

## CITY OF MANITOWOC

WISCONSIN, USA www.manitowoc.org

April 9, 2021



**Mayor and Common Council** 

FROM:

**Board of Public Works** 

SUBJECT:

2021 Concrete Paving III (S. 30th St. Reconstruction)

WS-21-8

**Dear Mayor and Common Council:** 

At the April 7, 2021 Board of Public Works meeting, the Board met to receive bids for 2021 Concrete Paving III (S. 30<sup>th</sup> St. Reconstruction), WS-21-8. City Clerk reported having received one (1) e-bids. Same was opened and accepted online through Quest, and is as follows:

Name Bid Bond Base Bid

**Vinton Construction Company** 

Bid Bond

\$1,999,982.67

"Moved by Alderperson James Brey, seconded by Alderperson John Brunner, and unanimously carried to refer the bid to the Director of Public Infrastructure for tabulation and recommendation. Ayes, 8. Nays, none."

Very Truly Yours,

MACKENZIE REED-KADOW
Secretary Board of Public Works

Tacken

				Vinton Constru	ction Company
	Item Description	UofM	Qty	Unit Price	Extension
	30TH STREET - CONCRETE PAVING  1 Mobilization	LS	1	\$1,372, \$40,000.00	, <b>706.42</b> \$40,000.00
	2 Traffic Control	LS	1	\$16,000.00	\$16,000.00
	3 Traffic Control Detour	LS	1	\$6,200.00	\$6,200.00
	4 Inlet Protection Type "D"	EA	32	\$95.00	\$3,040.00
	5 Furnish, Install & Remove Stone Ditch Bag 6 Furnish, Install & Remove Silt Fence	EA LF	33 50	\$15.00 \$3.00	\$495.00 \$150.00
	7 Tracking Pad	EA	1	\$0.01	\$0.01
	8 Temporary Mailboxes (15 boxes per bank)	EA	1	\$1,000.00	\$1,000.00
	9 Remove & Replace Mailbox (Complete Unit)	EA	6	\$200.00	\$1,200.00
	.0 Unclassified Excavation (Incl. Pavement, Curb)	CY	10817	\$17.95	\$194,165.15
	.1 Stripping Topsoil .2 Sawing Concrete or Asphalt Roadway, Full Depth	SY LF	7702 212	\$2.80 \$3.00	\$21,565.60 \$636.00
	3 Sawing Concrete or Asphalt Driveway, Full Depth	LF	792	\$3.00	\$2,376.00
1	4 Sawing Concrete Sidewalk, Full Depth	LF	45	\$3.00	\$135.00
	15 9" Concrete Pavement w/Integral Curb (Doweled)	SY	13958	\$42.70	\$596,006.60
	16 8" Crushed Aggregate Base Course (1-1/4") 17 8" Breaker Run Stone Material (6" and down)	SY SY	15143 15143	\$5.68 \$5.68	\$86,012.24 \$86,012.24
	8 Undistributed Geo-Grid	SY	7000	\$2.25	\$15,750.00
	9 Concrete Pavement Gap	EA	9	\$1,000.00	\$9,000.00
	10 3/4" Epoxy Coated Tie Bars (Includes Drilling)	EA	83	\$8.00	\$664.00
	21 1-1/4" Epoxy Coated Dowel Bars (Includes Drilling) 22 New 5" Mainline Concrete Sidewalk w/ 2" C.A.B.C. (West Side)	EA SF	103 5336	\$13.00 \$5.70	\$1,339.00 \$30,415.20
	23 New 6" Concrete Sidewalk w/ 2" C.A.B.C. (Handicap Ramps & Bus Stops)	SF	435	\$6.50	\$2,827.50
	24 Remove & Replace 6" Concrete Sidewalk w/ 2" C.A.B.C.	SF	864	\$7.00	\$6,048.00
	5 Remove & Replace 6" Concrete Driveway H.E.S. (7 bag mix) w/ 2" C.A.B.C.	SF	1052	\$7.20	\$7,574.40
	26 Remove & Replace 8" Concrete Sidewalk & Driveway H.E.S. (7 bag mix)w/2" C.A.B.C.	SF	7963	\$7.50	\$59,722.50
	<ol> <li>Remove &amp; Replace 8" Concrete Driveway w/Integral Curb H.E.S. (7 bag mix) w/2" C.A.B.C.</li> <li>Detectable Warning Fields</li> </ol>	SF SF	6295 80	\$7.50 \$30.00	\$47,212.50 \$2,400.00
	19 Remove and Replace 4" H.M.A., Type 4LT 58-28S w/2" C.A.B.C. (Driveway)	SY	538	\$65.16	\$35,056.08
3	0 Tack Coat	GAL	28	\$3.89	\$108.92
	3 "Pulverized Topsoil	SY	10607	\$4.89	\$51,868.23
	12 Seed (Mixture No. 40), Fertilizer & Water	SY	10607	\$0.75	\$7,955.25
	13 Erosion Mat, Urban Class 1, Type A 14 Ditching	SY LF	10607 970	\$1.10 \$5.00	\$11,667.70 \$4,850.00
	25 Corinthian Linden Tree 2" - 2 1/2" B&B	EA	2	\$480.00	\$960.00
	36 Street Honey Locust Tree 2" - 2 1/2" B&B	EA	4	\$480.00	\$1,920.00
	17 Red Pointe Maple Tree 2" - 2 1/2" B&B	EA	3	\$480.00	\$1,440.00
	88 Princeton Elm Tree 2" - 2 1/2" B&B 99 Yellowwood Tree 2" - 2 1/2" B&B	EA EA	4	\$480.00 \$480.00	\$1,920.00 \$1,440.00
	10 Frans Fountain Hornbeam Tree 2" - 2 1/2" B&B	EA	2	\$480.00	\$960.00
	11 Urban Sunset Maple Tree 2" - 2 1/2" B&B	EA	6	\$480.00	\$2,880.00
	32 Sterlins Linden Tree 2" - 2 1/2" B&B	EA	1	\$480.00	\$480.00
	3 Prairie Sentinel Hackberry Tree 2" - 2 1/2" B&B	EA	5	\$480.00	\$2,400.00
