

25.



City of West Allis Matter Summary

7525 W. Greenfield Ave.
West Allis, WI 53214

File Number	Title	Status
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R-2011-0162 Resolution Introduced

Resolution to approve bid of Payne & Dolan, Inc. for asphalt resurfacing of the pavement including the cracking and seating of the pavement with miscellaneous driveway and sidewalk repair, water main relay, sanitary spot relay, storm sewer relay and utility adjustments in various locations in the City of West Allis in the amount of \$1,379,875.46.

Introduced: 7/5/2011

Controlling Body: Public Works Committee

Sponsor(s): Public Works Committee

COMMITTEE RECOMMENDATION

Adopt

ACTION DATE:	MOVER	SECONDER		AYE	NO	PRESENT	EXCUSED
<u>7/5/2011</u>		<input checked="" type="checkbox"/>	Barczak	<input checked="" type="checkbox"/>			
			Czaplewski	<input checked="" type="checkbox"/>			
			Kopplin				
			Lajsic				
			Narlock				
			Reinke				
		<input checked="" type="checkbox"/>		Roadt	<input checked="" type="checkbox"/>		
				Sengstock	<input checked="" type="checkbox"/>		
				Vitale			
				Weigel	<input checked="" type="checkbox"/>		
			TOTAL	<u>5</u>	<u>-</u>		<u>-</u>

SIGNATURE OF COMMITTEE MEMBER

Amy K. Barczak _____
 Chair Vice-Chair Member

COMMON COUNCIL ACTION Adopt

ACTION DATE:	MOVER	SECONDER		AYE	NO	PRESENT	EXCUSED
<u>7-5-11</u>	<input checked="" type="checkbox"/>		Barczak	<input checked="" type="checkbox"/>			
			Czaplewski	<input checked="" type="checkbox"/>			
			Kopplin	<input checked="" type="checkbox"/>			
			Lajsic	<input checked="" type="checkbox"/>			
			Narlock	<input checked="" type="checkbox"/>			
		<input checked="" type="checkbox"/>		Reinke	<input checked="" type="checkbox"/>		
				Roadt	<input checked="" type="checkbox"/>		
				Sengstock	<input checked="" type="checkbox"/>		
				Vitale	<input checked="" type="checkbox"/>		
				Weigel	<input checked="" type="checkbox"/>		
			TOTAL	<u>10</u>	<u>-</u>		



City of West Allis

7525 W. Greenfield Ave.
West Allis, WI 53214

Resolution

File Number: R-2011-0162

Final Action:

JUL 05 2011

Sponsor(s): Public Works Committee

Resolution to approve bid of Payne & Dolan, Inc. for asphalt resurfacing of the pavement including the cracking and seating of the pavement with miscellaneous driveway and sidewalk repair, water main relay, sanitary spot relay, storm sewer relay and utility adjustments in various locations in the City of West Allis in the amount of \$1,379,875.46.

WHEREAS, The Board of Public Works reports that it duly advertised for bids for the furnishing of certain materials and the performance of all work required for the improvements in a certain area as hereinafter described; that the bids received as shown on the attached bid report were reasonable and hereby recommends and deems it to be for the best interests of the City of West Allis that the bid of Payne & Dolan, Inc. for 2011 Project No. 11 be accepted.

NOW, THEREFORE, BE IT RESOLVED By the Common Council of the City of West Allis that the bid of Payne & Dolan, Inc. for 2011 Project No. 11 for:

asphalt resurfacing of the pavement including the cracking and seating of the pavement with miscellaneous driveway and sidewalk repair, water main relay, sanitary spot relay, storm sewer relay and utility adjustments in:

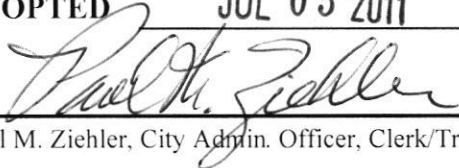
- W. National Ave.: 120' East of S. 82nd St. to 365' West of S. 84th St.
- S. 84th St.: 75' North of Maple St. to 155' South of W. National Ave.
- S. 77th St.: W. Grant St. to W. Lincoln Ave.
- S. 80th St.: W. Grant St. to 700' North of W. Grant St.
- W. Oklahoma Ave. Service Drive: S. 72nd St. to S. 74th St.
- S. 99th St.: W. Cleveland Ave. to W. Oklahoma Ave.

