



May 9, 2012

Kris Balaji
Jacobs Engineering
180 Promenade Circle, Suite 300
Sacramento, CA 95834

Re: North County Corridor Project Addendum #3

Dear Mr. Balaji:

This letter presents the addendum to scope and fee for the environmental phase of the North County Corridor Project. The work scope is divided into two sections. The first section pertains to the ultimate build project (SR 99 to SR 120/McHenry Avenue), while the second section pertains to the first constructible phase of the project (McHenry Avenue to SR 120/108).

WORK SCOPE FOR ULTIMATE PROJECT (SR 99 TO SR 120/108)

Our original work scope included the evaluation of a No Build and three project alternatives. In Addendum #2 the number of project alternatives to study was increased from three to four.

The traffic study currently evaluates a no build and six project alternatives (1A, 1B, 1C, 2A, 2B, and 2C). As part of our effort in Addendum #2 we were able to confirm through some modeling sensitivity analysis that from a traffic perspective project alternatives 1B and 1C resulted in very similar traffic behavior. The same is true for project alternatives 2B and 2C. Therefore, while the traffic study shows six project alternatives it was only necessary to do complete analysis on four project alternatives (1A, 1B/1C, 2A, 2B/2C) since the traffic results for sub-alternatives B and C are the same from a traffic perspective.

Fehr & Peers is being asked to add a new project alternative (Hybrid Alternative) to the traffic analysis. The Hybrid Alternative follows the same roadway alignment as Project Alternative 2 from SR 99 to Eleanor Avenue and Project Alternative 1A from Eleanor Avenue to SR 120/108.

Traffic Forecasting (WBS 160.10.10)

WBS 160.10.10 – Prepare Traffic Forecasts (SR99 to SR120/108)

Fehr & Peers is currently scoped to evaluate a No Project and 4 Project Alternatives. This addendum will add one additional Project Alternative for a total of 5 Project Alternatives.

Traffic forecasts for the five current alternatives (no project and four project alternatives) have already been reviewed and approved by the local agencies and Caltrans. Fehr and Peers will prepare a new draft technical memorandum that specifically presents information for the 5th Project Alternative. The same information (opening year daily forecasts, design year daily forecasts, etc.) that has been provided for the 4 project alternatives in our current work scope will be provided for the 5th project alternative.

Fehr & Peers will submit the technical memorandum summarizing the traffic forecasts for review and approval by the PDT. Once approved, Fehr & Peers will proceed with the technical evaluation of the new alternative.

WBS 160.10.35 – Perform Daily Volume to Capacity Analysis (SR99 to SR120/108)

The current scope assumes a No Project and 4 Project Alternatives. Fehr & Peers will add a 5th project alternative for analysis. The same information (v/c ratio, LOS, etc.) provided for the 4 project alternatives in our current scope will be provided for the 5th project alternative.

Traffic Planning Report (WBS 160.10.70)

WBS 160.10.70 – Prepare Traffic Reports (SR99 to SR120/108)

An Administrative Draft Transportation System Analysis Report has already been submitted to the local agencies for review and comment. Fehr & Peers proposes to update the report to include the forecasting and analysis for the 5th project alternative. An updated Administrative Draft Report will be prepared and resubmitted to the local agencies for review and comment prior to submitting the Draft Report to Caltrans for their review and comment.

WORK SCOPE FOR FIRST PROJECT PHASE (MCHENRY AVENUE TO SR 120/108)

Our original work scope included the evaluation of a No Project and three first phase project alternatives. To date, no changes have been made to the original work scope.

We have been asked to add two additional first phase project alternatives. The limits of the two additional first phase project alternatives will also be from about McHenry Avenue to SR 120/108. The exact project limits of the first phase have not yet been defined for any of the project alternatives.

Traffic Forecasting (WBS 160.10.10)

WBS 160.10.10 – Prepare Traffic Forecasts (McHenry Ave to SR120/108)

Fehr & Peers is currently scoped to evaluate a No Project and 3 Project Alternatives. This addendum will add two additional project alternatives for a total of 5 Project Alternatives.

