

**Memorandum  
Public Works Department**



**To:** City Manager  
**Subject:** Turkey Hollow Bridge Replacement, Project 2677  
**Date:** June 14, 2011  
**Number:** 2011-181

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The Engineering Division opened bids for the above referenced project on Tuesday, June 14, 2011. A copy of the bid tabulation is attached.

The invitation for bid was advertised in the Rock Island Argus on May 31 and June 1, 2011, and was also posted on the City Website. The following contractors were contacted:

General Constructors, Inc	Civil Constructors, Inc
Brandt Construction Co.	Valley Construction
McCarthy Improvements	

The low bid is from General Constructors, Inc. in the amount of \$617,553.74 which is 18.8% below the engineer's estimate of \$760,701.25.

**Recommendation**

The Public Works Department recommends that the City Council award the bid to General Constructors, Inc. in the amount of \$617,553.74.

Vendor: General Constructors, Inc.  
Contract Amount: \$617,553.74

Accounts Chargeable:

Fund:	301	Capital Improvements
Division:	616	Municipal Services
Cost Center:	311	Street Construction
Object Class:	56304	Bridges/Culverts
Project Code	2677	Turkey Hollow Bridge Replacement
Grant	189	IDOT ERP
Fund:	301	Capital Improvements
Division:	616	Municipal Services
Cost Center:	311	Street Construction
Object Class:	56304	Bridges/Culverts
Project Code	2677	Turkey Hollow Bridge Replacement
Grant	223	Gaming

Submitted by: Michael J. Kane, P.E., City Engineer  
Robert T. Hawes, P.E., Assistant City Manager/P. W. Director

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Approved by: John C. Phillips, City Manager

