



City Council Agenda Request

NOVEMBER 7, 2023

AGENDA REQUEST NO: III.F.

AGENDA OF: City Council Meeting

INITIATED BY:
Alence Poudel, Engineer III

PRESENTED BY:
Alence Poudel, Engineer III

RESPONSIBLE DEPARTMENT: Engineering

AGENDA CAPTION:

Consideration of and action on authorization of a Interlocal Agreement with Fort Bend County, Texas, for installation of a 12-inch waterline for the 2017 Fort Bend County Mobility Bond Project No. 17102 Ransom Road, Sugar Land, Texas.

RECOMMENDED ACTION:

Authorize the execution of an Interlocal Agreement (ILA) with Fort Bend County for the installation of a 12-inch water line along Ransom Road, Sugar Land, TX.

EXECUTIVE SUMMARY:

As part of the 2017 Fort Bend County Mobility Bond Program, Ransom Road roadway was slated for widening from Indigo River Lane to SH99. The road will be transformed into a 3-lane section with a 41-foot-wide reinforced concrete roadway, accommodating a 14-foot two-way left turn lane in the center, flanked by 12-foot travel lanes in each direction, all with a 1-foot offset from a 6-inch curb. West of Indigo River Lane, the roadway will transition into a 3-lane concrete roadway with an open ditch drainage system at the western Sugar Land city limit.

The City of Sugar Land (City) has been exploring the possibility of looping the existing waterline from Indigo River to just east of Grand Parkway, behind the existing Bank of America. The proposed 2400 linear feet of 12-inch waterline will connect to the existing waterline system, improving water quality and pressure for City residents and commercial users. In 2019, the City approached Fort Bend County (FBC) and requested the FBC's inclusion of the waterline design in the construction plans. FBC

agreed to incorporate the waterline construction into their project but required the City to fund the design separately and reimburse FBC for construction. In 2019, a contract of \$38,977.00 with a design firm was approved for the waterline.

City of Sugar Land Responsibilities:

1. Inspect the waterlines installation as per City codes and standards.
2. Reimburse FBC the actual installation cost of the waterline. The engineer's estimate for waterline installation is \$407,285.00.
3. The final amount of City participation will be based on actual costs.
4. Issue and sign a "Notification of Completion" acknowledging the Project's construction completion.
5. Be responsible for the maintenance of the installed waterline.

Fort Bend County Responsibilities:

1. Install waterline in conjunction with the road widening and reconstruction project for Ransom Road.
2. Ensure that the construction complies with the City of Sugar Land codes and standards.
3. Invoice City for waterline construction cost when completed.

Currently, CIP CWA2207, allocated for utility costs on Ransom Road waterline, has an available budget of \$500,000.00.

The Engineering Department and Public Works Department recommend that the City Council authorize the execution of an Interlocal Agreement with Fort Bend County for the installation of a 12-inch water line along Ransom Road, Sugar Land, TX.

BUDGET

EXPENDITURE REQUIRED: \$407,285.00

CURRENT BUDGET: \$500,000.00

ADDITIONAL FUNDING: NA

FUNDING SOURCE:GO BOND

ATTACHMENTS:

	Description	Type
□	Map	Maps
□	Interlocal Agreement	Contracts
□	Exhibit A - Quote	Other Supporting Documents

REVIEWERS:

Department	Reviewer
Engineering	Jahn, Tim
Public Works	Serrano, Natalie
Public Works	Butscher, Brian
City Secretary	Moore, Tia
City Secretary	Lenko, Robin
Budget	Mejorado, David
Purchasing	Poscovsky, Jason
Legal	Smith, Shea
Agenda Coordinator	Perez, Justin
Assistant City Manager	Valenzuela, Robert
City Manager	Valenzuela, Robert

INTERLOCAL AGREEMENT

(Ransom Rd – Project No. 17102)

THE STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

This Interlocal Agreement (“Agreement”) is made and entered into by and between FORT BEND COUNTY, TEXAS (the “County”), a political subdivision of the state of Texas, and the CITY OF SUGAR LAND, TEXAS (the “City”), a municipality established under the laws of the state of Texas. County and City may be collectively referred to as the “Parties” and each individually a “Party.”

