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TO: Public Works Committee  
FROM: Ed Andrews, Public Works Director  
DATE: June 15, 2018  
SUBJECT: Lawndale Ave Engineering  
Contract Authorization with Mohr & Kerr

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## **EXECUTIVE SUMMARY:**

The engineering design and start of a portion of the reconstruction of Lawndale Ave from Walnut Street to Knollcrest Drive was requested to be revisited for this year as a representative project / template for reconstruction for portions of the east end of town.

This project is unique 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 upgrade of the 4" water main to that of an 8" 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 requested that Mohr & Kerr Engineering prepare a proposal for discussion based on similar projects they have performed for the Village of Morton and Dunlap. A manhour breakdown is attached, under a time & material basis with a not to exceed amount of **\$57,552** for design services.

This matter is being presented to the City Council Monday, June 18, 2018, for review and consideration.

cc: File

**Mohr & Kerr Engineering & Land Surveying, P.C.**  
**Man Hour Estimate**  
**City of Washington - Lawndale Ave Reconstruction**  
 8/4/2017

Scope Item	Professional Engineer			Professional Land Surveyor			Senior Design Engineer			Engineering Technician			1 Man Survey Crew			Senior Construction Inspector					
	Hours	Rate	Total	Hours	Rate	Total	Hours	Rate	Total	Hours	Rate	Total	Hours	Rate	Total	Hours	Rate	Total	Total		
2.5 Post Office Coordination	6	\$112.00	\$672.00		\$112.00	\$0.00		\$101.00	\$0.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$672.00		
2.6 Permits	12	\$112.00	\$1,344.00		\$112.00	\$0.00	4	\$101.00	\$404.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$1,748.00		
2.7 Survey		\$112.00	\$0.00	40	\$112.00	\$4,480.00		\$101.00	\$0.00		\$69.00	\$0.00	60	\$118.00	\$7,080.00		\$76.00	\$0.00	\$11,560.00		
2.8 Project Schedule	4	\$112.00	\$448.00		\$112.00	\$0.00		\$101.00	\$0.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$448.00		
2.9 Submittals	4	\$112.00	\$448.00		\$112.00	\$0.00		\$101.00	\$0.00	6	\$69.00	\$414.00		\$118.00	\$0.00		\$76.00	\$0.00	\$862.00		
3.1 Project Development Report	40	\$112.00	\$4,480.00		\$112.00	\$0.00	20	\$101.00	\$2,020.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$6,500.00		
3.2 Specifications Preparation	24	\$112.00	\$2,688.00		\$112.00	\$0.00	4	\$101.00	\$404.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$3,092.00		
3.3 Electronic Delivery		\$112.00	\$0.00		\$112.00	\$0.00	4	\$101.00	\$404.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$404.00		
4.1 Cover Sheet	2	\$112.00	\$224.00		\$112.00	\$0.00	4	\$101.00	\$404.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$628.00		
4.2 Schedule of Quantities	16	\$112.00	\$1,792.00		\$112.00	\$0.00	24	\$101.00	\$2,424.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$4,216.00		
4.2 Typical Sections	2	\$112.00	\$224.00		\$112.00	\$0.00	8	\$101.00	\$808.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$1,032.00		
4.4 General Notes	4	\$112.00	\$448.00		\$112.00	\$0.00	4	\$101.00	\$404.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$852.00		
4.5 Summary of Quantities	4	\$112.00	\$448.00		\$112.00	\$0.00	4	\$101.00	\$404.00	12	\$69.00	\$828.00		\$118.00	\$0.00		\$76.00	\$0.00	\$1,680.00		
4.6 Plan & Profiles	16	\$112.00	\$1,792.00		\$112.00	\$0.00	54	\$101.00	\$5,454.00	20	\$69.00	\$1,380.00		\$118.00	\$0.00		\$76.00	\$0.00	\$8,626.00		
4.7 Intersection Ramp Layouts	8	\$112.00	\$896.00		\$112.00	\$0.00	16	\$101.00	\$1,616.00	8	\$69.00	\$552.00		\$118.00	\$0.00		\$76.00	\$0.00	\$3,064.00		
4.8 Misc Details	4	\$112.00	\$448.00		\$112.00	\$0.00	12	\$101.00	\$1,212.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$1,660.00		
4.9 Highway Standards	2	\$112.00	\$224.00		\$112.00	\$0.00		\$101.00	\$0.00	6	\$69.00	\$414.00		\$118.00	\$0.00		\$76.00	\$0.00	\$638.00		
4.10 Cross Sections	16	\$112.00	\$1,792.00		\$112.00	\$0.00	32	\$101.00	\$3,232.00	6	\$69.00	\$414.00		\$118.00	\$0.00		\$76.00	\$0.00	\$5,438.00		
4.11 Traffic Control Plans	6	\$112.00	\$672.00		\$112.00	\$0.00	12	\$101.00	\$1,212.00	12	\$69.00	\$828.00		\$118.00	\$0.00		\$76.00	\$0.00	\$2,712.00		
4.12 Utility Adjustment Plans		\$112.00	\$0.00		\$112.00	\$0.00	4	\$101.00	\$404.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$404.00		
4.13 Erosion Control Plan/SWPPP	4	\$112.00	\$448.00		\$112.00	\$0.00	12	\$101.00	\$1,212.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$1,660.00		
5.1 Drainage Analysis	4	\$112.00	\$448.00		\$112.00	\$0.00	24	\$101.00	\$2,424.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$2,872.00		
6 Utility Coordination	16	\$112.00	\$1,792.00		\$112.00	\$0.00		\$101.00	\$0.00		\$69.00	\$0.00		\$118.00	\$0.00		\$76.00	\$0.00	\$1,792.00		
TOTAL			\$21,728.00				\$4,480.00				\$24,442.00				\$4,830.00				\$7,080.00	\$0.00	\$62,560.00

7 Construction	66	\$112.00	\$7,392.00		\$112.00	\$0.00		\$101.00	\$0.00		\$69.00	\$0.00		\$118.00	\$0.00	660	\$76.00	\$50,160.00	\$57,552.00
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Assume 22 week Construction Schedule @ 75% Utilization