Partners for a Better Quality of Life

August 10, 2015

Attn: Tracy Homfeld, PE
Assistant Director
Collin County Engineering Department
4690 Community Ave., Suite 200
McKinney, TX 75071

RE: FM 2551 (FM 2514 to FM 2170) – Supplemental No. 1
CP&Y Project No: COLC1201.00

Dear Ms. Homfeld:

Per previous discussions CP&Y, Inc. requests Supplemental No. 1 pertaining to Agreement No. 08345-12. The purpose of the Supplemental is request additional fees for:

- Environmental Re-Evaluation for FM 2551 from FM 2514 to FM 2170.
- New/Additional topographic information due to new development along project corridor.
- Direct Costs related to field work for Environmental Re-Evaluation.

We have attached a scope and fee document which adds to the original Exhibit A "Services to be Provided by the Engineer" and Exhibit B "Summary of Manhours". The total fee for Supplemental No. 1 is $135,837.00.

We greatly appreciate your assistance concerning this matter. Should there be any questions or additional information needed, I can be reached at tcochill@cpyi.com or 214.638.0500.

Respectfully,

Thomas E. T. Cochill, P.E.
Project Manager

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Dallas, Texas 75235
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Function Code 120 – Environmental Documentation

The Engineer shall conduct an environmental study (written re-evaluation of an environmental assessment) and prepare project specific technical reports to support an environmental decision. The Engineer shall prepare documents in accordance with current state and federal laws, regulations, policies and agreements between the State and other state or federal agencies, FHWA and AASHTO guidelines, and the State's toolkits and guidance published by the State's Environmental Affairs Division which are in effect as of the date of execution of this work authorization.

120.1 Technical Reports

Technical reports will be prepared that will address changes that have occurred since the date of the Finding of No Significant Impact. They will have sufficient detail and clarity to support environmental determination(s). Final technical reports will become the basis for the EA Re-evaluation (and summarized/referenced in the environmental document, as appropriate). Environmental technical reports will include appropriate National Environmental Policy Act of 1969 (NEPA) or federal regulatory language. Exhibits to be included in technical reports shall not exceed 11" by 17," and shall be in color.

120.1.1 Community Impact Assessment Technical Report

The Engineer shall prepare a Community Impact Assessment Technical Report which shall conform to applicable current State and FHWA guidance, including Community Impact Assessment: A Quick Reference for Transportation.

The Engineer shall:

1) Identify existing and proposed land uses.

2) Identify land use impacts, including relocations and disproportionate impacts.

3) Identify Section 4(f) or 6(f) parklands or wildlife refuges in the study area and determine whether a Section 4(f) or 6(f) evaluation is required for the proposed project.

4) Determine consistency with federal, state, and local plans and policies.

5) Evaluate changes in neighborhood and community cohesion.

6) Determine changes in access.

7) Identify racial, ethnic and income levels of affected individuals and communities to determine any disproportionate impacts on minority or low-income communities.

8) Perform an environmental justice analysis in conformance with Executive Order 12898.

9) Identify populations with Limited English Proficiency and demonstrate compliance with Executive Order 13166.

NOTE: If it is determined that the project will impact Section 4(f) or Section 6(f) resources beyond a de minimus impact concurrence, then a supplement work authorization would be required to prepare detailed Section 4(f) and/or Section 6(f) evaluations.

Deliverables:

1) Draft and Final Community Impact Assessment Technical Report

120.1.2 Air Quality Technical Report

The Engineer shall prepare an air quality analysis in accordance with the State's Environmental Handbook for Air Quality, Air Quality SOP, and Air Quality SOU. Collin County is currently non-attainment for Ozone. The following information will be included in the Air Quality Technical Report:

1. A statement providing the name of the nonattainment area, details on the nonattainment pollutants and nonattainment classification of Collin County.
2. A statement indicating whether or not the project has been included in, and is consistent with, the current conforming metropolitan transportation plan (MTP). If it is not consistent with the MTP, the Engineer will coordinate with Collin County and TxDOT to determine whether the MTP can by updated, whether bridging language is needed, or whether the project will need to be revised.
3. A qualitative Mobile Source Air Toxics Analysis shall be completed as part of the Air Quality Technical Report.