# Bid Tabulation

Project: Turkey Hollow Bridge Replacement

Section No. 10-00189-00-BR

Job No. 2677

Bid Date: 6/14/11



Item No.	Description	Approx. Quantity	Units	Engineer's Estimate		Bidder General Constructors, Inc. 480-42nd St Bettendorf, IA 52722		Bidder Civil Constructors, Inc 1716 179th Street North East Moline, IL 61244		Bidder Brandt Construction Co. 700 4th Street West Milan, IL 61264	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Earth Excavation	59.0	Cu. Yd	\$ 20.00	\$ 1,180.00	\$ 28.00	\$ 1,652.00	\$ 28.27	\$ 1,667.93	\$ 24.00	\$ 1,416.00
2	Channel Excavation	76.0	Cu. Yd	\$ 25.00	\$ 1,900.00	\$ 22.00	\$ 1,672.00	\$ 21.95	\$ 1,668.20	\$ 14.75	\$ 1,121.00
3	Furnished Excavation	123.0	Cu. Yd	\$ 30.00	\$ 3,690.00	\$ 41.00	\$ 5,043.00	\$ 28.22	\$ 3,471.06	\$ 17.50	\$ 2,152.50
4	Trench Backfill	55.0	Cu. Yd	\$ 31.00	\$ 1,705.00	\$ 18.00	\$ 990.00	\$ 17.77	\$ 977.35	\$ 58.50	\$ 3,217.50
5	Geotechnical Fabric For Ground Stabilization	154.0	Sq. Yd	\$ 5.00	\$ 770.00	\$ 4.00	\$ 616.00	\$ 3.00	\$ 462.00	\$ 2.50	\$ 385.00
6	Seeding, Class 3	0.5	Acre	\$ 8,000.00	\$ 4,000.00	\$ 3,000.00	\$ 1,500.00	\$ 3,200.00	\$ 1,600.00	\$ 3,400.00	\$ 1,700.00
7	Nitrogen Fertilizer Nutrient	45.0	Pound	\$ 10.00	\$ 450.00	\$ 3.00	\$ 135.00	\$ 1.30	\$ 58.50	\$ 10.00	\$ 450.00
8	Phosphorus Fertilizer Nutrient	45.0	Pound	\$ 10.00	\$ 450.00	\$ 3.00	\$ 135.00	\$ 1.30	\$ 58.50	\$ 10.00	\$ 450.00
9	Potassium Fertilizer Nutrient	45.0	Pound	\$ 10.00	\$ 450.00	\$ 3.00	\$ 135.00	\$ 1.30	\$ 58.50	\$ 10.00	\$ 450.00
10	Mulch Method 2	0.5	Acre	\$ 8,000.00	\$ 4,000.00	\$ 3,000.00	\$ 1,500.00	\$ 880.00	\$ 440.00	\$ 1,250.00	\$ 625.00
11	Erosion Control Blanket	2,148.0	Sq. Yd	\$ 10.00	\$ 21,480.00	\$ 1.50	\$ 3,222.00	\$ 1.20	\$ 2,577.60	\$ 1.75	\$ 3,759.00
12	Temporary Erosion Control Seeding	50.0	Pound	\$ 4.00	\$ 200.00	\$ 5.00	\$ 250.00	\$ 2.50	\$ 125.00	\$ 2.50	\$ 125.00
13	Temporary Ditch Checks	60.0	Foot	\$ 5.00	\$ 300.00	\$ 5.00	\$ 300.00	\$ 10.00	\$ 600.00	\$ 11.00	\$ 660.00
14	Perimeter Erosion Barrier	791.0	Foot	\$ 5.00	\$ 3,955.00	\$ 2.00	\$ 1,582.00	\$ 2.25	\$ 1,779.75	\$ 2.25	\$ 1,779.75
15	Inlet and Pipe Protection	1.0	Each	\$ 500.00	\$ 500.00	\$ 100.00	\$ 100.00	\$ 125.00	\$ 125.00	\$ 185.00	\$ 185.00
16	Stone Riprap, Class A5	551.0	Sq. Yd	\$ 40.00	\$ 22,040.00	\$ 53.00	\$ 29,203.00	\$ 53.28	\$ 29,357.28	\$ 45.75	\$ 25,208.25
17	Filter Fabric	551.0	Sq. Yd	\$ 3.00	\$ 1,653.00	\$ 2.00	\$ 1,102.00	\$ 2.50	\$ 1,377.50	\$ 2.50	\$ 1,377.50
18	Sub-base Granular Material Type A	85.0	Cu. Yd	\$ 12.00	\$ 1,020.00	\$ 66.00	\$ 5,610.00	\$ 28.00	\$ 2,380.00	\$ 48.50	\$ 4,122.50
