



# FOR YOUR INFORMATION

## Engineering Department

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### PROJECT: MAJOR CONSTRUCTION PROJECTS

August 2009

WARD 4 – COUNCIL MEMBER BRIAN MEYER

### Crawford Creek Watershed Improvements – E. Gray Street to S.E. 9<sup>th</sup> Street

This contract was awarded to Jenco Construction, Inc. for \$4,142,487.34. This project consists of constructing approximately 2800 LF of new reinforced concrete box culvert ranging in size from 7' x 10' to 5' x 12' between E. Gray Street and S.E. 6<sup>th</sup> Street and upsizing the culvert under S.E. 9<sup>th</sup> Street. Work also includes relocation of conflicting utilities including sanitary sewer, water main, and storm sewer; reconstruction of streets, reconstruction of parking lot pavements, and site seeding or sodding of disturbed areas.



The contractor has placed more than 95% of the new box culvert. In June, Indianola Avenue was reduced to one lane each direction while the culvert was constructed under the second half of Indianola Avenue. The contractor is now removing and replacing box culvert underneath E. Gray Street. The inlet for the entire project is located just south of E. Gray Street.

After the box culvert is complete there is still site restoration that needs to be done including grading, sodding, and seeding. This project is about 88% complete and should be completed during the fall of 2009.

### Blank Park Zoo 2009 Walkway and Storm Sewer Replacement

The project consists of removing and replacing an 18-inch storm sewer and manhole, removing and replacing pavement for walkways in the Blank Park Zoo, and driveways in around staff's service building area. The contract was awarded to Sheets Excavation, Ltd. for \$116,162.50. Construction commenced on March 30<sup>th</sup> and was completed in May.

## 2009 Expanded Street Resurfacing Programs

These improvements are funded by gaming revenues in partnership with the City of Des Moines, Polk County, Prairie Meadows Race Track and Casino, and RACI. There are 51 streets included in four programs that will receive new hot mix and warm mix asphalt surfaces. The four contracts are scheduled to be bid this summer. The following streets located in Ward 4 are scheduled to be resurfaced by fall.

<u>Street</u>	<u>From</u>	<u>To</u>
S.E. 7 <sup>th</sup> Street	Pleasant View Drive	Indianola Avenue
E. 17 <sup>th</sup> Street	E. Grand Avenue	Lyon Street
S.E. 34 <sup>th</sup> Street	Easter Lake Drive	Evergreen Avenue
Lyon Street	E. 25 <sup>th</sup> Street	E. 29 <sup>th</sup> Street
McKinley Avenue	East of S.E. 5 <sup>th</sup> Street	S.E. 14 <sup>th</sup> Street
South Union Street	Park Avenue	Bell Avenue
Vandalia Road	CB&Q Street	S.E. 43 <sup>rd</sup> Street
Virginia Avenue	S.E. 7 <sup>th</sup> Street	S.E. 8 <sup>th</sup> Street



S.E. 25<sup>th</sup> Street

## 2009 Parks Playground and Basketball Courts Improvements

This project has five locations. A new basketball court and new retaining wall will be constructed at Good Park; a new basketball court at M.L. King Park; new sidewalk and curbing around the existing playground equipment at Woodlawn and Burke Parks; and a new bike trail in the Three Lakes area (south of Army Post Road and east of Indianola Avenue). The contractor, T.K. Construction, Inc., will have the project completed by the end of this summer.

## Bates and Evergreen Parks Playground Improvements

This project will install new sidewalk, curbing, and playground equipment at Bates Park and Evergreen Parks. Also included is a shelter at Bates Park and a swing at Evergreen Park. A contract has been awarded to T.K. Construction, Inc., and the work will be completed this fall.

## **Southeast Connector**

The Southeast Connector Project consists of a group of construction projects which extend in an easterly direction, and a new street corridor system similar to the recently completed east/west section of the Martin Luther King Jr. Parkway.