	14 Pavement Marking, Epoxy, 4-Inch 15 Pavement Marking, Crosswalk, Epoxy, 6-Inch	LF LF	5028 102	\$1.35 \$7.50	\$6,787.80 \$765.00
	16 Pavement Marking, Crosswalk, Epoxy, 12-Inch Bars, Alt. (Form #905B)	LF	102	\$12.75	\$1,300.50
	30TH STREET - STORM SEWER			\$74,7	79.15
	7 Utility Line Opening	EA	2	\$480.00	\$960.00
	18 Remove Existing Storm Sewer Pipe 19 Remove Culvert Pipe	LF EA	24 12	\$14.85 \$425.00	\$356.40 \$5,100.00
	50 Removing Storm Manholes	EA	1	\$420.00	\$420.00
5	51 Furnish & Install 6" PVC Underdrain Pipe W/Sock (SDR-35)	LF	10	\$28.00	\$280.00
	2 Furnish & Install 12" PVC SDR-35, Storm Sewer	LF	173	\$55.60	\$9,618.80
5	63 Furnish & Install 15" PVC SDR-35, Storm Sewer 64 Furnish & Install 12" CMP Endwall		11	\$68.30 \$200.00	\$751.30
		LF			
		EA	9.55		\$400.00 \$4.574.45
5	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4		9.55 25.8	\$479.00 \$479.00	\$4,574.45 \$12,358.20
5 5 5	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3')	EA VF	9.55 25.8 1	\$479.00	\$4,574.45
5 5 5 5	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3')	EA VF VF EA EA	9.55 25.8 1 3	\$479.00 \$479.00 \$1,480.00 \$1,480.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00
5 5 5 5	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter)	EA VF VF EA EA	9.55 25.8 1 3	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00
5 5 5 5 5 6	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole	EA VF VF EA EA EA	9.55 25.8 1 3 3	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00
5 5 5 5 6 6	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter)	EA VF VF EA EA	9.55 25.8 1 3	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00
5 5 5 5 6 6 6 6	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm	EA VF VF EA EA EA EA EA	9.55 25.8 1 3 8 16 4 16	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00
5 5 5 5 6 6 6 6 6	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Standard Manhole, Type 4 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm	EA VF VF EA	9.55 25.8 1 3 8 16 4 16 42	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$56.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00
5 5 5 5 6 6 6 6 6 6	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 88 Furnish & Install Type 3 Inlet (2' X 3') 89 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill	EA VF VF EA EA EA EA EA	9.55 25.8 1 3 8 16 4 16	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$56.00 \$17.35	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00
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5 5 5 5 6 6 6 6 6 6 8 5 5 5 5 5 5 5 5 6 6 6 6	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Standard Manhole, Type 4 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 57 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 58 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket	EA VF VF EA	9.55 25.8 1 3 3 8 16 4 16 42 80	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,0 \$1,600.00 \$700.00 \$17.35	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,388.00 \$1,47.00
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5 5 5 5 6 6 6 6 6 6 8 5 5 5 5 5 5 5 5 6 6 6 6	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Standard Manhole, Type 4 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 57 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 58 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket	EA VF VF EA	9.55 25.8 1 3 3 8 16 4 16 42 80	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,0 \$1,600.00 \$700.00 \$17.35	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 47.00 \$1,600.00 \$9,100.00 \$347.00
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55 55 55 66 66 66 67 77 <b>SOUTH:</b> A1 A2 A3 A4	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 67 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 68 Furnish & Install Trench Backfill 69 Furnish & Install Trench Backfill 60 Furnish & Install Trench Backfill 61 Supply & Install Tench PVC Watermain 62 Supply & Install 8-Inch PVC Watermain 63 Supply & Install 8-Inch Gate Valve in Valve Box 64 Supply & Install 8-Inch Gate Valve in Valve Box 65 Supply & Install 8-Inch Gate Valve in Valve Box	EA VF VF EA EA EA EA EA TON  LF LF EA EA EA EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 1 13 20 2708 40 5 2	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$9,100.00 \$9,100.00 \$347.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,590.00