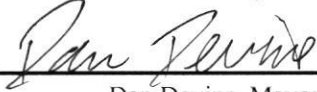
PLAN FILE NOS. SP-1169, SP-1170, SP-1171, SP-1172, SP-1173, M-11, S-1440, S-1441, S-1442, S-1443, S-1444, X-818, X-819, X-820, W-1297

for the sum of One Million Three Hundred Seventy-Nine Thousand Eight Hundred Seventy-Five and 46/100 dollars (\$1,379,875.46)

be accepted, and the proper City officers are hereby authorized and directed to enter into contractual relations with said contractor for the performance of said work, in accordance with the prices submitted in their proposal and with the specifications of the City of West Allis, and that all other bids received for same be rejected; and,

BE IT FURTHER RESOLVED That said improvements be installed with funding by Sanitary Sewer Funds, Storm Water Management Funds, Water Utility Funds, Bond Funds and Funds from Special Assessments.

ADOPTED JUL 05 2011

Paul M. Ziehler, City Admin. Officer, Clerk/Treas.

APPROVED 7/8/11

Dan Devine, Mayor

City of West Allis
2011 Project No. 11
Bid Opening - 6/30/11

**STREET CONSTRUCTION, SANITARY SEWER REALY,
BUILDING SERVICES & UTILITY ADJUSTMENTS**

W. National Ave. from 120' East of S. 82nd St. to 365' West of S. 84th St.
S. 84th St. from 75' North of W. Maple St. to 155' South of W. National Ave.
S. 77th St. from W. Grant St. to W. Lincoln Ave.
S. 80th St. from W. Grant St. to 700' North of W. Grant St.
W. Oklahoma Ave. Service Dr. from S. 72nd St. to S. 74th St.
S. 99th St. from W. Cleveland Ave. to W. Oklahoma Ave.

