



City of Grand Island

Tuesday, July 10, 2012

Council Session

Item G8

#2012-178 - Approving Request for Relaxation of Design Standards for Minimum Shoulder Width on Streets without Curb and Gutter for the Grand Island Resurfacing - Various Locations Project

Staff Contact: John Collins, Public Works Director

Council Agenda Memo

From: Scott Griepenstroh, Project Manager

Meeting: July 10, 2012

Subject: Approving Request for Relaxation of Design Standards for Minimum Shoulder Width on Streets without Curb and Gutter for the Grand Island Resurfacing - Various Locations Project

Item #'s: G-8

Presenter(s): John Collins, Public Works Director

Background

All agreements must be approved by the City Council.

The Federal-aid Surface Transportation Program (STP) provides flexible funding that may be used by Local Public Agencies for projects on any Federal-aid roadway route. Typical STP funded improvements include: upgrading an existing road to a full urban section, roadway widening, roadway reconstruction, resurfacing, ADA/sidewalk improvements, and bridge projects. Federal funds are used to finance up to 80% of eligible project costs with a minimum 20% match from the LPA.

The City of Grand Island received approval to utilize STP funds for the Various Locations in Grand Island Resurfacing project. This proposed project consists of removing the existing surface by cold milling and overlaying asphalt in the following locations.

- Blaine Street – Garland Street to Stolley Park Road
- Blaine Street – Stolley Park Road to the Beltline Trail
- First Street – Walnut Street to Sycamore Street
- North Road - 13th Street to State Street
- Independence Avenue – Capital Avenue to Nebraska Highway 2
- Broadwell Avenue - Anna Street to Second Street
- Broadwell Avenue – Second Street to State Street

Sidewalk ramps at all intersections will be reconstructed to current Americans with Disabilities (ADA) standards. This project is coordinated with and supplements the Grand Island Streets Division Pavement Preservation Plan. This project will relieve the City of funding these improvements solely with Capital Improvement Program funds.

Discussion

On streets that do not have curb and gutter, the minimum design standards according to the Rules and Regulations of the Board of Public Roads Classifications and Standards, Title 428 of the Nebraska Administrative Code, require construction of 6' wide shoulders on Collector and Local roads, and 8' wide shoulders on Other Arterials.

The sections of Independence Road, South Blaine Street and North Road do not currently have sufficient right of way to construct wider shoulders due to ditch and utility conflicts; therefore the City of Grand Island is seeking a relaxation of the design standard. If the City were to purchase the necessary right of way to accommodate wider shoulders there would be a significant delay in the project, as well as increased cost due to relocation of utilities.

The request for the relaxation of the design standard will be submitted by the Public Works Street Superintendent. As per Chapter 2, Section 004 Relaxation of Standards, of the Rules and Regulations of the Board of Public Roads Classifications and Standards, approval of the request is required by the City Council.

Olsson Associates is currently preparing design plans and seeking environmental clearance. Acquisition of right-of-way to reconstruct sidewalk ramps to current ADA standards is anticipated to occur during the next six months. Advertising and awarding of the Construction bid is anticipated to occur in summer of 2013.

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 authorizing the request to seek the relaxation of design standards.

Sample Motion

Move to approve the resolution.

July 10, 2012

Board of Public Roads Classifications and Standards
LeMoyne Schulz, Board Secretary
P.O. Box 94759
Lincoln, NE 68509

RE: Grand Island Resurfacing – Various Locations
URB-5409(2) CN 42706

Dear Secretary of the Board:

The City of Grand Island is planning to resurface five (5) federal-aid routes within the city limits utilizing federal funds (see attached location map). All five locations have existing asphalt surfacing. The resurfacing activities associated with this project include typical maintenance asphalt mill and overlay. Below is a list of the design ADT, state roadway classification, design speed and resurfacing recommendations.

GRAND ISLAND - MULTILLOCATION RESURFACING PROJECT						
GRAND ISLAND, NEBRASKA						
URB-5409(2) CN 42706						
STREET	LOCATION	2021 ADT	State Class.	Design Speed	Mill	Overlay
Blaine Street	Garland - Stolley	4,184	Collector	35	1"	4"
Blaine Street	Stolley - Beltline	7,223	Other Arterial	25	2"	3"
North Road	13th - State	6,794	Other Arterial	40	1"	4"
First Street	Walnut-Sycamore	8,249	Major Arterial	25	2"	3"
Broadwell Avenue	Anna - 2nd	8,623	Other Arterial	30	2"	3"
Broadwell Avenue	2nd - State	12,269	Other Arterial	30	2"	3"
Independence Avenue	Capital - Hwy 2	2,244	Collector	25	2"	2"

Independence Avenue, North Road and the southern portion of Blaine Street (Garland Street to Stolley Park Road) have non-curbed roadway sections. As the community of Grand Island has developed over the years around these three locations of the project, the roadside typical section has been modified. The roadside typical section varies throughout these three locations. Several of the adjacent residential property owners have blended their lots to the edge of the existing road. The roadside ditches have been filled in and are non-existent at several locations. At select locations along these three roadway sections the 'old county road cross section' has

remained. At these select locations the existing shoulder width varies from two (2) feet to four (4) feet. These existing shoulder widths for non-curbed roadway sections do not meet the Nebraska Minimum Design Standards – Municipal Streets for other arterial and collector roadways. The minimum design standard for shoulder width on non-curbed municipal street roadways sections is six (6) feet for a Collector roadway and eight (8) feet for Other Arterial.

The City of Grand Island is requesting the Board of Commissioners to approve a shoulder width relaxation of standards for Municipal Streets – Other Arterial and Collector roadways for maintenance resurfacing activities. The need for the relaxation of the design standards is based on the fact that the proposed project is a maintenance project. Grading the existing shoulders and roadside ditches is outside the scope of this project and would require additional right-of-way, which is also not part of the project scope. This is a Federal Aid funded project and changing the scope would have adverse effects on the timeline and funding.

The Grand Island City Council approved the relaxation of standards on July 10, 2012. The City of Grand Island is formally submitting a request for relaxation of standards to the Board of Public Roads Classifications and Standards. Please notify me once a hearing date has been set.

Sincerely,

Shannon Rose Callahan
City Street Superintendent
License #S-1485

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RESOLUTION 2012-178

WHEREAS, the City of Grand Island received approval to utilize Federal-aid Surface Transportation Program (STP) funds for the Various Locations in Grand Island Resurfacing project for the year 2013; and

WHEREAS, the minimum design standards according to the Rules and Regulations of the Board of Public Roads Classifications and Standards, Title 428 of the Nebraska Administrative Code, require construction of 6' wide shoulders on Collector and Local roads, and 8' wide shoulders on other arterials.; and

WHEREAS, the Independence Road, South Blaine Street and North Road sections do not have sufficient right of way to construct wider shoulders due to ditch and utility conflicts; and

WHEREAS, the City of Grand Island is seeking a relaxation of the design standards.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the request to seek the relaxation of design standards for such project is hereby approved.

BE IT FURTHER RESOLVED, that the Street Superintendent is hereby authorized and directed to execute such request on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 10, 2012.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 6, 2012	☐ City Attorney