PINE RIDGE INDIAN RESERVATION PAVEMENT RESILIENCY AND RESTORATION	
ENGINEER'S PROBABLE CONSTRUCTION COST SUMMARY	
SEGMENT	ESTIMATED COST
BIA 2 - CRACK & CHIP SEAL - FROM BIA 27 TO KYLE, SD & GUARDRAIL AT 8.4 MILES E. OF BIA 27	$ 2,534,900.00
BIA 14 - CRACK & CHIP SEAL - FRM BIA 33 TO BIA 27	$ 304,225.00
BIA 25 - NEW ASPHALT PAVEMENT - FRM BIA 2 NORTH 5 MILES	$ 5,820,000.00
BIA 27 - CRACK & CHIP SEAL - FROM THE RESERVATION LINE SOUTH 22.7 MILES TO SHARPS CORNER, SD	$ 2,251,600.00
BIA 27 - GUARDRAIL - 2 MILES SOUTH OF SHARPS CORNER	$ 220,800.00
BIA 28 - ASPHALT PAVEMENT REPLACEMENT - FRM BIA 27 TO MANDERSON, SD	$ 10,130,300.00
BIA 33 - CRACK AND CHIP SEAL - FROM MANDERSON, SD NORTH TO BIA 14	$ 375,470.00
BIA 41 - ASPHALT PAVEMENT REPLACEMENT - FROM RESERVATION LINE SOUTH 6.5 MILES	$ 7,619,420.00
BIA 41 - ASPHALT PAVEMENT REPLACEMENT - FRM 16.3 MI. S. OF THE RESERVATION LINE TO 4 MI. S.	$ 5,765,500.00
BIA 41 - ASPHALT PAVEMENT REPLACEMENT - FRM 2.5 MILES NORTH OF US18 TO 0.70 MILES NORTH	$ 1,808,500.00
BIA 41 - NEW ASPHALT PAVEMENT - FRM STATE/RESERVATION LINE TO 7.0 MILES NORTH TO BIA 32	$ 8,634,445.00
BIA 41 - CRACK & CHIP SEAL - FRM 9.9 MILES NORTH OF US HWY 18 TO 6.4 MILES NORTH	$ 478,750.00
BIA 41 - CRACK & CHIP SEAL - FRM BIA US18 TO 9.9 MILES NORTH LESS 0.7 MILE RECONSTRUCT	$ 578,850.00
BIA 41 - CRACK & CHIP SEAL - FRM US 18 SOUTH TO BIA 32	$ 454,240.00
TOTAL ESTIMATED CONSTRUCTION COST =	**$ 46,977,000.00**
RURAL GRANT 80% =	**$ 37,581,600.00**
TTP MATCH 20% =	**$ 9,395,400.00**

PINE RIDGE INDIAN RESERVATION PAVEMENT RESILIENCY AND RESTORATION		
PROJECT COST SUMMARY		
TYPE OF CONSTRUCTION	% OF PROJECT	ESTIMATED COST
ASPHALT PAVEMENT REPLACEMENT (BIA 28 & 3 SEGMENTS OF BIA 41) =	52.4%	$ 21,850,430.00
NEW ASPHALT PAVEMENT (BIA 25 & SOUTH SEGMENT OF BIA 41) =	30.7%	$ 12,793,150.00
CRACK AND CHIP SEAL (BIA 2, BIA 14, BIA 27, BIA 33, PORTION OF BIA 41) =	13.5%	$ 5,639,445.00
SAFETY IMPROVEMENTS (GUARDRAIL AND HIGH FRICTION SURFACE TREATMENT) =	3.4%	$ 1,402,600.00
ESTIMATE OF TOTAL CONSTRUCTION COST =		$ 41,685,625.00
TERO FEE 4% =		$ 1,667,425.00
CONSTRUCTION ENGINEERING =		$ 1,956,651.00
CONTINGENCY 4% =		$ 1,667,299.00
TOTAL ESTIMATED PROJECT COST =		**$ 46,977,000.00**
RURAL GRANT 80% =		**$ 37,581,600.00**
TTP MATCH 20% =		**$ 9,395,400.00**