19	Bituminous Materials (Prime Coat)	319.0	Gallon	\$ 5.50	\$ 1,754.50	\$ 7.85	\$ 2,504.15	\$ 7.85	\$ 2,504.15	\$ 5.00	\$ 1,595.00
20	Aggregate (Prime Coat)	0.1	Ton	\$ 2,000.00	\$ 200.00	\$ 10.30	\$ 1.03	\$ 10.28	\$ 1.03	\$ 600.00	\$ 60.00
21	Hot-Mix Asphalt Surface Removal-Butt Joint	341.0	Sq. Yd	\$ 13.00	\$ 4,433.00	\$ 13.52	\$ 4,610.32	\$ 13.52	\$ 4,610.32	\$ 4.50	\$ 1,534.50
22	Hot-Mix Asphalt binder Course, IL-12.5, N50	300.0	Ton	\$ 90.00	\$ 27,000.00	\$ 82.71	\$ 24,813.00	\$ 82.71	\$ 24,813.00	\$ 93.25	\$ 27,975.00
23	Hot-Mix Asphalt Surface Course, Mix "C", N50	128.0	Ton	\$ 90.00	\$ 11,520.00	\$ 94.98	\$ 12,157.44	\$ 94.98	\$ 12,157.44	\$ 102.75	\$ 13,152.00
24	Portland Cement Concrete Bridge Approach Pavement	300.0	Sq. Yd	\$ 105.00	\$ 31,500.00		\$ -		\$ -		\$ -
25	Bridge Approach Pavement Connector (Flexible)	60.0	Sq. Yd	\$ 60.00	\$ 3,600.00	\$ 138.21	\$ 8,292.60	\$ 138.21	\$ 8,292.60	\$ 82.00	\$ 4,920.00
26	Pavement Removal	208.0	Sq. Yd	\$ 12.00	\$ 2,496.00	\$ 13.75	\$ 2,860.00	\$ 13.77	\$ 2,864.16	\$ 13.50	\$ 2,808.00
27	Hot-Mix Asphalt Surface Removal - 3"	454.0	Sq. Yd	\$ 13.00	\$ 5,902.00	\$ 12.30	\$ 5,584.20	\$ 12.30	\$ 5,584.20	\$ 8.25	\$ 3,745.50
28	Driveway Pavement Removal	78.0	Sq. Yd	\$ 25.00	\$ 1,950.00	\$ 7.50	\$ 585.00	\$ 7.55	\$ 588.90	\$ 10.00	\$ 780.00
29	Paved Shoulder Removal	100.0	Sq. Yd	\$ 10.00	\$ 1,000.00	\$ 11.30	\$ 1,130.00	\$ 11.32	\$ 1,132.00	\$ 14.00	\$ 1,400.00
30	Removal of Existing Structure	1.0	Each	\$ 10,000.00	\$ 10,000.00	\$ 20,000.00	\$ 20,000.00	\$ 28,000.00	\$ 28,000.00	\$ 45,850.00	\$ 45,850.00
31	Pipe Culvert Removal	32.0	Foot	\$ 10.00	\$ 320.00	\$ 7.00	\$ 224.00	\$ 6.84	\$ 218.88	\$ 7.00	\$ 224.00
32	Structure Excavation	108.0	Cu. Yd	\$ 25.00	\$ 2,700.00	\$ 15.00	\$ 1,620.00	\$ 30.00	\$ 3,240.00	\$ 16.50	\$ 1,782.00
33	Floor Drains	6.0	Each	\$ 315.00	\$ 1,890.00	\$ 700.00	\$ 4,200.00	\$ 475.00	\$ 2,850.00	\$ 360.00	\$ 2,160.00
34	Concrete Structures	70.0	Cu. Yd	\$ 650.00	\$ 45,500.00	\$ 400.00	\$ 28,000.00	\$ 550.00	\$ 38,500.00	\$ 666.50	\$ 46,655.00
35	Concrete Superstructure	276.7	Cu. Yd	\$ 750.00	\$ 207,525.00	\$ 500.00	\$ 138,350.00	\$ 550.00	\$ 152,185.00	\$ 560.00	\$ 154,952.00
36	Bridge Deck Grooving	580.0	Sq. Yd	\$ 8.00	\$ 4,640.00	\$ 10.50	\$ 6,090.00	\$ 7.75	\$ 4,495.00	\$ 8.50	\$ 4,930.00
37	Concrete Encasement	4.9	Cu. Yd	\$ 800.00	\$ 3,920.00	\$ 500.00	\$ 2,450.00	\$ 650.00	\$ 3,185.00	\$ 1,100.00	\$ 5,390.00
38	Protective Coat	697.0	Sq. Yd	\$ 1.75	\$ 1,219.75	\$ 3.00	\$ 2,091.00	\$ 1.60	\$ 1,115.20	\$ 1.75	\$ 1,219.75
39	Furnishing and Erecting Structural Steel	1.0	Lsum	\$ 100,000.00	\$ 100,000.00	\$ 94,800.00	\$ 94,800.00	\$ 85,000.00	\$ 85,000.00	\$ 96,325.00	\$ 96,325.00