WHEREAS, this Agreement is entered into pursuant to Chapter 791 of the Texas Government Code, the Interlocal Cooperation Act (the “Act”), which authorizes local governments to contract with one another to provide governmental functions, mutual aid, and services under the terms of the Act; and

WHEREAS, the Parties are each a local governmental entity and are authorized under the Act to provide certain governmental functions, including, but not limited to the provision of road and drainage improvements; and

WHEREAS, County and City seek to install a 12 inch waterline, as part of a road widening and reconstruction project for Ransom Road under Fort Bend County Mobility Bond Project No. 17102, which funds may only be expended on city streets that are an integral part of or connecting link with county roads or state highways pursuant to Article III, Section 52 (b) and (c) of the Texas Constitution and Section 251.012 of the Texas Transportation Code; and

WHEREAS, the Parties assert that the portion of Ransom Road to be improved under this Agreement is part of a city street that is an integral part of or a connecting link with a County road or state highway; and

WHEREAS, County and City have determined it would be in the best interest of County and City, and to the inhabitants thereof, that provisions be made for the installation of the waterline on Ransom Road in accordance with the terms of this Agreement.

NOW, THEREFORE, in consideration of the mutual promises, covenants, obligations, and mutual benefits, the Parties hereto agree as follows:

1. **Scope of Work.**
 - (a) The Parties acknowledge and agree that this Scope of Work represents the general requirements for the Project to facilitate the installation of a twelve-inch (12”) waterline on Ransom Road from Indigo Lane to SH-99 Northbound and as

provided in Section 4 of the Cost Estimate attached hereto as Exhibit "A" and incorporated by reference for all intents and purposes (the "Project").

- (b) The Project shall be facilitated, managed, and administered by County. County shall take all reasonable actions to ensure that the Project is constructed in a good and workmanlike manner with all reasonable diligence.
- (c) County shall only be obligated to design and construct the Project to the extent that sufficient funds are provided by City for the same pursuant to the terms of Section 2 of this Agreement.

2. Allocation of Project Costs.

- (a) City Project Costs: City shall contribute funds for the cost of installing the waterline which cost is estimated at Four Hundred Seven Thousand Two Hundred Eight Five and 00/100 Dollars (\$407,285.00). City understands and agrees that such costs may be higher or lower than the estimated cost provided herein. Such costs to City will be based on actual costs incurred by County for the Project.
- (b) Final Payment: Within thirty (30) days of completion of the Project, County shall furnish City with a full accounting of the funds expended on the Project. Within thirty (30) days of City's acceptance of the full accounting provided by County, City shall remit payment to County for the total amount due for the work performed and completed on the Project.

3. Design and Specifications. County shall select the design engineer and design all aspects of the Project in accordance with County standards and regulations. The plans and specifications shall be reviewed and approved by the Fort Bend County Engineer. City, upon reasonable notice to County, shall have the right and opportunity to review all documents pertaining to the design of the Project, including any maps, records, photographs, reports, and drawing affecting the construction of the Project. City shall provide any comments or feedback regarding the design of the Project to the County Engineer no later than thirty (30) calendar days after its review. City acknowledges and agrees that the comments and feedback provided to County shall not be binding upon County and the County Engineer, in his sole discretion, shall have the final determination regarding any comments or feedback received from the City for the design of the Project.

4. Competitive Bid and Award. Upon completion of final plans and specifications, County will advertise for competitive bids for construction of the Project (together or in separate contracts) in accordance with requirements applicable to County. Upon receipt of bids for the Project, County will notify the City of the amount of the recommended bid ("Notice of Bid"). If the City desires to object to the award of the contract, it must provide

written notice to County within fifteen (15) days of City's receipt of the Notice of Bid. Otherwise, the City will be deemed to have approved the award of the contract to the lowest responsible bidder, in County's judgment, who would be most advantageous to the Parties and would result in the best and most economical completion of the Project. County will enter into a contract with the qualified bidder ("Construction Contract"), which may be subject to change orders that increase, decrease, or otherwise alter the Project Costs under such contract. If County constructs the Project in multiple contracts, the provisions of this Agreement shall apply to each Construction Contract.