Bid Bond 5%

Payne & Dolan, Inc.
N3 W23650 Badinger Rd.
Waukesha, WI 53188

ITEM	UNITS	PRICE	TOTAL
1 Excavation	291 Cu. Yds.	\$15.00	4,365.00
2 Borrow Excavation	113 Cu. Yds.	\$15.00	1,695.00
3 Sodding	970 Sq. Yds.	\$8.59	8,332.30
4 Asphalt/Concrete Sawing	12,800 Lin. Ft.	\$1.20	15,360.00
5 Walk & Drive Removal	5,900 Sq. Ft.	\$0.35	2,065.00
6 Curb Removal	3,330 Lin. Ft.	\$3.10	10,323.00
7 Pavement Removal	4,080 Sq. Yds.	\$4.65	18,972.00
8 Asphalt Surface Removal	1,660 Sq. Yds.	\$1.00	1,660.00
9 Cracking and Seating Concrete Pavement	16,440 Sq. Yds.	\$0.75	12,330.00
10 5" Concrete Sidewalk	3,300 Sq. Ft.	\$3.25	10,725.00
11 7" Concrete Walk & Drive	2,350 Sq. Ft.	\$3.50	8,225.00
12 H.E.S. 7" Concrete Walk & Drive	260 Sq. Ft.	\$4.25	1,105.00
13 31" Conc. Curb and Gutter	2,840 Lin. Ft.	\$25.85	73,414.00
14 H.E.S. 31" Conc. Curb and Gutter	500 Lin. Ft.	\$26.85	13,425.00
15 8" Concrete Base	4,570 Sq. Yds.	\$25.77	117,768.90
16 H.E.S. 8" Concrete Base	1,040 Sq. Yds.	\$27.25	28,340.00
17 Curb Ramp Detectable Warning Field	192 Sq. Ft.	\$30.00	5,760.00
18 Pavement Milling	21,590 Sq. Yds.	\$2.12	45,770.80
19 Pavement Ties	6,640 Each	\$3.00	19,920.00
20 Base Aggregate Dense, 1 1/4"	1,150 Tons	\$10.50	12,075.00
21 Base Preparation	30.5 Stations	\$394.47	12,031.34
22 Tack Coat	2,311 Gallons	\$1.47	3,397.17
23 HMA Pavement, Type E-0.3	1,231 Tons	\$59.55	73,306.05
24 HMA Pavement, Type E-3	3,740 Tons	\$51.97	194,367.80
25 Asphaltic Surface Patching	630 Tons	\$63.37	39,923.10
26 Pavement Marking, Centerline, Preformed Thermoplastic, 4-Inch (Yellow)	970 Lin. Ft.	\$3.10	3,007.00
27 Pavement Marking, Crosswalk Line, Preformed Thermoplastic, 6-inch (White)	1,200 Lin. Ft.	\$4.20	5,040.00
28 Pavement Marking, Stop Line, Preformed Thermoplastic, 18-Inch (White)	240 Lin. Ft.	\$10.25	2,460.00
29 Pavement Marking, Lane Line, Preformed Thermoplastic, 4-Inch (White)	3,480 Lin. Ft.	\$3.15	10,962.00
30 Pavement Marking, Channelizing, Preformed Thermoplastic, 8-Inch (White)	1,090 Lin. Ft.	\$5.40	5,886.00
31 Pavement Marking, Diagonal, Preformed Thermoplastic, 12-Inch (Yellow)	90 Lin. Ft.	\$8.50	765.00
32 Pavement Marking, Dotted, Preformed Thermoplastic, 8-Inch (White)	680 Lin. Ft.	\$5.45	3,706.00
33 Pavement Marking, Symbols, Arrow, Turn, Preformed Thermoplastic	2 Each	\$310.00	620.00
34 Pavement Marking, Symbols, Arrow, Straight, Preformed Thermoplastic	1 Each	\$300.00	300.00
35 Pavement Marking, Symbols, Arrow, Straight & Turn, Preformed Thermoplastic	2 Each	\$465.00	930.00
36 Pavement Marking, Island Nose, Epoxy, Yellow	10 Each	\$200.00	2,000.00
37 Pavement Marking, Curb, Epoxy, Yellow	310 Lin. Ft.	\$20.00	6,200.00
38 Removing Pavement Markings	110 Lin. Ft.	\$2.00	220.00
39 12" Dia. Sanitary Sewer	267 Lin. Ft.	\$159.00	42,453.00
40 12" Dia. Sanitary Sewer Relay	311 Lin. Ft.	\$178.00	55,358.00
41 High Strength 12" Dia. Sanitary Sewer Relay	211 Lin. Ft.	\$296.00	62,456.00
42 10" Dia. Sanitary Sewer Relay	121 Lin. Ft.	\$128.00	15,488.00
43 8" Dia. Sanitary Sewer Relay	1,190 Lin. Ft.	\$107.00	127,330.00
44 8" Dia. Sanitary Outside Drop Replacement	1 Unit	\$3,600.00	3,600.00
45 Sanitary Manhole Abandonment	5 Units	\$450.00	2,250.00
46 Sanitary Reconnects	41 Units	\$100.00	4,100.00
47 3'-6" Dia. Sanitary Manhole (13)	176 Vert. Ft.	\$165.00	29,040.00
48 Rebuild 3'-6" Dia. Sanitary Manhole (4)	11 Vert. Ft.	\$375.00	4,125.00
49 Replace 3'-6" Dia. Sanitary Manhole (6)	71 Vert. Ft.	\$385.00	27,335.00
50 Replace 3'-6" Dia. O.D. Sanitary Manhole (1)	14 Vert. Ft.	\$338.00	4,732.00
51 3'-6" Dia. O.D. Sanitary Manhole (1)	17 Vert. Ft.	\$270.00	4,590.00
52 6" Sanitary Riser (5)	30 Vert. Ft.	\$90.00	2,700.00
53 6" Dia. Building Sanitary Sewer (1)	25 Lin. Ft.	\$78.00	1,950.00
54 Install Internal Sanitary Manhole Seals	36 Units	\$100.00	3,600.00
55 Concrete Removal	5 Cu. Yds.	\$600.00	3,000.00
56 Rebuild 3'-6" Dia. Storm Manhole (24)	46 Vert. Ft.	\$375.00	17,250.00
57 Replace 5'-0" Dia. Storm Manhole (2)	18 Vert. Ft.	\$490.00	8,820.00
58 Catch Basin Replacements	26 Units	\$1,750.00	45,500.00
59 12" Water Main Alteration	1 Unit	\$8,500.00	8,500.00
60 12" Water Main Alteration with 6" Connection	1 Unit	\$10,800.00	10,800.00
61 Reconnect 1" Water Service	10 Units	\$1,300.00	13,000.00
62 Hydrant Cut-In	1 Unit	\$5,600.00	5,600.00
63 Hydrant Replacements	11 Units	\$2,200.00	24,200.00
64 Adjust Catch Basin Frames	50 Each	\$170.00	8,500.00
65 Adjust Storm Manhole Frames	19 Each	\$189.00	3,591.00
66 Adjust Sanitary Manhole Frames	30 Each	\$253.00	7,590.00
67 Adjust Water Valve Boxes	18 Each	\$125.00	2,250.00
68 Inlet Protection Barriers	61 Units	\$50.00	3,050.00
69 Manhole Protection Barriers	56 Units	\$50.00	2,800.00
70 Traffic Control	1 Lump Sum	\$47,565.00	47,565.00
Total			1,379,875.46

