

TO: James L. App, City Manager

FROM: Bob Lata, Community Development Director

SUBJECT: Traffic Engineering Contract – State Highways 101 & 46 West

DATE: October 4, 2005

Needs: For the City Council to consider authorizing the City Manager to enter into an Agreement for Traffic Engineering Services in relation to interim steps towards the interchange improvements at State Highways 101 and 46 West.

Facts:

1. The City has completed a Project Study Report (PSR) that outlines interchange options at the intersection of State Highways 101 and 46 West.
2. The PSR identifies four alternative designs for the ultimate interchange project. Each alternative involves projects that could conceivably be implemented separately, rather than constructed as one comprehensive project.
3. The City has received a proposal from Associated Transportation Engineers to evaluate three interim project scenarios for their effectiveness in alleviating current traffic congestion and providing capacity for additional land development within the City.

**Analysis
and**

Conclusion: The Project Study Report for interchange improvements at the intersection of State Highways 101 and 46 West provides a number of design options. Each of these options is comprised of road improvements that could conceivably be implemented on an interim basis. While it is likely to be many years before the ultimate interchange improvements are made, interim highway improvement projects will be considered that will implement portions of the ultimate interchange program.

The consideration of the interim projects must include an evaluation of their effectiveness when implemented. It is necessary to determine how long each interim project would be effective until traffic volumes increase so that additional improvements are required. It is necessary to evaluate how much additional traffic could be accommodated by each interim improvement in order to determine the future land development capabilities within the City in the Highway 101-46 West area.

Policy

Reference: Circulation Element of the General Plan

Fiscal

Impact: \$13,500 from the approved CIP Program Budget for transportation projects

Options:

- a.** Adopt Resolution No. 05-xx authorizing the City Manager to enter into an Agreement for Traffic Engineering Services with Associated Transportation Engineers in relation to interchange improvements at State Highways 101 and 46 West for a not-to-exceed fee of \$13,500.
- b.** Amend, modify, or reject the above option.

Attachments (2)

1. Proposal for Services
2. Resolution

**ASSOCIATED TRANSPORTATION ENGINEERS**

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • FAX (805) 682-8509

Richard L. Pool, P.E.
Scott A. Schell, AICP

September 22, 2005

05647P02.WP

John Falkenstein
City of Paso Robles
1000 Spring Street
Paso Robles, CA 93446***PROPOSAL TO PREPARE A TRAFFIC ANALYSIS FOR THE REALIGNMENT OF VINE STREET AND OTHER SCENARIOS, CITY OF PASO ROBLES***

Associated Transportation Engineers (ATE) proposes to prepare a traffic analysis for the evaluation of the realignment of Vine Street and other scenarios in the vicinity of the Highway 46 West/Highway 101 interchange. The scenarios to be evaluated are the realignment of Vine Street to connect to Highway 46 opposite Gahan Place west of the interchange; the Vine Street realignment and the cul de sacking of Theatre Drive south of Highway 46 and routing the traffic via Gahan Place; realigning Vine Street and constructing a roundabout at Highway 46/Theatre Drive/Route 101 southbound ramps.

ATE will use the most current traffic forecasts for the Near Term (Existing + Approved Project) and adjust the volumes for each of the scenarios. Levels of service will be calculated for the interchange for the Weekday P.M. peak, as well as Friday and Saturday peak periods. The levels of service will assume the near term improvements that are planned for the interchange. The results for Scenario 1 (Vine Street only) will be compared to the existing configuration to assess the benefits of the realignment. Scenarios 2 (Vine + Theatre) and Scenario 3 (Vine + roundabout) will also be evaluated for 10 years after completion. To the extent possible, ATE will utilize data from the PSR. A report summarizing the results of the evaluations will be prepared and submitted to the City of Paso Robles.

SCOPE OF WORK

Associated Transportation Engineers proposes to furnish the traffic engineering and related technical services necessary for the evaluation. The services to be provided are outlined in the following tasks.

1. Assemble existing data related to the study.
2. Reassign the Near Term traffic volumes (Existing + Approved) for the Weekday P.M. peak, Friday peak and Saturday peak periods for each scenario.
3. Calculate level of service for the Highway 46/Highway 101 interchange for the Weekday P.M. peak, Friday peak and Saturday peak periods for each scenario. Level of service calculations will assume the near term improvements that are planned for

John Falkenstein

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the interchange. Queue lengths will be determined at the critical locations within the interchange area.