55 55 55 66 66 66 67 77 50UTH: A1 A2 A3 A4 A5	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 67 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 68 Purnish & Install Trench Backfill 69 Furnish & Install Trench Backfill 60 Furnish & Install Trench Backfill 61 SOTH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION) 62 Supply & Install 12-Inch PVC Watermain 63 Supply & Install 12-Inch Gate Valve in Valve Box 64 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead.	EA VF VF EA EA EA EA EA TON  LF LF EA EA EA EA EA	9.55 25.8 1 3 3 8 16 4 4 4 16 42 80 2708 40 5 2 5	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$17.35 \$14,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 47.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,590.00 \$34,635.00
55 55 55 66 66 66 67 77 77 <b>SOUTH:</b> A1 A2 A3 A4 A5 A6	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "J" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 70 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 71 Furnish & Install Trench Backfill 730TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION) 75 Supply & Install T-Inch PVC Watermain 75 Supply & Install 8-Inch PVC Watermain 75 Supply & Install 8-Inch Gate Valve in Valve Box 75 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 76 Tie into Existing Watermain and Abandon Existing Watermain (main line)	EA VF VF EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 5 2	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$700.00 \$17.35 \$429, \$96.00 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$3,872.00 \$3,872.00 \$3,872.00 \$3,600.00 \$3,872.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,6788.00
55 55 55 66 66 66 67 77 50UTH: A1 A2 A3 A4 A5	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Standard Manhole, Type 4 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 70 Furnish & Install Trench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION)  Supply & Install 12-Inch PVC Watermain  Supply & Install 8-Inch PVC Watermain  Supply & Install 8-Inch Gate Valve in Valve Box  Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead.  Tie into Existing Watermain and Abandon Existing Watermain (main line)  Connect to Existing Watermain (side street)	EA VF VF EA EA EA EA EA TON  LF LF EA EA EA EA EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 5 2	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$17.35 \$14,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,872.00 \$3,635.00 \$6,788.00 \$5,860.00
55 55 55 66 66 66 8 8 8 8 8 8 8 8 8 8 8	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "J" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 70 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 71 Furnish & Install Trench Backfill 730TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION) 75 Supply & Install T-Inch PVC Watermain 75 Supply & Install 8-Inch PVC Watermain 75 Supply & Install 8-Inch Gate Valve in Valve Box 75 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 76 Tie into Existing Watermain and Abandon Existing Watermain (main line)	EA VF VF EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 5 2	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$17.35 \$1,600.00 \$700.00 \$17.35 \$429, \$96.00 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$3,872.00 \$3,872.00 \$3,872.00 \$3,600.00 \$3,872.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,600.00 \$3,6788.00