BIA ROUTE 2 - CRACK & CHIP SEAL - FROM BIA 27 TO KYLE, SD & GUARDRAIL AT 8.4 MILES E. OF BIA 27					
ENGINEER'S PROBABLE CONSTRUCTION COST (14.7 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 59,000.00	$ 59,000.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	43	TON	$ 1,500.00	$ 64,500.00
330E3000	SAND FOR FOG SEAL	27	TON	$ 30.00	$ 810.00
350E0010	ASPHALT CONCRETE CRACK SEALING	29,920	LB	$ 4.50	$ 134,640.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	241	TON	$ 775.00	$ 186,775.00
360E1030	TYPE 2A COVER AGGREGATE	2,490	TON	$ 85.00	$ 211,650.00
630E0513	TYPE 1C MIDWEST GUARDRAIL SYSTEM (MSG)	880	FT	$ 80.00	$ 70,400.00
630E2017	MSG MASH FLARED END TERMINAL	2	EACH	$ 8,000.00	$ 16,000.00
632E2220	GUARDRAIL DELINEATOR (BACK TO BACK)	20	EACH	$ 40.00	$ 800.00
632E3205	FLAT ALUMINUM SIGN, NONREMOVABLE COPY SUPER/VERY HIGH INTENSITY	160	SQFT	$ 40.00	$ 6,400.00
632E1340	2.5" X 2.5" PERFORATED TUBE POST	300	FT	$ 40.00	$ 12,000.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	615	GAL	$ 40.00	$ 24,600.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	240	GAL	$ 40.00	$ 9,600.00
634E0010	FLAGGING	400	HR	$ 45.00	$ 18,000.00
634E0020	PILOT CAR	200	HR	$ 50.00	$ 10,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 7,500.00	$ 7,500.00
634E0630	TEMPORARY PAVEMENT MARKING	13.6	MILE	$ 400.00	$ 5,440.00
900E1250	HIGH FRICTION SURFACE TREATMENT	36,000.0	SQYD	$ 40.00	$ 1,440,000.00
900E9999	CONTRACTOR TESTING	1	LS	$ 5,000.00	$ 5,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 2,283,715.00
				TERO 4% =	$ 91,348.60
				CONSTRUCTION OBSERVATION 3% =	$ 68,487.80
				CONTINGENCY 4% =	$ 91,348.60
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 2,534,900.00

BIA ROUTE 14 - CRACK & CHIP SEAL - FROM BIA 33 TO BIA 27					
ENGINEER'S PROBABLE CONSTRUCTION COST (4.9 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 19,000.00	$ 19,000.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	17	TON	$ 1,500.00	$ 25,500.00
330E3000	SAND FOR FOG SEAL	10	TON	$ 30.00	$ 300.00
350E0010	ASPHALT CONCRETE CRACK SEALING	5,000	LB	$ 4.50	$ 22,500.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	94	TON	$ 775.00	$ 72,850.00
360E1030	TYPE 2A COVER AGGREGATE	965	TON	$ 85.00	$ 82,025.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	220	GAL	$ 40.00	$ 8,800.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	86	GAL	$ 40.00	$ 3,440.00
634E0010	FLAGGING	400	HR	$ 45.00	$ 18,000.00
634E0020	PILOT CAR	200	HR	$ 50.00	$ 10,000.00
634E0110	TRAFFIC CONTROL SIGNS	200	SQFT	$ 6.00	$ 1,200.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 5,000.00	$ 5,000.00
634E0630	TEMPORARY PAVEMENT MARKING	4.9	MILE	$ 400.00	$ 1,960.00
900E9999	CONTRACTOR TESTING	1	LS	$ 3,500.00	$ 3,500.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 274,075.00
				TERO 4% =	$ 10,963.00
				CONSTRUCTION OBSERVATION 3% =	$ 8,224.00
				CONTINGENCY 4% =	$ 10,963.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 304,225.00

BIA ROUTE 25 - NEW ASPHALT PAVEMENT - FRM BIA 2 NORTH 5 MILES					
ENGINEER'S PROBABLE CONSTRUCTION COST (5 MILES)					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 365,000.00	$ 365,000.00
120E6100	WATER	200	MGAL	$ 30.00	$ 6,000.00
260E1210	BASE COURSE	41,000	TON	$ 25.00	$ 1,025,000.00
270E0112	SALVAGE GRANULAR MATERIAL	1,500	TON	$ 8.00	$ 12,000.00
320E1200	ASPHALT CONCRETE COMPOSITE	23,500	TON	$ 115.00	$ 2,702,500.00
320E7012	GRIND 12" RUMBLE STRIP IN ASPHALT CONCRETE	10.0	MILE	$ 950.00	$ 9,500.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	230	GAL	$ 40.00	$ 9,200.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	90	GAL	$ 40.00	$ 3,600.00
634E0010	FLAGGING	1,600	HR	$ 45.00	$ 72,000.00
634E0020	PILOT CAR	800	HR	$ 50.00	$ 40,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 20,000.00	$ 20,000.00
634E0630	TEMPORARY PAVEMENT MARKING	10.0	MILE	$ 400.00	$ 4,000.00
831E0200	WOVEN GEOTEXTILE SEPARATOR FABRIC	67,000	SQYD	$ 5.00	$ 335,000.00
831E1020	TRIAXIAL GEOGRID	94,000	SQYD	$ 5.50	$ 517,000.00
900E9999	CONTRACTOR TESTING	1	LS	$ 30,000.00	$ 30,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 5,151,400.00
				TERO 4% =	$ 206,056.00
				CONSTRUCTION OBSERVATION & STAKING 5% =	$ 256,488.00
				CONTINGENCY 4% =	$ 206,056.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 5,820,000.00