5. Insurance Requirements. County will require its Contractor's insurance policies to name City, in addition to County, as additional insured on all policies except for Worker's Compensation and Professional Liability. Any such insurance policies shall include at least the following minimum coverage:

- (a) Workers Compensation in accordance with the laws of the State of Texas. Substitutes to genuine Workers' Compensation Insurance will not be allowed.
- (b) Commercial general liability insurance with a limit of not less than \$1,000,000 each occurrence and \$2,000,000 in the annual aggregate. Policy shall cover liability for bodily injury, personal injury, and property damage and products/completed operations arising out of the business operations of the policyholder.
- (c) Business Automobile Liability coverage applying to owned, non-owned and hired automobiles with limits not less than \$1,000,000 each occurrence combined single limit for Bodily Injury and Property Damage combined.

6. Construction of the Project. After awarding the Construction Contract, County shall administer the Construction Contract for the benefit of the Parties. County shall provide on-site inspection of the construction of the Project in accordance with the terms of the Construction Contract(s). County shall approve or deny all applications for payment and requests for extensions of time and shall pay all valid pay applications issued under the Construction Contract(s). County shall approve or deny all change orders submitted under the Construction Contract(s). County shall have the right to terminate the Construction Contract(s) and to enforce its remedies thereunder, as determined by County to be necessary. In the event of any such termination, County shall have the right to complete and/or cause the completion of the Project itself and/or through such other contractor(s) as County determines to be appropriate; provided that all work done in connection with such completion shall be in compliance with County's standards for road work. The costs of any necessary and approved completion work shall be considered part of the Project.

7. **Appropriation of Project Costs.** Each Party represents and warrants to the other that, as of the Effective Date of this Agreement, the governing body of each Party hereto has identified, appropriated, and set aside sufficient monies to fund the costs of the Project pursuant to the terms of this Agreement.
8. **Completion of the Project; Ownership of Project Improvements.** Completion of the Project shall occur upon the Parties' final inspection of the Project and when certified as complete by County and District's Engineers. Upon completion of the Project, the City, at its sole cost and expense, will be responsible for all maintenance and repairs relating any portion of the Project located within the Sugar Land city limits.
9. **Inspection and Deficiencies.** City shall have the right to enter the Project site and inspect the work performed by County for the Project. Within ten (10) business days of completion of the Project, City shall notify County in writing of any complaints regarding any deficiencies and the quality of workmanship by County for the Project. County shall address and correct such deficiencies within a reasonable time, if the County Engineer determines that such deficiencies are actionable under the terms of the County's Construction Contract(s). Notwithstanding the foregoing, all final decisions regarding the correction of any deficiencies shall be at the County's sole discretion.
10. **Time of Performance.** Time for performance of the obligations of the Parties hereunder shall commence no later than four (4) months after the Effective Date of this Agreement, or within such time as may be extended by the Parties.
11. **Notice.** Any and all notices required or permitted under this Agreement shall be in writing and shall be properly addressed and sent via personal delivery, US first class postage prepaid, registered or certified mail, return receipt requested, Federal Express, Express Mail, or other overnight delivery service as follows:

If to County: Fort Bend County Engineering Department
Attn: County Engineer
301 Jackson St.
Richmond, Texas 77469

And Fort Bend County, Texas
Attn: County Judge
401 Jackson St, 1st Floor
Richmond, Texas 77469

If to City:

City of Sugar Land
Attn: City Manager 2700 Town
Center Blvd. N.
Sugar Land, Texas 77479

12. **Entire Agreement and Modification.** This Agreement constitutes the entire Agreement between the Parties and supersedes any and all previous agreements, written or oral, pertaining to the subject matter of this Agreement. This Agreement may only be amended or modified by written agreement executed by both Parties.
13. **No Waiver of Immunity.** Neither the execution of this Agreement nor any other conduct of either Party to this Agreement shall be considered a waiver or surrender of its governmental powers or immunity under the Texas Constitution or the laws of the State of Texas.
14. **Benefit.** This Agreement shall be for the sole and exclusive benefit of County and City and shall not be construed to confer any benefit or right upon any other party.
15. **Applicable Law and Venue.** This Agreement shall be construed according to the laws of the state of Texas. Venue for any claim arising out of or relating to the subject matter of this Agreement shall lie in a court of competent jurisdiction of Fort Bend County, Texas.
16. **Assignment.** Neither Party may assign its rights, duties, or obligations hereunder, without the prior written consent of the other, which consent shall not be unreasonably withheld.
17. **Severability.** In case any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision hereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.
18. **Effective Date.** The Effective Date of this Agreement shall be the date this Agreement is signed by the last Party hereto.
19. **Captions.** The section captions used in this Agreement are for convenience of reference only and do not affect the interpretation or construction of the Agreement.
20. **Electronic and Digital Signatures.** The Parties to this Agreement agree that any electronic and/or digital signatures of the Parties included in this Agreement are intended to authenticate this writing and shall have the same force and effect as the use of manual signatures.

