz.

Relevant Experience:

I have 23 years of experience in environmental engineering, regulatory compliance and permitting in California. I am a California-licensed Professional Geologist, a California Registered Environmental Assessor, and a Nevada Certified Environmental Manager. My 23 years as an environmental professional includes extensive experience in environmental and regulatory compliance auditing, environmental risk assessment, waste management, hazardous materials, permitting, and remediation for a wide variety of infrastructure and industrial projects, including more than 10 years of experience with power plants and related infrastructure.

*Q2 Please describe the purpose of your testimony.*

A2 The purpose of my testimony is to respond to the Committee's questions regarding traffic and transportation. In its Notice of Supplemental Evidentiary Hearing, the Committee specifically requested the parties to address the duration of pipeline construction, the hours of construction, where or when the flagmen will be needed and the basis for the conclusion that the pipeline construction will have no significant impact on traffic flow.

*Q3 What is the expected duration of the natural gas pipeline construction?*

A3 The natural gas pipeline in its entirety is expected to be constructed over a period of approximately three months. (Exhibit 1 at p. 2-36.) The construction of an approximately 2,000 foot long portion of pipeline that will be located longitudinally within the State Route 76 (SR-76) right-of-way (ROW) and the tap to the existing gas pipeline are the only portions of pipeline construction work expected to require any lane closure or other material disruption in traffic flow. Construction of the approximately 2,000 feet of pipeline in the SR-76 ROW is expected to require approximately 28 workdays with traffic control. The tap to the existing gas pipeline is expected to require approximately 4 workdays with traffic control. Therefore, the duration of traffic controls is estimated at approximately 32 workdays total.

Construction of the two pipeline crossings of SR-76 will not require lane closure or other material disruption in traffic flow, except for the north side of the west crossing which is the eastern terminus of the 2,000 foot longitudinal pipeline segment described above. Both crossings are going to be installed with either directional drilling or jack and bore techniques. Either technique will not require modifications to the road surface or traffic flow during construction and installation of these pipeline crossing locations, other than traffic control for the north side of the west crossing at the terminus of the 2,000 foot longitudinal pipeline segment.

A preliminary schedule for the portions of the pipeline construction work within the SR-76 ROW is attached. The preliminary schedule reflects expected conditions. This schedule could be extended if Caltrans issues restrictions in conjunction with the Encroachment Permit that limit work hours to less than a normal workday.

*Q4 What are the planned hours of pipeline construction?*

A4 For gas pipeline work within the SR-76 ROW, hours of construction work have not been specifically defined. It is expected that Caltrans will dictate work hour restrictions designed to minimize traffic impacts in conjunction with issuance of the encroachment permits. Exhibit 10 at p. 14 acknowledged that Caltrans may dictate work hours in the SR-76 ROW. Orange Grove Energy ("Orange Grove") will be required to comply with any work hour restrictions that may be issued by Caltrans. Orange Grove expects that, at minimum, Caltrans will not allow lane closures between 6 a.m. and 8 a.m. and between 4 p.m. and 6 p.m. Orange Grove is agreeable to committing to this limitation at this time to minimize traffic impacts.

Outside the SR-76 ROW, pipeline construction will occur during normal daytime hours, typically starting at 7 a.m. and ending between 4:30 p.m. and 5:30 p.m. (Exhibit 1 at 6.11-12.)

*Q5 Where and when will the flagmen be needed?*

A5 Draft Traffic Control Plans are attached. Three flaggers will be needed. A flagger will be provided at each end of the construction zone on SR-76 and at the Couser Canyon Road/SR-76 intersection, as shown in the attached draft traffic control plans. Flaggers will be provided whenever there is a lane closure. Lane closures will be less than 500 feet long at any given time, moving along the pipeline construction route as segments of the pipeline are completed.

Closure of a single lane is expected to be needed whenever trenching, pipeline installation, backfilling or horizontal boring is occurring within the ROW, which will constitute most of the work in the ROW. At the end of each work day, the pipeline trench will be backfilled or covered with steel plates in accordance with Caltrans requirements, prior to the lane being reopened.



The final Traffic Control Plans will be subject to approval by Caltrans in conjunction with issuance of the encroachment permit, subject to review and comment by the County of San Diego pursuant to Condition of Certification TRANS-1, and subject to approval by the Commission's Compliance Project Manager pursuant to Condition of Certification TRANS-1. Caltrans will require that the Traffic Control Plan lane closure provisions comply with Caltrans 2006 Standard Plan T13 (Encroachment Permits, Manual for Encroachment Permits on California State Highways, California Department of Transportation, Appendix H, [http://www.dot.ca.gov/hq/traffops/developserv/permits/encroachment\\_permits\\_manual/index.html](http://www.dot.ca.gov/hq/traffops/developserv/permits/encroachment_permits_manual/index.html)), which will require the three flaggers as specified above.

*Q6 What is the basis for your conclusion that pipeline construction will not have a significant impact on traffic flow?*

A6 With regard to traffic flow, a project may have a significant impact on the environment if the project would:

- cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ration on roads, or congestion at intersections).
  - exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways.
  - substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections or incompatible uses (e.g., farm equipment)).
  - Result in inadequate emergency access.
  - Result in inadequate parking capacity.
  - Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks).
- (14 C.C.R. § 15000 et seq., Appendix G.)

The traffic increases that will occur due to project construction, including workers and deliveries for construction of the gas pipeline, will be short term (Exhibit 1 at 2-36 and 6.11-15; *see also* A3 above). Furthermore, the increased vehicle counts associated with construction of the pipeline were considered in the total project traffic counts analyzed in Orange Grove's Application for Certification, the Staff Assessment, and the Presiding Members Proposed Decision (PMPD), and have been determined to be less than significant and not likely to result in a significant level of service impact. (Exhibit 1 at 6.11-11 through 6.11-14, 6.11-24, 6.11-25, 6.11-28; Exhibit 200 at 4.10-5, 4.10-6, 4.10-7; PMPD at 373.) Based on these factors, pipeline construction will not cause an increase in vehicle counts which is substantial in relation to the existing traffic load and capacity of the street system, and will not degrade the level of service below any established level of service standard.

