



JOE CATTELL, PE, PS
Gauga County Engineer

November 7, 2019

Russell Township Board of Trustees
c/o Karen Walder, Fiscal Officer
8501 Kinsman Road
Novelty, OH 44072

RECEIVED NOV 07 2019

Re: Reconstruction of County Line Road, TR 93
Russell Township & Village of Hunting Valley
OPWC Project # DGU11, Disbursement No. 1
Project Pay Application No. 4

Dear Trustees:

Enclosed please find the documents related to the payment of the fourth invoice for the above referenced project. This office recommends payment of the invoice in the amount of \$125,261.55 to TRAX Construction Co. We recommend that the Township submit \$30,387.28 (Russell Township responsibility) to OPWC for payment and pay the remaining \$94,874.27 with local funds per the MOU for the project. Please authorize Mr. Justin Madden, Trustee and Ms. Karen Walder, Fiscal Officer to sign the Appendix E document.

Please return the signed Appendix E along with copies of the local warrants/checks for local match verification to this office and we will process the paperwork through the Ohio Public Works Commission.

A detailed breakdown of actual project construction costs, as outlined in the Construction Cost MOU has been included.

It is our understanding that certified payroll reports for this project are being directly sent to the Township by the Contractor.

Should you have any questions regarding this invoice or the items included herein, please let me know.

