



# Memo

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TO: Committee of the Whole  
FROM: Ed Andrews, Public Works Director  
DATE: August 10, 2018  
SUBJECT: West Holland Street Reconstruction – Engineering Consideration

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In similar fashion to N. Lawndale Ave, staff has been asked to review the reconstruction of Holland from Market Street to South Main Street. A detailed estimate of reconstruction cost had been previously prepared and recently updated in similar format of Lawndale, see attached.

This project is similar to Lawndale in that it will be one of the first City projects to address full pavement reconstruction and the renewal of underground utilities such as the 4" water main and sanitary sewer. This project would also serve as the template for addressing aging water services and sanitary laterals. It is also planned to upgrade portions of the storm sewer to include sump collection lines so that any sump pump connections to the sanitary sewer could be redirected appropriately.

Staff has spoken with two firms that have been previously qualified with the City for this type of work, Mohr & Kerr Engineering and Maurer-Stutz. Key project consideration for us of either firm are the timeline of deliverables. Both firms are comfortable with starting the project yet this summer / early Fall and would be in a position to share preliminary plans in late November / early December for public outreach in either mid- December or mid-January, respecting the holiday. This would allow for a late winter / early Spring bid letting so that construction could begin consummate with the new Fiscal Year on May 1.

Consideration of advancing engineering this year so that construction would be able to start in Spring of 2019 is being brought before Committee of the Whole as a follow-up to discussion at the Public Works Committee meeting of August 6<sup>th</sup>.

cc: File

## Holland Street Reconstruction

from Market St. to S. Main St

Approx Length = 525 LF

Item	Unit	Quan.	Unit Price	Project Total
Sodding, Class 1A	SQ YD	585	\$20.00	\$11,700.00
Supplemental Watering	UNITS	25	\$50.00	\$1,250.00
Topsoil - Furnish & Place 4"	SQ YD	585	\$4.00	\$2,340.00
Earth Excavation	CY	525	\$10.00	\$5,250.00
Pav't Remv'l	SQ YD	1633	\$7.50	\$12,250.00
Brick Pavement Remv'l & Salvage	SQ YD	1556	\$10.00	\$15,555.56
Curb Remv'l	FOOT	1050	\$20.00	\$21,000.00
Sidewalk Remv'l	SQ FT	4200	\$2.50	\$10,500.00
Driveway Apron Remv'l	SQ YD	140	\$4.00	\$560.00
Inlet Demolition	EA	4	\$1,250.00	\$5,000.00
Agg Bse Cse - 8"	TON	850	\$35.00	\$29,762.96
HMA Bse Cse - 4"	TON	392	\$100.00	\$39,200.00
Brick Paver Installation	SQ FT	3528	\$8.00	\$28,224.00
PCC Sidewalk - 4"	SQ FT	4200	\$7.50	\$31,500.00
PCC Driveway Apron- 6"	EA	9	\$2,000.00	\$18,000.00
ADA Ramps	EA	6	\$3,500.00	\$21,000.00
PCC C&G B6.12 (Machine)	FOOT	1050	\$45.00	\$47,250.00
Storm Sewer - CL A, TY 1, 12"	LF	50	\$85.00	\$4,250.00
Trench Backfill (Storm)	CY	47	\$30.00	\$1,410.00
Inlets - Type G-1	EA	4	\$4,500.00	\$18,000.00
Inlet Protection	EA	4	\$225.00	\$900.00
Trench Backfill (San, 10' deep x 5' wide)	CY	345	\$30.00	\$10,350.00
Sanitary Sewer - 8" (10' to 15' Deep)	LF	230	\$100.00	\$23,000.00
Sanitary Lateral (Overhead)	EA	9	\$3,500.00	\$31,500.00
Sanitary MH 4' Dia.	EA	2	\$4,250.00	\$8,500.00
Remove Sanitary MH	EA	1	\$1,250.00	\$1,250.00
Connect to Existing Water Main	EA	2	\$750.00	\$1,500.00
Gate Valve & Box - 6"	EA	2	\$1,000.00	\$2,000.00
Fire Hydrant w/ 6" Gate Valve & Box	LF	2	\$5,000.00	\$10,000.00
Fire Hydrant Removal	EA	2	\$500.00	\$1,000.00
Water Main - 6"	LF	525	\$50.00	\$26,250.00
Water Service - 3/4" (Complete)	EA	9	\$1,250.00	\$11,250.00
Sump Drain Laterals (Complete)	EA	9	\$750.00	\$6,750.00
Sump Drain Line - 6"	LF	800	\$25.00	\$20,000.00
Traffic Control & Protection	LS	1	\$10,000.00	\$10,000.00
				<b>\$488,252.52</b>

Roadway Items	Sewer Items	Storm Items	Water Items
\$11,700.00			
\$1,250.00			
\$2,340.00			
\$5,250.00			
\$12,250.00			
\$15,555.56			
		\$21,000.00	
\$10,500.00			
\$560.00			
		\$5,000.00	
\$29,762.96			
\$39,200.00			
\$28,224.00			
\$31,500.00			
\$18,000.00			
\$21,000.00			
		\$47,250.00	
		\$4,250.00	
		\$1,410.00	
		\$18,000.00	
		\$900.00	
	\$10,350.00		
	\$23,000.00		
	\$31,500.00		
	\$8,500.00		
	\$1,250.00		
			\$1,500.00
			\$2,000.00
			\$10,000.00
			\$1,000.00
			\$26,250.00
			\$11,250.00
		\$6,750.00	
		\$20,000.00	
\$10,000.00			
<b>\$237,092.52</b>	<b>\$74,600.00</b>	<b>\$124,560.00</b>	<b>\$52,000.00</b>

Est. Cost per Foot = \$930.00

Projected Cost per Mile = \$ 4,910,425

\$451.60 \$142.10 \$237.26 \$99.05

\$ 2,384,473 \$ 750,263 \$ 1,252,718 \$ 522,971

