

**Memorandum
Public Works Department**



To: City Manager
Subject: 23rd Avenue Reconstruction: 12th Street to 17th Street, Project 2691
Date: July 14, 2014
Number: 2014-149

Brandt Construction Company is due payment #7 for the 23rd Avenue Reconstruction: 12th Street to 17th Street, Project 2691 for services provided from May 31, 2014 through July 8, 2014.

Recommendation

The Public Works Department recommends that the City Council approve the payment to Brandt Construction Company, in the amount of \$344,100.56.

Vendor: Brandt Construction Company
Payment Amount: \$344,100.56

Fund: 506 Wastewater Operation and Maintenance (\$ 91.71)
Department: 619 Utilities Maintenance
Cost Center: 346 Wastewater Collection Maintenance
Object Code: 56311 Wastewater Systems Improvements
Project: 2691 23rd Avenue Reconstruction: 12th Street to 17th Street

Fund: 501 Water Operation and Maintenance (\$ 134,551.00)
Department: 619 Utilities Maintenance
Cost Center: 356 Water Distribution Maintenance
Object Code: 56310 Water Systems Improvements
Project: 2691 23rd Avenue Reconstruction: 12th Street to 17th Street

Fund: 301 Capital Improvements (\$117,262.18)
Department: 616 Municipal Services
Cost Center: 316 Special Assessments
Object Code: 56301 Streets/Alleys
Project: 2691 23rd Avenue Reconstruction: 12th Street to 17th Street
Grant: 223 Gaming

Fund: 301 Capital Improvements (\$92,195.67)
Department: 616 Municipal Services
Cost Center: 316 Special Assessments
Object Code: 56301 Streets/Alleys
Project: 2691 23rd Avenue Reconstruction: 12th Street to 17th Street

Purchase Order Number: P003985

Submitted by: Randall D. Tweet, Public Works Director
Michael J. Kane, P.E., City Engineer

Approved by: Thomas Thomas, City Manager

PAY ESTIMATE #7

FOR THE PERIOD FROM 5/31/14 to 7/8/2014

Contractor: **Brandt Construction Co.**
 700 4th Street
 Milan, Illinois 61264
 309-787-4644