Deliverables:

1) Draft and Final Air Quality Technical Report

120.1.3 Traffic Noise Analysis

The Engineer shall conduct a traffic noise study and prepare a Traffic Noise Analysis Technical Report in accordance with 23 CRF 772 and the State's Guidelines for Analysis and Abatement of Highway Traffic Noise. The Engineer shall identify adjacent, land use development and photo-document representative receivers that might be impacted by highway traffic noise and may benefit from feasible and reasonable noise abatement. The Engineer shall determine existing and predicted noise levels for representative receivers by taking ambient noise readings and modeling existing noise levels and predicted (future) noise levels using the latest FHWA approved Traffic Noise Model (TNM) software program. The Engineer shall identify impacted receivers in accordance with the absolute and relative impact criteria; consider and evaluate all required noise abatement measures for impacted receivers in accordance with the feasible and reasonable criteria; and propose noise abatement measures that are both feasible and reasonable. The Engineer shall determine predicted (future) noise impact contours for transportation activities where there is adjacent undeveloped property where residential or commercial development is likely to occur in the near future.

NOTE: The Engineer shall confirm existing conditions with the State based on on-going noise studies and workshops in the corridor. Noise workshops, if needed, will be performed under a supplemental work authorization.

Deliverables:

1) Draft and Final Traffic Noise Study and associated Technical Report

120.1.4 Water Resources Technical Report

The Engineer shall prepare a Water Resources Technical Report that includes an assessment of the impacts of the project on water resources in the study area. The Engineer shall use the State's current

guidance for assessing impacts to water resources, including but not limited to floodplains, waters of the U.S., wetlands, impaired stream segments, aquifer, and navigable waters.

Note: U.S. Coast Guard and/or U.S. Army Corps of Engineers notification for waters of the U.S. and navigable water impacts is not included in this work authorization. If it is determined that a formal wetland delineation is needed, a supplemental work authorization would be required.

NOTE: If it is determined that permits are required, including a Pre-Construction Notification or an Individual Permit, they would be completed under a Supplemental Work Authorization. Wetland delineation, if required, would be performed under a Supplemental Work Authorization.

Deliverables:

1) Draft and Final Project-specific Water Resources Technical Report

120.1.5 Biological Resources Technical Report

The Engineer shall prepare a Biological Resources Technical Report that includes an assessment of the impacts of the proposed project on biological resources in the study area, including threatened and endangered species. The Engineer shall prepare a Biological Evaluation Form and supporting data, including a Tier 2 Site Assessment, for use in coordination with the Texas Parks and Wildlife Department (TPWD). The Engineer shall use the State's most recent guidance for assessing impacts to biological resources.

NOTE: If it is determined that species-specific presence/absence surveys are needed, a supplemental work authorization would be required.

Deliverables:

1) Draft and Final Biological Resources Technical Report
2) Draft and Final Biological Evaluation Form

120.1.6 Hazardous Materials Initial Site Assessment

The Engineer shall perform a hazardous material Initial Site Assessment (ISA) for potential hazardous materials impacts and shall prepare a technical report documenting the findings. The ISA shall determine the potential for encountering hazardous materials in the study area, including possible environmental liability, increased handling requirements (e.g. soil or groundwater), and potential construction worker health and safety issues. The performance of the hazardous materials ISA will be consistent with guidance in the State's Hazardous Materials Compliance Toolkit. The Engineer shall produce and submit to the State a completed ISA using the State's ISA Report format. The Engineer's completed ISA technical report shall include, when applicable, full copies of list search reports, including maps depicting locations, copies of agency file information, photographs, recommendations, and any other supporting information gathered by the Engineer to complete the ISA. The technical report shall include, when applicable:

1) A concise summary of relevant information gathered during the ISA, including sufficient information to show that the study area for the Transportation Activity was adequately investigated for known or potential hazardous material contamination.