BIA ROUTE 27 - CRACK & CHIP SEAL - FROM THE RESERVATION LINE SOUTH 22.7 MILES TO SHARPS CORNER, SD					
ENGINEER'S PROBABLE CONSTRUCTION COST (22.7 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 100,000.00	$ 100,000.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	94	TON	$ 1,500.00	$ 141,000.00
330E3000	SAND FOR FOG SEAL	45	TON	$ 30.00	$ 1,350.00
350E0010	ASPHALT CONCRETE CRACK SEALING	49,940	LB	$ 4.50	$ 224,730.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	526	TON	$ 775.00	$ 407,650.00
360E1030	TYPE 2A COVER AGGREGATE	5,435	TON	$ 85.00	$ 461,975.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	1,030	GAL	$ 40.00	$ 41,200.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	400	GAL	$ 40.00	$ 16,000.00
634E0010	FLAGGING	600	HR	$ 45.00	$ 27,000.00
634E0020	PILOT CAR	300	HR	$ 50.00	$ 15,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 8,000.00	$ 8,000.00
634E0630	TEMPORARY PAVEMENT MARKING	22.7	MILE	$ 400.00	$ 9,080.00
900E9998	CLEANING	20	HR	$ 250.00	$ 5,000.00
900E1250	HIGH FRICTION SURFACE TREATMENT	14,000.0	SQYD	$ 40.00	$ 560,000.00
900E9999	CONTRACTOR TESTING	1	LS	$ 10,000.00	$ 10,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 2,028,585.00
				TERO 4% =	$ 81,143.40
				CONSTRUCTION OBSERVATION 3% =	$ 60,728.20
				CONTINGENCY 4% =	$ 81,143.40
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 2,251,600.00
BIA ROUTE 27 - GUARDRAIL - 2 MILES SOUTH OF SHARPS CORNER					
ENGINEER'S PROBABLE CONSTRUCTION COST					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 14,500.00	$ 14,500.00
630E0513	TYPE 1C MIDWEST GUARDRAIL SYSTEM (MSG)	1,700	FT	$ 80.00	$ 136,000.00
630E2017	MSG MASH FLARED END TERMINAL	4	EACH	$ 8,000.00	$ 32,000.00
632E2220	GUARDRAIL DELINEATOR (BACK TO BACK)	20	EACH	$ 40.00	$ 800.00
634E0010	FLAGGING	200	HR	$ 45.00	$ 9,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
900E9999	CONTRACTOR TESTING	1	LS	$ 2,500.00	$ 2,500.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 195,400.00
				TERO 4% =	$ 7,816.00
				CONSTRUCTION OBSERVATION 5% =	$ 9,768.00
				CONTINGENCY 4% =	$ 7,816.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 220,800.00