Date: **July 9, 2014**

Project Name: 23rd Avenue Reconstruction, 12th Street to 17th Street

City Job No. 2691; General No. 13-TX-33

Engineer: Robert Horton

Inspector: John Pearson

	Contract Amount	Completion Date
ORIGINAL	\$1,351,531.70	31-Jul-14
REVISED		

Item No.	Description	Plan Quantity	Units	Unit Price	Scheduled Total	Completed To Date	Percent Complete	Total
1	Earth Excavation	2114.0	C.Y.	\$20.50	\$ 43,337.00	1405.40	66.48%	\$ 28,810.70
2	Geotechnical Fabric for Ground Stabilization	8863.0	S.Y.	\$0.90	\$ 7,976.70	8063.00	90.97%	\$ 7,256.70
3	Aggregate Base Course, Type A	3298.0	Ton	\$20.50	\$ 67,609.00	3462.19	104.98%	\$ 70,974.90
4	Subbase Granular, Type C	517.0	Ton	\$25.50	\$ 13,183.50	344.24	66.58%	\$ 8,778.12
5	Brick Pavement With Vertical Curb (Remove and Replace)	37.0	S.Y.	\$150.00	\$ 5,550.00	60.00	162.16%	\$ 9,000.00
6	Pavement Removal	9178.0	S.Y.	\$9.00	\$ 82,602.00	8670.10	94.47%	\$ 78,030.90
7	Portland Cement Concrete Pavement (Jointed), 7" (With Integral Curb)	8814.0	S.Y.	\$38.00	\$ 334,932.00	3335.50	37.84%	\$ 126,749.00
8	Hot-Mix Asphalt And PCC Base Course (With Integral Curb)	15.0	S.Y.	\$251.00	\$ 3,765.00	25.00	166.67%	\$ 6,275.00
9	Curb and Gutter Removal	6.0	Ft.	\$41.00	\$ 246.00	6.00	100.00%	\$ 246.00
10	Combination Concrete Curb And Gutter, Type M-6.18 (Modified)	6.0	Ft.	\$77.00	\$ 462.00	6.00	100.00%	\$ 462.00
11	Driveway Pavement Removal	393.0	S.Y.	\$13.00	\$ 5,109.00	404.60	102.95%	\$ 5,259.80
12	Portland Cement Concrete Driveway Pavement, 6"	503.0	S.Y.	\$51.25	\$ 25,778.75	538.20	107.00%	\$ 27,582.75
13	Sidewalk Removal	8605.0	S.F.	\$1.00	\$ 8,605.00	7502.50	87.19%	\$ 7,502.50
14	Portland Cement Concrete Sidewalk, 4"	10385.0	S.F.	\$4.80	\$ 49,848.00	4411.10	42.48%	\$ 21,173.28
15	Portland Cement Concrete Pedestrian Curb Ramp, 6"	1623.0	S.F.	\$13.00	\$ 21,099.00	377.90	23.28%	\$ 4,912.70
16	Tree Removal (6 to 15 Inch Diameter)	38.0	In. Dia.	\$28.00	\$ 1,064.00	13.60	35.79%	\$ 380.80
17	Tree Removal (Over 15 Inch Diameter)	134.0	In. Dia.	\$47.00	\$ 6,298.00	194.60	145.22%	\$ 9,146.20
18	Seeding, Class 7 (Temporary Turf Cover Mixture)	4016.0	S.Y.	\$0.25	\$ 1,004.00	0.00	0.00%	\$ -
19	Sodding	4016.0	S.Y.	\$5.60	\$ 22,489.60	0.00	0.00%	\$ -
20	Inlet and Pipe Protection	19	Each	\$130.00	\$ 2,470.00	9	47.37%	\$ 1,170.00
21	Removing Catch Basins	2	Each	\$250.00	\$ 500.00	2	100.00%	\$ 500.00
22	Catch Basins To Be Adjusted	3	Each	\$475.00	\$ 1,425.00	2	66.67%	\$ 950.00
23	Catch Basins, Single, With New Frame and Type C Grate	15	Each	\$1,855.00	\$ 27,825.00	15	100.00%	\$ 27,825.00
24	Removing Manholes to Maintain Flow	4	Each	\$1,025.00	\$ 4,100.00	3	75.00%	\$ 3,075.00
25	Manholes To Be Adjusted	4	Each	\$480.00	\$ 1,920.00	2	50.00%	\$ 960.00
26	Manholes To Be Adjusted With New Frame and Lid	2	Each	\$750.00	\$ 1,500.00	0	0.00%	\$ -
27	Manholes, Type A, 4' Diameter, With New Frame and Lid	7	Each	\$3,725.00	\$ 26,075.00	6	85.71%	\$ 22,350.00
28	Manholes, Type A, 5' Diameter, With New Frame and Lid	2	Each	\$5,625.00	\$ 11,250.00	2	100.00%	\$ 11,250.00
29	Manholes, Type A, 4' Diameter, With New Frame and Lid, Drop	1	Each	\$5,925.00	\$ 5,925.00	2	200.00%	\$ 11,850.00
30	Storm Sewer Structure Connection	2	Each	\$260.00	\$ 520.00	1	50.00%	\$ 260.00
31	Storm Sewer, PVC, 12"	728.0	Ft.	\$38.50	\$ 28,028.00	728.00	100.00%	\$ 28,028.00
32	Pressure Class Storm Sewer, 12"	147.0	Ft.	\$48.25	\$ 7,092.75	161.50	109.86%	\$ 7,792.38
33	Storm Sewer, PVC, 15"	823.0	Ft.	\$61.50	\$ 50,614.50	823.50	100.06%	\$ 50,645.25
34	Storm Sewer, PVC, 36"	433.0	Ft.	\$119.50	\$ 51,743.50	436.00	100.69%	\$ 52,102.00
35	Sewer Removal	1082.0	Ft.	\$5.25	\$ 5,680.50	682.10	63.04%	\$ 3,581.03
36	Sanitary Sewer, Pressure Class, Service Laterals	80.0	Ft.	\$44.25	\$ 3,540.00	74.30	92.88%	\$ 3,287.78
37	Sanitary Sewer, PVC, 8"	1018.0	Ft.	\$53.00	\$ 53,954.00	1018.00	100.00%	\$ 53,954.00
38	Sanitary Service Connection	13	Each	\$465.00	\$ 6,045.00	13	100.00%	\$ 6,045.00
39	Pipe Underdrain, Perforated Corrugated Polyethylene, 4"	4490.0	Ft.	\$13.00	\$ 58,370.00	4490.00	100.00%	\$ 58,370.00
40	Trench Backfill	3734.0	C.Y.	\$10.00	\$ 37,340.00	3734.00	100.00%	\$ 37,340.00
41	Water Main, PVC, DR-14, 8"	2591.0	Ft.	\$49.00	\$ 126,959.00	2591.00	100.00%	\$ 126,959.00
42	Water Main, PVC, DR-14, 6"	196.0	Ft.	\$44.00	\$ 8,624.00	196.00	100.00%	\$ 8,624.00
43	Hot Tap Water Main, With Tapping Sleeve and Valve, 10"x10"x8"	2	Each	\$4,525.00	\$ 9,050.00	2	100.00%	\$ 9,050.00
44	Tee, Class 350, DIP, MJ, 8"x8"x6"	7	Each	\$440.00	\$ 3,080.00	7	100.00%	\$ 3,080.00
45	Cross, Class 350, DIP, MJ, 8"x8"	1	Each	\$665.00	\$ 665.00	0	0.00%	\$ -
46	Bend, Class 350, DIP, MJ, 22 1/2"	2	Each	\$345.00	\$ 690.00	2	100.00%	\$ 690.00
47	Bend, Class 350, DIP, MJ, 45"	10	Each	\$345.00	\$ 3,450.00	10	100.00%	\$ 3,450.00
48	Reducer, Class 350, DIP, MJ, 8"x6"	5	Each	\$385.00	\$ 1,925.00	5	100.00%	\$ 1,925.00
49	Cap, Class 350, DIP, MJ, 6"	2	Each	\$200.00	\$ 400.00	3	150.00%	\$ 600.00
50	Gate Valve and Box, 8"	15	Each	\$1,350.00	\$ 20,250.00	15	100.00%	\$ 20,250.00
51	Gate Valve And Box, 6"	8	Each	\$1,000.00	\$ 8,000.00	8	100.00%	\$ 8,000.00
52	Gate Valve and Box To Be Removed	16	Each	\$700.00	\$ 11,200.00	3	18.75%	\$ 2,100.00