City of West Allis
 2011 Project No. 11
 Bid Opening - 6/30/11

**STREET CONSTRUCTION, SANITARY SEWER REALY,
 BUILDING SERVICES & UTILITY ADJUSTMENTS**

W. National Ave. from 120' East of S. 82nd St. to 365' West of S. 84th St.
 S. 84th St. from 75' North of W. Maple St. to 155' South of W. National Ave.
 S. 77th St. from W. Grant St. to W. Lincoln Ave.
 S. 80th St. from W. Grant St. to 700' North of W. Grant St.
 W. Oklahoma Ave. Service Dr. from S. 72nd St. to S. 74th St.
 S. 99th St. from W. Cleveland Ave. to W. Oklahoma Ave.

Bid Bond 5%
LaLonde Contractors, Inc. P.O. Box 070420 Milwaukee, WI 53207

ITEM	UNITS	PRICE	TOTAL
1 Excavation	291 Cu. Yds.	46.24	13,455.84
2 Borrow Excavation	113 Cu. Yds.	45.62	5,155.06
3 Sodding	970 Sq. Yds.	8.59	8,332.30
4 Asphalt/Concrete Sawing	12,800 Lin. Ft.	1.20	15,360.00
5 Walk & Drive Removal	5,900 Sq. Ft.	0.65	3,835.00
6 Curb Removal	3,330 Lin. Ft.	8.57	28,538.10
7 Pavement Removal	4,080 Sq. Yds.	6.60	26,928.00
8 Asphalt Surface Removal	1,660 Sq. Yds.	5.82	9,661.20
9 Cracking and Seating Concrete Pavement	16,440 Sq. Yds.	0.75	12,330.00
10 5" Concrete Sidewalk	3,300 Sq. Ft.	3.72	12,276.00
11 7" Concrete Walk & Drive	2,350 Sq. Ft.	4.41	10,363.50
12 H.E.S. 7" Concrete Walk & Drive	260 Sq. Ft.	6.68	1,736.80
13 31" Conc. Curb and Gutter	2,840 Lin. Ft.	27.37	77,730.80
14 H.E.S. 31" Conc. Curb and Gutter	500 Lin. Ft.	39.80	19,900.00
15 8" Concrete Base	4,570 Sq. Yds.	34.13	155,974.10
16 H.E.S. 8" Concrete Base	1,040 Sq. Yds.	42.00	43,680.00
17 Curb Ramp Detectable Warning Field	192 Sq. Ft.	35.42	6,800.64
18 Pavement Milling	21,590 Sq. Yds.	3.42	73,837.80
19 Pavement Ties	6,640 Each	6.80	45,152.00
20 Base Aggregate Dense, 1 1/4"	1,150 Tons	15.00	17,250.00
21 Base Preparation	30.5 Stations	394.00	12,017.00
22 Tack Coat	2,311 Gallons	1.47	3,397.17
23 HMA Pavement, Type E-0.3	1,231 Tons	59.61	73,379.91
24 HMA Pavement, Type E-3	3,740 Tons	52.02	194,554.80
25 Asphaltic Surface Patching	630 Tons	63.43	39,960.90
26 Pavement Marking, Centerline, Preformed Thermoplastic, 4-Inch (Yellow)	970 Lin. Ft.	3.10	3,007.00
27 Pavement Marking, Crosswalk Line, Preformed Thermoplastic, 6-inch (White)	1,200 Lin. Ft.	4.20	5,040.00
28 Pavement Marking, Stop Line, Preformed Thermoplastic, 18-Inch (White)	240 Lin. Ft.	10.25	2,460.00
29 Pavement Marking, Lane Line, Preformed Thermoplastic, 4-Inch (White)	3,480 Lin. Ft.	3.15	10,962.00
30 Pavement Marking, Channelizing, Preformed Thermoplastic, 8-Inch (White)	1,090 Lin. Ft.	5.40	5,886.00
31 Pavement Marking, Diagonal, Preformed Thermoplastic, 12-Inch (Yellow)	90 Lin. Ft.	8.50	765.00
