



NH-20-6(105) *Belden – Laurel C.N.* 31342

LOCATION: The proposed project would involve approximately 6.87 miles of U.S. Highway 20 (US-20) located in Cedar County. Starting approximately 1.17 miles west of the western corporate limits of Belden, at mile marker (MM) 384.47, the project would extend east to MM 391.30, approximately 0.24 miles east of the western corporate limits of Laurel and 0.03 miles west of the intersection with the connecting road to Nebraska Highway 15 (N-15). The project is in the Village of Belden, from MM 385.64 to MM 385.96, and in the City of Laurel, from MM 391.06 to MM 391.30.

PURPOSE AND NEED: The purpose of the proposed project is to preserve the US-20 transportation asset, improve the reliability of the transportation system, and perpetuate the mobility of the traveling public. The need for this proposed project is based on the condition of the existing roadway and bridges and recent inspections showing that rehabilitation would be required.

SCOPE OF WORK: Proposed improvements on this project would include performing concrete repairs on the underlying roadway and milling the existing asphalt roadway and resurfacing with asphalt. The existing asphalt shoulder would be milled or recycled into the subgrade, and resurfaced with asphalt. The bridge over Middle Logan Creek (Structure Number S020 38797) would receive partial depth deck repairs, asphalt overlay with membrane and replacement of expansion joints. The bridge over Middle Logan Creek (Structure Number S020 38968) would be removed and replaced; a portion of the pavement adjacent to the bridge would be removed and reconstructed. Additional improvements would include removal of guardrail and replacement with surfacing underneath. Culvert ends may be extended, have headwalls removed and replaced with flared end sections, or be properly shielded. The erosion control curb would be removed and replaced. Curb inlets may be reconstructed or replaced.

TRAFFIC VOLUMES: US-20 **MM 384.47 – MM 391.30**

Year	2018	2028	2038
Vehicles Per Day (ADT)	1780	1885	1995
% Heavy Trucks	25%	25%	25%

CONSTRUCTION SCHEDULE: Construction is tentatively scheduled to begin spring of 2018 and could be complete by the winter of the same year. Construction within the corporate limits of Laurel would not occur during the weekend of, or the week preceding, the Laurel Q125 Celebration.

ACCOMMODATION OF TRAFFIC: A portion of the proposed project would be constructed under traffic with lane closures controlled with approved temporary traffic control; however, the proposed bridge replacement at approximately MM 389.68 would require short-term detouring of US-20 traffic; a designated detour would be provided, utilizing Nebraska Highway 57 (N-57), Nebraska Highway 59 (N-59) and N-15. The detour would be in place during the removal and replacement of the bridge over Middle Logan Creek. NDOR is planning to use accelerated bridge construction techniques to reduce the time of the bridge reconstruction.

RIGHT-OF-WAY: The proposed project would require the acquisition of additional property rights including new right-of-way (ROW), and temporary easements (TE) for construction throughout the project area. Access to adjacent properties would be maintained during construction but may be limited at times due to phasing requirements.

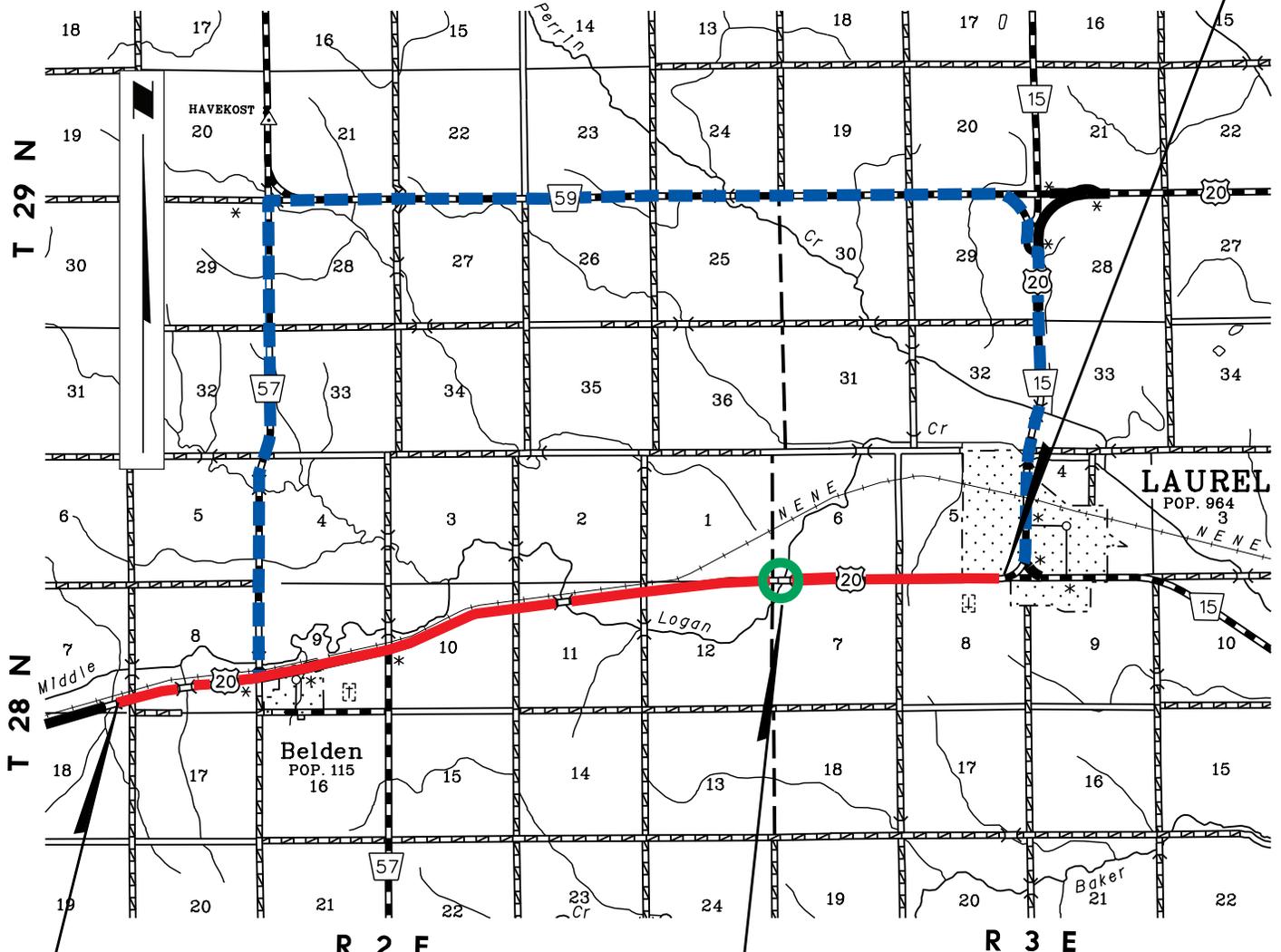
POTENTIAL IMPACTS: Wetland impacts are anticipated and would be mitigated at a local wetlands bank.

ESTIMATED COST: The cost of the proposed project is approximately \$9.5 million and would derive from federal and state funding sources.

Belden - Laurel

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M.M. 391.30 HWY. US-20
 STA. 754+31
 END PROJECT



M.M. 384.47 HWY. US-20
 STA. 391+55
 BEGIN PROJECT

M.M. 389.68 HWY. US-20
 STA. 666+49
 BRIDGE REPLACEMENT

LEGEND

- RESURFACING
- - - DETOUR
- BRIDGE REPLACEMENT

PRELIMINARY PLAN
 NOT FINAL - SUBJECT TO CHANGE



Send comments to:
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