55 55 66 66 66 50UTH: 67 77 50UTH: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Standard Manhole, Type 4 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 70 Furnish & Install Trench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION) 59 Supply & Install 3-Inch PVC Watermain 59 Supply & Install 3-Inch PVC Watermain 50 Supply & Install 3-Inch Gate Valve in Valve Box 50 Supply & Install 8-Inch Gate Valve in Valve Box 50 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 51 Tie into Existing Watermain (side street) 51 Furnish & Install Trench Backfill 52 Remove Existing Hydrant 53 Abandon Existing Valves	EA VF VF EA EA EA EA EA EA TON  LF LF EA EA EA EA CY EA EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 2 2700 4 11	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,0 \$1,600.00 \$700.00 \$17.35 \$429, \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$34.70 \$400.00 \$280.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,872.00 \$3,590.00 \$3,590.00 \$3,690.00 \$5,860.00 \$93,690.00 \$1,600.00 \$3,800.00
55 55 55 66 66 66 67 77 77 50UTH: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 67 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 68 Furnish & Install Trench Backfill 69 Furnish & Install Trench Backfill 60 Furnish & Install Trench Backfill 61 South Street - Water Main (NO CDBG FUNDING FOR THIS PORTION) 62 Supply & Install 12-Inch Backfill 63 Supply & Install 12-Inch Gate Valve in Valve Box 64 Supply & Install 8-Inch PVC Watermain 65 Supply & Install 8-Inch Gate Valve in Valve Box 66 Supply & Install 8-Inch Gate Valve in Valve Box 67 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 68 Tie into Existing Watermain and Abandon Existing Watermain (main line) 69 Connect to Existing Watermain (side street) 69 Furnish & Install Trench Backfill 69 Reconstruct Sanitary Manhole 60 Furnish & Install Trench Backfill 60 Reconstruct Sanitary Manhole 61 Furnish & Install Trench Backfill 61 Remove Existing Hydrant 62 Abandon Existing Valves 63 Supply and Install Insulation (4" Thick)	EA VF VF EA EA EA EA EA TON  LF LF EA EA EA CY EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 5 2 2 2 2700 4	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$1,600.00 \$17.35 \$429,4 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$3,394.00 \$3,394.00 \$3,470 \$400.00 \$280.00 \$6.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$1,388.00 \$1,388.00 \$9,100.00 \$3,47.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,690.00 \$3,690.00 \$5,788.00 \$5,860.00 \$93,690.00 \$3,690.00 \$3,690.00 \$3,080.00 \$3,080.00
55 55 55 66 66 66 66 67 77 SOUTH: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 SOUTH: SOUTH:	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 88 Furnish & Install Type 3 Inlet (2' X 3') 89 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 66 Reconstruct Sanitary Manhole 67 Furnish & Install Trench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION)  Supply & Install Te-Inch PVC Watermain  Supply & Install 12-Inch PVC Watermain  Supply & Install 12-Inch Gate Valve in Valve Box  Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead.  Tie into Existing Watermain and Abandon Existing Watermain (main line)  Connect to Existing Watermain (side street)  Furnish & Install Trench Backfill  Remove Existing Hydrant  Abandon Existing Valves  Supply and Install Insulation (4" Thick)  30TH STREET - WATER MAIN (FIXED PRICED ITEMS)	EA VF VF EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 2 2 2 2 2 2 2 2 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$372.00 \$565.00 \$17.35 \$11,00 \$700.00 \$700.00 \$17.35 \$429, \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$34.70 \$400.00 \$280.00 \$43,2	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$1,388.00 \$1,600.00 \$9,100.00 \$3,47.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,590.00 \$3,690.00 \$1,600.00 \$3,690.00 \$3,690.00 \$3,080.00 \$3,080.00