32 Pavement Marking, Dotted, Preformed Thermoplastic, 8-Inch (White)	680 Lin. Ft.	5.45	3,706.00
33 Pavement Marking, Symbols, Arrow, Turn, Preformed Thermoplastic	2 Each	310.00	620.00
34 Pavement Marking, Symbols, Arrow, Straight, Preformed Thermoplastic	1 Each	300.00	300.00
35 Pavement Marking, Symbols, Arrow, Straight & Turn, Preformed Thermoplastic	2 Each	465.00	930.00
36 Pavement Marking, Island Nose, Epoxy, Yellow	10 Each	200.00	2,000.00
37 Pavement Marking, Curb, Epoxy, Yellow	310 Lin. Ft.	20.00	6,200.00
38 Removing Pavement Markings	110 Lin. Ft.	2.00	220.00
39 12" Dia. Sanitary Sewer	267 Lin. Ft.	159.00	42,453.00
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41 High Strength 12" Dia. Sanitary Sewer Relay	211 Lin. Ft.	296.00	62,456.00
42 10" Dia. Sanitary Sewer Relay	121 Lin. Ft.	128.00	15,488.00
43 8" Dia. Sanitary Sewer Relay	1,190 Lin. Ft.	107.00	127,330.00
44 8" Dia. Sanitary Outside Drop Replacement	1 Unit	3,600.00	3,600.00
45 Sanitary Manhole Abandonment	5 Units	450.00	2,250.00
46 Sanitary Reconnects	41 Units	100.00	4,100.00
47 3'-6" Dia. Sanitary Manhole (13)	176 Vert. Ft.	165.00	29,040.00
48 Rebuild 3'-6" Dia. Sanitary Manhole (4)	11 Vert. Ft.	375.00	4,125.00
49 Replace 3'-6" Dia. Sanitary Manhole (6)	71 Vert. Ft.	385.00	27,335.00
50 Replace 3'-6" Dia. O.D. Sanitary Manhole (1)	14 Vert. Ft.	338.00	4,732.00
51 3'-6" Dia. O.D. Sanitary Manhole (1)	17 Vert. Ft.	270.00	4,590.00
52 6" Sanitary Riser (5)	30 Vert. Ft.	90.00	2,700.00
53 6" Dia. Building Sanitary Sewer (1)	25 Lin. Ft.	78.00	1,950.00
54 Install Internal Sanitary Manhole Seals	36 Units	100.00	3,600.00
55 Concrete Removal	5 Cu. Yds.	78.00	390.00
56 Rebuild 3'-6" Dia. Storm Manhole (24)	46 Vert. Ft.	375.00	17,250.00
57 Replace 5'-0" Dia. Storm Manhole (2)	18 Vert. Ft.	490.00	8,820.00
58 Catch Basin Replacements	26 Units	1,750.00	45,500.00
59 12" Water Main Alteration	1 Unit	8,500.00	8,500.00
60 12" Water Main Alteration with 6" Connection	1 Unit	10,800.00	10,800.00
61 Reconnect 1" Water Service	10 Units	1,300.00	13,000.00
62 Hydrant Cut-In	1 Unit	5,600.00	5,600.00
63 Hydrant Replacements	11 Units	2,200.00	24,200.00
64 Adjust Catch Basin Frames	50 Each	170.00	8,500.00
65 Adjust Storm Manhole Frames	19 Each	189.00	3,591.00
66 Adjust Sanitary Manhole Frames	30 Each	253.00	7,590.00
67 Adjust Water Valve Boxes	18 Each	125.00	2,250.00
68 Inlet Protection Barriers	61 Units	48.33	2,948.13
69 Manhole Protection Barriers	56 Units	75.00	4,200.00
70 Traffic Control	1 Lump Sum	50,000.00	50,000.00
Total			1,557,949.05

