

Public Hearing: August 30, 2010

FACT SHEET

TITLE: Request for relaxation of standards from State of Nebraska, Board of Public Roads Classifications and Standards.

SPONSOR: Public Works and Utilities

OPPONENTS: Unknown

OTHER DEPARTMENTS AFFECTED:
N/A

STAFF RECOMMENDATION:
Recommend Approval

APPLICANT: Public Works and Utilities

REASON FOR LEGISLATION: To avoid impacts of a ramp improvement project on an adjacent Floodplain Depressional Wetland.

DISCUSSION

This resolution is requesting approval for the use of 1V:3H (1 foot vertical to 3 feet horizontal) foreslope for 225 feet on the south end of City Project 702620, Superior Street & Interstate 180 East Ramp Safety Project. This project will involve the addition of a right turn lane and grading on the east side of the east off-ramp. In addition to the paving work, reconstruction of the existing traffic signal system and addition of communication infrastructure and Intelligent Transportation System applications such as camera detection and no right turn on red message signs will be installed at the intersection of the east off-ramp and Superior St. The Nebraska minimum design standard for foreslope on Interstate Interchange Ramps is 1V:6H. Approval of this resolution is necessary to request a relaxation of this standard from the State of Nebraska, Board of Public Roads Classifications and Standards to allow the use of 1V:3H foreslopes on the above described project.

The use of 1V:3H foreslope for the south 225 feet of the ramp widening project will eliminate impacts to a delineated Floodplain Depressional Wetland (PEMA) adjacent to the ramp. The additional fill material and grading will be less than 1 foot in depth in this area and 1V:3H slopes will not impact the safety of traveling motorists on this facility and are consistent with recommendations in AASHTO's *2002 Roadside Design Guide* for acceptable foreslopes.

POLICY OR PROGRAM CHANGE: No

COST OF TOTAL PROJECT: \$715,000

SOURCE OF FUNDS: Federal, State and Local
CITY: \$35,750 (5%)

NON CITY: \$643,500 (Federal Safety Funds – 90%); \$35,750 (State – 5%)

BENEFIT COST: 6.74:1 (10 year service life)

FACT SHEET PREPARED BY:

Craig Aldridge, Engineering Services

REVIEWED BY:

Director of Public Works & Utilities