



City of Grand Island

Tuesday, November 12, 2013

Council Session

Item G-14

#2013-359 - Approving Selection of the Diamond Engineering Company for the Construction Contract for the State Street and Capital Avenue Connector Trail Project

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Scott Griepentstroh, Project Manager

Meeting: November 12, 2013

Subject: Approving Selection of the Diamond Engineering Company for the Construction Contract for the State Street and Capital Avenue Connector Trail Project

Item #'s: G-14

Presenter(s): John Collins, Public Works Director

Background

All agreements must be approved by the City Council.

The Federal-aid Transportation Enhancement (TE) Program provides funding to construct and restore transportation infrastructure that are not eligible to be funded through other programs. TE activities offer funding opportunities to help expand transportation choices and enhance the transportation experience. Project types eligible for this funding are hike/bike trails, historic preservation, and scenic or historic byways. Approved projects receive up to 80% Federal funding.

The State Street and Capital Avenue Connector Trail Project will construct a 0.5 mile, 10' wide concrete recreational trail for bicycle and pedestrian use in northwest Grand Island. This project will begin on the State Street Trail 0.25 mile west of US Highway 281, extend north within City right-of-way along the west side of the Moores Creek Drainway, and end at the west end of the concrete trail that was recently completed along Capital Avenue under project STPAA-5436 for the Eagle Scout Trail.

A pedestrian bridge will be constructed at the south end of the project over the drainage ditch that parallels State Street.

The 20% match for the project is provided by the City of Grand Island through the Capital Improvements Fund.

Discussion

As specified in the Program Agreement with NDOR, the State advertised and conducted the letting for this project. Two bids were received and opened on October 24, 2013. The

bids were submitted in compliance with the contract, plans and specifications. The bid tabulations are included with this Council item.

<i>Bidder</i>	<i>Exceptions</i>	<i>Bid</i>
The Diamond Engineering Company of Grand Island, NE	None	\$346,845.74
Van Kirk Sand and Gravel, Inc. of Sutton, NE	None	\$393,450.55

The low bid exceeds the Engineer's Estimate project total cost of \$336,189.50. Public Works staff reviewed the bids and determined the low bid to be acceptable. A recent increase in construction activity regionally is considered as one cause for contractors submitting higher bid prices. Also, unit bid prices for the pedestrian bridge items were higher than the unit prices in the Engineer's Estimate, but compared favorably between the two bidding contractors. It is unlikely that re-advertising the project will result in lower bids.

The tentative start date for construction is in late summer of 2014. The project is expected to be completed in late 2014. Public Works staff is currently in the process of negotiating the scope and fee for Construction Engineering services with The Schemmer Associates, Inc.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