City of West Allis
 2011 Project No. 11
 Bid Opening - 6/30/11

**STREET CONSTRUCTION, SANITARY SEWER REALY,
 BUILDING SERVICES & UTILITY ADJUSTMENTS**

W. National Ave. from 120' East of S. 82nd St. to 365' West of S. 84th St.
 S. 84th St. from 75' North of W. Maple St. to 155' South of W. National Ave.
 S. 77th St. from W. Grant St. to W. Lincoln Ave.
 S. 80th St. from W. Grant St. to 700' North of W. Grant St.
 W. Oklahoma Ave. Service Dr. from S. 72nd St. to S. 74th St.
 S. 99th St. from W. Cleveland Ave. to W. Oklahoma Ave.

Bid Bond 5%
 Reeseman's Excavating
 & Grading, Inc.
 28815 Bushnell Road
 Burlington, WI 53105

ITEM	UNITS	PRICE	TOTAL
1 Excavation	291 Cu. Yds.	\$41.00	11,931.00
2 Borrow Excavation	113 Cu. Yds.	\$25.80	2,915.40
3 Sodding	970 Sq. Yds.	\$12.50	12,125.00
4 Asphalt/Concrete Sawing	12,800 Lin. Ft.	\$1.30	16,640.00
5 Walk & Drive Removal	5,900 Sq. Ft.	\$0.85	5,015.00
6 Curb Removal	3,330 Lin. Ft.	\$4.85	16,150.50
7 Pavement Removal	4,080 Sq. Yds.	\$6.70	27,336.00
8 Asphalt Surface Removal	1,660 Sq. Yds.	\$2.35	3,901.00
9 Cracking and Seating Concrete Pavement	16,440 Sq. Yds.	\$0.80	13,152.00
10 5" Concrete Sidewalk	3,300 Sq. Ft.	\$3.75	12,375.00
11 7" Concrete Walk & Drive	2,350 Sq. Ft.	\$4.60	10,810.00
12 H.E.S. 7" Concrete Walk & Drive	260 Sq. Ft.	\$6.65	1,729.00
13 31" Conc. Curb and Gutter	2,840 Lin. Ft.	\$24.25	68,870.00
14 H.E.S. 31" Conc. Curb and Gutter	500 Lin. Ft.	\$26.55	13,275.00
15 8" Concrete Base	4,570 Sq. Yds.	\$26.80	122,476.00
16 H.E.S. 8" Concrete Base	1,040 Sq. Yds.	\$35.75	37,180.00
17 Curb Ramp Detectable Warning Field	192 Sq. Ft.	\$27.50	5,280.00
18 Pavement Milling	21,590 Sq. Yds.	\$2.15	46,418.50
19 Pavement Ties	6,640 Each	\$4.10	27,224.00
20 Base Aggregate Dense, 1 1/4"	1,150 Tons	\$15.80	18,170.00
21 Base Preparation	30.5 Stations	\$403.00	12,291.50
22 Tack Coat	2,311 Gallons	\$1.50	3,466.50
23 HMA Pavement, Type E-0.3	1,231 Tons	\$60.85	74,906.35
24 HMA Pavement, Type E-3	3,740 Tons	\$53.00	198,220.00
25 Asphaltic Surface Patching	630 Tons	\$64.75	40,792.50
26 Pavement Marking, Centerline, Preformed Thermoplastic, 4-Inch (Yellow)	970 Lin. Ft.	\$3.15	3,055.50
27 Pavement Marking, Crosswalk Line, Preformed Thermoplastic, 6-inch (White)	1,200 Lin. Ft.	\$4.30	5,160.00
28 Pavement Marking, Stop Line, Preformed Thermoplastic, 18-Inch (White)	240 Lin. Ft.	\$10.45	2,508.00
29 Pavement Marking, Lane Line, Preformed Thermoplastic, 4-Inch (White)	3,480 Lin. Ft.	\$3.20	11,136.00
30 Pavement Marking, Channelizing, Preformed Thermoplastic, 8-Inch (White)	1,090 Lin. Ft.	\$5.50	5,995.00
31 Pavement Marking, Diagonal, Preformed Thermoplastic, 12-Inch (Yellow)	90 Lin. Ft.	\$8.70	783.00