Sincerely,

Joe Cattell, PE, PS
Geauga County Engineer



Nicholas J. Gorris, PE
Deputy Engineer

Enclosure
cc: File

Trax Construction Co.
30701 Euclid Ave.
Wickliffe, OH 44092

Owner Russell Township
8501 Kinsman Rd.
Novelty, OH 44072

Project: The Reconstruction of County Line Road

PAY #4
REVISION RECEIVED 11.6.2019
V.1.1 Email
Date: 10/31/19

PAY REQUEST #4 Through October 25, 2019

Item No.	Description	Qty	Unit	Unit Price	Total	Previous Complete	Period Quantity	Complete This Period	Total Complete	Total Qty. Complete
1	Contract Performance Bond and Premium	1.00	LUMP	35,000.00	35,000.00	\$35,000.00		0.00	35,000.00	1.00
2	Clearing and Grubbing, As Per Plan	1.00	LUMP	70,389.90	70,389.90	\$66,870.41		0.00	66,870.41	0.95
3	Headwall Removed	5.00	EACH	575.00	2,875.00	\$2,875.00		0.00	2,875.00	5.00
4	Pavement Removed	104.00	SY	12.00	1,248.00	\$0.00		0.00	0.00	0.00
5	Walk Removed	32.00	SF	2.00	64.00	\$0.00		0.00	0.00	0.00
6	Steps Removed	1.00	LUMP	1,500.00	1,500.00	\$0.00		0.00	0.00	0.00
7	Concrete Barrier Removed	87.00	FEET	8.00	696.00	\$0.00		0.00	0.00	0.00
8	Pipe Removed, 24" and Under	4,529.00	FEET	8.00	36,232.00	\$18,880.00	649.00	5,192.00	24,072.00	3,009.00
9	Guardrail Removed	933.00	FEET	3.00	2,799.00	\$0.00		0.00	0.00	0.00
10	Catch Basin Removed	26.00	EACH	485.00	12,610.00	\$9,215.00	1.00	485.00	9,700.00	20.00
11	Fence Removed For Reuse, As Per Plan	380.00	FEET	13.00	4,940.00	\$2,249.00		0.00	2,249.00	173.00
12	Gale Removed For Reuse, As Per Plan	15.00	FEET	55.00	825.00	\$0.00		0.00	0.00	0.00
13	Removal Misc.: Railroad Ties	49.00	FEET	10.00	490.00	\$490.00		0.00	490.00	49.00
14	Removal Misc.: Stone Wall	93.00	FEET	22.00	2,046.00	\$946.00		0.00	946.00	43.00
15	Removal Misc.: Brick Walk	33.00	SF	50.00	1,650.00	\$700.00		0.00	700.00	14.00
16	Embankment, As Per Plan	8,307.00	CY	12.00	75,684.00	\$45,448.40	12.80	153.60	45,600.00	3,800.00
17	Excavation, As Per Plan	17,053.00	CY	10.00	170,530.00	\$102,318.00	68.20	682.00	103,000.00	10,300.00
18	Excavation (Drives)	473.00	CY	10.00	4,730.00	\$0.00		0.00	0.00	0.00
19	Proof Rolling	32.00	HOUR	100.00	3,200.00	\$0.00		0.00	0.00	0.00
20	Subgrade Compaction	45,307.00	SY	1.00	45,307.00	\$0.00		0.00	0.00	0.00
21	Subgrade Compaction (Drives)	2,469.00	SY	1.00	2,469.00	\$0.00		0.00	0.00	0.00
22	Portland Cement	1,355.00	TON	154.00	208,670.00	\$0.00		0.00	0.00	0.00
23	Cement Stabilized Subgrade, 12 Inches Deep (Min)	41,565.00	SY	3.00	124,695.00	\$0.00		0.00	0.00	0.00
24	Cement Stabilized Subgrade, Extra Volume	455.00	CY	5.00	2,275.00	\$0.00		0.00	0.00	0.00
25	Mixture Design for Chemically Stabilized Soils	1.00	LUMP	15,928.00	15,928.00	\$15,928.00		0.00	15,928.00	1.00
26	Pre-Grind, 12 Inches Deep (Min)	35,467.00	SY	2.00	70,934.00	\$0.00		0.00	0.00	0.00
27	Preparing Subgrade For Shoulder Paving, As Per Plan	363.00	STA	55.00	19,965.00	\$0.00		0.00	0.00	0.00
28	Pavement Planing, Asphalt Concrete (T=Variable)	787.00	SY	10.00	7,870.00	\$0.00		0.00	0.00	0.00
