

EXHIBIT “F-1”
CONTRACT AMENDMENT

Article 2
Character and Extent of Services

2.01 The Consultant shall perform its obligations under this Contract Amendment in accordance with the original Scope of Work and any additional Scope of Work within the Consultant’s proposal attached hereto as **Exhibit “F-.”** County and Consultant may agree to amend this contract. Any further amendments to this contract will be added as **“Exhibit F-”** (F-1, F-2, etc.).

2.07 Effective January 1, 2020, the requirements of Subchapter J, Chapter 552, Texas Government Code, may apply to this contract and the Consultant agrees that the contract can be terminated if the Consultant knowingly or intentionally fails to comply with a requirement of that subchapter.

Article 10
Consultant’s Insurance Requirements

10.02 County shall be named as additional insured to all required coverage except for Workers’ Compensation and Professional Liability. All liability policies including Workers’ Compensation written on behalf of Consultant shall contain a waiver of subrogation in favor of County and members of Commissioners Court.

Execution

The County executes this Agreement by and through the County Judge acting pursuant to Order of the Commissioners Court of Brazoria County, Texas, so authorizing. This Agreement shall not become effective until executed by all Parties hereto.

Brazoria County, Texas

Gannett Fleming
(formerly DE Corp. Engineering)
a Texas company

By: _____

L.M. (Matt) Sebesta, Jr

County Judge

Date: _____

By: _____

Michel Maksoud, Ph. D., P.E.

President

Date: _____

**County Road 400 Relocation
Brazoria County
Supplement No. 1
Scope of Work**

**Additional Final Design Engineering Services
Revision 2 July, 2024
DE Corporation (DEC), a Part of Gannett Fleming**

A. DESIGN PHASE SERVICES

Overview

This supplement includes additional work that was not anticipated in the original scope of work. The additional work was the result of direction received from the County or other unanticipated work required to complete the project and provide a complete set of bid drawings for construction. Included in this work are driveways, demolition plans, drainage plans, traffic control plans and overall plan preparation. The additional work is documented in the paragraphs that follow.

Section 1.0: Roadway Design

This work includes the preparation of 16 additional driveway adjustments including plan and profiles, modeling, drainage and summary tables for each one. This work also includes setting construction easement boundaries for each additional driveway. This work also includes preparing 26 Brazoria County driveway applications for each driveway. Also included is adjusting the 10 driveways originally anticipated with additional lengths and details as per our two discussions with the 5 property owners (Parcels 16, 19, 21, 22/23 & 25) in October 2022 and September/October 2023. These details include turning movement designs based upon trailer sizes for horses or boats as per the property owner's direction, keeping part of the existing CR 400 roadway in place and adjusting the driveways connected to it and adding additional connections and entrances such as Parcel 16.

This work also includes the preparation of an additional 4 sheets of removal (demolition) plans. This effort includes additional driveway and tree removal sheets (based upon property owner discussion) and pond removal sheets.

Deliverables – 26 Brazoria County Driveway Applications, 16 additional driveway designs, 5 property owner revisions, 4 Demolition Plan Sheets, 39 plan sheet revisions.

Section 2.0: ROW Plans

This work will be performed by our subconsultant Kuo & Associates, Inc. (Kuo) and includes preparation of ROW plats, legal descriptions and boundary surveys for 9 additional parcels and 1 required drainage easement. These parcel impacts are due to the additional construction easements required for the construction of the temporary road and installation of the 48-inch outlet pipe. Please refer to Kuo proposal dated June 12, 2023 (attached) for their detailed scope.

County Road 400 Relocation

Brazoria County

Supplement No. 1

Scope of Work

DEC will coordinate with Kuo during the preparation of the additional parcel information including providing current driveway design and easement information. As for the construction easements for the driveway construction, we have located construction easement limits per driveway on the construction plans however, the County agreed individual easements and legal descriptions were not required and an agreement will be developed between the property owner and the County for the use of the construction limits shown on the construction plans. This work does not include temporary construction easement legal descriptions for driveway relocations.

Deliverables – Revised ROW Plans, legal descriptions, and boundary surveys

Section 3.0: Drainage

This work includes the selection of the proper location for the outlet pipe (where the river bank has been stable over the years), design of 760 feet of 48-inch diameter outlet pipe, a deep (14 feet) manhole structure near the river, determination of the normal high water mark at the outlet location, design of the outlet pipe exiting the deep manhole and outlet protection against river erosion and survey of river bank.

This work includes adjusting the ditches to act as detention basins including development of a ditch weir to facilitate outlet of a full-ditch situation and individual ditch profiles to ensure movement of flows. This includes iterating the mitigation model to match the design.

This work also included adjusting the design based on Drainage District 11 (Randy Stroud) comments.

Additionally, the 48-inch outlet pipe was relocated from its original location and an additional manhole added based on property owner request. A flap gate was added to control backflow to the ditch system from the river. This work included developing a specification and special details.

Deliverables – 48-inch outlet pipe design (P&P), Revised ditch designs for detention basins including proposed weir, redesign of 48-inch outlet and addition of flap gate details.

Section 4.0: Traffic Control Plans

This work includes the preparation of traffic control plans that allow for the 2-lane movement of vehicles through the construction zones at all times throughout the project as per direction we received from the County at the January 31, 2023 Coordination Meeting. Included in this effort is the preparation of 5 phases of traffic control plans sheets, typical sections for each phase including pavement design, temporary roadway design, drainage design for temporary culverts, coordination with utilities regarding impacts, transition geometry for the temporary roadway, traffic control narrative, and coordination with Kuo regarding additional property impacts.