55 55 55 66 66 66 67 77 77 50UTH: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 67 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 68 Furnish & Install Trench Backfill 69 Furnish & Install Trench Backfill 60 Furnish & Install Trench Backfill 61 South Street - Water Main (NO CDBG FUNDING FOR THIS PORTION) 62 Supply & Install 12-Inch Backfill 63 Supply & Install 12-Inch Gate Valve in Valve Box 64 Supply & Install 8-Inch PVC Watermain 65 Supply & Install 8-Inch Gate Valve in Valve Box 66 Supply & Install 8-Inch Gate Valve in Valve Box 67 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 68 Tie into Existing Watermain and Abandon Existing Watermain (main line) 69 Connect to Existing Watermain (side street) 69 Furnish & Install Trench Backfill 69 Reconstruct Sanitary Manhole 60 Furnish & Install Trench Backfill 60 Reconstruct Sanitary Manhole 61 Furnish & Install Trench Backfill 61 Remove Existing Hydrant 62 Abandon Existing Valves 63 Supply and Install Insulation (4" Thick)	EA VF VF EA EA EA EA EA EA TON  LF LF EA EA EA EA CY EA EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 2 2700 4 11	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$1,600.00 \$17.35 \$429,4 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$3,394.00 \$3,394.00 \$3,470 \$400.00 \$280.00 \$6.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$1,388.00 \$1,388.00 \$9,100.00 \$3,47.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,690.00 \$3,690.00 \$5,860.00 \$5,860.00 \$93,690.00 \$3,690.00 \$3,690.00 \$3,080.00 \$3,800.00
55 55 55 66 66 66 66 67 77 77 80UTH: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 SOUTH: F1	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Standard Manhole, Type 4 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 67 Furnish & Install Trench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION)  Supply & Install Tench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION)  Supply & Install 3-Inch PVC Watermain  Supply & Install 8-Inch PVC Watermain  Supply & Install 8-Inch Gate Valve in Valve Box  Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead.  Tie into Existing Watermain and Abandon Existing Watermain (main line)  Connect to Existing Watermain (side street)  Furnish & Install Trench Backfill  Remove Existing Hydrant  Abandon Existing Valves  Supply and Install Insulation (4" Thick)  30TH STREET - WATER MAIN (FIXED PRICED ITEMS)  Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode	EA VF VF EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 2700 4 11 16 16 2 2 2 2 2 2 2 2 2 2 2 2 2	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$372.00 \$565.00 \$565.00 \$17.35 \$11,0 \$1,600.00 \$700.00 \$17.35 \$429, \$96.00 \$6,80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$34.70 \$400.00 \$280.00 \$6.00 \$43,2	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$9,100.00 \$3,47.00 \$259,968.00 \$3,872.00 \$3,872.00 \$3,872.00 \$16,000.00 \$3,590.00 \$3,872.00 \$16,000.00 \$3,4635.00 \$5,860.00 \$93,690.00 \$3,080.00 \$3,080.00 \$3,080.00 \$3,080.00
55 55 55 66 66 66 66 67 77 77 50UTH: A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 50UTH: F1 F2 F3 F4	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Type 3 Catch Basin (2' X 3') 57 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 70 Furnish & Install Trench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION) 58 Supply & Install Tench Backfill  30TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION)  Supply & Install 12-Inch PVC Watermain  Supply & Install 3-Inch PVC Watermain  Supply & Install 3-Inch Gate Valve in Valve Box  Supply & Install 5-Inch Gate Valve in Valve Box  Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead.  Tie into Existing Watermain and Abandon Existing Watermain (main line)  Connect to Existing Watermain (side street)  Furnish & Install Trench Backfill  Remove Existing Hydrant  Abandon Existing Valves  Supply and Install Insulation (4" Thick)  30TH STREET - WATER MAIN (FIXED PRICED ITEMS)  Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode  Reconnect 2" Existing Water Service, LONG SIDE, w/Anode  Reconnect 6" Existing Water Service, SHORT SIDE	EA VF VF EA EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 2700 4 11 64 2 2 2 2 2 2 2 3 3 4 4 5 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$3,370 \$400.00 \$2,930.00 \$1,795.00 \$2,930.00 \$3,1795.00 \$2,930.00 \$3,200.00 \$2,930.00 \$3,200.00 \$2,930.00 \$3,200.00 \$2,930.	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$1,588.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,590.00 \$3,635.00 \$5,860.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,600.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$4,052.00 \$2,008.00 \$6,682.00