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Engineer: Robert Horton

Inspector: John Pearson

	Contract Amount	Completion Date
ORIGINAL	\$1,351,531.70	31-Jul-14
REVISED		

Item No.	Description	Plan Quantity	Units	Unit Price	Scheduled Total	Completed To Date	Percent Complete	Total
53	Water Service Connection, With Saddle, 3/4" or 1"	17	Each	\$425.00	\$ 7,225.00	17	100.00%	\$ 7,225.00
54	Water Service Line, 3/4" or 1"	398.0	Ft.	\$38.25	\$ 15,147.00	522.80	132.02%	\$ 19,997.10
55	Domestic Water Valve and Box To Be Adjusted	3	Each	\$79.00	\$ 237.00	1	33.33%	\$ 79.00
56	Domestic Water Valve and Box	11	Each	\$355.00	\$ 3,905.00	17	154.55%	\$ 6,035.00
57	Fire Hydrant to Be Removed	4	Each	\$555.00	\$ 2,220.00	2	50.00%	\$ 1,110.00
58	Fire Hydrant	6	Each	\$3,255.00	\$ 19,530.00	6	100.00%	\$ 19,530.00
59	Paint Pavement Marking- Line, 24", White	96.0	Ft.	\$3.95	\$ 379.20	0.00	0.00%	\$ -
60	Paint Pavement Marking- Line, 6", White	526.0	Ft.	\$2.20	\$ 1,157.20	0.00	0.00%	\$ -
61	Paint Pavement Marking- Line, 6", Yellow	60.0	Ft.	\$2.20	\$ 132.00	0.00	0.00%	\$ -
62	Paint Pavement Marking- Line, 4", Yellow	1739.0	Ft.	\$1.40	\$ 2,434.60	0.00	0.00%	\$ -
63	Paint Pavement Marking- Line, 4", White	455.0	Ft.	\$1.40	\$ 637.00	0.00	0.00%	\$ -
64	Paint Pavement Marking- Letters and Symbols, White	63.0	S.F.	\$3.30	\$ 207.90	0.00	0.00%	\$ -
65	Project Sign	2	Each	\$300.00	\$ 600.00	2	100.00%	\$ 600.00
66	Traffic Control and Protection	1	L.S.	\$14,000.00	\$ 14,000.00	0.80	80.00%	\$ 11,200.00
67	Orifice Outlet	1	Each	\$2,550.00	\$ 2,550.00	1	100.00%	\$ 2,550.00
68	Tee, Class 350, DIP, MJ, 8"X8"X8"	0	Each	\$490.00	\$ -	4		\$ 1,960.00
69	PVC Pipe Fitting, A-2000, 22 1/2 ° Bend, 15"	0	Each	\$575.00	\$ -	1		\$ 575.00
Total Cost of Construction					\$ 1,351,531.70		77.65%	\$ 1,049,465.89

CHANGE ORDERS					
Description	Quantity	Unit	Price	Amount	
1) Temporary Surface Placement at 14th Street (T&M)	1	LS	\$6,033.63	\$	6,033.63
2) Pay Items # 68 and # 69 were added above per Change Order 2.			\$0.00	\$	-
				Total:	\$ 6,033.63

PREVIOUS PAYMENTS		
	Payment	Amount
	1	\$ 133,444.02
	2	\$ 125,580.06
	3	\$ 183,263.45
	4	\$ 109,382.19
	5	\$ 36,638.90
	6	\$ 70,315.36
Total:		\$ 658,623.98

PAYMENT SUMMARY	
Total Amount of Work Completed to Date =	\$ 1,049,465.89
+ Change Orders =	\$ 6,033.63
Total Amount Earned to Date =	\$ 1,055,499.52
Retained Percentage (5%) =	\$ 52,774.98
Total amount Earned Less Retained Percentage =	\$ 1,002,724.54
- Total Previous Payments =	\$ 658,623.98
TOTAL AMOUNT THIS PAYMENT =	\$ 344,100.56

Recommended for payment:

 7/10/2014
 City Engineer Date

CRI Project	Account	Total
2691	Sewer 506-619346-56311-2691000	\$91.71
2691	Water 501-619356-56310-2691000	\$134,551.00
2691	Streets 301-616316-56301-2691223	\$117,262.18
2691	Streets 301-616311-53806-2691000	\$92,195.67
		<u>\$344,100.56</u>