



# City of Grand Island

Tuesday, April 27, 2021

Council Session

## Item G-16

**#2021-102 - Approving 90% Plans for Five Points Intersection**

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

# Council Agenda Memo

**From:** Keith Kurz PE, Assistant Public Works Director

**Meeting:** April 27, 2021

**Subject:** Approving 90% Plans 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.

Public Works applied for Nebraska Department of Transportation (NDOT) safety funds to help with costs of the 5 Points intersection improvements. The project was selected as a NDOT safety project, with Federal-aid funding available through NDOT. The federal share payable on any portion of a local federal-aid project is 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.

Program Agreement Supplement No. 1 is being presented to City Council to increase the funding cap originally established in the Program Agreement from \$1,700,000.00 to \$2,640,000.00. The funding split will remain at 80% federal Highway Safety Improvement Project (HSIP) funding and 20% match from the Local Public Agency (LPA). The current estimate for the project is \$3,560,158.81.

## **Discussion**

At this time the City's approval of the 90% project plans is necessary to continue moving forward with the Five Points Intersection improvements.

The improvement for the Five Points Intersection include geometric improvements with a multi-lane roundabout and will right size the lane configuration to optimize safety and efficiency, and meet the Federal Highway Administration (FHWA) safety program requirements.

## **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 the resolution giving formal approval of the 90% project plans for the Five Points Intersection.

## **Sample Motion**

Move to approve the resolution.

**RESOLUTION**  
**"90% PLANS" APPROVAL**

City of Grand Island

Resolution No. 2021-102

**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 "90% Plans" stage of development, dated March 24, 2021.

**Whereas:** The "90% Plans" also includes Right of Way Plans;

**Whereas:** The LPA Program Agreement requires the City to review the "90% Plans" and either request modification or approve them as acceptable at this stage;

**Whereas:** City wishes to approve the "90% Plans", including the Right of Way Plans as prepared.

**Be It Resolved by the City Council of the 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 "90% Plans" dated March 24, 2021, including Right of Way Plans for the project.

NDOT Project Number: HSIP-5409(3)

NDOT Control Number: 42863

NDOT Project Name: Five Points Intersections, Grand Island

Adopted this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ at \_\_\_\_\_ 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 D -- 90% Plans  
(To be filled out by LPS RC)