Similar to the current scope opening year and design year peak hour (AM and PM) traffic forecasts (intersection and roadway) will be developed for the 2 additional project alternatives. Peak hour traffic forecasts will be developed for the same intersections and roadway segments evaluated in the *Final Existing Conditions Report North County Corridor Phase 1 PAVED* (March 2011). Fehr & Peers will include the 2 additional project alternatives in the technical memorandum summarizing the traffic forecasts for review and approval by the PDT. Once approved, Fehr & Peers will proceed with the technical evaluation of the alternatives.

Traffic Operational Analysis (WBS 160.10.35)

WBS 160.10.35 – Perform Traffic Operations Analysis (McHenry Ave to SR120/108)

The current scope assumes a No Project and 3 Project Alternatives are evaluated. Fehr & Peers will add 2 more project alternative for analysis. The same level of analysis provided for the 3 project alternatives in our current scope will be provided for the 2 additional project alternatives.

Traffic Planning Report (WBS 160.10.70)

WBS 160.10.70 – Prepare Traffic Reports (McHenry Ave to SR120/108)

Fehr & Peers will include the 2 additional project alternatives in the Traffic Operations Report to the same level of detail as the other 3 project alternatives in our current scope. The 2 additional project alternatives will be included in the Administrative Draft, Draft, and Final Report.

FEE

The total fee for this effort is \$102,060 (see spreadsheet on next page). Please let me know if you need additional information or have any questions.

Sincerely,

FEHR & PEERS



Eddie Barrios, P.E.
Senior Associate

Fehr & Peers Hours By Person					
	Principal	Senior Associate	Senior Engineer	Support	Cost
Billing Rates	\$230	\$200	\$150	\$110	
Program Level Analysis (SR 99 to SR 120/108)					
Direct Labor Costs					
WBS 100 - Project Management	0	0	0	0	\$ -
WBS 160.05.20 - Collect Traffic Data	0	0	0	0	\$ -
WBS 160.05.25 - Review Geometrics and Project Alternatives	0	0	0	0	\$ -
WBS 160.10.10 - Prepare Traffic Forecasts	4	30	60	8	\$ 16,800
WBS 160.10.35 - Perform Traffic Operations Analysis	0	4	32	4	\$ 6,040
WBS 160.10.70 - Prepare Traffic Reports	4	8	16	4	\$ 5,360
Sub-Total Direct Labor Costs	8	42	108	16	\$ 28,200
Other Direct Costs					
Mileage					\$ -
Printing/Reproduction					\$ 850
Communications (Phone, Fax, e-mail)					\$ 850
Postage and Express Mail					\$ -
Traffic Counts					\$ -
Sub-Total Other Direct Costs					\$ 1,700
First Phase Level Analysis (McHenry to SR 120/108)					
Direct Labor Costs					
WBS 100 - Project Management	0	0	0	0	\$ -
WBS 160.05.20 - Collect Traffic Data	0	0	0	0	\$ -
WBS 160.05.25 - Review Geometrics and Project Alternatives	0	16	8	0	\$ 4,400
WBS 160.10.10 - Prepare Traffic Forecasts	4	30	66	4	\$ 17,260
WBS 160.10.35 - Perform Traffic Operations Analysis	8	40	120	6	\$ 28,500
WBS 160.10.70 - Prepare Traffic Reports	8	52	32	8	\$ 17,920
Sub-Total Direct Labor Costs	20	138	226	18	\$ 68,080
Other Direct Costs					
Mileage					\$ -
Printing/Reproduction					\$ 2,040
Communications (Phone, Fax, e-mail)					\$ 2,040
Postage and Express Mail					\$ -
Traffic Counts					\$ -
Sub-Total Other Direct Costs					\$ 4,080
Total Cost					\$ 102,060