In response to the PMPD's request for further testimony on the potential for a significant traffic flow impact from gas pipeline construction, additional analysis has been performed by Orange Grove to assess the effectiveness of the Traffic Control Plans that

will be implemented for pipeline construction in the SR-76 ROW. As stated in A5, above, draft Traffic Control Plans are attached. The proposed plans would maintain a minimum of one lane open at all times, and access to all intersections would be maintained. Lane closure will be less than 500 feet long at any given time, moving along the pipeline construction route as segments of the pipeline are completed. Orange Grove commissioned an evaluation of the proposed Traffic Management Plans to demonstrate that the pipeline construction work will not result in unacceptable impacts to traffic flow. A summary of the methodologies and results of this evaluation are attached. The results indicate that with the proposed Traffic Management Plans in place, the average vehicle delay from the proposed Traffic Management Plans is estimated to be approximately 37.9 seconds. This is the average time it will take to travel through the construction area (including average stop time at the flaggers), minus the time it would take to travel the same road segment without the construction project. No methodology currently exists to directly relate the delay at the proposed traffic controls to the level of service. However, the proposed traffic controls will operate most closely to a signalized intersection. Based on signalized intersection criteria, a delay of 37.9 seconds per vehicle equates to a LOS "D". This conforms with the San Diego Association of Governments' recommended minimum level of service for County roadways. (Exhibit 1 at 6.11-10.) Caltrans endeavors to maintain a target level of service at the transition between LOS "C" and LOS "D" on State Highway facilities, or if an existing State highway facility is operating at less than the appropriate target level of service, the existing measure of effectiveness should be maintained. Exhibit 1 at p. 6.11-13 documents the Existing (2009) LOS for the segment of SR 76 between Rice Canyon Road and Pala Del Norte Road is expected to operate at a LOS "D" in the weekday p.m. peak hour. Since the proposed traffic controls will not change the existing level of service of the roadway, this does not constitute a significant effect on the roadway.

The Traffic Management Plan will mitigate the potential short-term hazards of pipeline construction in the SR-76 ROW. The Traffic Management Plan will comply with Caltrans specifications, including Caltrans 2006 Standard Plan T13 (Encroachment Permits, Manual for Encroachment Permits on California State Highways, California Department of Transportation, Appendix H, [http://www.dot.ca.gov/hq/traffops/developserv/permits/encroachment\\_permits\\_manual/index.html](http://www.dot.ca.gov/hq/traffops/developserv/permits/encroachment_permits_manual/index.html)) and the Caltrans California Manual on Uniform Traffic Control Devices. The Traffic Management Plan will include signage and flaggers to warn drivers and to reduce speeds and to safely direct traffic through the construction area in accordance with Caltrans state-wide standardized traffic control engineering practices. Considering the proposed Traffic Management Plans, the short term construction work will not substantially increase the hazard of any design feature.

Gas pipeline construction will not affect any established parking. The staff analysis documents that land uses along the pipeline corridor are characterized by open space, a transportation corridor, agricultural properties, and habitat enhancement associated with the Gregory Canyon landfill. (Exhibit 200 at p. 4.5-5.) Exhibit 1 at Figure 2.2-4 provides an aerial photograph demonstrating that the portion of the gas pipeline that is within the SR-76 ROW is surrounded by agricultural land with little development to

generate any parking demand. Furthermore, analyses by Orange Grove, Staff and the PMPD have concluded that there is adequate parking for project construction. (Exhibit 200 at p. 4.10-5; Exhibit 1 at p. 6.11-18; PMPD at p. 367.) Therefore, pipeline construction will not result in inadequate parking capacity that could otherwise impede traffic flow.

There is no evidence that pipeline construction would conflict with any adopted policy, plan or program supporting alternative transportation. Traffic and transportation related LORS applicable to the project have been evaluated, and the Project can meet the requirements of identified LORS. (Exhibit 1 at p. 6.11-30, 6.11-31; Exhibit 200 at p.4.10-2; PMPD Appendix A.) At least one lane and access to intersections will be maintained during pipeline construction work.

Based on these considerations, impacts of gas pipeline construction on traffic flow will be less than significant.

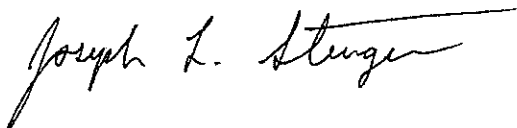
*Q7 Mr. Stenger, where your testimony includes facts, are those facts true and correct to the best of your knowledge?*

A7 Yes.

*Q8 Mr. Stenger, where your testimony include opinions, are those opinions based upon your best professional judgment?*

A8 Yes.

Joseph Stenger



Dated: March 9, 2009

Executed At: Los Osos, CA

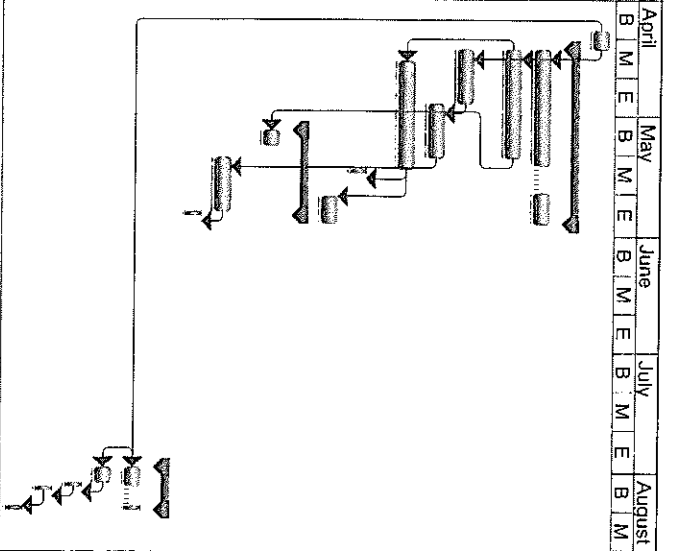
ATTACHMENT A

Orange Grove Project Preliminary Gas Pipeline Construction Schedule for SR-76 ROW