32 Pavement Marking, Dotted, Preformed Thermoplastic, 8-Inch (White)	680 Lin. Ft.	\$5.50	3,740.00
33 Pavement Marking, Symbols, Arrow, Turn, Preformed Thermoplastic	2 Each	\$306.00	612.00
34 Pavement Marking, Symbols, Arrow, Straight, Preformed Thermoplastic	1 Each	\$306.00	306.00
35 Pavement Marking, Symbols, Arrow, Straight & Turn, Preformed Thermoplastic	2 Each	\$474.50	949.00
36 Pavement Marking, Island Nose, Epoxy, Yellow	10 Each	\$204.00	2,040.00
37 Pavement Marking, Curb, Epoxy, Yellow	310 Lin. Ft.	\$20.40	6,324.00
38 Removing Pavement Markings	110 Lin. Ft.	\$2.05	225.50
39 12" Dia. Sanitary Sewer	267 Lin. Ft.	\$173.00	46,191.00
40 12" Dia. Sanitary Sewer Relay	311 Lin. Ft.	\$201.80	62,759.80
41 High Strength 12" Dia. Sanitary Sewer Relay	211 Lin. Ft.	\$220.80	46,588.80
42 10" Dia. Sanitary Sewer Relay	121 Lin. Ft.	\$169.50	20,509.50
43 8" Dia. Sanitary Sewer Relay	1,190 Lin. Ft.	\$120.00	142,800.00
44 8" Dia. Sanitary Outside Drop Replacement	1 Unit	\$7,068.00	7,068.00
45 Sanitary Manhole Abandonment	5 Units	\$710.00	3,550.00
46 Sanitary Reconnects	41 Units	\$266.00	10,906.00
47 3'-6" Dia. Sanitary Manhole (13)	176 Vert. Ft.	\$257.85	45,381.60
48 Rebuild 3'-6" Dia. Sanitary Manhole (4)	11 Vert. Ft.	\$342.40	3,766.40
49 Replace 3'-6" Dia. Sanitary Manhole (6)	71 Vert. Ft.	\$399.00	28,329.00
50 Replace 3'-6" Dia. O.D. Sanitary Manhole (1)	14 Vert. Ft.	\$651.00	9,114.00
51 3'-6" Dia. O.D. Sanitary Manhole (1)	17 Vert. Ft.	\$697.00	11,849.00
52 6" Sanitary Riser (5)	30 Vert. Ft.	\$205.00	6,150.00
53 6" Dia. Building Sanitary Sewer (1)	25 Lin. Ft.	\$165.50	4,137.50
54 Install Internal Sanitary Manhole Seals	36 Units	\$165.00	5,940.00
55 Concrete Removal	5 Cu. Yds.	\$1,050.00	5,250.00
56 Rebuild 3'-6" Dia. Storm Manhole (24)	46 Vert. Ft.	\$505.00	23,230.00
57 Replace 5'-0" Dia. Storm Manhole (2)	18 Vert. Ft.	\$745.00	13,410.00
58 Catch Basin Replacements	26 Units	\$2,170.00	56,420.00
59 12" Water Main Alteration	1 Unit	\$5,516.00	5,516.00
60 12" Water Main Alteration with 6" Connection	1 Unit	\$8,927.00	8,927.00
61 Reconnect 1" Water Service	10 Units	\$1,367.00	13,670.00
62 Hydrant Cut-In	1 Unit	\$4,595.00	4,595.00
63 Hydrant Replacements	11 Units	\$1,860.00	20,460.00
64 Adjust Catch Basin Frames	50 Each	\$474.00	23,700.00
65 Adjust Storm Manhole Frames	19 Each	\$1,004.00	19,076.00
66 Adjust Sanitary Manhole Frames	30 Each	\$1,072.00	32,160.00
67 Adjust Water Valve Boxes	18 Each	\$212.00	3,816.00
68 Inlet Protection Barriers	61 Units	\$110.00	6,710.00
69 Manhole Protection Barriers	56 Units	\$102.00	5,712.00
70 Traffic Control	1 Lump Sum	\$50,000.00	50,000.00
Total			1,593,176.85