



**CITY OF PLANO
COUNCIL AGENDA ITEM**

CITY SECRETARY'S USE ONLY				
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory				
Council Meeting Date:		09/09/13		
Department:		Engineering		
Department Head		Gerald P. Cosgrove, P.E.		
Agenda Coordinator (include phone #):			Kathleen Schonke (7198)	
			Project No. 5283	
CAPTION				
<p>To approve and authorize Contract Modification No. 3 for the purchase of Professional Engineering Services for the additional design requirements of Preston Road and Plano Parkway Intersection Improvements project in the amount of \$66,992 from Parsons Brinckerhoff, Inc. and to authorize the City Manager or his designee to execute all related documents.</p>				
FINANCIAL SUMMARY				
<input type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input checked="" type="checkbox"/> CIP				
FISCAL YEAR: 2012-13	Prior Year (CIP Only)	Current Year	Future Years	TOTALS
Budget	0	155,000	45,000	200,000
Encumbered/Expended Amount	0	-87,441	0	-87,441
This Item	0	-66,992	0	-66,992
BALANCE	0	567	45,000	45,567
FUND(S): STREET IMPROVEMENT CIP				
<p>COMMENTS: Funds are included in the FY 2012-13 Street Improvement CIP. This item, in the amount of \$66,992, will leave a current year balance of \$567 for Preston Road at Plano Parkway Intersection Improvements project.</p>				
<p>STRATEGIC PLAN GOAL: Professional engineering services to prepare construction drawings and documents for intersection improvements relates to the City's Goals of Financially Strong City with Service Excellence and Great Neighborhoods – 1st Choice to Live.</p>				
SUMMARY OF ITEM				
<p>Additional engineering design services in the amount of \$66,991.65 are necessary to complete the construction documents for the Preston Road and Plano Parkway Intersection Improvements project. This modification will provide for the conversion to a conventional left turn movement for Preston Road onto Plano Parkway from the proposed median left turn design.</p>				
<p>The original contract amount was \$224,941.15. The Engineering Department is seeking City Council approval of this third modification because the amount of the modification increase exceeds \$50,000.00 and will exceed 25% of the original contract amount. The revised contract amount is \$329,009.40.</p>				
List of Supporting Documents:			Other Departments, Boards, Commissions or Agencies	
Contract Modification No. 3			N/A	

CONTRACT MODIFICATION

PRESTON ROAD AND PLANO PARKWAY INTERSECTION IMPROVEMENTS (TXDOT) PHASE II

PROJECT NO. 5283

PURCHASE ORDER NO. 103074

CIP NO. 31410

This shall serve as a Third Modification to the Contract between the City of Plano, Texas (hereinafter "City"), and **PARSONS BRINCKERHOFF, INC.** (hereinafter "Consultant"), dated **July 27, 2006**, for Professional Engineering Services for the referenced project (hereinafter "Project").

Services:

The project will be constructed as originally designed with the median crossovers. However, the standard left turns at the intersection will now be allowed as well, so that the motorist will have a choice to either enter the left turn lane or use the median crossover. The existing left lanes from Preston Road onto Plano Parkway will be left open rather than eliminating them by pavement markers. The median crossovers will no longer be signalized. Modifications will be required as follows:

Categorical Exclusion

The following efforts are required to complete the environmental document:

- Revisions to the project description and associated text, to account for changes in project design, including revisions to appended graphic exhibits;
- Revisions and additions to document text, tables and exhibits to comply with and incorporate TxDOT's Standards of Uniformity (SOU) for Categorical Exclusions;
- Revisions to project planning references throughout document to be consistent with current listings of the proposed project in the TIP and RTP;
- Review of project area land use and community facilities and features (by desktop review or available aerial photos, maps and data) and incorporation of observed changes into CE document;
- Update and revision of socioeconomic, limited English proficiency, and environmental justice analysis to incorporate new data from the 2010 U.S. Census and the 2007-2011 American Community Survey (U.S. Census Bureau);