21. **Multiple Counterparts.** This Agreement may be executed in multiple counterparts, each having equal force and effect of an original.
22. **Human Trafficking.** BY ACCEPTANCE OF THIS AGREEMENT, CITY ACKNOWLEDGES THAT FORT BEND COUNTY, TEXAS IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.
23. **Authorization.** This Agreement shall become binding and effective only after it has been authorized and approved by the governing bodies of each Party, as evidenced by the signature of the appropriate authority. Each Party further represents that, by execution of this Agreement, it has been duly authorized by its governing body or other appropriate authority from whom such Party is legally bound to obtain authorization.

{EXECUTION PAGE FOLLOWS}

FORT BEND COUNTY, TEXAS

CITY OF SUGAR LAND, TEXAS

KP George
KP George, County Judge

[Signature]
Name – Signature

12.19.2023
Date

Michael W. Goodrum
Name - Printed Name

ATTEST:



City Manager
Title

Laura Richard
Laura Richard, County Clerk

ATTEST:

APPROVED:

[Signature]
Name – Signature

J. Stacy Slawinski
J. Stacy Slawinski, P.E.,
County Engineer

MOORE
Name – Printed
Deputy City Secretary
Title

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$ 500,000.00 to accomplish and pay the obligation of Fort Bend County, Texas under this Agreement.

[Signature]
Robert E. Sturdivant,
County Auditor

EXHIBIT A

(Follows Behind)

CONSTRUCTION COST ESTIMATE

Project: Widening and Reconstruction of Ransom Road
Limit From: Sugar Land City Limit
Limit To: SH 99
Job No: 17102
Prepared By: R.G. Miller Engineers, Inc
Date: 07/01/22

Summary of Estimate	
Stage:	
Total Amount for Roadway:	
Grant Total Amount:	
Contingencies:	
Grand Total Project:	