29	Guardrail, Type MGS	1,262.50	FEET	17.00	21,462.50	\$0.00		0.00	0.00	0.00
30	Anchor Assembly, MGS Type E-98	11.00	EACH	2,800.00	30,800.00	\$0.00		0.00	0.00	0.00
31	Anchor Assembly, MGS Type T	1.00	EACH	1,200.00	1,200.00	\$0.00		0.00	0.00	0.00
32	4" Concrete Walk	34.00	SF	10.00	340.00	\$0.00		0.00	0.00	0.00
33	Gas Valve Box Adjusted to Grade	1.00	EACH	25.00	25.00	\$0.00		0.00	0.00	0.00
34	Dust Control, Stabilization, As Per Plan	10.30	MGAL	500.00	5,150.00	\$0.00		0.00	0.00	0.00
35	Monument Assembly	26.00	EACH	500.00	13,000.00	\$0.00		0.00	0.00	0.00
36	Mailbox Support	10.00	EACH	79.00	790.00	\$0.00		0.00	0.00	0.00
37	Mailbox Removed And Reset	59.00	EACH	125.00	7,375.00	\$0.00		0.00	0.00	0.00
38	Rock Channel Protection, Type C with Filter	42.60	CY	100.00	4,260.00	\$4,030.00		0.00	4,030.00	40.30
39	Seeding And Mulching, Class 1	43,341.00	SY	1.00	43,341.00	\$0.00		0.00	0.00	0.00
40	Soil Analysis Test	5.00	EACH	375.00	1,875.00	\$0.00		0.00	0.00	0.00
41	Topsoil, Furnished And Placed	4,403.00	CY	15.00	66,045.00	\$0.00		0.00	0.00	0.00
42	Repair Seeding And Mulching	2,134.00	SY	1.00	2,134.00	\$0.00		0.00	0.00	0.00
43	Inter-Seeding	2,134.00	SY	0.50	1,067.00	\$0.00		0.00	0.00	0.00
44	Commercial Fertilizer	6.00	TON	350.00	2,100.00	\$0.00		0.00	0.00	0.00
45	Lime	8.60	ACRE	100.00	860.00	\$0.00		0.00	0.00	0.00
46	Water	238.00	MGAL	50.00	11,800.00	\$0.00		0.00	0.00	0.00
47	Mowing	370.00	MSF	2.00	740.00	\$0.00		0.00	0.00	0.00
48	Slope Erosion Protection	29,865.00	SY	2.00	59,730.00	\$0.00		0.00	0.00	0.00
49	Perimeter Filter Fabric Fence	4,100.00	FEET	2.00	8,200.00	\$2,070.00	802.00	1,604.00	3,674.00	1,837.00
50	Construction Seeding And Mulching	21,340.00	SY	0.70	14,938.00	\$11,968.60	4,242.00	2,969.40	14,938.00	21,340.00
51	Inlet Protection, As Per Plan	34.00	EACH	85.00	2,890.00	\$850.00	16.00	1,360.00	2,210.00	26.00
52	Filter Fabric Ditch Check	1,000.00	FEET	7.00	7,000.00	\$0.00	768.00	5,376.00	5,376.00	768.00
53	Rock Ditch Check, Type C With Filter	40.00	CY	100.00	4,000.00	\$0.00		0.00	0.00	0.00
54	Stormwater Pollution Prevention Plan	1.00	LUMP	15,000.00	15,000.00	\$15,000.00		0.00	15,000.00	1.00
55	Concrete Masonry	17.60	CY	1,000.00	17,600.00	\$17,600.00		0.00	17,600.00	17.60
56	Full Height-Headwall, As Per Plan	1.00	EACH	2,000.00	2,000.00	\$0.00		0.00	0.00	0.00
57	6" Conduit, Type F For Underdrain Outlets	480.00	FEET	8.00	3,840.00	\$0.00		0.00	0.00	0.00
58	6" Base Pipe Underdrains, As Per Plan	15,869.00	FEET	11.00	174,559.00	\$0.00		0.00	0.00	0.00
59	4" Conduit, Type E	100.00	FEET	6.00	600.00	\$90.00	5.00	30.00	120.00	20.00
60	6" Conduit, Type F	100.00	FEET	7.00	700.00	\$52.50		0.00	52.50	7.50
61	12" Conduit, Type A	70.00	FEET	79.00	5,530.00	\$0.00		0.00	0.00	0.00
62	12" Conduit, Type B	893.00	FEET	72.00	64,296.00	\$53,416.80	111.50	8,028.00	61,444.80	853.40
63	12" Conduit, Type C	340.00	FEET	72.00	24,480.00	\$4,824.00		0.00	4,824.00	67.00
64	12" Conduit, Type D	1,056.00	FEET	72.00	76,032.00	\$60,048.00		0.00	60,048.00	834.00