- Review updated FEMA floodplain map and revise document text accordingly;
- Review most recent approved Texas 303(d) list for surface waters and update and revise document text accordingly;
- Query the Texas Parks and Wildlife Department's (TPWD) Natural Diversity Database (NDD) for elements of occurrence and managed areas, research US Fish & Wildlife Service and TPWD listings of threatened and endangered species for Collin County, and incorporate findings into document text and tables;
- Update and revise air quality discussion per current TxDOT MSAT and air quality guidance; no MSAT or air quality analysis is anticipated in this scope of work;
- Obtain new hazardous materials database search report and review for previously unreported sites or changes in reported site status; complete ISA Standard of Submission document; conduct site survey to verify changes in project area environment that could potentially affect project if such changes are indicated by aerial photos or database search report (if changes are indicated, site survey under this scope of work will be conducted by local engineering staff; if conditions require travel to the site by the hazardous materials specialist, a supplement to the scope or work will be required); update and revise CE document accordingly;
- Revision and editing of text, tables and exhibits throughout document for internal consistency and general consistency with changed conditions, revised project design and updated state and federal guidance;
- Pre-submittal quality review of CE document: initial submittal and after each TxDOT/FHWA review (listed below);
- Address comments from TxDOT Dallas District (1 review);
- Address comments from TxDOT Environmental Affairs (1 review); and
- Address comments from Federal Highway Administration (1 review)

All work associated with these additional services shall conform to the applicable requirements of TxDOT, FHWA and the City of Plano.

Assumptions:

- Incorporation of updated traffic data is not included;
- Incorporation of updated population estimates and projections for the City of Plano to address regional and community growth is not included;
- No additional work involving Section 4(f), Wetlands and Waters of the US, Wildlife Habitat and Vegetation, Historic Resources, Archeological Resources, Visual Quality, Farmland, Traffic Noise, Construction Impacts, or Indirect and Cumulative Impacts is anticipated to be necessary to address project design changes, updated guidance, or changed conditions; consequently, these categories of work are not included in this scope of services.

Traffic Analysis:

Future Year 2020 traffic volumes previously provided for Plano Parkway schematic in 2008 will be used for traffic operational analysis. With peak hour traffic volumes, the intersection will be analyzed using Synchro software and HCM 2000 methodologies for proposed capacity and operational improvements for 2013 and 2020 only. Turn-lane lengths, signal phasing and timing plans will be developed. Final recommendations will be reviewed with the City. A staged approach for implementing improvements will be proposed if feasible. The consultant will provide before/after project LOS.

Based on approved improvements, the schematic will be modified and updated.

Schematic

The schematic plan will be revised to reflect adding the conventional left turn movement. The revisions will include typical sections, signs, signals, and pavement markings. TxDOT and City of Plano comments will be incorporated.

Assumptions:

- Consultant will not modify any horizontal and vertical alignments.
- Consultant will use design year 2020 traffic volumes per direction of the City of Plano.
- The currently designed left turn median cross over U-Turns shall be shown for construction at the pavement width currently indicated on the approved schematic but shall be marked for a single traffic lane rather than two lanes. This will require revising the pavement markings.

Basic Design (60%, 95%, 95% Resubmittal and 100% Final PS&E)

- Consultant will provide general project administrative and management services.
- Consultant will revise typical sections, summary sheets, summary of small signs, traffic signal plans, signing, and pavement markings plans.
- Consultant will provide an updated opinion of probable construction cost.
- Consultant will update or revise the paving plans, grading plans, removal plans, drainage plans, utility plans, traffic control plans, sequencing and temporary drainage plans, street light foundations, SWPPP, narrative, EPIC , Cross sections to incorporate TxDOT and City comments.

Assumptions:

- Consultant will attend up to two coordination meetings with TxDOT, Dallas District and the City of Plano.
- Consultant will make up to two site visits.
- The currently designed left turn median cross over U-Turns shall be shown for construction at the pavement width currently indicated on the approved schematic but shall be marked for a single traffic lane rather than two lanes. This will require revising the pavement markings.
- No TDLR inspection is required, per direction of the City of Plano

Such services shall be completed according to the overall project schedule.