2) A concise description of the scope of the hazardous materials ISA, disclosure of any limitations of the assessment, and a statement indicating who performed the assessment.

3) A discussion of any commitments recommended for performing further investigation of suspect areas, and justification for postponement of further investigation.

4) A summary of efforts to be employed by the State to avoid or minimize involvement with known or suspected hazardous material contamination sites during construction, and justification for not avoiding contaminated sites within the preferred alternative or corridor alignment.

5) Disclosure of known or suspected hazardous material contamination that is anticipated to be encountered during construction.

6) A discussion of any required or recommended special considerations, contingencies or provisions to handle known or suspected hazardous material contamination during right-of-way negotiation and acquisition, property management, design and construction.

7) A summary of any early coordination or consultation conducted with the regulatory agencies, local entities or property owners.

8) A discussion of any further hazardous materials related coordination with, and approvals or permits required from, the regulatory agencies or other entities.

Should the findings of the ISA conclude that additional investigation, special considerations, or other commitments from the State are required during future stages of project development, the Engineer shall review those findings and commitments with the State prior to completing the hazardous materials discussion for the environmental document.

NOTE: If it is determined that TCEQ file research or an American Society for Testing and Materials (ASTM) Phase II investigation is needed, a supplemental work authorization would be required.

Deliverables:

1) Draft and Final Hazardous Materials Initial Site Assessment and associated Technical Report

120.1.7 Archeological Studies

An intensive Archeological Survey was completed within the Area of Potential Effects for the Environmental Assessment, with no archeological sites identified. Therefore, an Archeological Survey and Archeological Technical Report are not part of this scope.

NOTE: If an Archeological Survey and Technical Report are required, they would be conducted under a supplemental work authorization.

120.1.8 Historic Resource Studies

An historic resource survey was conducted and a Reconnaissance Survey Report was prepared for the Environmental Assessment. A supplemental survey will be conducted to identify any additional historic-aged resources (based on the current letting date) not evaluated in the original Reconnaissance Survey Report and assess their historic significance. A supplement to the Reconnaissance Survey Report will be prepared to document the results of the supplemental survey.

Prior to conducting the supplemental survey, in consultation with the State, the Engineer shall determine the area of potential effect (APE) and the study limits of the survey area, conduct a literature review appropriate to the project area and its historic-age resources, prepare a Project Coordination Request (PCR), and prepare a research design for a reconnaissance survey for non-archeological historic-age resources. The Engineer shall submit an electronic format copy of the research design to the State. The State will be responsible for transmitting the research design to the Texas Historical Commission (THC), as applicable under the First Amended Programmatic Agreement among the Federal Highway Administration, the Texas Department of Transportation, the Texas State Historic Preservation Officer, and the Advisory Council on Historic Preservation Regarding the Implementation of Transportation Undertakings (PA-TU), and transmitting the THC comments to the Technical Expert. The Engineer shall revise the research design to reflect comments by the State and THC. The research design shall be revised pursuant to the State's errors and omissions policy.

The Engineer shall conduct a reconnaissance survey (supplementing the original survey due to the change in letting date) conforming to the methodology outlined in the THC-approved research design. The reconnaissance survey shall not be implemented without prior approval of the research design by the State and THC. In addition, prior to reconnaissance survey, the technical expert shall ensure that efforts have been made to obtain right-of-entry (ROE) to properties in the study area that have the potential for historic properties, if applicable. Each historic-age resource (defined in accordance with 36 Code of Federal Regulations (CFR) 60 as a building, structure, object, historic district or non-archeological site at least 45 years old at the time of letting) in the APE that was not evaluated for eligibility in the National Register of Historic Places in the Environmental Assessment shall be documented in a Supplemental Reconnaissance Survey technical report using the State's Documentation Standard for Reconnaissance Survey Report, April 2014.