20/3

65 15" Conduit, Type A	635.00 FEET	83.00	69,305.00	\$71,338.50	0.00	71,338.50	859.50
66 15" Conduit, Type D	40.00 FEET	76.00	3,040.00	\$3,040.00	0.00	3,040.00	40.00
67 18" Conduit, Type A	267.00 FEET	79.00	21,093.00	\$25,991.00	0.00	25,991.00	329.00
68 18" Conduit, Type C	64.00 FEET	72.00	4,608.00	\$2,880.00	24.00	1,728.00	4,608.00
69 18" Conduit, Type D	222.00 FEET	72.00	15,984.00	\$0.00	222.00	15,984.00	222.00
70 24" Conduit, Type A	187.00 FEET	86.00	16,082.00	\$8,256.00	45.00	3,870.00	12,126.00
71 24" Conduit, Type B	55.00 FEET	80.00	4,400.00	\$4,400.00	0.00	4,400.00	55.00
72 Cuyahoga County Catch Basin CB-3C	18.00 EACH	2,500.00	45,000.00	\$20,000.00	8.00	20,000.00	40,000.00
73 Catch Basin, No. 6	2.00 EACH	2,500.00	5,000.00	\$5,000.00	0.00	5,000.00	2.00
74 Catch Basin, No. 2-2A	1.00 EACH	2,500.00	2,500.00	\$2,500.00	0.00	2,500.00	1.00
75 Catch Basin, No. 2-2B	9.00 EACH	2,600.00	23,400.00	\$15,600.00	2.00	5,200.00	20,800.00
76 Catch Basin, No. 2-3	4.00 EACH	2,700.00	10,800.00	\$8,100.00	1.00	2,700.00	10,800.00
77 Manhole No. 3	9.00 EACH	3,100.00	27,900.00	\$24,800.00	1.00	3,100.00	27,900.00
78 Manhole Adjusted to Grade	2.00 EACH	675.00	1,350.00	\$0.00	0.00	0.00	0.00
79 Manhole Reconstructed to Grade	2.00 EACH	1,000.00	2,000.00	\$0.00	0.00	0.00	0.00
80 Miscellaneous Metal	1,000.00 LBS	2.00	2,000.00	\$104.00	131.00	262.00	356.00
81 Pavement Repair, As Per Plan	250.00 SY	70.00	17,500.00	14,721.00	2.00	1,041.00	14,721.00
82 3" Asphalt Concrete Base, PG64-22, As Per Plan	3,719.00 CY	105.00	390,495.00	\$0.00	0.00	0.00	0.00
83 3" Asphalt Concrete Base, PG64-22, As Per Plan (Drives)	231.00 CY	203.00	46,893.00	\$0.00	0.00	0.00	0.00
84 Aggregate Base (Drives), As Per Plan	303.00 CY	60.00	18,180.00	\$0.00	0.00	0.00	0.00
85 6" Aggregate Base, As Per Plan	566.00 CY	60.00	33,960.00	\$0.00	0.00	0.00	0.00
86 Concrete Base Misc.: 6" Concrete Base, Class QC MS	29.00 SY	72.00	2,088.00	\$0.00	0.00	0.00	0.00
87 Tack Coat	6,054.00 GAL	2.00	12,108.00	\$0.00	0.03	0.00	0.00
88 1" Fine Graded Polymer Asphalt Concrete, Surface Course, Type B, PG76-22M	1,414.00 CY	173.00	244,622.00	\$0.00	0.00	0.00	0.00
89 2" Asphalt Concrete Intermediate Course, Type 2, (44B), PG64-22	2,664.00 CY	115.00	306,360.00	\$0.00	0.00	0.00	0.00
90 1.25" Asphalt Concrete Surface Course, Type 1, (44B), PG64-22	63.00 CY	250.00	15,750.00	\$0.00	0.00	0.00	0.00
91 Asphalt Concrete Intermediate Course, Type 1, (44B) (As Directed By The Engineer, 0" Min.), PG64-22	18.00 CY	200.00	3,600.00	\$0.00	0.00	0.00	0.00
92 1.75" Asphalt Concrete Intermediate Course, Type 2, (44B), PG64-22	82.00 CY	200.00	16,400.00	\$0.00	0.00	0.00	0.00
93 2" Asphalt Concrete Surface Course, Type 1, (44B), PG64-22 (Drives)	166.00 CY	250.00	41,500.00	\$0.00	0.00	0.00	0.00
94 6" Non-Reinforced Concrete Pavement, Class QC MS	90.00 SY	65.00	5,850.00	\$0.00	0.00	0.00	0.00
95 Curb, Type 6, As Per Plan	4,114.00 FEET	14.00	57,596.00	\$0.00	0.00	0.00	0.00