**ORANGE GROVE PROJECT  
PRELIMINARY GAS PIPELINE CONSTRUCTION SCHEDULE  
FOR SR-76 ROW**

ID	Task Name	Duration	Start	Finish	Predecessors	April	May	June	July	August
1	Contractor Mobilization	3 days	Thu 4/9/09	Mon 4/13/09		B	M	E		
2	<b>Longitudinal Installation - 2000 ft</b>	<b>33 days</b>	<b>Tue 4/14/09</b>	<b>Thu 5/28/09</b>						
3	Installation/ Maintain Traffic Control on SR-76	28 days	Tue 4/14/09	Thu 5/28/09 1						
4	Installation/ Maintain Temporary Sediment Controls	20 days	Tue 4/14/09	Mon 5/11/09 1						
5	Bore under drainage	10 days	Tue 4/14/09	Mon 4/27/09 1						
6	Bore under SR 76	10 days	Tue 4/28/09	Mon 5/11/09 5						
7	Excavation/ Installation of 10-inch gas line	20 days	Fri 4/17/09	Thu 5/14/09 4SS+3 days						
8	Install Permanent Erosion Controls	1 day	Fri 5/15/09	Fri 5/15/09 7						
9	AC repair/ Installation	5 days	Fri 5/22/09	Thu 5/28/09 7FS+5 days						
10	<b>SR 76 Crossing - Gregory Canyon Property</b>	<b>16 days</b>	<b>Tue 5/5/09</b>	<b>Tue 5/26/09</b>						
11	Installation/ Maintain Temporary Sediment Controls	4 days	Tue 5/5/09	Fri 5/8/09 4FS-5 days						
12	Bore under SR-76 ( at Gregory Canyon Property)	10 days	Tue 5/12/09	Mon 5/25/09 6						
13	Install Permanent Erosion Controls	1 day	Tue 5/26/09	Tue 5/26/09 12						
14	<b>SDGE Connection</b>	<b>7 days</b>	<b>Fri 7/31/09</b>	<b>Mon 8/10/09</b>						
15	Installation/ Maintain Traffic Control on SR-76	4 days	Fri 7/31/09	Mon 8/10/09 1SS+80 days						
16	Excavate and expose pipeline	2 days	Fri 7/31/09	Mon 8/3/09 1SSS						
17	Install valve and connection	1 day	Tue 8/4/09	Tue 8/4/09 16						
18	Backfill/Compact	1 day	Wed 8/5/09	Wed 8/5/09 17						
19	AC repair/ Installation	1 day	Mon 8/10/09	Mon 8/10/09 18FS+2 days						



Project: Orange Grove - 10 - Inch Gas  
Date: Sun 3/8/09

Task: Split  
Progress:

Milestone: Summary  
Project Summary

External Tasks: External Milestone  
Deadline

ATTACHMENT B

Vehicle Delay Calculations for the Proposed Traffic Control Plan for the Orange Grove Gas Pipeline



March 9, 2009

Mr. Joe Stenger  
TRC Solutions, Inc.  
2666 Rodman Drive  
Los Osos, CA 93402

Re: Vehicle Delay Calculations for the proposed Traffic Control Plan for the Orange Grove Gas Pipeline

Dear Mr. Stenger:

Pursuant to your request, TPG Consulting, Inc. performed an evaluation to determine the magnitude of traffic delay that should be expected due to construction of an approximately 2,000 foot long segment of gas pipeline in the right-of-way for State Route 76 (SR-76). The pipeline construction is proposed as part of the Orange Grove Project, described in the Application for Certification (AFC) dated June 2008.

Average vehicle delay from the proposed construction of the Orange Grove gas pipeline was calculated using information from the traffic control plan and typical vehicle travel assumptions. The proposed construction area is along the north side of SR-76, just east of Rice Canyon Road. The construction will occur in segments of approximately 500 feet or less. Our evaluations are based on the approximate maximum construction zone length of 500 feet and construction occurring between the hours of 8:00 AM and 4:00 PM. During this time, the westbound (north-side) lane of SR-76 will be closed and traffic will be manually controlled by construction personnel at flag stations. If Caltrans requires nighttime construction, delays would be less than described herein, provided that construction does not occur during peak traffic hours of 6:00 AM to 8:00 AM and 4:00 PM to 6:00 PM.

In order to calculate the projected delay to motorists, the following data/assumptions were used:

- Traffic counts taken along the study segment by TPG on 3/20/07 for the project traffic impact analysis presented in the AFC.
- Assumed travel speeds: 25 mph with construction, 45 mph without construction
- Assumed acceleration/deceleration rate: 10 ft/sec<sup>2</sup>
- Assumed vehicle lengths: 25 feet for cars, 75 feet for heavy vehicles

The traffic counts taken on 3/20/07 include heavy vehicle percentages which are approximately 10% for the target roadway segment. In order to prepare the analysis, the peak hour (3:00 PM – 4:00 PM) traffic within the construction time period (8:00 AM – 4:00 PM) was used to present the worst-case delay. This peak hour represents approximately 6% of the total daily traffic on this segment of SR-76. The average daily traffic count for this segment is attached.

Visalia Office  
222 N. Garden Street,  
Suite 100  
Visalia, CA 93291  
Tel 559.739.8072  
Fax 559.739.8377

San Luis Obispo Office  
560 Higuera Street,  
Suite E  
San Luis Obispo, CA 93401  
Tel 805.547.9498  
Fax 805.547.9596

The projected construction delay was calculated using the difference in travel time for construction conditions and non-construction conditions through the segment affected by the construction zone. This segment starts at the braking distance for a vehicle to stop at the flag station and ends where vehicles are expected to have accelerated back to normal travel speed. Travel time for the construction scenario includes deceleration, stopped delay, travel through the construction zone at 25 mph, and acceleration to 45 mph beyond the construction zone. Each component was added together to develop the total travel time through the construction zone.

Based on the calculations shown in the attached worksheet, travel time through the construction zone is approximately 52.8 seconds per vehicle. The time to travel the same distance at normal operating speeds is 14.9 seconds. The difference between the two (2) travel times is the projected vehicle delay caused by construction. Therefore, the projected delay is 37.9 seconds per vehicle for the proposed construction. This is the average vehicle delay during the 3:00 PM to 4:00 PM peak traffic hour of the construction day. As shown in the attached worksheet, an average of 6.7 vehicles will queue at the flagger for each stop cycle. The average delay of 37.9 seconds represents the middle car of the queue. The first car in the queue will be stopped the longest and will be delayed an additional approximately 20.5 seconds (58.4 seconds total delay), and the last car in the queue will be delayed approximately 20.5 seconds less (17.4 seconds total delay).

The intersection of Rice Canyon Road at SR-76 is located on the west end of the proposed construction zone. Based on the analysis presented in the Orange Grove Project AFC (Section 6.11), this intersection is currently and projected to operate above the LOS standards for both Caltrans and San Diego County during the AM and PM peak hours (6:00 AM – 8:00 AM and 4:00 PM – 6:00 PM) analyzed in the AFC. The proposed construction traffic control will affect the operations of this intersection outside of the previously analyzed peak hours. Traffic during the proposed construction time period is lower than the analyzed peak hours for SR-76 and is projected to be much lower for Rice Canyon Road.

The operation of the proposed construction traffic control will increase platooning to SR-76 where minimal platooning currently occurs. The increase of platooning will cause an increase in gaps in major street traffic which will allow larger opportunities for access to SR-76. This may cause additional delay to Rice Canyon Road movements when platoons develop. However, the longer gaps created by the increased platooning will create more opportunities for movement at this intersection than delay. Consequently, the potential increase in platooning will not significantly affect traffic flow.

