

Collin County, TX - Production



Project Budget Adjustment Entry
 CLERK: e012618

PA JOURNAL	EFF DATE	GL YEAR/PER/JNL	REF1	REF2	REF3	REF4	T	AMOUNT
SOURCE	PROJECT STRING							
318		04/20/2023						
PAJ	RI070000	-4209-750300013-698801	53934	5/8/2023		TCONNELLY	5	-11,661.50
PAJ	RI070020	-4209-750300013-809250	53934	5/8/2023		TCONNELLY	5	11,661.50
PAJ	RI070000	-4281-750300013-698801	53934	5/8/2023		TCONNELLY	5	-22,898.50
PAJ	RI070020	-4281-750300013-809250	53934	5/8/2023		TCONNELLY	5	22,898.50
Project Expense String Totals								
RI070000 Total:								-34,560.00
RI070020 Total:								34,560.00
								0.00

*# END OF REPORT - Generated by Tyler Connelly *#



COLLIN COUNTY

Engineering Department
4690 Community Ave.
Suite 200
McKinney, Texas 75071
www.collincountytx.gov

MEMO

Date: April 3, 2023
To: Commissioners Court
From: Tracy Homfeld, PE, CFM; Assistant Director of Engineering
Subject: Request Approval of Amendment #5 to the Engineering Services Contract with CP&Y for FM 2551 from FM 2514 to FM 2170, 2007 Bond Project # 07-00-20

The Engineering Department requests that the contract with CP&Y for services related to the FM 2551 Project be increased by the amount of \$34,560 for Amendment #5.

This increase (Exhibit A) will provide for additional design work associated with the analysis of an existing detention basin. Once the modeling is complete, CP&Y will submit a technical memorandum discussing the FM 2551 stormwater runoff and the detention basin volume.

There is \$0 available in the RI070020-4201-750300013-809250 (Consultants) account. The full amount of Amendment #5 (\$34,560.00) will be covered with the following budget adjustments:

- 1) \$11,661.50 from RI070000-4209-750300013-698801 (Contingency) to RI070020-4209-750300013-809250 (Consultants)
- 2) \$22,898.50 from RI070000-4281-750300013-698801 (Contingency) to RI070020-4281-750300013-809250 (Consultants)

CP&Y's current contract amount is \$2,716,908. With the design increase, the new contract amount with CP&Y will be \$2,751,468.

ACTION REQUESTED:

It is requested that the Commissioners Court approve Amendment #5 to the CP&Y contract in the amount of \$34,560 for the FM 2551 Project and further authorize the necessary budget amendments from within RI070000 and RI070020 project codes.



March 6, 2023

Ms. Tracy Homfeld, P.E.
Assistant Director of Engineering
Collin County Engineering Department
4690 Community Ave., Suite 200
McKinney, TX 75071

Re: FM 2551 (FM 2514 to FM 2170) – Supplemental #5
CP&Y Project No. COLC1201

Dear Ms. Homfeld:

Per previous discussions CP&Y, Inc. requests Supplemental No. 5 pertaining to Contract # 2012523-08-06. The purpose of this Supplemental is request additional fees for the following additional scope of services:

- **Detention Basin Analysis, including pre vs post condition analysis using Bentley PondPack to understand impacts of proposed improvements along FM 2551 and preliminary dimensions to show the detention basin modifications.**
- **Technical memorandum deliverable with the PondPack model findings, the volumetric addition to the detention basin needed to store excess from the proposed FM 2551 roadway improvements and the preliminary detention pond sizing with an exhibit showing preliminary dimensions.**

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. 5 is \$34,560.00.

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

Respectfully submitted,

Andrea Klocinski, P.E.
Project Manager

1820 Regal Row, Suite 200
Dallas, Texas 75235
(p) 214.638.0500 · (f) 214.638.3723
www.cpyi.com



SUPPLEMENTAL #5 TO EXHIBIT A

FM 2551 (from FM 2514 to FM 2170) Collin County

Services To Be Provided By Engineer:

The construction will include the widening of FM 2551 from an existing two-lane asphalt roadway to an ultimate six-lane concrete section with curb and gutter, enclosed storm sewers, raised median, and horizontal re-alignment. The re-alignment will eliminate the approximately 2200 ft. offset of FM 2551 at FM 2514 by connecting the two section of FM 2551 with an "S-curve", beginning approximately 760 ft. north of FM 2514 and ending approximately 320 ft. north of Curtis Drive. Additionally, existing storm sewer will be upgraded and pavement cut & restored along FM 2514 at FM 2551 for approximately 2600 ft. to Maxwell Creek to the west. The project will be prepared in conformance with TxDOT Dallas District requirements.