96 Curb, Type 6, 8 inch Reveal, As Per Plan	334.00 FEET	14.50	4,843.00	\$0.00	0.00	0.00	0.00
97 Curb, Type 2A (Drives)	40.00 FEET	17.00	680.00	\$0.00	0.00	0.00	0.00
98 Compacted Aggregate, As Per Plan	715.00 CY	50.00	35,750.00	\$0.00	0.00	0.00	0.00
99 Longitudinal Joint Adhesive	3,374.00 LBS	2.00	6,748.00	\$0.00	0.00	0.00	0.00
100 Salvaged Brick Pavers	29.00 SY	51.00	1,479.00	\$0.00	0.00	0.00	0.00
101 12" Water Main Ductile Iron Pipe, With Push-On Joints And Retained Mechanical Fittings, Ansl Class 52	1,294.00 FEET	155.00	200,570.00	\$12,400.00	170.50	26,427.50	38,827.50
102 Fire Hydrant Removed	8.00 EACH	800.00	4,800.00	\$800.00	1.00	800.00	1,600.00
103 Valve Box Adjusted to Grade	75.00 EACH	75.00	5,625.00	\$0.00	0.00	0.00	0.00
104 Water Work, Misc.: Water Manhole Adjusted to Grade (Cleveland)	2.00 EACH	675.00	1,350.00	\$0.00	0.00	0.00	0.00
105 12" Cutting-In Sleeve, Valve and Valve Box, Complete	3.00 EACH	1,600.00	4,800.00	\$3,200.00	1.00	1,600.00	4,800.00
106 Furnishing And Setting 6" Hydrant Complete, With Permanent Adapter	6.00 EACH	8,100.00	48,600.00	\$8,100.00	1.00	8,100.00	16,200.00
107 Fire Hydrant Adjusted to Grade	7.00 EACH	1,000.00	7,000.00	\$0.00	6.00	6,000.00	6,000.00
108 Extend/Shorten And Adjust Hydrant to Grade, Straight Type	13.00 EACH	3,200.00	41,600.00	\$9,600.00	2.00	6,400.00	16,000.00
109 Water Work Misc.: City of Cleveland Water Department Charges	1.00 LUMP	9,284.00	9,284.00	\$9,284.00	0.00	9,284.00	1.00
110 Misc.: As-Built Water Main Drawings	1.00 LUMP	2,500.00	2,500.00	\$0.00	0.00	0.00	0.00
111 Retap and Reconnect Water Service Connection, Short Side, Complete	5.00 EACH	875.00	4,375.00	\$0.00	0.00	0.00	0.00
112 Removal of Delineator	14.00 EACH	25.00	350.00	\$0.00	0.00	0.00	0.00
113 Ground Mounted Support, No. 2 Post	445.00 FEET	9.00	4,005.00	\$0.00	0.00	0.00	0.00
114 Ground Mounted Support, No. 3 Post	84.80 FEET	10.00	848.00	\$0.00	0.00	0.00	0.00
115 Street Name Sign Support, No. 3 Post	95.30 FEET	11.00	1,048.30	\$0.00	0.00	0.00	0.00
116 Sign Post Reflector	16.00 EACH	25.00	400.00	\$0.00	0.00	0.00	0.00
117 Sign, Flat Sheet	368.40 SF	15.00	5,526.00	\$0.00	0.00	0.00	0.00
118 Removal of Ground Mounted Sign and Disposal	63.00 EACH	11.00	693.00	\$0.00	0.00	0.00	0.00
119 Removal of Ground Mounted Post Support and Disposal	49.00 EACH	6.00	294.00	\$0.00	0.00	0.00	0.00
120 Removal of Pole Mounted Post Sign and Disposal	2.00 EACH	11.00	22.00	\$0.00	0.00	0.00	0.00
121 Edge Line, 4"	6.80 MILE	2,800.00	19,040.00	\$0.00	0.00	0.00	0.00
122 Center Line	3.74 MILE	5,000.00	18,700.00	\$0.00	0.00	0.00	0.00
123 Stop Line	311.00 FEET	7.00	2,177.00	\$0.00	0.00	0.00	0.00
124 Unclassified Excavation	357.00 CY	18.00	6,426.00	\$66.60	0.00	66.60	3.70
125 Porous Backfill With Geotextile Fabric	200.00 CY	60.00	12,000.00	\$0.00	0.00	0.00	0.00
126 Retaining Wall, Misc.: Stone Essence Post Construction Wall Staining	1,811.00 SF	3.00	5,433.00	\$0.00	0.00	0.00	0.00