55 55 55 66 66 66 66 67 77 77 <b>SOUTH:</b> A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 <b>SOUTH:</b> F1 F2 F3 F4 F5	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 70 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 71 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 72 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 73 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 74 Furnish & Install 12-Inch PVC Watermain 50 Supply & Install 12-Inch PVC Watermain 50 Supply & Install 12-Inch Gate Valve in Valve Box 50 Supply & Install 12-Inch Gate Valve in Valve Box 50 Supply & Install 8-Inch Gate Valve in Valve Box 50 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. Tie into Existing Watermain and Abandon Existing Watermain (main line) Connect to Existing Watermain (side street) Furnish & Install Trench Backfill Remove Existing Watermain (side street) Furnish & Install Trench Backfill Remove Existing Valves 50 Supply and Install Insulation (4" Thick) 30TH STREET - WATER MAIN (FIXED PRICED ITEMS) Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode Reconnect 1-1-1/4" Existing Water Service, SHORT SIDE, w/Anode Reconnect 6" Existing Water Service, SHORT SIDE	EA VF VF EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2 2700 4 11 64 2 2 1 3 1	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,480.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$17.35 \$1,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$2,930.00 \$2,930.00 \$2,930.00 \$2,930.00 \$3,470 \$400.00 \$2,930.00 \$2,930.00 \$2,930.00 \$2,930.00 \$3,040.00 \$2,930.00 \$3,040.00 \$2,930.00 \$2,04	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$1,600.00 \$3,590.00 \$3,635.00 \$6,788.00 \$5,860.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,617.00
55 55 55 66 66 66 66 67 77 77 50UTH: 41 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 SOUTH: 5 F2 F3 F4 F5 F6	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 68 Furnish & Install Type 3 Inlet (2' X 3') 69 Furnish & Install Type 1 Field Inlet (2' diameter) 60 Reconstruct Storm Manhole 61 Furnish & Install Type "J" Casting (R-1550-A), Storm 62 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 63 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 64 Stone Trench (Form #428A) 65 Furnish & Install Trench Backfill 66 Reconstruct Sanitary Manhole 67 Furnish & Install Trench Backfill 68 Reconstruct Sanitary Manhole 69 Furnish & Install Trench Backfill 69 Furnish & Install Trench Backfill 69 Furnish & Install Trench Backfill 60 Surply & Install Selnch PVC Watermain 60 Supply & Install Selnch Gate Valve in Valve Box 60 Supply & Install Selnch Gate Valve in Valve Box 60 Supply & Install Selnch Gate Valve in Valve Box 61 Supply & Install Selnch Gate Valve in Valve Box 62 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 63 Tie into Existing Watermain and Abandon Existing Watermain (main line) 64 Connect to Existing Watermain (side street) 65 Furnish & Install Trench Backfill 66 Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode 67 Reconnect 1-1/4" Existing Water Service, LONG SIDE, w/Anode 68 Reconnect 1-1/4" Existing Water Service, LONG SIDE, w/Anode 69 Reconnect 6" Existing Water Service, LONG SIDE 60 Reconnect 8" Existing Water Service, LONG SIDE	EA VF VF EA EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 6 42 80 2708 40 5 2 2 2700 4 11 64 2 2 1 3 1 2	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$565.00 \$700.00 \$17.35 \$11,00 \$1,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$3,394.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,930.00 \$34.70 \$400.00 \$2,026.00 \$2,630.00 \$2,630.00 \$2,630.00 \$3,630	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,590.00 \$3,690.00 \$5,860.00 \$5,860.00 \$3,880.00 \$1,600.00 \$3,890.00 \$1,600.00 \$3,890.00 \$1,600.00 \$3,890.00 \$1,600.00 \$3,890.00 \$1,600.00 \$3,890.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.