### **Conclusion**

Based on the analysis presented above, the traffic during the peak hour of the construction time period is projected to operate at 37.9 seconds of delay per vehicle on average. No methodology currently exists to directly relate delay at the proposed traffic control to LOS. However, the proposed traffic control operates most closely to a signalized intersection. Based on signalized intersection criteria, a delay of 37.9 seconds per vehicle equates to a LOS "D". Caltrans endeavors to maintain a target LOS at the transition between LOS "C" and LOS "D" on State Highway facilities, or if an existing State highway facility is operating at less than the appropriate target LOS, the existing measure of effectiveness (MOE) should be maintained. As shown in the Orange Grove Project AFC, the Existing (2009) LOS for the segment of SR-76 between Rice Canyon Road and Pala Del Norte Road is operating at a LOS "D" in the weekday PM peak hour.



Letter to Mr. Joe Stenger  
TRC Solutions, Inc.  
March 9, 2009  
Page 3

Since the calculated LOS for the proposed traffic control will not change the existing LOS of the roadway, this does not constitute a significant effect on the roadway. In addition to maintaining the LOS, the proposed construction impacts are short-term, both in context of daily impacts and overall (long-term) impacts. The implementation of the traffic control plan is in and of itself mitigation to the potential traffic impacts brought about by the construction.

Thank you for the opportunity to provide this information. If you have any questions regarding this information, please feel free to contact me at [whutcheson@tpgconsulting.net](mailto:whutcheson@tpgconsulting.net) or 559/739-8072.

Sincerely,

A handwritten signature in black ink, appearing to read "Wally Hutcheson", written over a horizontal line.

Wally Hutcheson, TE (TR2532)  
Associate Engineer

Attachment: SR-76 Traffic Count  
Travel Time – Delay Calculations

## Projected Traffic Control Delay Calculations for SR 76

Travel Speed	
• Construction	25 mph
• No Construction	45 mph
Average Arrival <sup>1</sup>	9.8 veh/min
Truck %	10 %
Car Length	25 ft
Truck Length	75 ft
Accel/Decel Rate	10 ft/s <sup>2</sup>
Length	
• Construction Zone	500 ft
• Clear Zone (taper)	120 ft
(1) Time for first vehicle stopped to travel through construction area	
• from stop to 45mph	25.6 sec
(2) Average number of vehicles stopped by flagger for each cycle	6.7 veh
(3) Time between first and last vehicle traveling through zone	5.5 sec
(4) Total travel time for one direction	
• sum of (1) and (3)	31.1 sec
(5) Time between last vehicle in queue and flagger to reverse direction	10.0 sec
(6) Stopped time for first vehicle in opposing direction queue	
• sum of (4) and (5)	41.1 sec
(7) Average stopped time for the middle (fourth) vehicle of queue	
• average of (6)	20.5 sec
(8) Deceleration time	
• from 45 mph to stop	6.6 sec
<b>Total Travel Time with Construction</b>	
• sum of (1), (7), and (8)	<b>52.8 sec</b>
<b>Total Travel Time without Construction</b>	<b>14.9 sec</b>
<b>Average Delay<sup>2</sup></b>	<b>37.9 sec</b>

<sup>1</sup> Average arrival per direction for 3-4 PM. As shown on attached traffic count

<sup>2</sup> Average Delay is travel time w/ construction minus w/o construction

**SR 76 between Rice Canyon Road and Pala Del Norte Road**

Hour	Total	4%	8%	12%	Daily %
0:00	205				1.1%
1:00	123				0.6%
2:00	125				0.7%
3:00	189				1.0%
4:00	339				1.8%
5:00	764				4.0%
6:00	1,390				7.3%
7:00	1,269				6.6%
8:00	999				5.2%
9:00	857				4.5%
10:00	804				4.2%
11:00	806				4.2%
12:00	826				4.3%
13:00	854				4.5%
14:00	898				4.7%
15:00	1,170				6.1%
16:00	1,924				10.0%
17:00	1,962				10.2%
18:00	1,099				5.7%
19:00	707				3.7%
20:00	617				3.2%
21:00	540				2.8%
22:00	395				2.1%
23:00	283				1.5%
	<b>19,145</b>				<b>100%</b>

ATTACHMENT C

Traffic Control Plans for the Orange Grove Gas Pipeline

# STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL PLANS FOR THE: ORANGE GROVE GAS PIPELINE SEGA PROJECT NO. 07-0098

## SHEET INDEX

DRAWING	DRAWINGS TITLE	SHEET NO.
SHEET 1	TITLE SHEET	1 OF 11
SHEET 2	TRAFFIC MANAGEMENT PLAN	2 OF 11
SHEET 3	TRAFFIC CONTROL	3 OF 11
SHEET 4	TRAFFIC CONTROL	4 OF 11

## PROJECT TEAM

**OWNER/PROJECT:**  
CALTRANS DISTRICT 7  
1500 EAST 28th ST, SUITE 1030  
SANTA ANA, CA 92705  
PHONE: 949-966-2900

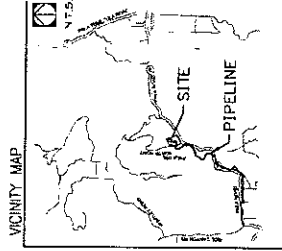
**CONTRACTOR:**  
ORANGE GROVE ENERGY L.P.  
10000 JEFFERSON ROAD  
SHELTON, CA 94584  
PHONE: 415-746-9200

