

BASE BID ITEMS: Medina City Railroad Improvements					Engineer's Estimate		Wintrow Construction		Railworks Track Services	
ITEM NO	REFERENCE	DESCRIPTION	QTY	UNIT	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL
EARTHWORK & REMOVAL ITEMS										
1	ODOT/SC	ODOT 201 Clearing and Grubbing, complete	1	Lump Sum	\$5,000.01	\$5,000.01	\$5,775.00	\$5,775.00	\$1,558.00	\$1,558.00
2	ODOT/SC	ODOT 203 Excavation, not including embankment, including removal and disposal of excess material off site, ditch shaping per the plan cross sections, and fine grading.	550	Cubic Yard	\$54.80	\$30,142.70	\$21.00	\$11,550.00	\$88.00	\$48,400.00
3	ODOT/SC	ODOT 203 Embankment, not including excavation, including using onsite excavated material as embankment.	15	Cubic Yard	\$35.00	\$525.00	\$31.50	\$472.50	\$71.00	\$1,065.00
4	MEDINA	Roadway Pavement Removal, as per plan (including 12" to 16" concrete or asphalt pavement, concrete curb, including sawcutting (street only))	157	Square Yard	\$20.00	\$3,140.00	\$33.84	\$5,312.88	\$64.00	\$10,048.00
5	ODOT	ODOT 202 Walk Removed	142	Square Foot	\$2.00	\$284.00	\$17.60	\$2,499.20	\$8.00	\$1,136.00
SUBTOTAL, EARTHWORK & REMOVAL ITEMS:						\$39,091.71		\$25,609.58		\$62,207.00

PAVEMENT										
6	MEDINA	Concrete Sidewalk, Four (4) inch thick fiber reinforced Type QC1 concrete, complete in place	142	Square Foot	\$10.00	\$1,420.00	\$42.00	\$5,964.00	\$21.00	\$2,982.00
7	ODOT	ODOT Item 609 Concrete Curb, Type 6, complete in place per plan detail	11	Lineal Foot	\$30.00	\$330.00	\$420.00	\$4,620.00	\$91.00	\$1,001.00
8	ODOT	ODOT 304 Aggregate Base (including furnishing and installing aggregate base)	35	Cubic Yard	\$57.00	\$1,995.00	\$67.50	\$2,362.50	\$143.00	\$5,005.00
9	ODOT	ODOT 301 Bituminous Aggregate Base (including furnishing and installing asphalt base material)	44	Cubic Yard	\$300.00	\$13,200.00	\$505.01	\$22,220.44	\$461.00	\$20,284.00
10a	ODOT	ODOT Item 441 Asphalt Concrete Intermediate Course, Type 2, PG-64-22 (including furnishing and installing asphalt intermediate course)	10	Cubic Yard	\$600.00	\$6,000.00	\$505.01	\$5,050.10	\$630.00	\$6,300.00
10b	ODOT	ODOT Item 441 Asphalt Concrete Surface Course, Type 2, PG-64-22 (including furnishing and installing asphalt surface course)	8	Cubic Yard	\$700.00	\$5,600.00	\$505.01	\$4,040.08	\$545.00	\$4,360.00
11	ODOT	ODOT Item 407 Tack Coat	40	Gallon	\$10.00	\$400.00	\$9.75	\$390.00	\$5.00	\$200.00
12	MEDINA	Type 57 and Type 8 Limestone Aggregate for Drive Repair adjacent to new concrete drive apron (includes furnishing and installing aggregate) complete in place as per plan detail	6	Square Yard	\$40.00	\$240.00	\$62.72	\$376.32	\$104.00	\$624.00

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PAVEMENT (Continued)											
SUBTOTAL, PAVEMENT ITEMS:							\$29,185.00	\$45,023.44	\$40,756.00		