ITEM NO.	SPEC NO.	FBC/TxDOT IDENTIFIER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
SECTION 1 - SITE PREPARATION AND EARTHWORK							
1	102	H00102002	Clearing and Grubbing	STA	30	\$1,088.00	\$32,640.00
2	104	H00104001	Remove Old Concrete(Pavement)	SY	548	\$10.58	\$5,795.49
3	104	H00104001	Remove Old Concrete(Pavement) (Driveways)	SY	826	\$10.58	\$8,739.08
4	104	H00104002	Remove Old Concrete(Curb)	LF	1,096	\$3.00	\$3,288.00
5	104		Sawcut Existing Pavement	LF	42	\$1.00	\$42.00
6	110	H00110001	Roadway Excavation Including 3" Topsoil	CY	5,896	\$12.94	\$76,294.24
7	110		Ditch Excavation	CY	220	\$8.00	\$1,760.00
8	130/132		Channel Embankment/Borrow	CY	5,270	\$16.14	\$85,057.80
9	495	H00495003	Remove Old Structure (Pipes)	LF	568	\$12.94	\$7,349.92
10	495	H00495004	Remove Old Structures - Headwalls Including Wingwalls	EA	1	\$201.75	\$201.75
11	495	H00495005	Remove Old Structures - Safety End Treatments	EA	10	\$250.00	\$2,500.00
12	495	H00495008	Removing Old Structures - Manholes (All Depths)	EA	1	\$500.00	\$500.00
13	500	H00500002	Remove & Relocate Signs	EA	2	\$120.00	\$240.00
14	500	H00500003	Remove Existing Roadway Sign	EA	6	\$72.50	\$435.00
15	540	H00540001	Remove and Dispose Existing Asphalt Surface and Base Materials (All Depths)	SY	12,854	\$5.57	\$71,596.78
SUBTOTAL SECTION 1 - SITE PREPARATION AND EARTHWORK (Bid Items 1 - 15):							\$298,440.06
SECTION 2 - PAVING							
16	220	H00220002	Lime Treatment (8" Depth)	SY	13,375	\$2.88	\$38,520.32
17	221	H00221001	Hydrated Lime (Slurry) or Commercial Lime Slurry	TON	491	\$187.86	\$92,176.51
18	247	6053	FL BS (CMP IN PLC)(TYD GR1-2)(FNAL POS)	CY	78	\$44.37	\$3,471.96
19	260	3012	LIME(HYD,COM OR QK)(SLRY)OR QK(DRY)	TON	38	\$176.69	\$6,719.52
20	260	6079	LIME TRT (SUBGRADE)(6")	SY	2,817	\$3.95	\$11,127.15
21	275	6003	CEMENT TREAT (NEW BASE) (6")	SY	2,817	\$1.42	\$4,000.14
22	360	H00360001	Concrete Pavement (8")	SY	13,242	\$50.25	\$665,410.50
23	360		CONC PVMT (Fast Track) (8")	SY	2,201	\$59.13	\$130,145.13
24	360	3027	CURB (TYPE II)	LF	1,763	\$48.31	\$85,170.53
25	432	6003	RIPRAP (CONC)(6 IN)	CY	176	\$600.00	\$105,755.56
25	530	H00530001	Reinforced Concrete Sidewalk (4-1/2")	SY	585	\$40.17	\$23,499.45
26	530	H00530004	Reinforced Concrete Curb - 6"	LF	4,966	\$2.82	\$14,004.12
27	530	H00530009	Reinforced Concrete Driveway (8")	SY	925	\$67.00	\$61,975.00
28	530	H00530016	ADA Ramp - Type 7	EA	2	\$1,482.86	\$2,965.72
29	535	H00535002	Medians and Directional Islands	SY	529	\$62.50	\$33,048.61
30	536	H00536001	Coloring Concrete For Median Noses (6" Thick)	SY	36	\$3.50	\$126.00
SUBTOTAL SECTION 2 - PAVING (Bid Items 16 - 30):							\$1,278,116.21
SECTION 3 - STORM SEWER							
31	421	H00421005	Structural Concrete (Wingwalls)	CY	8	\$642.50	\$5,140.00
32	421	H00421006	Structural Concrete (Headwalls)	CY	12	\$1,500.00	\$18,000.00
33	429	H00429001	Trench Safety System (5'-10')	LF	2,347	\$0.35	\$821.45
34	434	H00434001	Flowable Fill	CY	120	\$135.00	\$16,200.00
35	460	H00460004	Reinforced Concrete Pipe, C76, Class III, Rubber Gasket (24")	LF	481	\$70.50	\$33,910.50
36	467	6142	SET (TY I)(S= 4 FT)(HW= 3 FT)(6:1) (P)	EA	2	\$10,000.00	\$20,000.00
37	471	H00471007	Precast Manhole on RBC	EA	6	\$3,000.00	\$18,000.00
38	471		Junction Box (3' X 5')	EA	8	\$4,000.00	\$32,000.00
39	472		Type H-2 Inlet	EA	10	\$3,500.00	\$35,000.00

CONSTRUCTION COST ESTIMATE

Project: Widening and Reconstruction of Ransom Road
Limit From: Sugar Land City Limit
Limit To: SH 99
Job No: 17102
Prepared By: R.G. Miller Engineers, Inc
Date: 07/01/22

Summary of Estimate	
Stage:	
Total Amount for Roadway:	
Grant Total Amount:	
Contingencies:	
Grand Total Project:	