The Engineer shall conduct tasks associated with public involvement as part of the supplemental reconnaissance survey conforming to the methodology outlined in the TxDOT Environmental Affairs (ENV)-approved research design. The Engineer shall contact interested parties when applicable to determine local knowledge of historic resources in the project area. Interested parties include, but are not limited to, Certified Local Government (CLG), Historic Preservation Office (HPO), County Historical Commission (CHC) Historic Bridge Foundation (HBF) and other consulting parties.

NOTE: Intensive surveys are not included in this scope of work. Should an intensive survey be required, a supplemental work authorization would be required.

Deliverables:

1) Draft and Final Project Coordination Request
2) Draft and Final Non-Archeological Historic Age Research Design
3) Draft and Final Supplemental Reconnaissance Survey Report for Non-archeological Historic-Age Resources

120.1.9 Indirect Impacts Technical Report

The Engineer shall prepare an Indirect Impacts Technical Report for the project in accordance with the State's most current Guidance on Preparing Indirect Impact Analyses.

Deliverables:

1) Draft and Final Indirect Impacts Technical Report

120.1.10 Cumulative Impacts Technical Report

The Engineer shall prepare a Cumulative Impacts Technical Report for the project in accordance with the State's most current Guidance on Preparing Indirect Impact Analyses.

Deliverables:

1) Draft and Final Cumulative Impacts Technical Report

120.2 EA Re-Evaluation

The Engineer shall complete a Re-evaluation Consultation Checklist and prepare a written EA Re-Evaluation. The written re-evaluation shall include the following:

1) Cover page
2) Project history
3) Project status
4) Changes to the original project
5) Regulatory compliance
6) Environmental impacts
7) Public involvement
8) Conclusion
9) Location Map
10) Revised typical sections (if applicable), and
11) Other attachments

Deliverables:

Draft and Final Re-evaluation Consultation Checklist

Draft and Final Written Re-evaluation

120.3 Right-of-Entry

The engineer shall obtain right-of-entry to perform environmental services.

120.4 Public Involvement (Meeting with Affected Property Owners)

NOTE: A meeting with affected property owners will be conducted to satisfy public involvement requirements associated with the re-evaluation. If it is determined that a public meeting or other form of additional public involvement is warranted, a supplemental work authorization would be required to for labor and expenses associated with the additional public outreach efforts.

120.4.1 MAPO Coordination and Notification

The Engineer shall schedule, plan (to include identification and reservation of a venue) and coordinate a meeting with affected property owners (MAPO). The Engineer shall develop a list of affected property owners. The Engineer shall notify each affected property owner, in writing, of the date, time and location of the MAPO.

120.4.2 MAPO Exhibits

The Engineer shall prepare exhibits to be used at the MAPO

120.4.3 MAPO pre-meeting

The Engineer shall attend a pre-meeting in preparation for the MAPO

120.4.4 MAPO

The Engineer shall provide up to six (6) people to staff the MAPO, including staff at the check-in table and engineers to explain the schematic.

120.4.5 MAPO Summary and Responses to Comments

The Engineer shall prepare a summary of the MAPO, including responses to public comments.

EXHIBIT A

FM 2551 from Parker Road to FM 2170 (Phase II)
Additional Surveying Services

1. Perform field survey to check and confirm previously established project control along the proposed corridor.

2. Perform field survey for the purpose of identifying and establishing the location of topographic features along the corridor. This topographic survey will include the existing features within an approximate 200 foot wide corridor (or up to existing barriers such as walls or houses that would prevent further surveying) where the proposed improvements will follow the existing FM 2551 in the following areas (approximately 4,800 total linear feet):
   - East side of FM 2551 north of Bethany Drive along Kwik Car property
   - East side of FM 2551 north of Bethany Drive along Walmart property
   - West side of FM 2551 south of Bethany Drive along First Choice Emergency Room property
   - Both sides of FM 2551 from Curtis Road to just north of Lindsey Lane

3. Contact DIGTESS for the purpose of locating franchise utilities along the proposed corridor and acquire (by field survey) the franchise utility information from the locates placed in the field by DIGTESS in the areas specified in Item No. 2.