STORM SEWER										
ITEM NO	REFERENCE	DESCRIPTION	QTY	UNIT	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL
13	ODOT/SC	ODOT 202 Storm Structure Removed, in same location as the proposed storm structure, not including excavation or backfill	2	Each	\$500.00	\$1,000.00	\$525.00	\$1,050.00	\$1,032.00	\$2,064.00
14	ODOT/SC	ODOT 202 Storm Sewer Pipe Removed, 24-inch diameter and under, NOT including excavation, trenching or backfilling	62	Lineal Foot	\$10.00	\$620.00	\$21.00	\$1,302.00	\$32.00	\$1,984.00
15a	MEDINA	Standard Storm Manhole, complete in place	3	Each	\$3,500.00	\$10,500.00	\$3,990.00	\$11,970.00	\$6,006.00	\$18,018.00
15b	MEDINA	Standard 2-2A Catch Basin, complete in place	7	Each	\$2,500.00	\$17,500.00	\$1,995.00	\$13,965.00	\$2,292.00	\$16,044.00
15c	MEDINA	Standard 2-3 Catch Basin, complete in place	1	Each	\$3,000.00	\$3,000.00	\$2,520.00	\$2,520.00	\$4,415.00	\$4,415.00
16a	MEDINA	Storm Sewer, 8-inch diameter PVC SDR-35 (ODOT Item 707.45), outside of track areas (acceptable natural fill permitted) as per plan (including trenching, furnishing and installing bedding, and backfill)	124	Lineal Foot	\$45.00	\$5,580.00	\$74.55	\$9,244.20	\$58.00	\$7,192.00
16b	MEDINA	Storm Sewer, 12-inch diameter PVC-SDR-35 (ODOT Item 707.45), within casing pipe in track areas (premium fill required) as per plan (including trenching, furnishing and installing bedding, and backfill, NOT including casing pipe)	113	Lineal Foot	\$70.00	\$7,910.00	\$110.25	\$12,458.25	\$176.00	\$19,888.00
16c	MEDINA	Storm Sewer, 12-inch diameter HDPE (ODOT Item 707.33), outside of track areas (acceptable natural fill permitted) as per plan (including trenching, furnishing and installing bedding, and backfill)	225	Lineal Foot	\$64.00	\$14,400.00	\$72.45	\$16,301.25	\$68.00	\$15,300.00
16d	MEDINA	Storm Sewer, 15-inch diameter HDPE (ODOT Item 707.33), outside of track areas (acceptable natural fill permitted) as per plan (including trenching, furnishing and installing bedding, and backfill)	250	Lineal Foot	\$68.00	\$17,000.00	\$85.05	\$21,262.50	\$83.00	\$20,750.00
16e	MEDINA	Storm Sewer, 18-inch diameter HDPE (ODOT Item 707.33), outside of track areas (acceptable natural fill permitted) as per plan (including trenching, furnishing and installing bedding, and backfill)	250	Lineal Foot	\$75.00	\$18,750.00	\$93.45	\$23,362.50	\$83.00	\$20,750.00
16f	MEDINA	Storm Sewer, 24-inch diameter HDPE (ODOT Item 707.33), within pavement areas (premium fill required) as per plan (including trenching, furnishing and installing bedding, and backfill)	62	Lineal Foot	\$130.00	\$8,060.00	\$132.30	\$8,202.60	\$201.00	\$12,462.00

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STORM SEWER (Continued)										
16g	MEDINA	Storm Sewer, 24-inch diameter HDPE (ODOT Item 707.33), outside of track areas (acceptable natural fill permitted) as per plan (including trenching, furnishing and installing bedding, and backfill)	41	Lineal Foot	\$110.00	\$4,510.00	\$147.00	\$6,027.00	\$140.00	\$5,740.00
17	MEDINA	Twenty Four (24) inch Steel Pipe Encasement, (including encasement pipe, blocking, straps, rubber end caps, NOT including excavation, backfill or carrier pipe), complete per plan	54	Lineal Foot	\$200.00	\$10,800.00	\$341.25	\$18,427.50	\$493.00	\$26,622.00
18a	MEDINA	Geotextile Fabric Type 'B' (for use at storm sewer track crossing locations) complete per plan track section.	90	Square Yard	\$10.00	\$900.00	\$9.00	\$810.00	\$2.00	\$180.00
18b	MEDINA	Compacted Coarse Aggregate Sub-Ballast (for use at storm sewer track crossing locations) complete per plan track section.	30	Tons	\$57.00	\$1,710.00	\$42.56	\$1,276.80	\$31.00	\$930.00
18c	MEDINA	No. 4 Limestone Ballast (for use at storm sewer track crossing locations) complete per plan track section.	40	Tons	\$157.00	\$6,280.00	\$34.72	\$1,388.80	\$84.00	\$3,360.00
18d	MEDINA	Furnishing and Installing New Ties (7"x 9" x 8'-6" at each storm sewer track crossing location) complete	30	Each	\$125.00	\$3,750.00	\$117.60	\$3,528.00	\$199.00	\$5,970.00
19	MEDINA	Existing Rail Removal, Storage and Re-Installation (at each storm sewer track crossing location, including tie plates, fasteners and accessories) complete	3	Each	\$2,000.00	\$6,000.00	\$3,172.96	\$9,518.88	\$3,476.00	\$10,428.00
SUBTOTAL, STORM SEWER:						\$138,270.00		\$162,615.28		\$192,097.00