The engineering work for this project will consist of the tasks as outlined below. It is the intent of Exhibit A (TASK OUTLINE) to help clarify the scope of work.

TASK OUTLINE

1. Detention Basin Analysis
 - a. Engineer will obtain from Client previous detention pond as-builts and analysis performed to size the existing detention basin in the northeast portion of the project alignment. The Engineer will obtain from the client flume dimensions and details acting as the detention basin outfall. The Engineer will obtain from the Client contributing drainage areas to the basin with calculations showing the flow rates for each drainage area for the existing analysis. For the post condition analysis, drainage calculations from the FM 2551 project will be used.
 - b. Engineer will perform a pre vs. post analysis of the existing detention pond using Bentley PondPack to quantify and understand the impacts of the proposed improvements along FM 2551. Modeling will be completed to show the impacts and recommendations will be made to properly size detention basin improvements to account for the excess stormwater runoff created from the proposed FM 2551 project. The excess volume and flow rate will be obtained, and preliminary dimensions will be provided to show the detention basin modifications needed to store the excess stormwater runoff.
 - c. The deliverable will be in the form of a technical memorandum discussing the findings of the PondPack model, the volumetric addition to the detention basin needed to store the excess stormwater runoff created from the proposed roadway improvements to FM 2551, and preliminary detention pond sizing to account for the runoff with an exhibit showing preliminary dimensions. The PondPack model will also be provided to the Client once complete.

Services Not Provided By Engineer:

1. Detention basin design sheets including grading and detention basins plan and profile with a detail sheet.
2. 2D modeling with details of sheet flow analysis showing localized ponding, times of concentration, and flows from 2D modeling. All modeling will be completed as a 1D analysis in Bentley Pond Pack.
3. Modifications or development of permits.



Contract Modification Document

Office of the Purchasing Agent
Collin County Administration Building
2300 Bloomdale Rd, Ste 3160
McKinney, TX 75071
972-548-4165

Vendor: CP&Y, Inc. d/b/a STV Infrastructure
Attn: Robin Handel, PE
1820 Regal Row, Ste 200
Dallas, TX 75235

Contract No. 08345-12
Contract: Professional Services, Engineering,
FM2551 from FM2514 to FM2170

YOU ARE DIRECTED TO MAKE THE FOLLOWING MODIFICATION TO THIS CONTRACT

Additional design work associated with the analysis of an existing detention basin and submission of a technical memorandum discussing the FM 2551 stormwater runoff and the detention basin volume. \$ 34,560.00

Original Contract Amount: \$ 1,822,311.00
Contract Amendment No. 1 \$ 135,837.00
Contract Amendment No. 2 \$ 556,605.00
Contract Amendment No. 3 \$ 92,870.00
Contract Amendment No. 4 \$ 109,285.00
Contract Amendment No. 5 \$ 34,560.00
New Total Contract Amount: \$ 2,751,468.00

Except as provided herein, all terms and conditions of the contract remain in full force and effect and may only be modified in writing signed by both parties.

Contract Amendment No. 5 has been accepted and authorized by authority of Collin County Commissioners Court by Court Order No. effective on

ACCEPTED BY:

[Handwritten signature of Robin Handel]

SIGNATURE

Robin Handel, PE

(Print Name)

TITLE: Senior Vice President

DATE: 4/20/2023

SIGNATURE

Michelle Chamoski, NIGP-CPP, CPPB

(Print Name)

TITLE: PURCHASING AGENT

DATE:

HISTORICAL INFORMATION

Awarded by Court Order No. 2012-523-08-06

Amendment No.	<u>1</u>	Court Order No.	<u>2015-558-08-24</u>	Summary	<u>Enviromental Re-evaluation</u>
Amendment No.	<u>2</u>	Court Order No.	<u>2019-012-01-07</u>	Summary	<u>Coordination, Alt. Alignments</u>
Amendment No.	<u>3</u>	Court Order No.	<u>2021-711-07-26</u>	Summary	<u>Utility Conflicts, Utility Base Map</u>
Amendment No.	<u>4</u>	Court Order No.	<u>2022-442-05-16</u>	Summary	<u>Lucas Rd, FM2170 lane, Waterline</u>
Amendment No.	<u>5</u>	Court Order No.		Summary	<u>Detention Basin</u>