



City of Grand Island

Tuesday, March 22, 2022

Council Session

Item G-13

#2022-73 - Approving Preliminary Plans, Specifications, and Estimates with Nebraska Department of Transportation for Five Points Intersection

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

Council Agenda Memo

From: Keith Kurz PE, Assistant Public Works Director-
Engineering

Meeting: March 22, 2022

Subject: Approving Preliminary Plans, Specifications, and
Estimates with Nebraska Department of Transportation
for Five Points Intersection

Presenter(s): John Collins PE, Public Works Director

Background

On February 14, 2017, via Resolution No. 2017-34, City Council approved an agreement with Olsson Associates of Lincoln, Nebraska, in the amount of \$72,550.00 for engineering services related to Five Points Signal and Geometric Improvements. This project was for the improvement of the 5 Points intersection in areas of both lane use and traffic signal operation. The existing cable span signals were to be replaced with new mast arm signals, improvement of existing roadway geometrics, evaluation of existing lane configurations for operation, and installation of signing improvements to meet 2009 MUTCD requirements in the area of this intersection.

During the course of Olsson Associates engineering services work on this project it was recommended that a study of the entire area surrounding the 5 Points intersection be considered. Further study allowed for examination of the Five Points intersection to aid in specifically reducing the incidence of crashes; reducing vehicle delay, improving the mobility of the traveling pedestrians and correcting roadway geometric deficiencies.

In 2017 the Nebraska Department of Transportation (NDOT) selected the 5 Points intersection improvements as a safety project, making it eligible for Federal-aid funding. Federal funds are available for a maximum of 80% of the eligible participating costs, while the Local Public Agency (LPA) is responsible for the remaining 20% as well as all other nonparticipating or ineligible costs of the project. The estimate of this project was \$2,265,300.00, with the LPA share being \$565,300.00, and the Federal share payable capped at \$1,700,000.00.

On January 23, 2018, via Resolution No. 2018-21, City Council approved the Program Agreement for 5 Points intersection improvements with NDOT.

On October 9, 2018, via Resolution No. 2018-291, City Council approved an agreement with Olsson, Inc. of Grand Island, Nebraska and NDOT to perform preliminary

engineering services on the 5 Points intersection improvements. Such agreement was for an amount not to exceed \$361,475.00.

On April 27, 2021, via Resolution No. 2021-97, City Council approved Program Agreement Supplement No. 1 with NDOT for the 5 Points intersection improvements. Such supplement increased the funding cap originally established from \$1,700,000.00 to \$2,640,000.00. The funding split remained at 80% Federal Highway Safety Improvement Project (HSIP) funding and 20% match from the Local Public Agency (LPA). The estimate of the project at this time was \$3,560,158.81, with the LPA share being \$920,158, and the Federal share payable capped at \$2,640,000.00.

Such project consists of geometric improvements with a roundabout and will right size the lane configuration to optimize safety and efficiency, and meet the Federal Highway Administration (FHWA) safety program requirements.

Discussion

5 Points Intersection Improvements project plans have been developed to the point submittal is the next step for final edits and subsequent bid letting. The Program Agreement of the project requires the City to review the Preliminary Plans, Specifications, and Estimates (PS&E) package and either request modification or approve as acceptable at this stage. Upon review of the submitted PS&E package by the Public Works Engineering staff the City wishes to approve such as submitted.

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 approve a resolution accepting the Preliminary Plans, Specifications, and Estimates (PS&E) package as submitted to the City.

Sample Motion

Move to approve the resolution.

RESOLUTION 2022-73

**APPROVAL OF PRELIMINARY PLANS, SPECIFICATIONS, AND ESTIMATES
(PS&E)**

City of Grand Island

Resolution No. 2022-73

Whereas: City of Grand Island (City) and State entered into an LPA Program Agreement for State to assist City in the development and construction of an LPA Federal-aid transportation project;

Whereas: The State or the design consultant has developed the project plans to the point where they are ready to submit to State’s PS & E Section for final edits for a bid letting;

Whereas: The LPA Program Agreement requires the city to review the preliminary PS & E package and either request modification or approve them as acceptable at this stage;

Whereas: City wishes to approve the preliminary PS & E package as prepared.

Be It Resolved by the City Council of the City of City of Grand Island that:

The Mayor, Roger Steele, is hereby authorized to sign the bottom of this resolution and submit it to the State signifying the City’s approval of the preliminary PS & E package.

NDOT Project Number: HSIP-5409(3)

NDOT Control Number: 42863

NDOT Project Name: Five Points Intersection, Grand Island

Adopted this 22nd day of March, 2022 at Grand Island, Nebraska.
(Month) (Year)

The City Council of the City of Grand Island, Nebraska

Board/Council Member _____
Moved the adoption of said resolution
Member _____ Seconded the Motion
Roll Call: _____ Yes _____ No _____ Abstained _____ Absent
Resolution adopted, signed and billed as adopted

CITY OF GRAND ISLAND
Roger Steele

Mayor

Attest:

Signature City Clerk

Resolution G – Preliminary PS & E Package
(To be filled out by LPS RC)

Approved as to Form ☐ _____
March 18, 2022 ☐ City Attorney