55 55 55 66 66 66 66 66 67 77 77 <b>SOUTH:</b> A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 <b>SOUTH:</b> F1 F2 F3 F4 F5	55 Furnish & Install Standard Manhole, Type 1 56 Furnish & Install Type 3 Catch Basin (2' X 3') 58 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 3 Inlet (2' X 3') 59 Furnish & Install Type 1 Field Inlet (2' diameter) 50 Reconstruct Storm Manhole 51 Furnish & Install Type "J" Casting (R-1550-A), Storm 52 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 53 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 54 Stone Trench (Form #428A) 55 Furnish & Install Trench Backfill  30TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 56 Reconstruct Sanitary Manhole 70 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 71 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 72 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 73 Furnish & Install Type "J" Casting (R-1550-A), with "T" Gasket 74 Furnish & Install 12-Inch PVC Watermain 50 Supply & Install 12-Inch PVC Watermain 50 Supply & Install 12-Inch Gate Valve in Valve Box 50 Supply & Install 12-Inch Gate Valve in Valve Box 50 Supply & Install 8-Inch Gate Valve in Valve Box 50 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. Tie into Existing Watermain and Abandon Existing Watermain (main line) Connect to Existing Watermain (side street) Furnish & Install Trench Backfill Remove Existing Watermain (side street) Furnish & Install Trench Backfill Remove Existing Valves 50 Supply and Install Insulation (4" Thick) 30TH STREET - WATER MAIN (FIXED PRICED ITEMS) Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode Reconnect 1-1-1/4" Existing Water Service, SHORT SIDE, w/Anode Reconnect 6" Existing Water Service, SHORT SIDE	EA VF VF EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 6 42 80 2708 40 5 2 2 2700 4 11 64 2 2 1 3 1	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,480.00 \$1,250.00 \$372.00 \$397.00 \$565.00 \$17.35 \$11,00 \$17.35 \$1,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$2,930.00 \$2,930.00 \$2,930.00 \$2,930.00 \$3,470 \$400.00 \$2,930.00 \$2,930.00 \$2,930.00 \$2,930.00 \$3,040.00 \$2,930.00 \$3,040.00 \$2,930.00 \$2,04	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$16,000.00 \$3,872.00 \$1,600.00 \$3,590.00 \$3,635.00 \$6,788.00 \$5,860.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,800.00 \$3,617.00
55 55 55 66 66 66 66 66 67 77 8 8 8 9 41 42 43 44 45 46 47 48 49 410 411 8 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Standard Manhole, Type 4 67 Furnish & Install Type 3 Catch Basin (2' X 3') 87 Furnish & Install Type 3 Inlet (2' X 3') 88 Furnish & Install Type 1 Field Inlet (2' diameter) 89 Furnish & Install Type 1 Field Inlet (2' diameter) 80 Reconstruct Storm Manhole 81 Furnish & Install Type "J" Casting (R-1550-A), Storm 82 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 83 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 84 Stone Trench (Form #428A) 85 Furnish & Install Trench Backfill 80 TH STREET - SANITARY SEWER (NO CDBG FUNDING FOR THIS PORTION) 86 Reconstruct Sanitary Manhole 87 Furnish & Install Trench Backfill 80 TH STREET - WATER MAIN (NO CDBG FUNDING FOR THIS PORTION) 81 Supply & Install 12-Inch PVC Watermain 82 Supply & Install 12-Inch PVC Watermain 83 Supply & Install 8-Inch PVC Watermain 84 Supply & Install 8-Inch Gate Valve in Valve Box 84 Supply & Install 8-Inch Gate Valve in Valve Box 84 Supply & Install Fire Hydrant w/6-Inch Valve on Hydrant Lead. 85 Tie into Existing Watermain and Abandon Existing Watermain (main line) 86 Connect to Existing Watermain (side street) 87 Furnish & Install Trench Backfill 88 Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode 88 Reconnect 1-1/4" Existing Water Service, SHORT SIDE, w/Anode 88 Reconnect 1-1/4" Existing Water Service, LONG SIDE, w/Anode 88 Reconnect 1-1/4" Existing Water Service, LONG SIDE 88 