Compensation:

For additional services provided pursuant to this Modification, City shall pay Consultant an amount not to exceed \$66,991.65. Such payment shall be made in accordance with the payment terms specified in the Contract. See Attachment A for breakdown of fee amounts to individual task categories.

In the event of any conflict or inconsistency between the provisions set forth in this Modification and the Contract, this Modification shall govern and control. For and in consideration of the covenants, duties and obligations herein contained, the parties do mutually agree that except as provided above, all other terms and conditions of the Contract shall remain unchanged and in full force and effect.

Original Contract Amount	\$224,941.15
Contract Amount (Including Previous Modifications)	\$262,017.75
Amount, Modification No. 3	<u>\$66,991.65</u>
Revised Contract Amount	\$329,009.40
Total Percent Increase Including Previous Modifications	<u>46.26%</u>

Authority to Sign:

The undersigned officers and/or agents of the parties hereto are the properly authorized officials and have the necessary authority to execute this Agreement on behalf of the parties hereto.

CITY OF PLANO
OWNER

PARSONS BRINCKERHOFF, INC.
CONSULTANT

By: _____
(signature)

By:  _____
(Signature)

Print
Name: Bruce D. Glasscock.

Print
Name: Robert M. Brown, P.E.

Print
Title: City Manager

Print
Title: Vice President

Date: _____

Date: 9/29/13

APPROVED AS TO FORM:

BY: _____
Diane C. Wetherbee
City Attorney

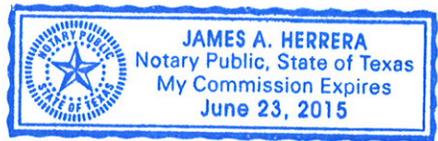
ACKNOWLEDGMENTS

STATE OF TEXAS §
 §
COUNTY OF DALLAS §

This instrument was acknowledged before me on the 28TH day of AUGUST, 2013, by **ROBERT M. BROWN, P.E., VICE PRESIDENT** of **PARSONS BRINCKERHOFF, INC.**, a New York corporation, licensed to do business in the State of Texas, on behalf of said corporation.



Notary Public, State of Texas
James A. Herrera



STATE OF TEXAS §
 §
COUNTY OF COLLIN §

This instrument was acknowledged before me on the _____ day of _____, 2013, by **BRUCE D. GLASSCOCK, CITY MANAGER** of the **CITY OF PLANO, TEXAS**, a Home-Ruled Municipal Corporation, on behalf of said municipal corporation.

Notary Public, State of Texas

Attachment A

Adjustments to existing fee amounts for individual task categories shall be as follows:

Task Description	Contract Amount Including Contract Modifications No. 1 and No. 2	Contract Amount Adjustment per Contract Modification No. 3	Total Contract Amount with Contract Modification No. 3
1. Route Schematic	\$19,233.90	\$28,743.72	\$47,977.62
2. Right of Way & Utility Adjustments	\$15,257.00	\$2,094.91	\$17,351.91
3. Field Surveying	\$24,819.00	-\$5,169.78	\$19,649.22
4. Roadway Design	\$33,578.80	\$43,889.57	\$77,468.37
5. Drainage	\$10,621.60	-\$4,637.82	\$5,983.78
6. Signing, Pavement Markings & Traffic Signalization	\$48,322.10	\$2,317.28	\$50,639.38
7. Miscellaneous Roadway	\$28,721.10	\$838.85	\$29,559.95
8. Bid Phase Studies	\$6,991.20	0	\$6,991.20
9. Environmental Studies	\$17,636.20	\$16,218.74	\$33,854.94
10. Project Administrative Services	\$15,712.40	\$3,007.16	\$18,719.56
11. Construction Phase Services	\$12,963.90	0	\$12,963.90
12. Expenses	<u>\$28,160.55</u>	<u>-\$20,310.98</u>	<u>\$7,849.57</u>
TOTAL	\$262,017.75	\$66,991.65	\$329,009.40