

OLD FITZHUGH ROAD

30% ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST (EOPCC)

DISTRICT: AUSTIN
COUNTY: HAYS
CSJ: TBD
DATE: 9/13/2022



HDR Engineering, Inc. Firm F-754

Unit prices are Engineer's Opinion on Probable Construction Costs (EOPCC) based on Engineer's previous experience and qualifications which represents the Engineer's judgment as a design professional familiar with the construction industry. Quantities identified in the EOPCC have been estimated by HDR Engineering, Inc. The Engineer neither makes representation nor accepts responsibility as to the accuracy of these quantities as stated below. The Engineer cannot and does not guarantee that the proposals, bids, or actual construction costs will not vary from these estimates of probable costs prepared for the Owner or the intended recipient of this document.

DESCRIPTION

For the reconstruction of Old Fitzhugh Road including lime stabilized base, flexible base, asphalt, curb, gutter, parking turnouts, driveways, exposed aggregate sidewalk, flagstone sidewalk, illumination, storm sewer, extended detention ponds, and landscaping.

ITEM	ITEM DESCRIPTION	UNIT	UNIT PRICE ¹	Old Fitz	
				QUANTITY	COST

SUMMARY OF TRAFFIC CONTROL QUANTITIES

803S-MO	BARRIAGES, SIGNS, AND TRAFFIC HANDLING	MO	\$ 8,000.00	6	\$ 48,000.00
			SUBTOTAL:		\$ 48,000.00

SUMMARY OF REMOVAL QUANTITIES

0100 6002	PREPARING ROW	STA	\$ 4,000.00	33	\$ 132,000.00
0106 6002	OBLITERATING ABANDONED ROAD	SY	\$ 8.00	8,010	\$ 64,080.00
0496 6016	REMOV STR (PIPE)	EA	\$ 500.00	9	\$ 4,500.00
7211 6041	REMOVE ASPHALT DRIVEWAY PAVEMENT	SY	\$ 12.00	734	\$ 8,808.00
7211 6042	REMOVE CONCRETE DRIVEWAY PAVEMENT	SY	\$ 18.00	721	\$ 12,978.00
			SUBTOTAL:		\$ 222,366.00

SUMMARY OF ROADWAY QUANTITIES

110 6001	EXCAVATION (ROADWAY)	CY	\$ 15.00	1,408	\$ 21,120.00
132 6004	EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	\$ 15.00	5,935	\$ 89,025.00
132 6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	\$ 18.00	5,175	\$ 93,150.00
247 6366	FL BS (CMP IN PLC)(TY A GR 5)(FNAL POS)	CY	\$ 65.00	4,014	\$ 260,910.00
340 6011	D-GR HMA(SQ) TY-B PG64-22	TON	\$ 240.00	50	\$ 12,000.00
340 6122	D-GR HMA(SQ) TY-D PG70-22	TON	\$ 160.00	1,204	\$ 192,640.00
5001 6002	GEOGRID BASE REINFORCEMENT (TY II)	SY	\$ 5.00	10,353	\$ 51,765.00
529 6008	CONC CURB & GUTTER (TY II)	LF	\$ 30.00	2,827	\$ 84,810.00
529 6038	CONC CURB (RIBBON)	LF	\$ 25.00	2,913	\$ 72,825.00
530 6004	DRIVEWAYS (CONC)	SY	\$ 85.00	717	\$ 60,945.00
530 6007	TURNOUTS (CONC)	SY	\$ 85.00	467	\$ 39,695.00
530 7001	SPEED TABLE	SY	\$ 130.00	340	\$ 44,200.00
530 7002	DRIVEWAYS (GRAVEL)	SY	\$ 30.00	489	\$ 14,670.00
			SUBTOTAL:		\$ 1,037,755.00

SUMMARY OF PEDESTRIAN QUANTITIES

531 6002	CONC SIDEWALKS (5")	SY	\$ 110.00	2,936	\$ 322,960.00
531 6004	CURB RAMPS (TY 1)	EA	\$ 1,800.00	1	\$ 1,800.00
531 6010	CURB RAMPS (TY 7)	EA	\$ 2,500.00	4	\$ 10,000.00
531 7001	CONC SDWK (5") FLAGSTONE	SY	\$ 225.00	51	\$ 11,475.00
HARDSCAPE01	Identity Seat Wall	LF	\$ 150.00	75	\$ 11,250.00
HARDSCAPE02	Flagstone Paving	SF	\$ 25.00	1,400	\$ 35,000.00
HARDSCAPE03	Bench	EA	\$ 1,500.00	6	\$ 9,000.00
HARDSCAPE04	Trash and Recycle Receptacles	EA	\$ 2,000.00	8	\$ 16,000.00
HARDSCAPE05	Bike Rack	EA	\$ 800.00	8	\$ 6,400.00
HARDSCAPE06	Pet Station	EA	\$ 600.00	4	\$ 2,400.00
			SUBTOTAL:		\$ 426,285.00

