



**Item:** Northwest Storm Drain Improvements Phase 4 – 6<sup>th</sup> Street NE Storm Water Detention Pond, O. F. 1617.1

**From:** Engineering Division

**Initiated By:** Public Works Department

**Presented By:** Jim Rearden, Public Works Director

**Action Requested:** Consider Bids and Approve Contract

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**Suggested Motion:**

1. Commissioner moves:

"I move the City Commission award a contract in the amount of \$304,540.40 to Missouri River Trucking & Excavation Inc. (MRTE), for the Northwest Storm Drain Improvements Phase 4 – 6<sup>th</sup> Street NE Storm Water Detention Pond, O. F. 1617.1, and authorize the City Manager to execute the construction contract documents."

2. Mayor calls for a second, discussion, inquiries from the public, and calls for the vote.

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**Staff Recommendation:** Approve construction contract award.

**Background:**

Significant Impacts

The project was initiated to improve local area storm drainage. Improvements include the excavation and embankment of the City parcel at 2101 6<sup>th</sup> Street NE for the creation of a storm water detention pond. Additionally, the project includes replacing curb and gutter, pavement, and installation of new storm drain inlets/pipe along the east side of 6<sup>th</sup> Street NE at the intersection with 21<sup>st</sup> Avenue NE.

Citizen Participation

All disturbed area in the boulevard adjacent to the new improvements will be improved to include sidewalk, sod, and landscaping. Local access to residences adjacent to the construction zone will be maintained. Through traffic will be maintained along 6<sup>th</sup> Street NE. Neighborhood Council 3 was informed of the project at their February 2, 2012 meeting.

### Workload Impacts

Thomas Dean & Hoskins Engineering staff assisted City staff with design phase engineering and prepared plans and specifications. City engineering staff will provide construction phase engineering services and project inspection.

### Purpose

The primary objective of the project is to detain storm water from the northeastern section of the watershed and reduce the rate of flow into the storm main that runs south along 6<sup>th</sup> Street NE. This project, along with previous phases, has been designed to reduce the potential for flooding at the intersection of 6<sup>th</sup> Street NE and 21<sup>st</sup> Avenue NE. By adding storage and reducing flow with the new pond, the existing system will have greater capacity to convey flow from other contributing sources in the watershed. Also, the installation of additional curb inlets along 6<sup>th</sup> Street NE will reduce roadway flooding in the area.

In addition to Phase 4 described above, the following improvements associated with this project have either been completed or are currently being designed: 1) additional storm drain inlets and pipes have been installed at the intersections of 34<sup>th</sup> and 35<sup>th</sup> Avenues NE and 11<sup>th</sup> Street NE, and regrading has been completed at the intersection of 34<sup>th</sup> Avenue NE and 11<sup>th</sup> Street NE; 2) additional storm drain inlets have been installed on 6<sup>th</sup> Street NE; 3) storm main improvements have been designed for Smelter Avenue from 4<sup>th</sup> Street NE to 1<sup>st</sup> Street NW; 4) a new storm main is being designed to convey storm water from the intersection of 4<sup>th</sup> Street NE and Smelter Avenue to a river outfall; and 5) a new storm main is being designed to convey storm water from the intersection of the Northwest Bypass and 3<sup>rd</sup> Street NW to a river outfall.

### Project Work Scope

This project consists of miscellaneous storm drain piping demolition, detention pond excavation and embankment, 205 feet of 42-inch RCP storm drain pipe, 10 feet of 12-inch PVC storm drain pipe, 7 feet of 15-inch PVC storm drain pipe, 6 feet of 4-inch PVC storm drain pipe, one 72-inch diameter storm drain manhole, 2 pipe connections to an existing manhole, one cast-in-place concrete outlet structure, 2 new curb inlets, one curb inlet frame and grate, concrete inlet apron, approximately 20 square yards of asphalt pavement and base course gravel, 250 square yards of geogrid reinforcing, 35 square yards of erosion control mat, 1020 lineal feet of 6-foot chain link security fencing, one 4-foot chain link swing gate, one 16-foot chain link double swing gate, 405 square feet of concrete trickle channel, 97 lineal feet of concrete curb channel, 1140 square feet of concrete sidewalk, 130 square feet of concrete driveway approach, 180 square feet of concrete driveway apron, irrigation system and associated water and electrical service, landscaping, seeding and tree removal. The project is scheduled for substantial completion in 90 calendar days.

Evaluation and Selection Process

Five bids were received on April 4, 2012 with the bids ranging between \$304,540.40 and \$425,425.00. MRTE submitted the low bid.

Conclusion

City staff recommends awarding the contract to MRTE in the amount of \$304,540.40.

**Fiscal Impact:**

The attached bid tabulation summarizes bids that were received. City storm drain funding is programmed to fund this project.

**Alternatives:**

The City Commission could vote to deny award of the construction contract and re-bid or cancel the project.

**Attachments/Exhibits:**

1. Bid tabulation is attached.

