



City of Grand Island

Tuesday, July 25, 2006

Council Session

Item G20

#2006-206 - Approving Installation of Protected Left Turn Arrows for the Traffic Signal on Stolley Park Road at the Intersection with Blaine Street

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: July 25, 2006

Subject: Approving Installation of Protected Left Turn Arrows for the Traffic Signal on Stolley Park Road at the Intersection with Blaine Street

Item #'s: G-20

Presenter(s): Steven P. Riehle, Public Works Director

Background

Council approval is needed for the installation of left turn arrows on traffic signals. Installation of protected left turn arrows on traffic signals is based on meeting warrants outlined in the United States Department of Transportation Traffic Control Devices Handbook. The following five (5) intersections were checked against the warrants:

- Faidley Avenue at US HWY 281
- Faidley Avenue at Webb Road
- Stolley Park Road at Blaine Street
- Custer Avenue at Faidley Avenue
- Faidley Avenue at Custer Avenue

Discussion

During this study the only intersection that met the warrants for a left turn arrow was on Stolley Park Road at Blaine Street. The intersection currently has video detection and will be set up to minimize delay that sometimes happens with the installation of protected left turn lanes. The left turn arrow will appear at the beginning of the cycle. The left turn arrow will only be activated by a vehicle on Stolley Park Road that approaches the intersection and prompts the signal to turn left onto Blaine Street. If approved, the video detection will be set to give a left turn arrow only when there are two (2) or more vehicles in the left turn storage bay.

Alternatives

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

1. Move to approve the installation of left turn arrows for the traffic signal on Stolley Park Road at the intersection with Blaine Street.
2. Refer the issue to a Committee.
3. Postpone the issue to a future date.
4. Take no action on the issue.

Recommendation

City Administration recommends that the Council approve the installation of the left turn arrow.

Sample Motion

Move to approve the installation of left turn arrows for the traffic signal on Stolley Park Road at the intersection with Blaine Street.

R E S O L U T I O N 2006-206

WHEREAS, the City Council, by authority of Section 22-27 of the Grand Island City Code, may by resolution regulate motor vehicle traffic upon the streets of the City of Grand Island; and

WHEREAS, it is necessary to improve traffic safety where Stolley Park Road and Blaine Street intersect; and

WHEREAS, there is currently a traffic signal in place at the intersection of Stolley Park Road and Blaine Street; and

WHEREAS, a traffic study was conducted pursuant to the United States Department of Transportation Traffic Control Devices Handbook, which study showed the need for the traffic control device; and

WHEREAS, it is recommended that a left turn arrow signal head be installed for traffic on Stolley Park Road at Blaine Street; and

WHEREAS, it is in the city's best interests to effectuate such changes.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that

1. A left turn arrow be installed on Stolley Park Road at Blaine Street.
2. The Street Department is hereby directed to install such signals to regulate traffic as outlined above.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 25, 2006.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 21, 2006	☐ City Attorney