4. Prepare an updated base map showing the information acquired by research and field survey and provide a digital and hard copy to CP&Y.

5. Perform field survey for four 100' creek sections at locations to be designated by CP&Y.

EXHIBIT B
SUMMARY OF MANHOURS BY CLASSIFICATION & MAJOR TASK ANALYSIS

FM 2551 (FM 2514 to FM 2170)
CP&Y, Inc
LUMP SUM

TxDOT FUNCTION CODE	DESCRIPTION OF WORK TASK	PHASE I PLAN ADEQUATE (60%)	PHASE II FINAL PLAN & CONSTRUCTION SERVICE	TOTAL COST
110	Route and Design Studies	$ 19,600.00	$ -	$ 19,600.00
150	Field Surveying	$ 7,600.00	$ -	$ 7,600.00
160	Roadway Design Controls	$ 380,680.00	$ 119,600.00	$ 500,280.00
161	Drainage	$ 298,160.00	$ 92,560.00	$ 390,720.00
162	Signing, Markings and Signalization	$ 134,472.00	$ 48,768.00	$ 183,240.00
163	Miscellaneous Roadway	$ 283,910.00	$ 114,230.00	$ 398,140.00
	Direct Costs	$ 4,209.00	$ 2,807.00	$ 7,016.00
	CP&Y Subtotal	**$ 1,128,631.00**	**$ 377,965.00**	**$ 1,506,596.00**
Sub	**BW2 Engineering**	**$ 94,140.00**	**$ 10,460.00**	**$ 104,600.00**
	SAM	**$ 104,315.00**	$ -	**$ 104,315.00**
Construction Phase Services (COST PLUS SPECIFIED RATE)				
309	Design Verification, Changes & Alterations	**$ -**	**$ 106,800.00**	**$ 106,800.00**
	Original Total	**$1,327,086.00**	**$495,225.00**	**$1,822,311.00**

SUPPLEMENTAL NO. 1				
120	Environmental Documentation (Re-Evaluation)	$ 120,610.00	$ -	$120,610.00
150	Field Surveying Supervision/Coordination	$ 1,200.00	$ -	$1,200.00
Direct Costs	Related to Re-Evaluation	$ 3,227.00		$3,227.00
	CP&Y Subtotal	**$ 125,037.00**	**$ -**	**$125,037.00**
Sub	**BW2 Engineering (Survey)**	**$ 10,800.00**	**$ -**	**$10,800.00**
	Supplemental No. 1 Total	**$ 135,837.00**	**$ -**	**$ 135,837.00**

