



City of Grand Island

Tuesday, September 22, 2009

Council Session

Item G13

#2009-238 - Approving Amendment to the One & Six Year Street Improvement Plan

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: September 22, 2009

Subject: Approving Amendment to the One & Six Year Street Improvement Plan

Item #'s: G-13

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

Background

On February 10, 2009 the City Council approved the 2009-2014 One & Six Year Street Improvement Plan. The plan was submitted to the State of Nebraska Board of Classifications and Standards on February 18, 2009. Changes to the plan during the year must be submitted to the State of Nebraska Board of Classifications and Standards.

Discussion

The concrete base course underneath the asphalt surfacing on 1st Street, from Clark Street to Eddy Street is failing. The stresses on the roadway are significant because of the braking force of trucks approaching the Eddy Street traffic signal.

The existing surface has always been hard to maintain in an acceptable condition because of the high volume of trucks on US Highway 30. Rather than perform temporary repairs with concrete patching and replacing the asphalt surface, Public Works Administration is recommending that the entire 37' wide street be replaced with 10" thick concrete pavement from just east of Clark Street up to the west curb line of Eddy Street. The concrete surface will have an estimated life of over 35 years and will perform much better than the existing surfacing.

Public Works has plans and specifications prepared for the project to replace 1st Street. The bids for the project will be opened in October 2009 with council consideration for award of the contract at the October 13, 2009 council meeting. The funds for the work will come from the existing concrete pavement repair budget.

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

Public Works Administration recommends that the Council approve the amendment to the One & Six Year Street Improvement Plan.

Sample Motion

Move to approve the amendment.

Board of Public Roads Classifications and Standards
Form 10 Notification of Revision of One-Year Plan

County:	City: <p align="center">Grand Island</p>	Village:				
Reason for Revision: Upgrading from asphalt resurfacing as maintenance work to replacement with 10" concrete pavement at 37 feet wide.						
Location Description: 1 st Street from Clark Street to Eddy Street						
Existing Surface Type and Structures: <i>(Such as dirt, gravel, asphalt, concrete, culvert, or bridge)</i> asphalt surfacing on a concrete base course						
Average Daily Traffic: <p align="center">2008 = , 2028 =</p>		Classification Type: <i>(As shown on Functional Classification Map)</i> <p align="center">Major Arterial</p>				
PROPOSED IMPROVEMENT						
Design Standard Number: Urban Major Arterial	Surfacing	Thickness: 10 inch				
		Width: 37 feet				
<input type="checkbox"/> Grading	<input checked="" type="checkbox"/> Concrete	<input type="checkbox"/> Right of Way				
<input type="checkbox"/> Aggregate	<input checked="" type="checkbox"/> Curb & Gutter	<input type="checkbox"/> Utility Adjustments				
<input type="checkbox"/> Armor Coat	<input type="checkbox"/> Drainage Structures	<input type="checkbox"/> Fencing				
<input type="checkbox"/> Asphalt	<input type="checkbox"/> Erosion Control	<input checked="" type="checkbox"/> Sidewalks				
<input type="checkbox"/> Lighting		<input type="checkbox"/>				
<input type="checkbox"/>		<input type="checkbox"/>				
<input type="checkbox"/>		<input type="checkbox"/>				
<input type="checkbox"/>		<input type="checkbox"/>				
Bridge to Remain in Place	Roadway Width:	Length: Type:				
New Bridge	Roadway Width:	Length: Type:				
Box Culvert	Span: Rise: Length: Type:					
Culvert	Diameter: Length: Type:					
Bridges and Culverts Sized	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Hydraulic Analysis Pending					
Other Construction Features: The street also serves as a highway and carries eastbound US Highway 30 traffic. There will be 8.5 feet wide (including curb) parallel parking stalls along the north side of the street. The southernmost lane will be 13 feet wide including the curb. The center lane will be 15.5 feet wide to provide clearance between parked cars and through traffic. The new 10" thick portland cement concrete roadway will be constructed to NDOR standards with dowel bars placed for load transfer at the transverse contraction joints.						
ESTIMATED COST <i>(in Thousands)</i> ★ OPTIONAL	★ COUNTY	★ CITY <p align="center">77</p>	★ STATE	★ FEDERAL	★ OTHER	TOTAL <p align="center">77</p>
Project Length: <i>(Nearest Tenth, State Unit of Measure)</i> <p align="center">0.1</p>				Project No. <p align="center">M310-570</p>		
Signature:		Title: <p align="center">Public Works Director/City Engineer</p>		Date: <p align="center">September 22, 2009</p>		

R E S O L U T I O N 2009-238

WHEREAS, on February 10, 2009 the City of Grand Island City Council approved the 2009-2014 One & Six Year Street Improvement Plan; and

WHEREAS, the City of Grand Island Public Works Director has presented a revision to the plan providing for concrete replacement of 1st Street between Clark Street and Eddy Street; and

WHEREAS, said revision to the plan for year 2010 is adopted as proposed, with, Project M310-570 being added to the plan; and

WHEREAS, the said Council deems it in the best interest of the City to adopt said plan as presented, with the above mentioned revision.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the 2010 Street Improvement Plan for the City Of Grand Island be and hereby is adopted and approved as revised.

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Adopted by the City Council of the City of Grand Island, Nebraska, September 22, 2009.

Margaret Hornady, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
September 17, 2009	☐ City Attorney