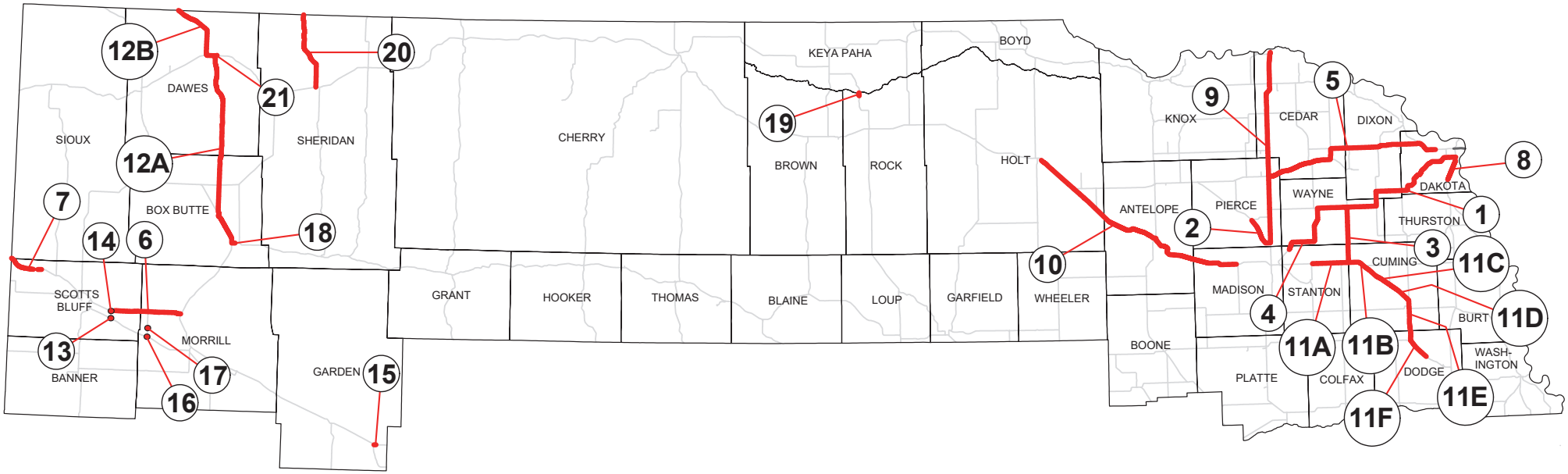
NDOR North Region Candidate Projects



Candidate Project

As of July 11, 2016

NDOR North Region Candidate Project List

July 2016

Package	ID	Project Description	Scope Options	Project Cost (millions)	Project Length (miles)	Projected Average Daily Traffic (2035)	Crash Rate	Engineering Performance	Economic Performance	Overall Performance
4-lane and 2-lane projects										
B	1	**N-9 and N-35 from Wakefield to Dakota City**	Super 2	$40	27	3,905	0.509	◒	◒	◒
A	2	**N-13 from Pierce to US 81**	4 lane divided highway	$38	9	4,810	0.674	◒	◒	◒
B			Super 2	$13				○	◒	◒
	3	**N-15 from Wayne South**	Super 2	$23	15	2,820	0.587	○	◒	○
	4	**N-35 from Norfolk to Wakefield**	Super 2	$56	37	4,105	0.789	●	◒	●
A	5	**US 20 from US 81 to Jackson**	Super 2	$86	50	3,260	0.450	●	●	●
	6	**US 26 from Minatare to US 385**	4 lane divided highway	$80	18	4,114	0.683	○	◒	◒
	7	**US 26 from Wyoming State Line to Morrill**	4 lane divided highway	$38	8	5,495	1.079	◒	◒	◒
			Super 2	$12				◒	◒	◒

Example Packages totaling $275 million or less

Packages A and B are examples of combination of projects and are provided for illustrative purposes. These packages are intended to foster discussion about options for selecting projects. NDOR is interested in hearing your thoughts about these packages and your ideas for other combinations of projects.

Package	Cost	Miles Completed
A	$275	146
B	$273	178

The engineering, economic and overall performance reflects the relativity of a project's score to all other projects statewide.