Amended Contract Total	**$1,462,923.00**	**$495,225.00**	**$1,958,148.00**

EXHIBIT B
SUMMARY OF MANHOURS BY CLASSIFICATION & MAJOR TASK ANALYSIS
FM 2551 (FM 2514 to FM 2170)
LUMP SUM

TxDOT FUNCTION CODE	DESCRIPTION OF WORK TASK	Project Manager	Senior Planner	Planner	Senior Biologist	Biologist	GIS Analyst	Architectural Historian	Clerical	Total Labor Hours	Total Labor Cost per Task
		$180.00	$165.00	$80.00	$120.00	$85.00	$80.00	$120.00	$65.00		
FC 120 -Environmental Documentation											
120.1	**Technical Reports**										
120.1.1	Community Impact Assessment (Draft and Final)	2	16	64			24		2	108	$10,170.00
120.1.2	Air Quality (Draft and Final)	4	4				24		2	34	$3,430.00
120.1.3	Traffic Noise Analysis (Draft and Final)	2	16	80			24		2	124	$11,450.00
120.1.4	Water Resources (Draft and Final)	2	8		24	48	8		2	92	$9,410.00
120.1.5	Biological Studies (Draft and Final)		8		24	48	8		2	90	$9,050.00
120.1.6	Hazardous Materials ISA (Draft and Final)		4	40			8		2	54	$4,630.00
120.1.7	Archeological Studies									0	$0.00
120.1.8	Historic Resource Studies		8				8	80	2	98	$11,690.00
120.1.9	Indirect Impact Study (Draft and Final)	6	16	60	8	8	16	4	4	122	$12,180.00
120.1.10	Cumulative Impact Study (Draft and Final)	6	16	60	8	8	16	4	4	122	$12,180.00
120.2	**EA Re-Evaluation**										
120.2.1	Prepare Draft EA Re-Evaluation	2	8	40		8	16	4	4	82	$7,580.00
120.2.2	Prepare Final EA Re-Evaluation	1	2	20		4	8	2	4	41	$3,590.00
120.3	**Right of Entry**										
120.3	Obtain Right-of-entry		4			8	20	8		40	$3,900.00
120.4	**Data Collection and Preliminary Project Development**										
120.4.1	MAPO Coordination and Notification		8	32			40			80	$7,080.00
120.4.2	MAPO exhibits	2	8				24	8		42	$4,560.00
120.4.3	MAPO pre-meeting		8					8		16	$2,280.00
120.4.4	MAPO		12					12		24	$3,420.00
120.4.5	MAPO Summary and Response to Comments	2	8	24		2		2		38	$4,010.00
	Total	**29**	**154**	**420**	**64**	**134**	**244**	**132**	**30**	**1207**	**$120,610.00**
	Cost	**$ 5,220.00**	**$ 25,410.00**	**$ 33,600.00**	**$ 7,680.00**	**$ 11,390.00**	**$ 19,520.00**	**$ 15,840.00**	**$ 1,950.00**		

EXHIBIT B
SUMMARY OF MANHOURS BY CLASSIFICATION & MAJOR TASK ANALYSIS

FM 2551 (FM 2514 to FM 2170)
CP&Y, Inc.
LUMP SUM

TxDOT FUNCTION CODE	DESCRIPTION OF WORK TASK	No. of PS&E Sheets	Principal	Project Manager	Senior Design Engineer	Design Engineer / SR ENGR Tech	EIT/CADD Tech	Clerical	Total Labor Hours	Total Labor Cost per Task
			$200.00	$180.00	$140.00	$120.00	$100.00	$65.00		
FC 150 - Field Surveying										
150.1	Field Surveying									
			Services provided by BW2 Engineering, Inc.						0	$10,800.00
150.2	Subsurface Utility Engineering									
			Services provided by SAM, Inc.						0	$0.00
150.3	Surveying Supervision and Coordination									
110.3.1	Subconsultant Supervision and Coordination			3		3	3		9	$1,200.00
	Total		0	3	0	3	3	0	9	$12,000.00
	Cost		$ -	$ 540.00	$ -	$ 360.00	$ 300.00	$ -		

EXHIBIT B
SUMMARY OF MANHOURS BY CLASSIFICATION & MAJOR TASK ANALYSIS

FM 2551 (FM 2514 to FM 2170)
CP&Y, Inc.
LUMP SUM

DIRECT COSTS

DESCRIPTION	ASSUMPTIONS	UNITS	COST PER	TOTAL COST
Color Bond Plot	/ Foot		$ 6.00	$ -
Mileage	/ Mile	1800	$ 0.505	$ 909.00
Car Rental	/ Day	6	$ 65.00	$ 390.00
11" X 17" copies	/ Sheet		$ 0.10	$ -
11" X 17" Mylar	/ Sheet		$ 1.00	$ -
Hotel	/Night	6	$ 108.00	$ 648.00
Per Diem	/Day	10	$ 61.00	$ 610.00
GPS Receiver	/Day	4	$ 80.00	$ 320.00
Haz Mat Database Search	Each	1	$ 350.00	$ 350.00
Delivery Services	/ Delivery		$ 16.00	$ -
	TOTAL DIRECT COSTS			**$ 3,227.00**