# Bid Tabulation

Project: Turkey Hollow Bridge Replacement

Section No. 10-00189-00-BR

Job No. 2677

Bid Date: 6/14/11



Item No.	Description	Approx. Quantity	Units	Engineer's Estimate		Bidder General Constructors, Inc. 480-42nd St Bettendorf, IA 52722		Bidder Civil Constructors, Inc 1716 179th Street North East Moline, IL 61244		Bidder Brandt Construction Co. 700 4th Street West Milan, IL 61264	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
40	Stud Shear Connector	1,170.0	Each	\$ 4.00	\$ 4,680.00	\$ 3.50	\$ 4,095.00	\$ 3.60	\$ 4,212.00	\$ 2.50	\$ 2,925.00
41	Reinforcement Bars, Epoxy Coated	69,720.0	Pound	\$ 1.25	\$ 87,150.00	\$ 1.00	\$ 69,720.00	\$ 1.00	\$ 69,720.00	\$ 1.20	\$ 83,664.00
42	Bar Splicers	80.0	Each	\$ 20.00	\$ 1,600.00	\$ 27.00	\$ 2,160.00	\$ 23.00	\$ 1,840.00	\$ 29.50	\$ 2,360.00
43	Furnishing Steel Piles HP10X42	630.0	Foot	\$ 45.00	\$ 28,350.00	\$ 35.00	\$ 22,050.00	\$ 36.00	\$ 22,680.00	\$ 29.00	\$ 18,270.00
44	Driving Piles	630.0	Foot	\$ 3.00	\$ 1,890.00	\$ 0.10	\$ 63.00	\$ 1.00	\$ 630.00	\$ 1.00	\$ 630.00
45	Test Pile Steel HP10X42	2.0	Each	\$ 4,000.00	\$ 8,000.00	\$ 4,000.00	\$ 8,000.00	\$ 3,700.00	\$ 7,400.00	\$ 3,000.00	\$ 6,000.00
46	Name Plate	1.0	Each	\$ 400.00	\$ 400.00	\$ 500.00	\$ 500.00	\$ 520.00	\$ 520.00	\$ 400.00	\$ 400.00
47	Anchor Bolts, 1"	24.0	Each	\$ 55.00	\$ 1,320.00	\$ 25.00	\$ 600.00	\$ 60.00	\$ 1,440.00	\$ 37.50	\$ 900.00
48	Metal End Section, 24"	1.0	Each	\$ 500.00	\$ 500.00	\$ 69.00	\$ 69.00	\$ 68.93	\$ 68.93	\$ 285.00	\$ 285.00
49	Pipe Culverts, Class A, Type 1, 24"	32.0	Foot	\$ 18.00	\$ 576.00	\$ 77.00	\$ 2,464.00	\$ 76.65	\$ 2,452.80	\$ 56.00	\$ 1,792.00
50	Geocomposite Wall Drain	88.0	Sq. Yd	\$ 25.00	\$ 2,200.00	\$ 15.00	\$ 1,320.00	\$ 20.00	\$ 1,760.00	\$ 15.25	\$ 1,342.00
51	Concrete Headwalls for Pipe Drains	2.0	Each	\$ 250.00	\$ 500.00	\$ 75.00	\$ 150.00	\$ 250.00	\$ 500.00	\$ 195.00	\$ 390.00
52	Traffic Barrier Terminal, Type 6	4.0	Each	\$ 3,000.00	\$ 12,000.00	\$ 2,500.00	\$ 10,000.00	\$ 2,500.00	\$ 10,000.00	\$ 2,810.00	\$ 11,240.00
53	Traffic Barrier Terminal, Type 1 (Special) Tangent	4.0	Each	\$ 2,500.00	\$ 10,000.00	\$ 2,150.00	\$ 8,600.00	\$ 2,150.00	\$ 8,600.00	\$ 2,415.00	\$ 9,660.00
54	Guardrail Removal	337.0	Foot	\$ 15.00	\$ 5,055.00	\$ 6.00	\$ 2,022.00	\$ 6.00	\$ 2,022.00	\$ 6.75	\$ 2,274.75
55	Woven Wire Fence, 4'	236.0	Foot	\$ 18.00	\$ 4,248.00	\$ 25.00	\$ 5,900.00	\$ 25.00	\$ 5,900.00	\$ 28.25	\$ 6,667.00
56	Mobilization	1.0	Lsum	\$ 20,000.00	\$ 20,000.00	\$ 40,000.00	\$ 40,000.00	\$ 39,000.00	\$ 39,000.00	\$ 6,300.00	\$ 6,300.00
57	Traffic control and Protection	1.0	Lsum	\$ 2,500.00	\$ 2,500.00	\$ 7,480.00	\$ 7,480.00	\$ 7,480.00	\$ 7,480.00	\$ 8,400.00	\$ 8,400.00
58	Epoxy Pavement Marking-Line 4"	1,403.0	Foot	\$ 3.00	\$ 4,209.00	\$ 4.00	\$ 5,612.00	\$ 6.00	\$ 8,418.00	\$ 6.75	\$ 9,470.25
59	Guardrail Markers, Type A	16.0	Each	\$ 10.00	\$ 160.00	\$ 8.00	\$ 128.00	\$ 8.00	\$ 128.00	\$ 10.00	\$ 160.00
60	Terminal Marker-Direct Applied	4.0	Each	\$ 30.00	\$ 120.00	\$ 35.00	\$ 140.00	\$ 35.00	\$ 140.00	\$ 40.00	\$ 160.00
61	Porous Granular Embankment, Special	233.0	Ton	\$ 90.00	\$ 20,970.00	\$ 35.00	\$ 8,155.00	\$ 31.00	\$ 7,223.00	\$ 26.75	\$ 6,232.75
62	Asbestos Bearing Pad Removal	24.0	Each	\$ 50.00	\$ 1,200.00	\$ 10.00	\$ 240.00	\$ 95.00	\$ 2,280.00	\$ 15.00	\$ 360.00
63	Fence Removal	216.0	Foot	\$ 10.00	\$ 2,160.00	\$ 6.00	\$ 1,296.00	\$ 6.12	\$ 1,321.92	\$ 3.50	\$ 756.00
64	Pipe Underdrains for Structures 4"	140.0	Foot	\$ 15.00	\$ 2,100.00	\$ 12.00	\$ 1,680.00	\$ 23.00	\$ 3,220.00	\$ 19.00	\$ 2,660.00
<b>Bidder's Proposal for Making Entire Improvement:</b>				<b>\$ 760,701.25</b>		<b>\$ 617,553.74</b>		<b>\$ 639,077.70</b>		<b>\$ 649,940.50</b>	