● Project scored in roughly the top 25 percent

◒ Project scored in roughly the middle half

○ Project scored in roughly the bottom 25 percent

For both engineering and economic performance, scores were developed separately for rural and urban projects.

Crash Rate

The crash rate reflects, on average, how many crashes are occurring per 100 million vehicle miles traveled.

Engineering Performance

This score takes into account safety, the amount of traffic, percent of cars and trucks, congestion, travel time savings, vehicle operating costs, cost of improvement, and maintenance and operation costs of the roadway.

Economic Performance

This score is determined by measuring growth in jobs created, wage income, and gross state product.

Overall Performance

Overall performance is calculated by combining the engineering score, weighted at 60%, with the economic impact score, weighted at 40%.

Package	ID	Project Description	Scope Options	Project Cost (millions)	Project Length (miles)	Projected Average Daily Traffic (2035)	Crash Rate	Engineering Performance	Economic Performance	Overall Performance
A	8	**US 75 from Homer to Dakota City**	4 lane divided expressway	$25	6	9,610	0.310	◒	◒	◒
			Super 2	$8				●	◒	●
A	9	**US 81 from Norfolk to South Yankton**	Super 2	$78	52	5,045	0.345	●	●	●
B	10	**US 275 from O'Neill to Norfolk**	Super 2	$103	64	3,450	0.588	◒	◒	◒
	11	**US 275 from Pilger to Scribner**	4 lane divided expressway	$297	58	7,390	0.646	◒	●	●
	11A	US 275 from Pilger West	4 lane divided expressway	$43	9	7,390	0.193	◒	◒	◒
	11B	US 275 from Pilger to Wisner	4 lane divided expressway with bypass	$53	9	7,105	0.877	◒	●	◒
			4 lane divided expressway, no bypass	$29	8			◒	◒	◒
	11C	US 275 from Wisner to Beemer	4 lane divided expressway	$30	7	6,310	0.519	◒	◒	◒
	11D	US 275 from Beemer to West Point	4 lane divided expressway	$26	6	6,630	0.639	◒	◒	◒
	11E	US 275 from West Point North and South	4 lane divided expressway with bypass	$89	11	8,915	0.925	◒	●	●
	11F	US 275 from Scribner North and South	4 lane divided expressway with bypass	$56	9	7,730	0.7	◒	●	●
			4 lane divided expressway, no bypass	$43				◒	◒	◒
B	12	**US 385 from Alliance to South Dakota State Line**	4 lane divided highway	$327	78	2,710	0.702	◒	●	◒
			Super 2	$117				●	◒	●
	12A	US 385 from Alliance to Chadron	4 lane divided highway	$247	59	2,660	0.837	◒	●	◒
			Super 2	$89				●	◒	●
	12B	US 385 from Chadron to South Dakota State Line	4 lane divided highway	$80	19	2,855	0.342	○	◒	◒
			Super 2	$28				◒	◒	◒
Viaduct projects										
	13	**L79E Melbeta Viaduct**	Viaduct	$9	2	1,990	1.641	○	○	○
	14	**L79E Minatare Viaduct**	Viaduct	$8	2	1,965	1.807	○	○	○
A	15	**N-92 Lewellen Viaduct**	Viaduct	$6	1	580	0.000	○	○	○
A	16	**US 26 Bayard South Viaduct**	Viaduct	$14	3	1,330	1.717	○	○	○
A	17	**US 26 Bayard Viaduct**	Viaduct	$9	2	2,290	0.822	○	◒	○
Other projects										
	18	**N-2 Underpass in Alliance**	Underpass	$9	<1	12,055	0.994	◒	◒	◒
A	19	**N-7 from Bassett to Springview**	2 lane highway modernization	$2	2	495	1.715	●	○	◒
A	20	**N-87 from Rushville to White Clay**	2 lane highway modernization	$34	21	950	1.527	◒	○	◒
	21	**US 20 and US 385 East Junction in Chadron**	Intersection improvements	$1	1	12,290	0.516	◒	○	◒