Deliverables – 5 Phase Traffic Control Plan (9 additional sheets), including typical sections, temporary pavement, temporary drainage design, utility coordination (Phillips)

County Road 400 Relocation Brazoria County Supplement No. 1 Scope of Work

Section 5.0: QA/QC of PS&E Package

This work includes QA/QC of 63 additional sheets (total 100% sheet count of 151) from the 88 contained in the original scope. This work includes following the DEC QA/QC plan.

Deliverables-63 additional sheets for the PS&E package

Section 6.0: Environmental

This work includes the preparation of a Plan Review Letter regarding evaluation of the Jurisdictional Water of the United States. Berg Oliver will investigate and provide an official letter as per Berg Oliver's proposal dated November 3, 2022 (see attached Berg Oliver proposal for details).

Deliverables-Coordination with Berg Oliver and the Plan Review Letter

Section 7.0: Project Management

This work includes performing project management for the additional work items and includes management of the project, coordination with agencies, utilities and the County, resource management, invoices, status reports, budget tracking, general coordination with the County including during the property purchase process, management/coordination with the subconsultants and coordination on H&H and environmental issues.

Deliverables - Meeting Minutes, Status Report, Project Management

Section 8.0: Project Cost Reductions

This work includes revising the final 100% PS&E drawings to obtain a \$3.73 million cost reduction for the project. The work includes:

- Revising 68 sheets including title, index, estimate and quantity summary, summary of quantities, project layout, traffic control, horizontal alignment data, existing CR 400 grading layout, roadway plan and profiles, driveway plans and profiles, driveway summary table, driveway and temporary construction easement points, removal layout, drainage plan and profiles, utility plan and profiles, SW3P Layout.
- Quantity Recalculations
- Revised Cost Estimate
- Utility Coordination relating to gas line crossings.

Deliverables – Revised Final PS&E Plan Sheets, Revised Project Cost Estimate/Quantities, Utility Coordination

County Road 400 Relocation, Brazoria County Supplement 1 (Revision 2 July, 2024) Engineering Fee Estimate Additional Final Design July 2024									
Scope Section	Direct Labor (\$ Per Hour)	Project Manager	Project Engineer	Transportation Planner	EIT	CADD Designer	Admin Support	Sub-Total (Manhours)	Total by Task
		\$ 265.00	\$ 185.00	\$ 180.00	\$ 110.00	\$ 120.00	\$ 85.00		
1.0	Roadway Design								
	Driveways and Details (P&P Shts.) (16)	11	46		28	28		113	\$ 17,865.00
	Driveways Modeling (16)	4	16		10	10		40	\$ 6,320.00
	Driveways Drainage (16)	6	25		16	16		63	\$ 9,895.00
	Driveways Summary Tables (16)	4	16		10	10		40	\$ 6,320.00
	Driveway / Culvert Permit applications (26 @ 3 hr./app)	8	32		20	20		80	\$ 12,640.00
	Property Owner Adjustments (Oct. 2022) Parcel 16, 19, 21, 22/23, 25 Driveways								
	Property Owner Adjustments (Oct 2022) Parcel 16, 19, 21, 22/23, 25 Driveways and Details (P& P Shts.)	3	14		9	9		35	\$ 5,455.00
	Property Owner Adjustments (Oct 2022) Driveways Modeling (5)	1	5		3	3		12	\$ 1,880.00
	Property Owner Adjustments (Oct 2022) Driveways Drainage (5)	2	8		5	5		20	\$ 3,160.00
	Property Owner Adjustments (Oct 2022) Driveways Summary Tables (5)	1	5		4	4		14	\$ 2,110.00
	Demolition Plans (4 shts.)	4	8		8	12		32	\$ 4,860.00
	Driveways - Property Owner Adjustments Sept./Oct 2023 (Parcels 16, 19, 21, 22/23, 25)(39 Modified Sheets)								
	Upfront sheets (5)	1	2		3	4		10	\$ 1,445.00
	TCP Sheets (5)	2	10		6	7		25	\$ 3,880.00
	Roadway P&P shts (3 shts.)	2	10		6	7		25	\$ 3,880.00
	Exist. Grading Layout (4 shts.)	1	5		4	4		14	\$ 2,110.00
	Driveway Plan, Profile and Summary table and Temp. Constr. Esmt Points (9 shts)	3	14		9	9		35	\$ 5,455.00
	Drainage P&P (3 Shts.)	3	14		9	9		35	\$ 5,455.00
	Utility P&P (3 Shts.)	1	7		5	5		18	\$ 2,710.00
	Signing/PM (1 Sht.)		4		3	3		10	\$ 1,430.00
	SW3P (3 Shts.)	1	7		5	5		18	\$ 2,710.00
	SubTotal	58	248	0	163	170	0	639	\$ 99,580.00
2.0	ROW Plans / Legal Descriptions/Boundary Surveys								\$ -
	ROW Plans Coordination	1	1		2	2		6	\$ 910.00
								0	\$ -
	SubTotal	1	1	0	2	2	0	6	\$ 910.00
3.0	Drainage								\$ -
	48" outlet to river	6	24		15	15		60	\$ 9,480.00
	Ditches as detention basins (iterations of H&H Model)	5	16		8	24		53	\$ 8,045.00
	Revisions to 48" outlet pipe based on property owner request	3	14		9	9		35	\$ 5,455.00
	Revisions to 48" outlet based on DD11 Comments (5 comments)	1	5		2	2		10	\$ 1,650.00
	Flap Gate Design (48" Pipe) (1 detail sht., Specification)	2	8		7	7		24	\$ 3,620.00
								0	\$ -
	SubTotal	17	67	0	41	57	0	182	\$ 28,250.00
4.0	Traffic Control Plans								\$ -
	Traffic Control Plans (Phases 1-5), 13 Sheets (9 additional sheets) includes gas line impacts	21	86		54	54		215	\$ 33,895.00