### **Southeast Connector – Des Moines River Bridge with Levee, Sanitary Sewer, and Water Main Relocation**

On April 7, 2008 City Council awarded a contract for this improvement to United Contractors, Inc. and subsidiaries in the amount of \$12,256,914.02. This project consists of building two pre-tensioned, pre-stressed concrete beam bridges over the Des Moines River, levee relocation, removal and replacement of a 48-inch sanitary sewer, water main, HMA recreation trail, bridge approach pavement, bridge accent and security lighting, contaminated soil handling and disposal, and project restoration.

The construction began on April 21, 2008. The contractor has completed the construction of the sanitary sewer, water main, contaminated soil disposal, and has completed over 75% of the bridge's substructure and beam placement.



The contractor is also working on placing the reinforcing steel for the bridge decks. The first bridge deck pour is scheduled for mid-August. Project completion is anticipated in 2010.

### **Southeast Connector Paving – S.E. 4<sup>th</sup> Street to S.E. 9<sup>th</sup> Street**



On March 9, 2008 City Council awarded a contract for this improvement to Elder Corporation in the amount of \$3,356,000. This project consists of building various width 10-inch thick Portland Cement Concrete Pavement on the Southeast Connector and 8-inch thick Portland Cement Concrete Pavement on S.E. 5<sup>th</sup>, S.E. 7<sup>th</sup>, S.E. 8<sup>th</sup>, and S.E. 9<sup>th</sup> Streets. Also included in this project are the necessary removals, earthwork, clearing, grubbing, erosion control, sidewalks, driveways, recreation trails, storm sewer, water main, traffic signals, street lighting, landscaping, and a lawn irrigation system.

The construction began on April 3, 2009. The contractor has completed the clearing, grubbing, rough grading, water main, and storm sewer construction. The first two main line pavement pours have been completed. The contractor is currently working on PCC pavement, traffic signals, and street lighting.

Project completion is anticipated in 2010.

## **Southeast Connector Paving – S.W. 2<sup>nd</sup> Street to S.E. 6<sup>th</sup> Street**

On July 13, 2009 City Council awarded a contract for this improvement to Corell Contractor, Inc. & Subsidiary in the amount of \$6,366,096.13. This project consists of building various width 10-inch thick Portland Cement Concrete Pavement on the Southeast Connector, and 8-inch thick Portland Cement Concrete Pavement on S.W. Water Street. Also included in this project are the necessary removals, clearing, grubbing, earthwork, erosion control, sidewalks, driveways, recreation trails, storm sewer, gate well structure, water main, traffic signals, street lighting, retaining wall, intersection enhancements, landscaping, and a lawn irrigation system.

Construction began on July 20, 2009. The contractor is currently working on the gate well structure, water main, and the storm sewer.

Project completion is anticipated late 2010.

## **Cownie Soccer Fields Improvement, Phases 1, 2 and 3**

This project will reduce the crowns of the soccer fields, and drainage systems will be installed to provide for shorter delays after rains and reduce the wear on the fields. Phase 1, which was awarded to Smith Seeding, has been completed. Phase 2, which was awarded to Elder Corporation, is substantially complete. Phase 3, which was also awarded to Elder Corporation, is under construction and should be completed this fall.



## **2009 Sewer Lining Program**

This project was awarded to Insituform USA in the amount of \$4,187,362.50. It is part of an ongoing sewer rehabilitation program, including some sewers in the downtown area that were constructed in the 1800's. Construction is underway and will continue into the fall and winter.

## **S.E. 14<sup>th</sup> Street Widening at E. Indianola Avenue**

This project will provide a second left-turn lane on the south leg of S.E. 14<sup>th</sup> Street (U.S. 69) at Indianola Avenue. This traffic safety improvement project will require the widening of S.E. 14<sup>th</sup> Street along the west side from 89 feet to 95 feet. Right-of-way for the project has been acquired. This project was bid in June. Utility relocation has taken place. Construction is to begin in August.

## **S.E. 5<sup>th</sup> Street Resurfacing – Army Post Road to County Line Road**

This federal stimulus funded project includes the rehabilitation of S.E. 5<sup>th</sup> Street from E. Army Post Road to E. County Line Road to improve condition and extend life of the pavement. The construction will include curb repairs, patching of the existing deteriorated concrete pavement, and resurfacing with hot mix asphalt. This project was awarded to Grimes Asphalt & Paving Corp. for \$467,340.08. The construction will be started by late August or early September.