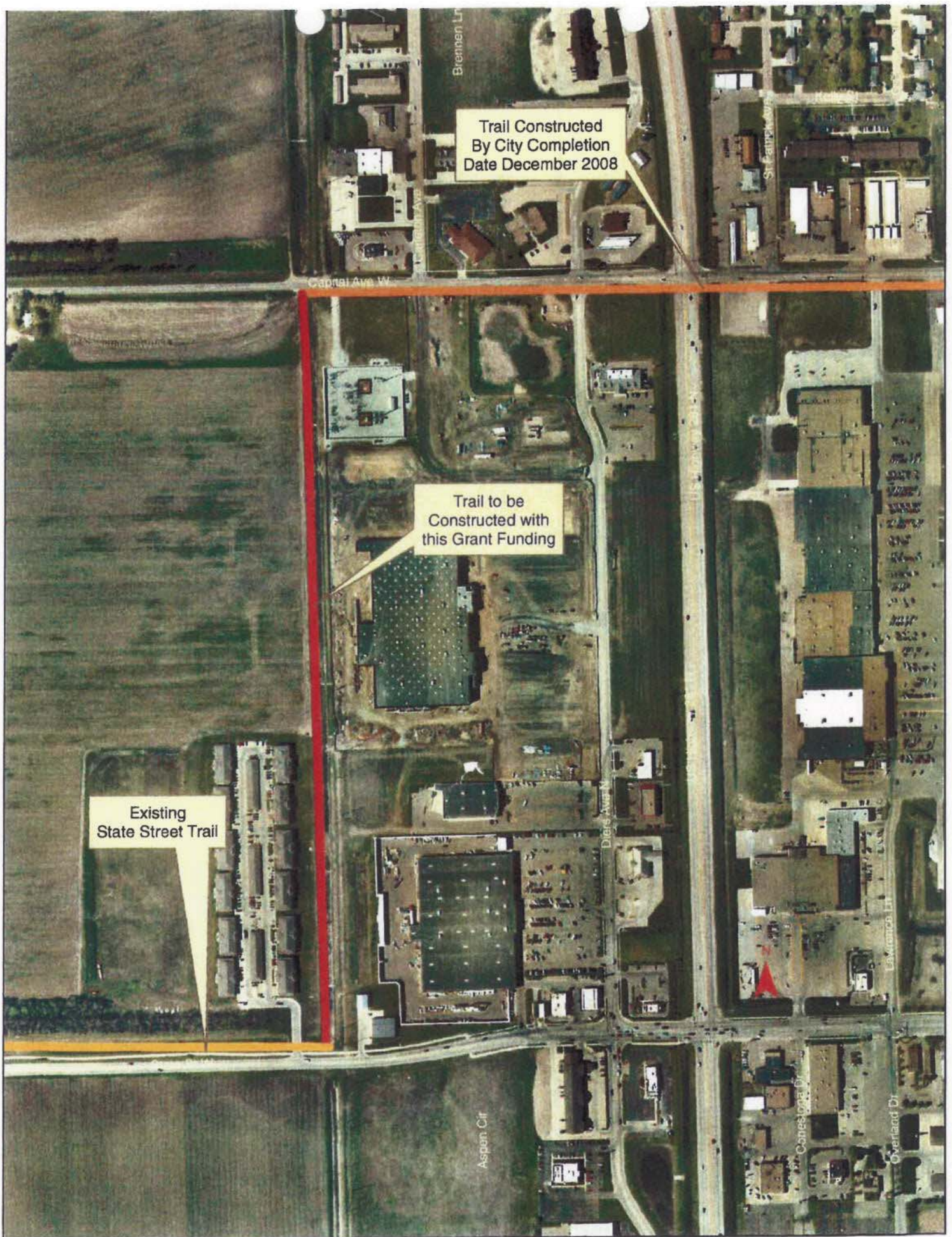
1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approves the selection of The Diamond Engineering Company of Grand Island, Nebraska for the Construction Contract for the State Street and Capital Avenue Connector Trail Project.

Sample Motion

Move to approve the agreement.



Project ENH-40(59)

State Street and Capital Avenue Connector Trail

Project Description

This Trail Project will construct an approximately 0.6 mile, 10' wide concrete recreational trail for bicycle and pedestrian use in northwest Grand Island. This project will begin on the State Street Trail 0.5 mile west of US Highway 281, extend north within City right-of-way along the west side of the Moores Creek Drainway, and end at the west end of concrete trail that was recently completed along Capital Avenue under project STPAA-5436 for the Eagle Scout Trail.

This trail will be constructed within undeveloped City owned right-of-way that abuts an affordable housing development and an area planned for residential development on the west, and abuts an outfall ditch and commercially developed property on the east.

This improvement will serve as a connector for the Shoemaker and State Street Trails and a recently completed segment of the Eagle Scout Trail. This proposed segment is a planned expansion in the City Parks and Recreation Master Plan and shown as a future segment in the City Trail Brochure.

Scope details include:

- Clearing and Grubbing will be required
- Minor Grading will be necessary for the proposed trail profile
- Surveying and Staking will be required
- Areas disturbed during construction will be stabilized utilizing methods of erosion control as shown in the Storm Water Pollution Prevention Plan (SWPPP)
- A concrete box culvert will be constructed at the south end of the proposed trail for the Moore's Creek outfall ditch

(continued)

- Area Inlets and Culvert pipe will be constructed at locations along the proposed trail to accommodate drainage from the west properties
- A modular block retaining wall may be required near the existing box culvert at the north end of the trail
- The proposed trail will be constructed with Portland Cement Concrete, 10' wide and 6" deep
- The subgrade below the concrete trail will be prepared to provide a firm, stable base
- Earth shoulders will be constructed on each side of the proposed trail
- Permanent seed, sod, and erosion control will be placed on all disturbed areas as needed to prevent displacement of the soil
- Bollards will be installed to prevent access of unauthorized vehicles
- Signage meeting MUTCD requirement will be installed

Project ENH-40(59)
State Street and Capital Avenue Connector Trail
Purpose and Need Statement

