

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	○	●	●
			4 lane divided highway	\$38				8	5,495	1.079
	7	US 26 from Wyoming State Line to Morrill	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			