*Per Payment
Price
Forward*

127 Retaining Wall, Misc., Modular Block Wall	1,811.00 SF	74.00	134,014.00	\$0.00	0.00	0.00	0.00
128 Granular Embankment, Type F	34.00 CY	60.00	2,040.00	\$0.00	0.00	0.00	0.00
129 Traffic Compacted Surface, Type A or B	700.00 CY	25.00	17,500.00	\$0.00	0.00	0.00	0.00
130 Water	105.00 MGAL	35.00	3,675.00	\$525.00	0.00	525.00	15.00
131 Maintaining Traffic	1.00 LUMP	39,619.00	39,619.00	\$27,733.30	0.05	1,980.95	29,714.25
132 Field Office, Type A	6.00 MONTH	875.00	5,250.00	\$2,625.00	1.00	875.00	3,500.00
133 Construction Layout Stakes and Surveying	1.00 LUMP	104,928.00	104,928.00	\$73,449.60	0.05	5,246.40	78,686.00
134 Mobilization	1.00 LUMP	76,226.00	76,226.00	\$68,603.40	0.00	0.00	68,603.40

TOTALS 3,928,563.70 \$892,074.11 138,064.85 1,030,138.96

APPROVED CHANGE ORDERS

LINE ITEM TTL	\$1,030,138.96
CHANGES	\$0.00
CREDITS	\$0.00
TTL COMPLETE	\$1,030,138.96
Retainer - 6%	\$82,411.12
Less Inspection	50.00
Less Previous Payments	\$20,400.23
TOTAL DUE	\$822,466.29

PENDING CHANGE ORDERS

2 (7/15/19) 12" Storm at Mather Lane	1.00 LS	1,094.46
3 Credit for Use of #304 LS in lieu of LSM Backfill	TBD	
5a (8/7/19) Manhole D-8 Downtime	1.00 LS	1,802.88
5b (8/9/19) Manhole D-8 Modifications	1.00 LS	4,255.18
(8/6/19) Cable Utility Conflict STA 1230+50 to STA 1231+50, Not Shown On Plans	1.00 LS	3,501.98
(8/8/19) Poor Sub-Grade at Benching Elevation (STA 1236+50 to STA 1237+00)	1.00 LS	1,670.48
7 (8/12/19) Unknown Drainage Structure STA 1339+43.49	1.00 LS	495.30
10 (9/3/19) CWD Additional Plan Review Fees	1.00 LS	3,888.33
11 (9/18/19) Verify Water Line Depths	1.00 LS	6,002.21
12 (9/27/19) Insulate Existing Water Main	1.00 LS	20,696.16
13 (9/25/19) Repair Access Driveway	1.00 LS	1,140.80
14-REV2 Line Items Over Plan Quantities	1.00 LS	28,781.07
(10/1/19) Relocated Stockpiled Sand for Water Line Lowering	1.00 LS	243.99
16 (10/10/19) Storm MH D-7 Modifications	1.00 LS	8,315.99
17a (10/10/19) Crew/Equipment Remobilizations	1.00 LS	580.36
(10/10/19) Water Main Lowering Removed from Contract-Restocking	1.00 LS	730.42
19 (10/18/19) Saw Cut Existing Basin	1.00 LS	751.90

Total: 81,951.49

Submitted By: 
Richard Espirski, TRAX Construction Company

Date: 11/6/19

Approved By: _____
Nick Gorris, Georgia County Engineer

Date: _____

H.V. \$94,874²⁷
R.T. \$30,387²⁸

\$125,261⁵⁵
015 70 PG
11.7.2019