



PRELIMINARY OPINION OF COST

BIA ROUTE 2 BRIDGE A028 REPLACEMENT

Approach Grading & Installation of a Multi-Cell Precast Box Culvert

BID ITEM NUMBER	ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
009E0010	Mobilization	LS	1	\$75,000.00	\$75,000.00
009E3200	Construction Staking	LS	1	\$15,000.00	\$15,000.00
100E0100	Clearing	LS	1	\$15,000.00	\$15,000.00
120E0600	Contractor Furnished Borrow Excavation	CuYd	10,000	\$7.50	\$75,000.00
120E1000	Muck Excavation (Riprap)	CuYd	675	\$5.00	\$3,375.00
230E0010	Placing Topsoil	CuYd	750	\$3.50	\$2,625.00
240E0010	Obliterate Old Road	Sta	8	\$750.00	\$6,000.00
250E0020	Incidental Work, Grading	LS	1	\$10,000.00	\$10,000.00
250E0030	Incidental Work, Structure	LS	1	\$50,000.00	\$50,000.00
260E1010	Base Course	Ton	950	\$20.00	\$19,000.00
260E1010	Base Course (For Culvert Bedding)	Ton	925	\$15.00	\$13,875.00
320E1200	Asphalt Concrete Composite	Ton	550	\$100.00	\$55,000.00
421E0200	Box Culvert Undercut	CuYd	750	\$10.00	\$7,500.00
560E2174	2-12'X10' Precast Box Culvert, Furnish	Ft	160	\$1,750.00	\$280,000.00
560E2175	2-12'X10' Precast Box Culvert, Install	Ft	160	\$250.00	\$40,000.00
560E3174	2-12'x10' Precast Concrete Box Culvert End Section, Furnish	Each	4	\$22,500.00	\$90,000.00
560E3175	2-12'x10' Precast Concrete Box Culvert End Section, Install	Each	4	\$2,500.00	\$10,000.00
632E2510	Type 2 Object Marker Back to Back	Each	4	\$45.00	\$180.00
634E0100	Traffic Control	LS	1	\$25,000.00	\$25,000.00
700E0310	Class B Riprap	Ton	350	\$75.00	\$26,250.00
734E0010	Erosion Control	LS	1	\$75,000.00	\$75,000.00
831E0110	Type B Drainage Fabric	SqYd	350	\$4.00	\$1,400.00
831E1010	Geogrid Reinforcement for Culvert	SqYd	675	\$5.00	\$3,375.00
999E9997	Contractor Testing	LS	1	\$5,000.00	\$5,000.00
999E9998	Temporary Construction Easement for Borrow Site	LS	1	\$10,000.00	\$10,000.00
SUBTOTAL					\$913,580.00
CONSTRUCTION CONTINGENCY		10%			\$91,358.00
RIGHT-OF-WAY ACQUISITION		4%			\$36,543.20
TERO FEE		4%			\$41,659.25
CONSTRUCTION TOTAL					\$1,083,140.45
DESIGN ENGINEERING & ADMINISTRATION		10%			\$108,314.04
Total Estimated Project Cost =					\$1,191,455.00



View of bridge looking west



View South Through Bridge Looking Upstream



View North Through Bridge Looking Downstream



Channel Debris



Cracking on S abutment



Exposed reinforcement on north end of east abutment



Bottom of slab water damage from drains



Typical pier column condition



Pier cap cracking



Hole in Beam



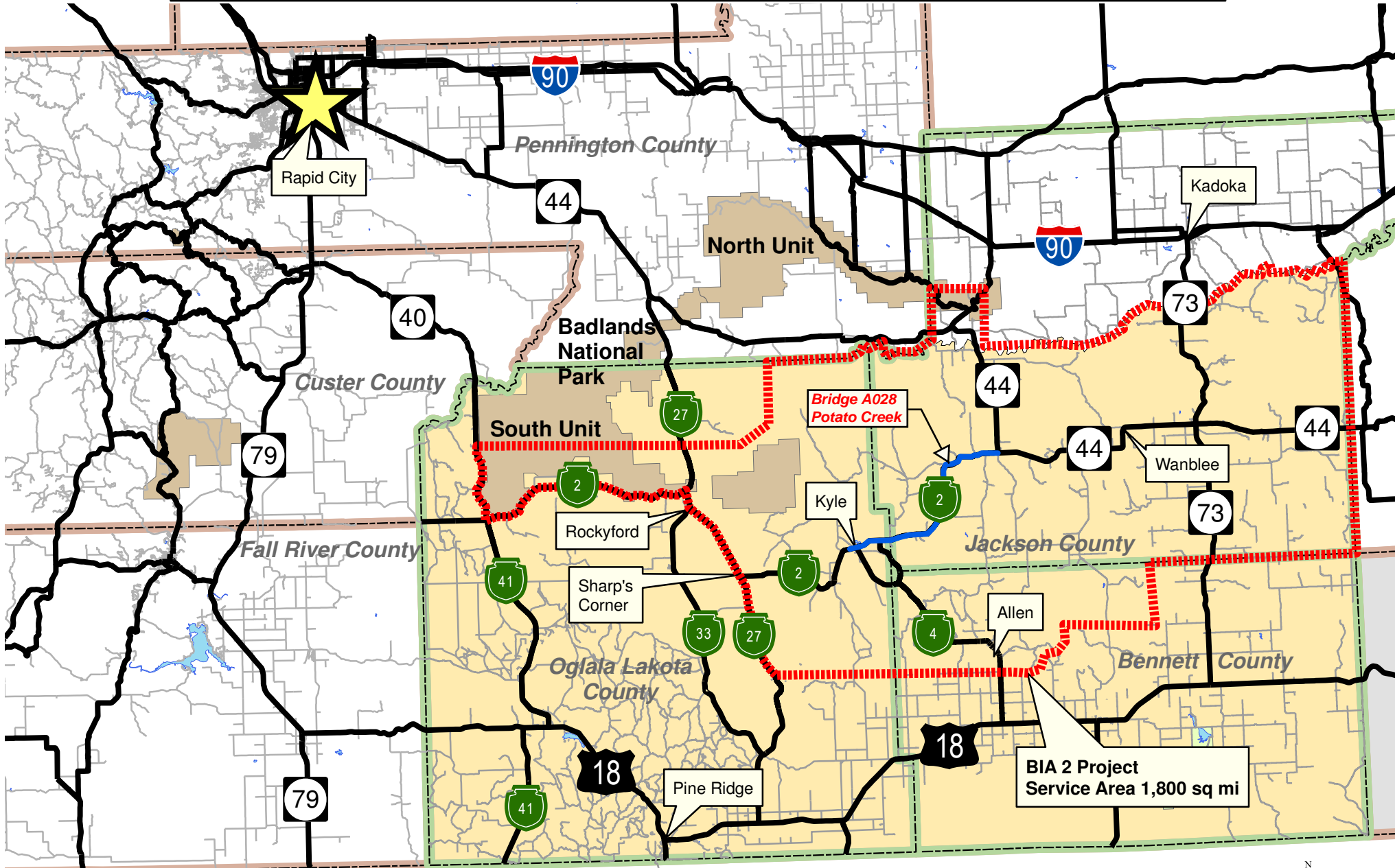
Surface finish peeling on bridge rail



Cracks on guardrail



BIA Route 2, Bridge A028 Pine Ridge Indian Reservation Arterial Transportation Network



Legend:

- Pine Ridge Indian Reservation
- BIA Route 2, Kyle to SD Hwy 44