**ENGINEER:**  
SEGA INC.  
2000 W. 10th ST., P.O. BOX 1000  
SHELTON, CA 94584-1000  
PHONE: 916-941-7881



## TRAFFIC CONTROL PLAN GENERAL NOTES:

1. CALTRANS RESERVES THE RIGHT TO ORDER THE CONTRACTOR TO STOP WORK ON A PUBLIC STREET TO INSTALL AND MAINTAIN THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRAFFIC CONTROL PLAN AND FOR THE SAFETY OF THE WORK AREA AND FOR THE PROTECTION OF THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRAFFIC CONTROL PLAN AND FOR THE SAFETY OF THE WORK AREA AND FOR THE PROTECTION OF THE PUBLIC.
2. ALL OPERATIONS SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
3. THE CONTRACTOR SHALL NOTIFY CALTRANS AT LEAST FIVE WORKING DAYS IN ADVANCE OF IMPLEMENTING ANY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY CALTRANS AT LEAST FIVE WORKING DAYS IN ADVANCE OF IMPLEMENTING ANY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY CALTRANS AT LEAST FIVE WORKING DAYS IN ADVANCE OF IMPLEMENTING ANY CONSTRUCTION OPERATIONS.
4. ALL SIGNS, DELINEATORS, BARRICADES, ETC. AND THEIR INSTALLATION SHALL COMPLY WITH THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS LATEST EDITION, AND CALIFORNIA DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC CONTROL (MUTCD) (2003 EDITION).
5. CALTRANS RESERVES THE RIGHT TO ORDER THE CONTRACTOR TO STOP WORK ON A PUBLIC STREET TO INSTALL AND MAINTAIN THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRAFFIC CONTROL PLAN AND FOR THE SAFETY OF THE WORK AREA AND FOR THE PROTECTION OF THE PUBLIC.
6. ALL TRAFFIC CONTROL SIGNS SHALL BE PLACED IN THE WORK AREA IN ACCORDANCE WITH THE MUTCD (2003 EDITION).
7. ALL TRAFFIC CONTROL SIGNS SHALL BE PLACED IN THE WORK AREA IN ACCORDANCE WITH THE MUTCD (2003 EDITION).
8. ALL TRAFFIC CONTROL SIGNS SHALL BE PLACED IN THE WORK AREA IN ACCORDANCE WITH THE MUTCD (2003 EDITION).
9. CONTRACTOR SHALL PROVIDE FLAGGERS AS DEEMED NECESSARY BY ENGINEER.
10. CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES FIVE WORKING DAYS PRIOR TO CONSTRUCTION.
11. ALL AFFECTED SIGNAGE SHALL BE REPLACED WITHIN THE SPECIFIED TIME FRAME.
12. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES. SIGNAL APPROVED BY CALTRANS.
13. IN ADDITION, "LANE CLOSED" SIGNS ON THE II HIGHWAY SHALL BE PLACED AT 150 FOOT INTERVALS THROUGHOUT EXISTING WORK AREAS THROUGHOUT THE PROJECT. INSTALL "OPEN TROUGH" SIGNS NEARBY AN OPEN EXCAVATION AREA EXCEPT ADJACENT TO THE TRAVEL WAY.
14. ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE BOUNDED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL SIGNS SHALL BE INSTALLED BY THE CONTRACTOR UPON COMPLETION OF PROJECT.
15. CONTRACTOR SHALL COVER ALL EXISTING SPEED LIMIT SIGNS AND REPLACE WITH A 25 MPH ROAD WORK SPEED LIMIT SIGN.
16. CONTRACTOR SHALL REPLACE/REPAIR ALL DAMAGE SUFFERING WITH TEMPORARY STRIPING OR PAIRED PAVEMENT MARKETS AT THE END OF EACH WORKING DAY.
17. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENT OF THE AMERICAN DISABILITY ACT AS RELATES TO ACCESSIBILITY ASPECTS AND THE MUTCD (2003 EDITION) THROUGHOUT THE PROJECT. ALL TRAFFIC CONTROL SIGNS SHALL BE REPLICATED AS REQUIRED BY THE MUTCD (2003 EDITION).
18. CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
19. CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL SIGNS WITH REFLECTIVE SHEET PLATES AS REQUIRED BY THE MUTCD (2003 EDITION) AND SHALL BE REPLICATED AS REQUIRED BY THE MUTCD (2003 EDITION).
20. CONTRACTOR SHALL INSTALL "CAUTION STEEL PLATES AHEAD" AND/OR "ROUGH ROAD" SIGNS IN ADVANCE OF STEEL PLATE INSTALLATION.



NO.	DATE	DESCRIPTION	BY	CHK
1	07-10-08	ISSUED FOR CALTRANS APPROVAL	SEGA	SEGA

CALTRANS PROJECT/PERMIT NO.	07-0098
APPROVED BY:	[Signature]
DATE:	07-10-08

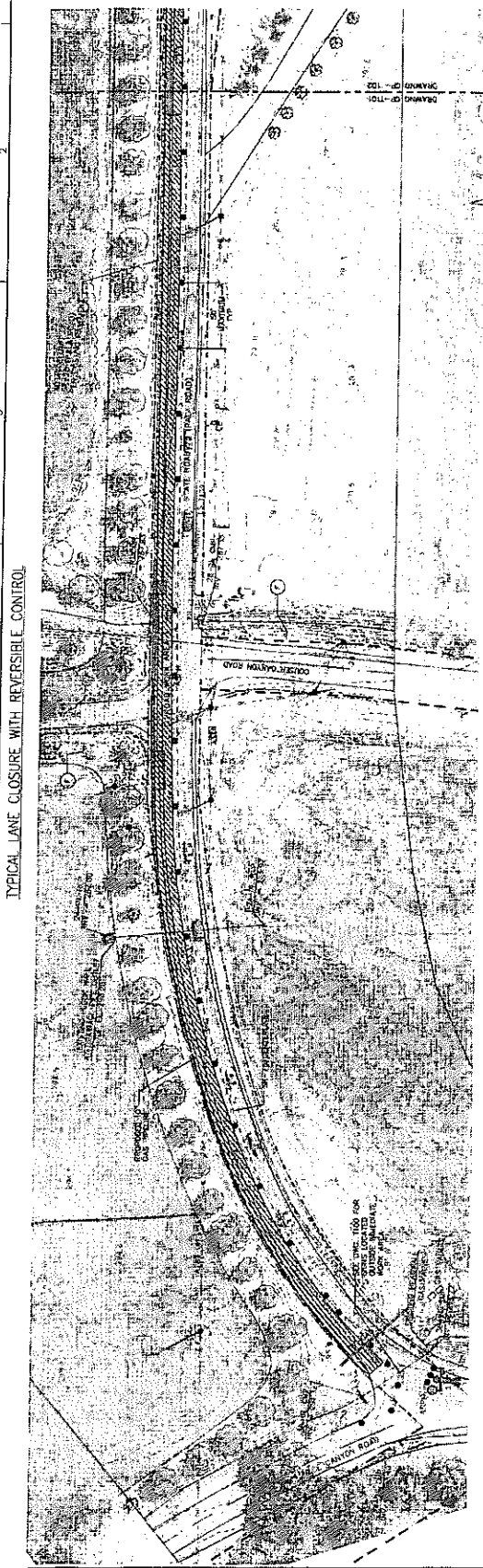
SEGA	Engineers - Architects
	Design - Construction - Field Service
2000 W. 10th St.	
P.O. Box 1000	
SHELTON, CALIFORNIA 94584-1000	