SUMMARY OF DRAINAGE QUANTITIES

111S-A	EXCAVATION	CY	\$ 14.00	701	\$ 9,814.00
132S-A	EMBANKMENT	CY	\$ 12.00	373	\$ 4,476.00
506S-M60	STANDARD PRE-CAST MANHOLE W/PRE-CAST BASE, 60-INCH DIA.	EA	\$ 8,000.00	12	\$ 96,000.00
508S-H24	SLOPED HEADWALL FOR 24" RCP	EA	\$ 2,000.00	2	\$ 4,000.00
508S-H36	SLOPED HEADWALL FOR 36" RCP	EA	\$ 4,000.00	2	\$ 8,000.00
508S-I10S	INLET, STANDARD-10	EA	\$ 10,000.00	15	\$ 150,000.00
508S-I15S	INLET, STANDARD-15	EA	\$ 12,000.00	2	\$ 24,000.00
508S-OUT	4' x 4' OUTLET DRAINAGE STRUCTURE	EA	\$ 8,000.00	2	\$ 16,000.00
510-ASD24	PIPE, 24" DIA. (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	LF	\$ 140.00	1,856	\$ 259,840.00
510-ASD30	PIPE, 30" DIA. (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	LF	\$ 180.00	906	\$ 163,080.00
510-ASD36	PIPE, 36" DIA. (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	LF	\$ 260.00	1,178	\$ 306,280.00
591S-A12	ROCK RIPRAP D50=12"	SY	\$ 140.00	247	\$ 34,580.00
591S-A18	ROCK RIPRAP D50=18"	SY	\$ 160.00	140	\$ 22,400.00
			SUBTOTAL:		\$ 1,098,470.00

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				QUANTITY	COST

SUMMARY OF ILLUMINATION QUANTITIES

0416 6003	DRILL SHAFT (30 IN)	LF	\$ 300.00	64	\$ 19,200.00
0432 6001	RIPRAP (CONC)(4 IN)	CY	\$ 500.00	3	\$ 1,680.00
0610 7001	LED DECORATIVE ILLUMINATION ASSEMBLY (TYPE A)	EA	\$ 5,000.00	8	\$ 40,000.00
0618 6023	CONDT (PVC) (SCH 40) (2")	LF	\$ 15.00	3,271	\$ 49,065.00
0618 6024	CONDT (PVC) (SCH 40) (2") (BORE)	LF	\$ 35.00	204	\$ 7,140.00
0618 6049	CONDT (PVC) (SCH 80) (2") (CONC ENCSE)	LF	\$ 22.00	114	\$ 2,508.00
0620 6009	ELEC CONDR (NO.6) BARE	LF	\$ 3.00	3,473	\$ 10,419.00
0620 6010	ELEC CONDR (NO.6) INSULATED	LF	\$ 3.50	6,946	\$ 24,311.00
0624 6002	GROUND BOX TY A (122311)W/APRON	EA	\$ 1,300.00	3	\$ 3,900.00
0628 6144	ELC SRV TY D 120/240 060(NS)SS(E)PS(U)	EA	\$ 8,000.00	1	\$ 8,000.00
SUBTOTAL:					\$ 166,223.00

SUMMARY OF LANDSCAPE QUANTITIES

LANDSCAPE01	Existing Tree Removal	EA	\$ 800.00	7	\$ 5,600.00
LANDSCAPE02	New Street Trees - 4" Caliper	EA	\$ 2,000.00	96	\$ 192,000.00
LANDSCAPE03	Landscape Planting	SF	\$ 12.00	30,000	\$ 360,000.00
LANDSCAPE04	Block Sodding	SY	\$ 5.00	3,700	\$ 18,500.00
LANDSCAPE05	Topsoil/ Fine Grading	CY	\$ 85.00	400	\$ 34,000.00
LANDSCAPE06	Mulch	CY	\$ 85.00	190	\$ 16,150.00
LANDSCAPE07	Irrigation System	LS	\$ 90,000.00	1	\$ 90,000.00
SUBTOTAL:					\$ 716,250.00

SUMMARY OF CONSTRUCTION COSTS

SUMMARY OF TRAFFIC CONTROL QUANTITIES	\$ 48,000.00
SUMMARY OF REMOVAL QUANTITIES	\$ 222,366.00
SUMMARY OF ROADWAY QUANTITIES	\$ 1,037,755.00
SUMMARY OF PEDESTRIAN QUANTITIES	\$ 426,285.00
SUMMARY OF DRAINAGE QUANTITIES	\$ 1,098,470.00
SUMMARY OF ILLUMINATION QUANTITIES	\$ 166,223.00
SUMMARY OF LANDSCAPE QUANTITIES	\$ 716,250.00
PROJECT SUBTOTAL:	\$ 3,715,349.00

MISCELLANEOUS ITEMS

700S-TM	TOTAL MOBILIZATION PAYMENT	LS	10%	\$ 371,534.90
	SIGNING AND PAVEMENT MARKINGS	LS	1%	\$ 37,153.49
	TEMPORARY & PERMANENT EROSION CONTROL	LS	3%	\$ 111,460.47
	UTILITY RELOCATIONS AND ADJUSTMENTS ²	LS	8%	\$ 297,227.92
	CONTINGENCY	LS	20%	\$ 743,069.80

TOTAL CONSTRUCTION COST (CURRENT YEAR):	2022	\$ 5,275,795.58
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TOTAL CONSTRUCTION COST (YEAR OF EXPENDITURE) ADJUSTED FOR INFLATION:	2023	13%	\$ 5,962,000.00
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PROGRAM COSTS

	CONSTRUCTION EASEMENTS	LS	4%	\$ 148,613.96
	CONSTRUCTION ENGINEERING & INSPECTION	LS	10%	\$ 371,534.90

GRAND TOTAL PROJECT COST:	\$ 6,482,148.86
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ADD ALTERNATIVES

DS-005	LOW VOLTAGE PATHWAY LIGHTING	EA	\$ 1,700.00	350	\$ 595,000.00
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- Unit Prices based on TxDOT 3-month unit prices and Engineering Judgement.
- Utility relocation costs may not be incurred under this project.