ITEM NO.	SPEC NO.	FBC/TxDOT IDENTIFIER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
40	472	H00472001	Type A Inlet	EA	1	\$2,048.67	\$2,048.67
41	472	H00472002	Modified Type A Inlet	EA	5	\$2,500.00	\$12,500.00
42	480	H00480003	Concrete Box Culvert (4' X 2')	LF	1,086	\$200.00	\$217,200.00
43	480	H00480004	Concrete Box Culvert (4' X 3')	LF	780	\$217.78	\$169,868.40
SUBTOTAL SECTION 3 - STORM SEWER (Bid Items 31 - 43):							\$580,689.02
SECTION 4 - WATERLINE (CITY OF SUGAR LAND)							
45	Section No. 31 23 33		Trench Safety System (All depths)	LF	2,165	\$1.00	\$2,165.00
46	Section No. 33 12 19		Fire Hydrant Assembly, all depths, including 6-inch diameter gate valve and box, and tee	EA	8	\$4,500.00	\$36,000.00
47	Section No. 33 11 13		Furnish and install 12-inch diameter water line by open cut	LF	2,165	\$120.00	\$259,800.00
48	Section No. 33 11 13		Bore & jack 12" water line with 18" diameter steel casing pipe (include fittings, appurtenances, access pits, shoring, all types of bedding and backfill)	LF	439	\$150.00	\$65,850.00
49	Section No. 33 11 13		Furnish and install 12" PVC Waterline by Auger/Bore (Includes Fittings and All Appurtenances)	LF	123	\$100.00	\$12,300.00
50	Section No. 33 11 13.11		12" Water Line Wet Connection	EA	2	\$1,500.00	\$3,000.00
51	Section No. 33 12 16.23		Furnish and Install 12" Gate Valve and Box, Complete in Place	EA	7	\$3,000.00	\$21,000.00
52	Section No. 01 56 26		Install safety fencing for excavations	LF	192	\$10.00	\$1,920.00
53	Section No. 31 23 33		Dewatering for 12" Water Line	LF	150	\$15.00	\$2,250.00
54	Section No. 01 71 13		Temporary bracing for existing power pole	LS	1	\$3,000.00	\$3,000.00
SUBTOTAL SECTION 4 - WATERLINE (CITY OF SUGAR LAND) (Bid Items 45 - 54):							\$407,285.00
SECTION 5 - SIGNING AND PAVEMENT MARKINGS							
55	624	H00624001	Aluminum Signs (Ground Mounted) - Furnish & Install	EA	11	\$291.30	\$3,204.30
56	660	H00660001	Painted Curb (Yellow)	LF	50	\$1.00	\$50.00
57	660	H00660005	ReflectORIZED Pavement Markings - Type I (Thermoplastic) 4" Yellow/Dashed - Furnished & Applied	LF	2,645	\$0.50	\$1,322.50
58	660	H00660006	ReflectORIZED Pavement Markings - Type I (Thermoplastic) 4" Yellow/Solid - Furnished & Applied	LF	35,777	\$0.74	\$26,474.98
59	660	H00660010	ReflectORIZED Pavement Markings - Type I (Thermoplastic) 8" White/Solid - Furnished & Applied	LF	895	\$1.33	\$1,190.35
60	660	H00660013	ReflectORIZED Pavement Markings - Type I (Thermoplastic) 24" White/Solid - Furnished & Applied	LF	145	\$5.86	\$849.70
61	660	H00660015	ReflectORIZED Pavement Markings Type I (Thermoplastic), Single Arrow-LEFT - Furnished & Applied	EA	7	\$132.50	\$927.50
62	661	H00660016	ReflectORIZED Pavement Markings Type I (Thermoplastic), Single Arrow-RIGHT - Furnished & Applied	EA	6	\$130.67	\$784.02
63	660	H00660018	ReflectORIZED Pavement Markings Type I (Thermoplastic), Word ONLY - Furnished & Applied	EA	7	\$138.30	\$968.10
64	663	H00663003	ReflectORIZED Pavement Markers Type II-A-A Yellow - Furnish & Install	EA	253	\$3.74	\$946.22
65	663	H00663006	ReflectORIZED Pavement Marking Type I-C (4")	EA	88	\$2.90	\$255.20
66	671	H00671005	Fort Bend Project Sign	EA	4	\$976.46	\$3,905.84
67	674	H00674007	Removing Pavement Striping & Markings (4" Width, Any Color/Dashed) (15' Over 40')	LF	4,417	\$2.00	\$8,834.00
SUBTOTAL SECTION 5 - SIGNING AND PAVEMENT MARKINGS (Bid Items 55 - 67):							\$49,712.71
SECTION 6 - TRAFFIC CONTROL PLAN							
68	685	H00665003	Work Zone Pavement Markings 4" White/Solid (Removable) Furnished - Applied, Removed	LF	7,535	\$0.60	\$4,521.00
69	686	H00665006	Work Zone Pavement Markings 4" Yellow/Solid (Removable) Furnished - Applied, Removed	LF	27,272	\$0.60	\$16,363.20
70	686	H00665008	Work Zone Pavement Markings 8" White/Solid (Removable) Furnished - Applied, Removed	LF	840	\$1.54	\$1,293.60
71	686		Work Zone Pavement Markings 8" Yellow/Solid (Removable) Furnished - Applied, Removed	LF	385	\$1.85	\$675.25
72	666	H00665011	Work Zone Pavement Markings 24" White/Solid (Removable) Furnished - Applied, Removed	LF	100	\$2.00	\$200.00
73	671	H00671003	Traffic Control - Barricades, Barriers, Barrels, Cones and Signing	MO	12	\$1,786.88	\$21,442.56
74	673	H00673001	Constructing Detours (8" Black Base)	SY	1,349	\$52.67	\$71,051.83