ORANGE GROVE ENERGY L.P.	SCHAUMBURG, IL
--------------------------	----------------

REVISION BY:	DATE:
J. LANGE	07-10-08
T. HEALSLER	07-10-08
OSBERTAG	07-10-08
10000 JEFFERSON ROAD	
SHELTON, CALIFORNIA 94584-1000	
CADD FILE NAME: 07201-1-TITLE.dwg	
DRAWING NO.	07-0098
REV	0
TITLE	TITLE



**TRAFFIC CONTROL**



**TRAFFIC CONTROL LEGEND:**

- TRAFFIC CORE
- ▨ PROPOSED WORK ZONE
- ▭ TEMPORARY TRAFFIC CONTROL SIGN
- CENTER LINE
- ▲ FLASHER
- DIRECTION OF TRAVEL
- ⊗ PREFERRED FLASHING PATTERN
- ⊘ EXISTING SIGN

TABLE 1

APPROACH SPEED	MINIMUM DOWNGRADE	MINIMUM DOWNGRADE	MINIMUM DOWNGRADE
MPH	FT	FT	FT
40	17	67	108
45	20	81	127
50	23	95	146
55	26	109	165
60	29	123	184
65	32	137	203
70	35	151	222
75	38	165	241
80	41	179	260
85	44	193	279
90	47	207	298
95	50	221	317
100	53	235	336
105	56	249	355
110	59	263	374
115	62	277	393
120	65	291	412
125	68	305	431
130	71	319	450
135	74	333	469
140	77	347	488
145	80	361	507
150	83	375	526
155	86	389	545
160	89	403	564
165	92	417	583
170	95	431	602
175	98	445	621
180	101	459	640
185	104	473	659
190	107	487	678
195	110	501	697
200	113	515	716

NOTE: DISTANCES ARE BASED ON A 10% GRADE. DISTANCES MAY VARY BASED ON ACTUAL GRADE.

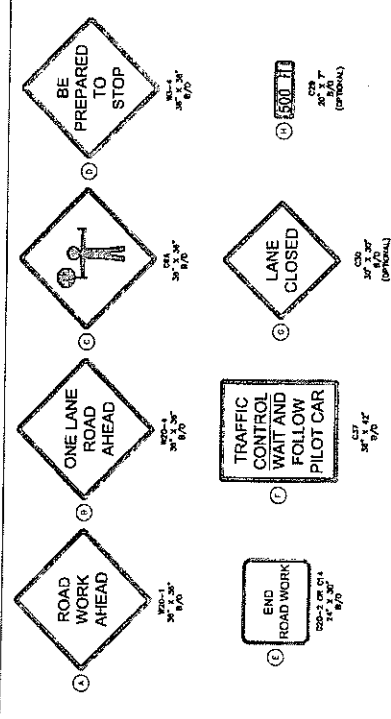
**SPECIAL TRAFFIC REQUIREMENTS**

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES WITHIN WORK ZONE TO MAINTAIN THROUGH TRAFFIC FLOW AND TO MAINTAIN ADEQUATE CLEARANCE FOR TRAFFIC TO PASS THROUGH WORK ZONE.
2. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
3. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
4. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
5. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
6. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
7. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
8. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
9. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.

**TRAFFIC NOTES:**

1. TRAFFIC ADVANCE WARNING SIGN SHALL BE PLACED AT 300 FEET FROM THE START OF THE WORK ZONE.
2. EACH ADVANCE WARNING SIGN IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH AT LEAST TWO FLASHING RED LIGHTS. EACH SIGN SHALL BE PLACED AT THE END OF THE WORK ZONE.
3. ADVANCE WARNING SIGN AS APPROPRIATE SHALL BE PLACED AT THE END OF THE WORK ZONE.
4. THE WORK SIGN SHALL BE PLACED WITHIN 200 FT OF A STATIONARY WORK SIGN.
5. ALL SIGNS USED FOR LANE CLOSURES SHALL BE PLACED AS SPECIFIED IN THE TRAFFIC CONTROL LEGEND.
6. TRAFFIC CORES SHALL BE PLACED AS SPECIFIED IN THE TRAFFIC CONTROL LEGEND.
7. POSITIONAL ADVANCE WARNING SIGN SHALL BE REQUIRED. FLASHER SHOULD BE PLACED AT THE END OF THE WORK ZONE.
8. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.
9. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.
10. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.
11. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.
12. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.
13. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.
14. TRAFFIC CONTROL DEVICES SHALL BE PLACED AT THE END OF THE WORK ZONE.

**KEYNOTES:**



**ORANGE GROVE ENERGY L.P.**  
 SCHEDULE 'P'  
 DESIGNER: T. HEALD, P.E.  
 CHECKER: T. OSTERMAY, P.E.  
 DATE: 6-20-08  
 PROJECT NO: 07-20  
 CASE FILE NO: 07201-08-T01-003

**ORANGE GROVE GAS PIPELINE**  
 TRAFFIC CONTROL

**Sega**  
 Engineers - Architects - Technicians  
 Design - Construction - Field Service  
 16041 Foster  
 P.O. Box 1000  
 Stowell, CA 95958-1000

REVISION NO: 0

DATE: 02/20/15  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS  
 PROJECT NO: 15-001