## Ewing Park ADA Improvements



Based upon a city-wide study that identified non-compliant barriers with respect to the requirements of the Americans with Disabilities Act (ADA), work has begun to remove these barriers at Ewing Park.

A key area of the park affected by this work is the Soap Box Derby Association track facilities. New accessible concrete parking spaces will be linked by 6'-0" wide concrete walkways to accessible viewing areas allowing spectators to view the start, mid course and finish of race events.

Improvements extend to other aspects of the park as well. New accessible parking spaces are being designated in the existing parking lot located south of

McKinley Avenue. These parking spaces will be tied in to a 6'-0" wide walkway system linking the existing park shelter, restroom building and soap box derby midcourse and finish line. New drinking fountains and barbecue grilles will be incorporated into this work.

T K Concrete Inc, based in Pella, Iowa, is making these improvements at a cost of \$115,888.00. Work is scheduled for completion in September 2009.

## E. Indianola Avenue Widening from S.E. 14<sup>th</sup> Street to S.E. 16<sup>th</sup> Court

This project includes reconstructing E. Indianola Avenue from S.E. 14<sup>th</sup> Street to south of S.E. 16<sup>th</sup> Court. This project is the first phase of several projects to reconstruct and widen E. Indianola from S.E. 14<sup>th</sup> Street to Army Post Road. E. Indianola Avenue from S.E. 14<sup>th</sup> Street to E. Army Post Road is intended to be reconstructed as a "complete street" design. A "complete street" design includes accommodation for not only vehicular traffic, but also mass transit, pedestrians, commuter and recreational bicyclists, and other recreational users. The design concept includes a 4-foot sidewalk on the east side of the roadway and an 8-foot multi-purpose trail (sidepath) on the west side. Both the sidewalk and sidepath will provide a safe route for students walking or biking to either Jackson Elementary School or Weeks Middle School at Indianola Avenue & Park Avenue. The 8-foot sidepath will also provide a continuous connection to the 10' trail through Ewing Park, and will accommodate pedestrians, recreational bikers, and in-line skaters.

From S.E. 14<sup>th</sup> Street to Ewing Park, the proximity of existing homes and the limited available right-of-way width make a "complete street" design much more challenging. Two traffic lanes in each direction are still required to handle the anticipated traffic. A raised median will not be included in this section, but a two-way left-turn lane will be provided from Jackson Elementary School to Ewing Park. From Evergreen Avenue to Jackson Elementary School, this center turn lane will not be included in order to minimize the total roadway width and the impacts to adjacent homes and businesses. From Evergreen Avenue north to S.E. 14<sup>th</sup> Street, turn lanes will again be provided to accommodate the heavy turning traffic.

The project also includes a new storm sewer system, utilities will be relocated underground, new traffic signals at S.E. 14<sup>th</sup> Street, Evergreen Avenue, and Watrous Avenue and other incidental items. The project also incorporates a bus and parent drop off lanes at Jackson Elementary in order to minimize traffic disruption to traffic flow along E. Indianola Avenue. The contract was awarded to Reilly Construction Co., Inc. for \$3,554,658.64. Construction will begin in August and the project will be completed by winter 2010.

## **E. McKinley Avenue Widening – South Union Street to S.E. 5<sup>th</sup> Street**

This phase of McKinley Avenue reconstruction has received federal stimulus funding and will replace the existing two-lane roadway between South Union Street and S.E. 5<sup>th</sup> Street with a three-lane Portland cement concrete roadway. The right-of-way for this project has been acquired. Utilities are currently being relocated. The project was bid July 21, with construction to begin in late summer or early 2010. The contract was awarded to Reilly Construction Co., Inc.

## **McKinley Avenue Resurfacing – South Union Street to Fleur Drive**

This contract will be let by the Iowa DOT on July 21. The project consists of milling and overlay of McKinley Avenue from South Union Street to Fleur Drive. The newer PC concrete intersection at S.W. 9<sup>th</sup> Street will not be resurfaced.

This project is one of the City's stimulus funded projects. Construction of this project should start in August or September and be completed (including final pavement markings) this fall.