



## HIGHWAY IMPROVEMENT INFORMATION

March 1, 2012

### STPD-133-3(102), C.N. 21791 N-133, JCT. N-36 NORTH, OMAHA

**LOCATION:** Project N-133, Jct. N-36 North, Omaha (Project Number STPD-133-3(102); C.N. 21791) (see Location Map) is on Highway N-133, generally from 0.75 mile north of the N-36/N-133 intersection in Douglas County, to just south of Washington County Road 36. The Project would improve 4.58 miles of highway N-133 in Washington and Douglas Counties, beginning at MM 8.63 and extending north to MM 13.21 – the northern terminus located approximately 3 miles north of the Washington/Douglas county line.

**PURPOSE AND NEED:** The purpose of this project is to reduce congestion, improve capacity, and reduce frequency and severity of crashes. The traffic and capacity needs for this Project are based on the Nebraska State Highway Inventory Report, which lists number of lanes as a roadway deficiency for the overall Project. The Minimum design Standards of the Nebraska Board of Public Roads Classifications and Standards, requires new and reconstructed rural state highways with existing or forecasted traffic over 9,000 Average Daily Traffic (ADT) to be studied, to determine the appropriate number of lanes for the project.

**SCOPE OF WORK:** This project includes the removal of the existing 2-lane highway and the construction of a 4-lane highway with a 40-foot depressed median on new horizontal and vertical alignment. Construction includes clearing and grubbing, removal of structures and obstructions, grading beyond the hinge point, surfacing, and drainage structures. The new 4-lane roadway typical section would consist of two 12-foot-wide concrete pavement driving lanes in each direction separated by a 40-foot depressed median. The 5-foot-wide inside shoulder would have 3-feet surfaced and the remaining 2 feet earth. The 10-foot-wide outside shoulder would have 8-feet surfaced and the remaining 2 feet earth.

#### TRAFFIC COUNT:

Year	2011	2035
Vehicles per Day	9,390	14,550
% Trucks	7%	7%

**ESTIMATED CONSTRUCTION SCHEDULE:** Construction is planned to begin in the 2013 to 2015 timeframe as part of the 10 year LB 84 plan.

**PROPOSED ACCOMMODATION OF TRAFFIC:** The new set of driving lanes/shoulders and connecting drives and frontage roads would be built while traffic is on the existing 2-lane highway. Once the new lanes are built, traffic would switch over to the new lanes. The old lanes would be removed and re-graded to match the new lanes. The remaining two lanes of the 4-lane roadway with connecting drives and frontage roads would be built. Crossovers at the beginning and end of the project and north of Dutch Hall Road would aid in the construction of the project. The crossovers would have temporary lighting during project construction.

**RIGHT-OF-WAY:** The existing access control was modified and new control access has been purchased for the remainder of the project. Additional Right-of-Way (ROW) was also purchased to construct the proposed project, with the acquisition of three residences and several farm buildings as well as two businesses.