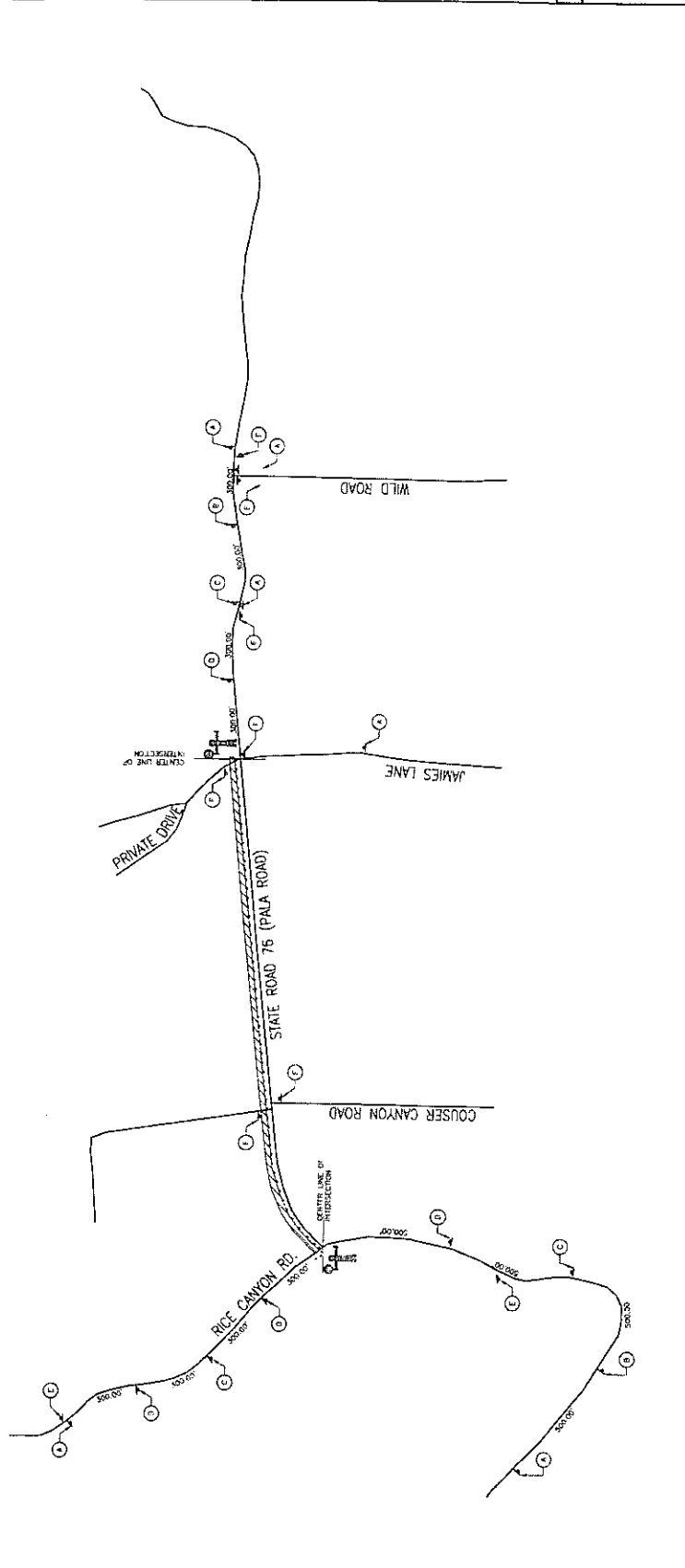
ENGINEER: J. H. HARRIS  
 PROJECT NO: 15-001  
 SHEET NO: 1 OF 1

APPROVED BY: [Signature]  
 TITLE: PROJECT ENGINEER  
 DATE: 02/20/15

**Sego**  
 Engineers - Architects - Technicians  
 Design - Construction - Field Service  
 16041 Foster  
 P.O. Box 10000  
 Shawnee, Kansas 66208-1000

**ORANGE GROVE ENERGY L.P.**  
 Schuylburg, IL

**ORANGE GROVE GAS PIPELINE**  
 TRAFFIC MANAGEMENT PLAN  
 PREPARED BY: J. H. HARRIS  
 CHECKED BY: R. DAVILA  
 DATE: 6-20-05  
 SHEET NO: 07-201  
 PROJECT NO: 07-201  
 DRAWING NO: GP-T100  
 REV: 0



**TRAFFIC CONTROL LEGEND:**

- TRAFFIC CONE
- EMERGENCY WORK ZONE
- EMERGENCY TRAFFIC CONTROL, 57N
- CENTER LINE
- FLAGGER
- DIRECTION OF TRAFFIC
- PORTABLE FLASHING PLACARD
- EMERGENCY DRIVE

**NOTES:**

1. ALL TRAFFIC CONTROL DEVICES, SIGNAGE, AND PLACARDS SHALL BE PLACED IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON TRAFFIC CONTROL.
2. SOLID WORKING SHALL BE SET FOR 100 FT. IN ADVANCE OF WORKING ZONE OTHER THAN ROAD CLOSURE.
3. PORTABLE FLASHING PLACARDS SHALL BE SET FOR 100 FT. IN ADVANCE OF WORKING ZONE AND SHALL BE PLACED AT 100 FT. INTERVALS THROUGHOUT THE WORKING ZONE.
4. TRAFFIC CONTROL ZONE SHALL BE SET FOR 100 FT. IN ADVANCE OF WORKING ZONE AND SHALL BE PLACED AT 100 FT. INTERVALS THROUGHOUT THE WORKING ZONE.
5. THE CALIFORNIA MANUAL ON TRAFFIC CONTROL SHALL BE REFERRED TO FOR FURTHER INFORMATION.

**KEYNOTES:**

- 1. ROAD WORK AHEAD
- 2. ONE LANE ROAD AHEAD
- 3. BE PREPARED TO STOP
- 4. LANE CLOSED
- 5. END ROAD WORK
- 6. TRAFFIC CONTROL WAIT AND FOLLOW PILOT CAR
- 7. 500 FT. ADVANCE WARNING

**TRAFFIC MANAGEMENT PLAN**  
 SCALE: 1" = 100'  
 0 100 200 300 400 500 FEET

**TABLE 1**

SPEED LIMIT (S)	TRAFFIC CONTROL (L)
40 MPH OR LESS	L = 150 FT
45 MPH	L = 150 FT
50 MPH	L = 150 FT
55 MPH	L = 150 FT
60 MPH	L = 150 FT

**NOTES:**

- L = TRAFFIC CONTROL ZONE LENGTH
- S = POSTED SPEED LIMIT IN FEET PER HOUR (MPH)





**ORANGE GROVE ENERGY'S SUPPLEMENTAL TESTIMONY OF  
JOSEPH STENGER REGARDING SOIL AND WATER RESOURCES**

*Q1 Mr. Stenger, please state your name, address, position and qualifications.*

A1 Joseph Stenger  
Project Director  
TRC Companies, Inc  
2666 Rodman Dr.  
Los Osos, CA 93402

Formal Education:

BS in Geology (Earth Sciences) from University of California at Santa Cruz.

Relevant Experience:

I have 23 years of experience in environmental engineering, regulatory compliance and permitting in California. I am a California-licensed Professional Geologist, a California Registered Environmental Assessor, and a Nevada Certified Environmental Manager. My 23 years as an environmental professional includes extensive experience in environmental and regulatory compliance auditing, environmental risk assessment, waste management, hazardous materials, permitting, and remediation for a wide variety of infrastructure and industrial projects, including more than 10 years of experience with power plants and related infrastructure.

*Q2 Please describe the purpose of your testimony.*

A2 The purpose of my testimony is to respond to the Committee's questions regarding soil and water resources. The Committee specifically requested the parties address a discrepancy in the water usage figures between the Soil and Water Resources and Project Alternatives sections of the Staff Assessment.