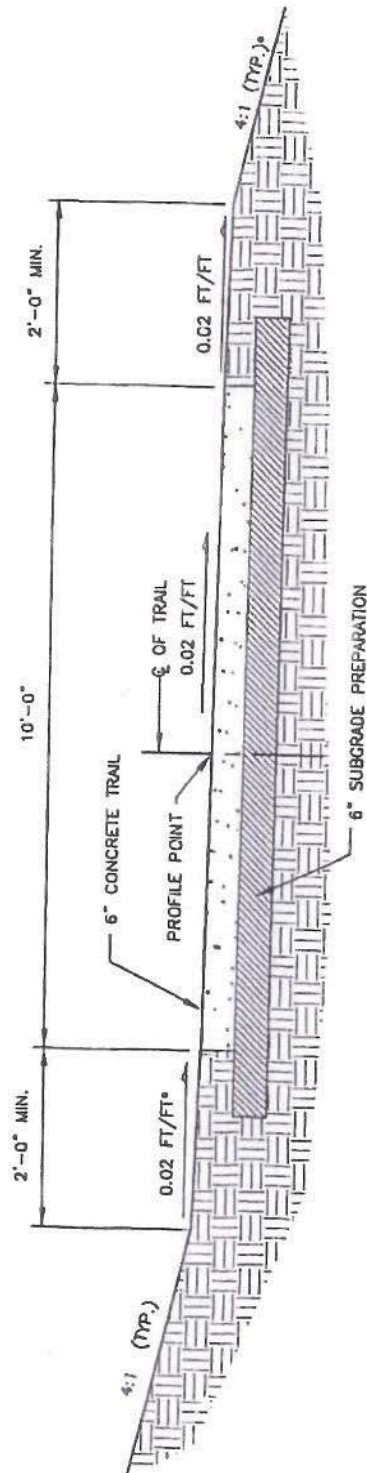
The purpose of this project is to construct a recreational trail to connect existing trails (Shoemaker Trail and State Street Trail) to a recently completed, western segment of the Eagle Scout Trail. This segment is a planned expansion in the City Parks and Recreation Master Plan and shown as a future segment in the City Trail Brochure.

This project will expand the bicycle and pedestrian transportation system in Grand Island. Trails serve community needs by enhancing recreational opportunities and benefiting healthy lifestyles. Trail systems improve safety for active people because trails are for their exclusive use. Motor vehicles are prohibited and signage is installed for users' guidance and safety. Trails also offer economic benefits by providing a desirable amenity for home buyers.

The termini of the proposed project are at existing trails and additional improvements will not be required to make it functional for its intended purpose. Due to the nature of this project, any environmental impact beyond the project limits will be marginal.

The Shoemaker Trail was constructed under Project STPB-40(49) in 2002 (80% Transportation Enhancement funds and 20% City funds). The State Street Trail was constructed under Project STPB-40(40) in 1995 (80% Federal Roadside Enhancement funds and 20% City funds). The segment of the Eagle Scout Trail was constructed under Project STPAA-5436 in 2009 (80% by Federal STP funds and 20% City funds).

The design of this trail will be based on the standards described in the Nebraska Department of Road's Transportation Enhancement Program Trail Design Guidelines.



TYPICAL TRAIL SECTION

R E S O L U T I O N

WHEREAS, there has been signed by the City of Grand Island on the 27th day of April, 2010, and the State on the 7th day of May, 2010, an agreement providing for the construction of a Federal Aid Project at the following location: Shoemaker Trail, which runs along State Street, to an existing trail along Capital Avenue.

, and

WHEREAS, in the above agreement, the City has pledged sufficient funds to finance its share of the cost of the construction of this project identified as ENH-40(59), and

WHEREAS, the above mentioned agreement provided that the City would pay costs as set forth in the agreement, and

WHEREAS, the State and the City received bids for the construction of this project on October 24, 2013, at which time 2 bids were received for the construction of the proposed work, and

WHEREAS, the following contractor(s) for the items of work listed has/have been selected as the low bidder(s) to whom the contract(s) should be awarded:

The Diamond Engineering Company, Grand Island, NE

Grading, Concrete Pavement, Culverts, General Items: \$346,845.74

NOW THEREFORE, in consideration of the above facts, the City Council of the City of Grand Island, by this resolution, takes the following official action:

1. If for any reason the Federal Highway Administration rescinds, limits its obligations, or defers payment of the Federal share of the cost of this project, the City hereby agrees to provide the necessary funds to pay for all costs incurred until and in the event such Federal funds are allowed and paid.
2. The Council hereby concurs in the selection of the above mentioned contractor(s) for the items of work listed, to whom the contract(s) should be awarded.
3. The Council hereby authorizes the Mayor to sign the contract(s) with the above mentioned Contractor(s) for the above mentioned work on behalf of the City.

DATED THIS _____ DAY OF _____, A.D. _____

CITY OF GRAND ISLAND

ATTEST:

(Mayor)

Council Member _____

(City Clerk)

Moved the adoption of said resolution.

Roll Call: _____ yea, _____ nay.

Resolution adopted, signed and billed as adopted.