Reconnect 6" Existing Water Service, LONG SIDE 89 Reconnect 10" Existing Water Service, SHORT SIDE 80 Reconnect 10" Existing Water Service, SHORT SIDE 81 Reconnect 10" Existing Water Service, SHORT SIDE 82 Reconnect 10" Existing Water Service, SHORT SIDE 83 Reconnect 10" Existing Water Service, SHORT SIDE 84 Reconnect 10" Existing Water Service, SHORT SIDE 85 Recon	EA VF VF EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2700 41 11 64 2 2 1 3 1 2 2 1	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$377.00 \$565.00 \$565.00 \$17.35 \$11,600.00 \$700.00 \$17.35 \$429, \$96.00 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$34.70 \$400.00 \$280.00 \$280.00 \$2,619.00 \$2,619.00 \$3,617.00 \$4,3617.00 \$4,361.00 \$4,361.00 \$4,370.00 \$4,970.00	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,4635.00 \$6,788.00 \$5,860.00 \$93,690.00 \$1,600.00 \$3,080.00 \$3,080.00 \$3,080.00 \$3,080.00 \$4,052.00 \$2,619.00 \$8,682.00 \$3,677.00 \$4,970.00
55 55 55 66 66 66 66 66 67 77 80UTH: 41 42 43 44 45 46 47 48 49 410 411 80UTH: F1 F2 F3 F4 F5 F6 F7 F8 80UTH:	55 Furnish & Install Standard Manhole, Type 1 66 Furnish & Install Type 3 Catch Basin (2" X 3") 76 Furnish & Install Type 3 Inlet (2" X 3") 77 Furnish & Install Type 1 Field Inlet (2" diameter) 78 Furnish & Install Type 1 Field Inlet (2" diameter) 79 Furnish & Install Type 1" Casting (R-1550-A), Storm 79 Furnish & Install Type "J" Casting (R-2050-C) Open Grate, Storm 79 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 79 Furnish & Install Type "H" Casting (R-3067-R), Diagonal, Storm 79 Furnish & Install Trench Backfill 70 Furnish & Install Trench Backfill 70 Furnish & Install Trench Backfill 71 Furnish & Install Trench Backfill 72 Furnish & Install Trench Backfill 73 Furnish & Install Trench Backfill 74 Furnish & Install Trench Backfill 75 Furnish & Install Trench Backfill 76 Furnish & Install Trench Backfill 77 Furnish & Install Trench Backfill 78 Furnish & Install Trench Backfill 79 Furnish & Install Trench Backfill 79 Furnish & Install Tench Backfill 70 Furnish & Install Tench Backfill 70 Furnish & Install Tench Furnish Cate Valve in Valve Box 70 Supply & Install Tench Gate Valve in Valve Box 71 Supply & Install Tench Gate Valve in Valve Box 71 Supply & Install Fire Hydrant My6-Inch Valve on Hydrant Lead. 71 Fire into Existing Watermain and Abandon Existing Watermain (main line) 71 Connect to Existing Watermain (side street) 72 Furnish & Install Trench Backfill 73 Remove Existing Hydrant 74 Abandon Existing Water Service, SHORT SIDE, w/Anode 75 Reconnect 1-1/4" Existing Water Service, LONG SIDE, w/Anode 76 Reconnect 1-1/4" Existing Water Service, LONG SIDE, w/Anode 77 Reconnect 6" Existing Water Service, LONG SIDE 78 Reconnect 6" Existing Water Service, SHORT SIDE 79 Reconnect 10" Existing Water Service, SHORT SIDE 70 Reconnect 10" Existing Water Service, SHORT SIDE 70 Reconnect 10" Existing Water Service, SHORT SIDE 71 Reconnect 10" Existing Water Service, SHORT SIDE 72 Reconnect 10" Existing Water Service, SHORT SIDE 73 Reconnect 10" Existing Water Service, SHORT SIDE 74 Reconnect 10" Existin	EA VF VF EA EA EA EA EA EA TON  LF LF EA	9.55 25.8 1 3 3 8 16 4 4 16 42 80 2708 40 5 2 2700 4 11 64 2 2 11 3 1 1 11438	\$479.00 \$479.00 \$1,480.00 \$1,480.00 \$1,240.00 \$1,250.00 \$372.00 \$372.00 \$565.00 \$565.00 \$17.35 \$1,600.00 \$700.00 \$17.35 \$429, \$96.00 \$96.80 \$3,200.00 \$1,795.00 \$6,927.00 \$3,394.00 \$2,930.00 \$34.70 \$400.00 \$2,894.00 \$2,894.00 \$2,894.00 \$2,894.00 \$3,617.00 \$4,365.00 \$4,365.00 \$4,970.00 \$68,7	\$4,574.45 \$12,358.20 \$1,480.00 \$4,440.00 \$3,720.00 \$10,000.00 \$5,952.00 \$1,588.00 \$9,040.00 \$2,352.00 \$1,388.00 \$1,600.00 \$3,47.00 \$259,968.00 \$3,872.00 \$16,000.00 \$3,872.00 \$1,600.00 \$3,872.00 \$1,600.00 \$3,872.00 \$1,600.00 \$3,872.00 \$1,600.00 \$3,590.00 \$3,590.00 \$1,600.00 \$3,080.00 \$3,080.00 \$3,080.00 \$3,080.00 \$4,052.00 \$8,682.00 \$8,632.00 \$8,730.00 \$8,730.00 \$8,730.00 \$8,730.00 \$8,700.00
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Formers to Carpeter