*Q3 Why are the water usage figures presented in the Alternatives section of the Staff Assessment inconsistent with those in the Soil and Water Resources section of the Staff Assessment?*

A3 The 87.3 acre-feet per year ("AFY") water usage figures in the Alternatives section of the Staff Assessment are erroneous. As discussed in Orange Grove's Opening Brief at page 14 and Commission Staff's Brief In Response to DFI Funding, Inc.'s Comments at page 19, the 87.3 AFY figure from the Alternatives section should be disregarded.

*Q4 What are the correct water usage rates for the Orange Grove Project?*

A4 The correct water usage rates for the project are as follows. The expected water usage rates are 21.1 AFY for fresh water and 12.1 AFY for recycled water. The maximum design water usage rates are 62 AFY for fresh water and 38.7 AFY for recycled water.

Q5 *Where do the correct water usage rates for the Orange Grove Project appear in the record?*

A5 The correct water usage rates appear in the Soil and Water Resources section of the Staff Assessment, at page 4.9-7. These rates also appear in the Water Resources section of the Application for Certification, at section 6.5.2.2.1.

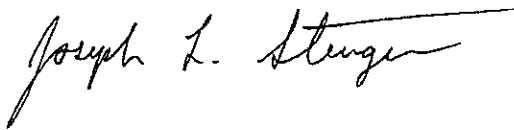
Q6 *Mr. Stenger, where your testimony includes facts, are those facts true and correct to the best of your knowledge?*

A6 Yes.

Q7 *Mr. Stenger, where your testimony include opinions, are those opinions based upon your best professional judgment?*

A7 Yes.

Joseph Stenger



Dated:   March 9, 2009  

Executed At:   Los Osos, CA

**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT  
COMMISSION OF THE STATE OF CALIFORNIA**

**APPLICATION FOR CERTIFICATION  
ORANGE GROVE POWER PLANT**

DOCKET NO. 08-AFC-4

**PROOF OF SERVICE  
(Revised 2/17/09)**

<u>APPLICANT</u>	<u>INTERESTED AGENCIES</u>	<u>ENERGY COMMISSION</u>
<p>Stephen Thome J-Power USA Development 1900 East Golf Rd., Ste. 1030 Schaumburg, IL 60173 <a href="mailto:sthome@jpowerusa.com">sthome@jpowerusa.com</a></p> <p>Mike Dubois J-Power USA Development 1900 East Golf Rd., Ste. 1030 Schaumburg, IL 60173 <a href="mailto:mdubois@jpowerusa.com">mdubois@jpowerusa.com</a></p>	<p>California ISO <a href="mailto:e-recipient@caiso.com">e-recipient@caiso.com</a></p> <p>Steve Taylor San Diego Gas &amp; Electric 8306 Century Park Court San Diego, CA 92123 <a href="mailto:srtaylor@semprautilities.com">srtaylor@semprautilities.com</a></p>	<p>James D. Boyd Vice Chairman and Presiding Member <a href="mailto:jbovd@energy.state.ca.us">jbovd@energy.state.ca.us</a></p> <p>Arthur Rosenfeld Commissioner and Associate Member <a href="mailto:pflint@energy.state.ca.us">pflint@energy.state.ca.us</a></p>
<u>APPLICANT'S CONSULTANT</u>	<u>INTERVENORS</u>	<p>Kenneth Celli Hearing Officer <a href="mailto:kcelli@energy.state.ca.us">kcelli@energy.state.ca.us</a></p> <p>Felicia Miller Project Manager <a href="mailto:fmiller@energy.state.ca.us">fmiller@energy.state.ca.us</a></p>
<p>Joe Stenger, PG, REA TRC 2666 Rodman Drive Los Osos, CA 93402 <a href="mailto:jstenger@trcsolutions.com">jstenger@trcsolutions.com</a></p>	<p>Anthony J. Arand 219 Rancho Bonito Fallbrook, CA 92028 <a href="mailto:tony@envirepel.com">tony@envirepel.com</a></p>	
<u>COUNSEL FOR APPLICANT</u>	<p>Alliance for a Cleaner Tomorrow (ACT) c/o Arthur S. Moreau Klinedinst.PC 501 West Broadway, Ste. 600 San Diego, CA 92101 <a href="mailto:amoreau@klinedinstlaw.com">amoreau@klinedinstlaw.com</a></p> <p>Archie D. McPhee 40482 Gavilan Mountain Rd. Fallbrook, CA 92028 <a href="mailto:Archied1@earthlink.net">Archied1@earthlink.net</a></p>	<p>Jared Babula Staff Counsel <a href="mailto:jbabula@energy.state.ca.us">jbabula@energy.state.ca.us</a></p> <p>Public Adviser's Office <a href="mailto:publicadviser@energy.state.ca.us">publicadviser@energy.state.ca.us</a></p>
<p>Jane E. Luckhardt Downey Brand, LLP 621 Capitol Mall, 18<sup>th</sup> Floor Sacramento, CA 95814 <a href="mailto:jluckhardt@downeybrand.com">jluckhardt@downeybrand.com</a></p> <p>Wayne Song Morgan, Lewis &amp; Bockius LLP 300 S. Grand Ave., 22<sup>nd</sup> Floor Los Angeles, CA 90071 <a href="mailto:wsong@morganlewis.com">wsong@morganlewis.com</a></p>		

**Declaration of Service**

I, Lois Navarrot, declare that on March 9, 2009, I served and filed copies of the attached **ORANGE GROVE ENERGY, L.P.'S SUPPLEMENTAL TESTIMONY ON LAND USE, SOIL AND WATER, AND TRAFFIC AND TRANSPORTATION**. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [www.energy.ca.gov/sitingcases/orangegrovepeaker](http://www.energy.ca.gov/sitingcases/orangegrovepeaker). The document has been sent to both the other parties in this proceeding (as shown on the Proof of Service List) and to the Commission's Docket Unit, in the following manner:

**(check all that apply)**

**For Service to All Other Parties**

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, California with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service List above to those addresses **NOT** marked "email preferred."

**AND**

**For Filing with the Energy Commission**

sending an original paper copy and one electronic copy, mailed and e-mailed respectively, to the address below (preferred method);

**OR**

depositing in the mail an original and 12 paper copies as follow:

California Energy Commission  
Attn: Docket No. 08-AFC-4  
1516 Ninth Street, MS-4  
Sacramento, CA 95814-5512

[docket@energy.state.ca.us](mailto:docket@energy.state.ca.us)

I declare under penalty of perjury that the foregoing is true and correct.

  
\_\_\_\_\_  
Lois Navarrot