

PROJECT FACT SHEET

Brownson East

NH-80-1(192); C.N. 51535

Brownson East Crossovers

NH-80-1(195); C.N. 51535A

September 2020

Red text denotes updated information

LOCATION

The proposed projects would involve approximately 7.08 miles of Interstate 80 (I-80) in Cheyenne County, and would include the Brownson Interchange 48 ramps to Link 17C (L-17C) between the ramp terminals. The proposed project would begin approximately 2.01 miles west of the Brownson Interchange 48 at Mile Marker (MM) 46+81 and end at MM 53+89, approximately 1.48 miles west of the Sidney West Interchange at Exit 55. Construction would begin and/or end approximately 200 feet ahead of or beyond the actual project limits to accommodate transitioning the pavement.

PURPOSE AND NEED

The purpose of the proposed projects is to preserve the transportation asset, improve the reliability of the transportation system, and perpetuate the mobility of the traveling public. The need for the proposed project is based on the condition of the existing roadway and bridge structures.

SCOPE OF WORK

Proposed improvements on I-80 would consist of removing the existing pavement and foundation course of the driving lanes and shoulders and rebuilding with doweled concrete pavement on foundation course, constructing temporary crossovers, removing and replacing guardrail, culvert extensions, and bridge repairs and widening. The ramps at the Brownson Interchange would be reconstructed to the extent necessary to modify geometrics to meet acceleration/deceleration requirements. The remainder of the ramp lengths would be milled and resurfaced with asphalt. The improvements on L-17C would consist of concrete pavement repairs, milling and resurfacing the roadway and existing surfaced shoulders, bridge repairs and resurfacing, and removing and replacing guardrail. The existing rest area ramps and parking would also be reconstructed. The proposed improvements to the rest area would consist of constructing separate parking areas, one to accommodate 60 semi-trucks and the other to accommodate 30 cars and 7 recreational vehicles. A separate, concurrently running project, Sidney (EB) Safety Rest Area Buildings, would replace the buildings, sidewalks, and other associated facilities.

TRAFFIC VOLUME

I-80		MM 46+81 – MM 53+89	
Year	2018	2038	
Vehicles Per Day (ADT)	8,225	9,675	
% Heavy Trucks	61%	61%	

L-17C		MM 0+00 – MM 1+07	
Year	2018	2028	
Vehicles Per Day (ADT)	475	575	
% Heavy Trucks	8%	8%	

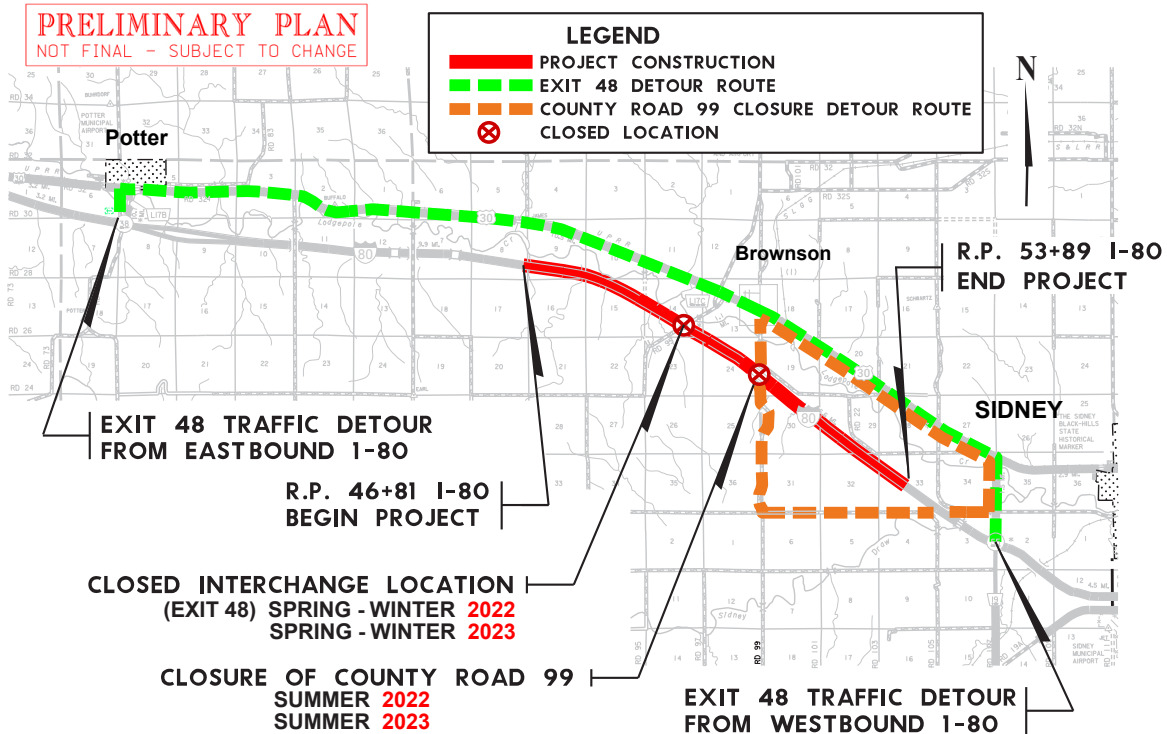
CONSTRUCTION SCHEDULE

The proposed construction would be completed in three phases. The first phase of construction would begin spring of 2022, with removal and replacement of the eastbound lanes along with removal of the rest area buildings and last until the winter of the same year. The second phase would begin spring of 2023, with removal and replacement of the westbound lanes and begin rest area construction and last until winter of 2023. The third phase of the proposed construction would take place in summer of 2024, with anticipated completion prior to harvest season, and would consist mostly of the rest area, erosion control and shoulder grading.

ACCOMMODATION OF TRAFFIC

The I-80 portion of the proposed projects would be constructed under traffic with lane closures accommodated by putting traffic head-to-head utilizing temporary median crossovers and other approved temporary traffic control. County Road 99 (CR-99) would be closed for approximately five weeks during the summers of 2022 and 2023 to accommodate the proposed bridge work along I-80 over CR-99 at S080

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05035L and S080 05035R, and is anticipated to be open by harvest season of both years. A designated detour would be provided, utilizing County Road 20 (CR-20), U.S. Highway 30 (US-30), and Nebraska Highway 19 (N-19). The proposed construction at the Brownson Interchange 48 ramps to L-17C would require a detour. The detour would be effective **spring until winter of 2022 and spring until winter of 2023**. Eastbound I-80 traffic would exit at Interchange 38 and could utilize Link 17B (L-17B) toward Potter. Travelers would then have access to US-30 which sits parallel to I-80 between Potter and Sidney. Westbound traffic would exit at Interchange 55 and utilize N-19 toward Sidney. Travelers would then again have access to US-30.

RIGHT-OF-WAY

The proposed projects would require the acquisition of additional property rights including new right-of-way (ROW) and temporary easements (TE) for construction throughout the project area.

POTENTIAL IMPACTS

Impacts to wetlands are not anticipated.

ESTIMATED COST

The cost of the proposed project is approximately **\$46 million** and would derive from federal and state funding sources.

PROJECT CONTACTS

Send comments to:

Sarah Soula
 NDOT Public Involvement
 1500 Highway 2
 PO Box 94759
 Lincoln, NE 68509-4759
 402-479-4871
 sarah.soula@nebraska.gov

For more information:

Gary Thayer
 NDOT District 6 Engineer
 1321 N. Jeffers St.
 PO Box 1108
 North Platte, NE 69103-1108
 308-535-8031
 gary.thayer@nebraska.gov

dot.nebraska.gov