4. Compare the results to the existing configuration. Estimate the number of additional trips that could be added to the interchange with this scenario.
5. Prepare the 10 Year traffic volume forecast for the affected intersections. Assign the 10 Year volumes to the intersections for Scenarios 2 and 3.
6. Calculate level of service for the 10 Year period for Highway 46/Highway 101 interchange for the Weekday P.M. peak, Friday peak and Saturday peak periods for each scenario. Level of service calculations will assume the near term improvements that are planned for the interchange. Queue lengths will be determined at the critical locations within the interchange area.
7. Compare the results to the existing configuration. Estimate the number of trips that could be added to the interchange for each of these scenarios.
8. Prepare traffic signal warrant analysis for Vine Street/Highway 46 for each scenario.
9. Prepare and submit the results of the traffic analysis to the City of Paso Robles.

PERSONNEL

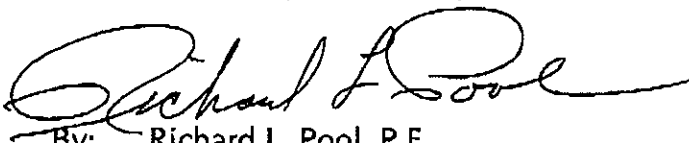
Richard L. Pool, P.E., will be the principal in charge of the proposed traffic study and Dan Dawson will be Project Manager responsible for the technical analyses and report preparation.

SCHEDULE AND FEES

ATE can begin work on the traffic study after October 3, 2005, and the report will be completed within 15 to 20 working days after receipt of authorization. The lump-sum fee for the study will be \$ 13,650. Additional items not covered by the above scope of work will be treated as extra work pursuant to the attached fee schedule (September 2005) when authorized in writing by the City of Paso Robles.

Payment for services completed will be due within 30 days of submittal of invoices. This proposal is valid for a period of 30 days. We appreciate your consideration of ATE and look forward to beginning work on the project.

Associated Transportation Engineers


By: Richard L. Pool, P.E.
President

RLP/DLD

Attachments: Fee Schedule (September 2005)



ASSOCIATED TRANSPORTATION ENGINEERS

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FEE SCHEDULE

(September, 2005)

Principal Engineer	\$160.00 per hour
Civil Engineer II	\$90.00 per hour
Civil Engineer I	\$80.00 per hour
Engineering Technician	\$80.00 per hour
Transportation Engineer I	\$70.00 per hour
CAD Operator II	\$60.00 per hour
CAD Operator I	\$55.00 per hour
Principal Planner	\$140.00 per hour
Supervising Transportation Planner	\$125.00 per hour
Transportation Planner III	\$110.00 per hour
Transportation Planner II	\$85.00 per hour
Transportation Planner I	\$70.00 per hour
Traffic Technician III	\$65.00 per hour
Traffic Technician II	\$60.00 per hour
Traffic Technician I	\$55.00 per hour
Traffic Counter	\$35.00 per hour
Administrative Accountant	\$75.00 per hour
Office Administrator	\$65.00 per hour
Clerk Typist	\$40.00 per hour

Travel, Per Diem, and other miscellaneous expenses are invoiced as separate fee items.

RESOLUTION NO. 05-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AUTHORIZING THE CITY MANAGER TO ENTER INTO AN AGREEMENT WITH
ASSOCIATED TRANSPORTATION ENGINEERS FOR TRAFFIC EVALUATION IN
THE VICINITY OF STATE HIGHWAYS 101 AND 46 WEST

WHEREAS, the City has completed a Project Study Report that outlines interchange options at the intersection of State Highways 101 and 46 West; and

WHEREAS, the City desires to explore interim project options leading up to full implementation of the alternatives outlined in the Project Study Report; and

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of El Paso de Robles does hereby authorize a one time appropriation in the amount of \$13,650 from the Highway 101 – 46 West Assessment District Fund Budget Account No. 309-710-5224-222 for the City Manager to enter into a contract with Associated Transportation Engineers for Traffic Engineering Consulting Services to evaluate interim project alternatives at State Highways 101 and 46 West.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 4th day of October 2005 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Frank R. Mecham, Mayor

ATTEST:

Sharilyn M. Ryan, Deputy City Clerk