CONSTRUCTION COST ESTIMATE


Project: Widening and Reconstruction of Ransom Road
Limit From: Sugar Land City Limit
Limit To: SH 99
Job No: 17102
Prepared By: R.G. Miller Engineers, Inc
Date: 07/01/22

Summary of Estimate		
Stage:	100% Submittal	
Total Amount for Roadway:	\$2,821,772.85	
Grant Total Amount:	\$2,821,772.85	
Contingencies:	5%	\$141,088.64
Grand Total Project:	\$2,962,861.49	

ITEM NO.	SPEC NO.	FBC/TxDOT IDENTIFIER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
SUBTOTAL SECTION 6 - TRAFFIC CONTROL PLAN (Bid Items 68 - 74):							\$115,547.44
SECTION 7 - STORM WATER POLLUTION PREVENTION PLAN							
75	162	H00162001	Sodding for Erosion Control (Various Widths)	SY	746	\$3.50	\$2,611.00
76	165	H00165001	Hydro-Mulch Seeding	AC	2.20	\$1,434.29	\$3,155.44
77	713	H00713001	Reinforced Filter Fabric Barrier (60% of unit cost for furnish and installation and 40% of unit cost for removal)	LF	5,475	\$1.97	\$10,785.75
78	719	H00719003	Inlet Protection Barrier (Stage 1. With Fiber Rolls; 60% of unit cost for furnish and installation, and 40% of unit cost for removal)	EA	14	\$35.00	\$490.00
79	724	H00724001	Stabilized Construction Access (Type 1-Rock; 60% of unit cost for furnish and installation, and 40% of unit cost for removal)	SY	90	\$18.98	\$1,708.20
80	730	H00730001	Concrete Truck Washout Structures (60% of unit cost for furnish and installation, and 40% of unit cost for removal)	EA	1	\$512.00	\$512.00
81	741	H00741001	Inlet Protection Barrier (For Stage II Inlets, Gravel Bags; 60% of unit cost for furnish and installation, and 40% of unit cost removal)	EA	14	\$18.25	\$255.50
82	751	H00751001	SWPPP Inspection and Maintenance (\$6,000 Min. Bid - Required.)	MO	12	\$2,928.71	\$35,144.52
SUBTOTAL SECTION 7 - STORM WATER POLLUTION PREVENTION PLAN (Bid Items 75 - 82):							\$54,662.41
SECTION 8 - EXTRA WORK ITEMS							
83	672	H00672001	Off Duty Uniformed Officer-As Directed by the Engineer (Min Bid. \$25/HR)	HR	500.00	\$25.00	\$12,500.00
84	436	H00436002	Well Pointing	LF	500.00	\$20.00	\$10,000.00
85	434	H00434001	Flowable Fill	CY	32.00	\$135.00	\$4,320.00
86	559	H00559001	Construction Safety Fence	LF	5,000.00	\$2.50	\$12,500.00
SUBTOTAL SECTION 8 - EXTRA WORK ITEMS (Bid Items 83 - 86):							\$39,320.00



RANSOM RD. WATERLINE PROJECT


 APRIL 2021

0 90 180 360 540 720 Feet

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