AT GRADE CROSSING REPLACEMENT										
ITEM NO	REFERENCE	DESCRIPTION	QTY	UNIT	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL
20a	MEDINA	Star Track HD Crossing Module, (16"x 5'-0"x 11'-0" including rail seal, pandrol clips, insulators and joint seal) or an approved equal, complete in place as per plan	1	Lump Sum	\$81,890.00	\$81,890.00	\$90,747.00	\$90,747.00	\$114,982.00	\$114,982.00
20b	MEDINA	Aggregate Base - 3/8 inch Pea Stone	4	Tons	\$61.00	\$244.00	\$89.50	\$358.00	\$26.00	\$104.00
20c	MEDINA	Compacted Coarse Aggregate (furnish, install and compact 304 aggregate sub-ballast) complete in place	75	Tons	\$57.00	\$4,275.00	\$33.60	\$2,520.00	\$69.00	\$5,175.00
20d	MEDINA	Geotextile Fabric Type 'B', complete per plan track section.	50	Square Yard	\$10.00	\$500.00	\$9.00	\$450.00	\$2.00	\$100.00
20e	MEDINA	Four (4) inch Construction Underdrain (including perforated PVC pipe and geotextile fabric wrap) complete in place per plan	100	Lineal Foot	\$13.50	\$1,350.00	\$8.90	\$890.00	\$26.00	\$2,600.00
20f	MEDINA	Six (6) inch Schedule 80 Conduit (for wiring for horn and flashers, NOT including wiring) complete in place per plan	100	Lineal Foot	\$27.00	\$2,700.00	\$10.18	\$1,018.00	\$23.00	\$2,300.00

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AT GRADE CROSSING REPLACEMENT (Continued)										
20g	MEDINA	115RE Salvaged Rail, (including furnishing and installing refurbished rail) complete in place as per plan	188	Lineal Foot	\$51.28	\$9,640.64	\$33.40	\$6,279.20	\$72.00	\$13,536.00
20h	MEDINA	Railroad Ties (7" x 9"x 10'-0" feet long) complete in place as per plan	16	Each	\$125.00	\$2,000.00	\$112.00	\$1,792.00	\$125.00	\$2,000.00
20i	MEDINA	No. 4 Limestone Ballast (including furnishing and installation) complete in place as per plan track section.	13	Tons	\$157.00	\$2,041.00	\$31.38	\$407.94	\$30.00	\$390.00
21	ODOT	ODOT 613 Low Strength Mortar Backfill, Type 2, complete in place as per plan	38	Cubic Yard	\$253.00	\$9,614.00	\$168.00	\$6,384.00	\$249.00	\$9,462.00
22	MEDINA	Welding including Rail Weld Kit, complete as per plan	5	Each	\$850.00	\$4,250.00	\$497.50	\$2,487.50	\$1,299.00	\$6,495.00
23	ODOT/SC	ODOT 202 Removal and Disposal of Existing Crossing Materials (including pre-cast crossing panels, ties, tracks, ballast and all other obstructions necessary for the reconstruction of the crossing) complete	1	Lump Sum	\$5,000.00	\$5,000.00	\$3,644.00	\$3,644.00	\$17,134.00	\$17,134.00
SUBTOTAL, CROSSING REPLACEMENT:						\$123,504.64		\$116,977.64		\$174,278.00
MAINTENANCE OF TRAFFIC										
24	ODOT	ODOT 614 Maintaining Traffic	1	Lump Sum	\$5,000.00	\$5,000.00	\$2,800.00	\$2,800.00	\$9,740.00	\$9,740.00
25	ODOT	ODOT 614 Detour Signing	1	Lump Sum	\$5,000.00	\$5,000.00	\$3,136.00	\$3,136.00	\$1,299.00	\$1,299.00
SUBTOTAL, CROSSING REPLACEMENT:						\$10,000.00		\$5,936.00		\$11,039.00
INCIDENTALS										
26	ODOT	ODOT 832 Erosion Control	7,500	Each	\$1.00	\$7,500.00	\$1.00	\$7,500.00	\$1.00	\$7,500.00
27	ODOT	ODOT 659 Commercial Fertilizer	0.15	Tons	\$1,000.00	\$150.00	\$840.00	\$126.00	\$30,302.00	\$4,545.30
28	ODOT/SC	ODOT 659 Seeding and Mulching	3,000	Square Yard	\$2.00	\$6,000.00	\$1.58	\$4,740.00	\$4.00	\$12,000.00

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INCIDENTALS (Continued)										
29	ODOT/SC	ODOT 624 Mobilization	1	Lump Sum	\$15,000.00	\$15,000.00	\$13,650.00	\$13,650.00	\$21,038.00	\$21,038.00
30	MEDINA	Pre-Construction Video	1	Lump Sum	\$1,500.00	\$1,500.00	\$750.00	\$750.00	\$3,247.00	\$3,247.00
31	MEDINA	Construction Layout	1	Lump Sum	\$3,500.00	\$3,500.00	\$7,875.00	\$7,875.00	\$12,987.00	\$12,987.00
32	ODOT	ODOT 103 Premium for Contract Performance Bond and Maintenance Bond	1	Lump Sum	\$3,500.00	\$3,500.00	\$4,750.00	\$4,750.00	\$4,545.00	\$4,545.00
SUBTOTAL, INCIDENTALS:						\$37,150.00		\$39,391.00		\$65,862.30

<u>SUMMARY - BASE BID</u>					Engineer's Estimate		Wintrow Construction		Railworks Track Services	
SUBTOTAL, EARTHWORK & REMOVAL ITEMS (Item #1 through #5):						\$39,091.71		\$25,609.58		\$62,207.00
SUBTOTAL, PAVEMENT (Item #6 through #12):						\$29,185.00		\$45,023.44		\$40,756.00
SUBTOTAL, STORM SEWER (Item #13 through #19):						\$138,270.00		\$162,615.28		\$192,097.00
SUBTOTAL, CROSSING REPLACEMENT (Item #20a through #23):						\$123,504.64		\$116,977.64		\$174,278.00
SUBTOTAL, MAINTENANCE OF TRAFFIC (Item #24 through #25):						\$10,000.00		\$5,936.00		\$11,039.00
SUBTOTAL, INCIDENTALS (Item #26 through #32):						\$37,150.00		\$39,391.00		\$65,862.30
GRAND TOTAL, BASE BID (Items #1 through #32):						\$377,201.35		\$395,552.94		\$546,239.30

BID ADDITIVE #1 BID - Medina City Railroad Improvements					Engineer's Estimate		Wintrow Construction		Railworks Track Services	
ITEM NO	REFERENCE	DESCRIPTION	QTY	UNIT	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL	UNIT COST	ITEM TOTAL
BID ADDITIVE #1 BID: Track Maintenance and Repair										
A1	MEDINA	Tie Removal and Replacement, including removing existing ties; furnishing and installing new ties (7"x 9"x 8'-6")	150	Each	\$135.00	\$20,250.00	\$157.50	\$23,625.00	\$199.00	\$29,850.00
A2	MEDINA	Tie Disposal	150	Each	\$15.00	\$2,250.00	\$6.83	\$1,024.50	\$20.00	\$3,000.00
A3	MEDINA	115RE Salvaged Rail, (including furnishing and installing refurbished rail) complete in place as per plan	156	Lineal Foot	\$51.28	\$8,000.00	\$211.05	\$32,923.80	\$180.00	\$28,080.00
A4	MEDINA	No. 4 Limestone Ballast	10	Tons	\$50.00	\$500.00	\$39.90	\$399.00	\$30.00	\$300.00
A5	MEDINA	Tighten Track Bolts (300 bolted joints, 4 bolts per joint)	20	Each	\$10.00	\$200.00	\$4.73	\$94.60	\$2,000.00	\$40,000.00
A6	MEDINA	Gauging Track	50	Track Foot	\$10.00	\$500.00	\$34.13	\$1,706.50	\$50.00	\$2,500.00
A7a	MEDINA	Tie Plates, furnish and install	20	Each	\$15.00	\$300.00	\$15.75	\$315.00	\$200.00	\$4,000.00
A7b	MEDINA	Track Bolt Unit, furnish and install	100	Each	\$7.50	\$750.00	\$7.88	\$788.00	\$50.00	\$5,000.00
A7c	MEDINA	Rail Anchor, furnish and install	50	Each	\$10.00	\$500.00	\$4.73	\$236.50	\$20.00	\$1,000.00
SUBTOTAL, BID ADDITIVE #1 BID - Track Maintenance and Repair:						\$33,250.00		\$61,112.90		\$113,730.00

COMPLETE BID SUMMARY				Engineer's Estimate		Wintrow Construction		Railworks Track Services	
GRAND TOTAL, BASE BID		ACTUAL		\$377,201.35		\$395,552.94		\$546,239.30	
		AS READ				\$395,552.94		\$546,239.30	
		BASE BID AS % OF ENGINEER'S ESTIMATE:				104.9%		144.8%	
GRAND TOTAL, BID ADDITIVE #1 BID		ACTUAL		\$33,250.00		\$61,112.90		\$113,730.00	
		AS READ				\$61,112.65		\$150,730.00	
		BASE BID AS % OF ENGINEER'S ESTIMATE:				183.8%		342.0%	
Final Completion Date:						Wednesday, May 31, 2023		Monday, July 31, 2023	
Non-Collusion Agreement:						Yes		Yes	
Buy America Certification:						Yes, No foreign steel		Yes, No foreign steel	
LPA DBE Participation:						Yes		Yes	
Bid Bond:						10% Bond		10% Bond	