BIA ROUTE 28 - ASPHALT PAVEMENT REPLACEMENT - FRM BIA 27 TO MANDERSON					
ENGINEER'S PROBABLE CONSTRUCTION COST (8.8 MILES)					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
004E0010	BLADING	20	HR	$ 250.00	$ 5,000.00
009E0010	MOBILIZATION	1	LS	$ 635,000.00	$ 635,000.00
120E6100	WATER	1,360	MGAL	$ 30.00	$ 40,800.00
210E3500	HEAVY ROADWAY SHAPING	8.8	MILE	$ 5,000.00	$ 44,000.00
260E1050	BASE COURSE, SALVAGED ASPHALT MIX	40,000	TON	$ 10.00	$ 400,000.00
260E1210	BASE COURSE	45,000	TON	$ 25.00	$ 1,125,000.00
270E0020	SALVAGE AND STOCKPILE ASPHALT AND GRANULAR MIX MATERIAL	56,000	TON	$ 9.00	$ 504,000.00
320E1200	ASPHALT CONCRETE COMPOSITE	34,500	TON	$ 115.00	$ 3,967,500.00
320E7012	GRIND 12" RUMBLE STRIP IN ASPHALT CONCRETE	17.6	MILE	$ 950.00	$ 16,720.00
332E0010	COLD MILLING ASPHALT CONCRETE	129,000	SQYD	$ 2.00	$ 258,000.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	400	GAL	$ 40.00	$ 16,000.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	160	GAL	$ 40.00	$ 6,400.00
634E0010	FLAGGING	1,500	HR	$ 45.00	$ 67,500.00
634E0020	PILOT CAR	600	HR	$ 50.00	$ 30,000.00
634E0110	TRAFFIC CONTROL SIGNS	200	SQFT	$ 6.00	$ 1,200.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 40,000.00	$ 40,000.00
634E0630	TEMPORARY PAVEMENT MARKING	8.8	MILE	$ 400.00	$ 3,520.00
730E0200	TYPE A PERMANENT SEED MIXTURE	580	LB	$ 40.00	$ 23,200.00
731E0100	FERTILIZING	25	TON	$ 1,000.00	$ 25,000.00
732E0100	MULCHING	65	TON	$ 200.00	$ 13,000.00
831E0200	WOVEN GEOTEXTILE SEPARATOR FABRIC	155,900	SQYD	$ 5.00	$ 779,500.00
831E1020	TRIAXIAL GEOGRID	165,200	SQYD	$ 5.50	$ 908,600.00
900E9999	CONTRACTOR TESTING	1	LS	$ 55,000.00	$ 55,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 8,964,940.00
				TERO 4% =	$ 358,597.60
				CONSTRUCTION OBSERVATION & STAKING 5% =	$ 448,164.80
				CONTINGENCY 4% =	$ 358,597.60
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 10,130,300.00

BIA ROUTE 33 - CRACK AND CHIP SEAL - FROM MANDERSON, SD NORTH TO BIA 14					
ENGINEER'S PROBABLE CONSTRUCTION COST (6 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 24,000.00	$ 24,000.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	18	TON	$ 1,500.00	$ 27,000.00
330E3000	SAND FOR FOG SEAL	12	TON	$ 30.00	$ 360.00
350E0010	ASPHALT CONCRETE CRACK SEALING	13,200	LB	$ 4.50	$ 59,400.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	100	TON	$ 775.00	$ 77,500.00
360E1030	TYPE 2A COVER AGGREGATE	1,060	TON	$ 85.00	$ 90,100.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	270	GAL	$ 40.00	$ 10,800.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	100	GAL	$ 40.00	$ 4,000.00
634E0010	FLAGGING	400	HR	$ 45.00	$ 18,000.00
634E0020	PILOT CAR	200	HR	$ 50.00	$ 10,000.00
634E0110	TRAFFIC CONTROL SIGNS	200	SQFT	$ 6.00	$ 1,200.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 5,000.00	$ 5,000.00
634E0630	TEMPORARY PAVEMENT MARKING	6.0	MILE	$ 400.00	$ 2,400.00
900E9998	CLEANING	20	HR	$ 250.00	$ 5,000.00
900E9999	CONTRACTOR TESTING	1	LS	$ 3,500.00	$ 3,500.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 338,260.00
				TERO 4% =	$ 13,530.40
				CONSTRUCTION OBSERVATION 3% =	$ 10,149.20
				CONTINGENCY 4% =	$ 13,530.40
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 375,470.00

BIA ROUTE 41 - ASPHALT PAVEMENT REPLACEMENT - FROM RESERVATION LINE SOUTH 6.5 MILES					
ENGINEER'S PROBABLE CONSTRUCTION COST (6.5 MILES)					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
004E0010	BLADING	10	HR	$ 250.00	$ 2,500.00
009E0010	MOBILIZATION	1	LS	$ 475,000.00	$ 475,000.00
120E6100	WATER	1,000	MGAL	$ 30.00	$ 30,000.00
210E3500	HEAVY ROADWAY SHAPING	6.5	MILE	$ 5,000.00	$ 32,500.00
260E1050	BASE COURSE, SALVAGED ASPHALT MIX	30,000	TON	$ 10.00	$ 300,000.00
260E1210	BASE COURSE	37,500	TON	$ 25.00	$ 937,500.00
270E0020	SALVAGE AND STOCKPILE ASPHALT AND GRANULAR MIX MATERIAL	40,000	TON	$ 9.00	$ 360,000.00
320E1200	ASPHALT CONCRETE COMPOSITE	25,500	TON	$ 115.00	$ 2,932,500.00
320E7012	GRIND 12" RUMBLE STRIP IN ASPHALT CONCRETE	13	MILE	$ 950.00	$ 12,350.00
332E0010	COLD MILLING ASPHALT CONCRETE	95,000	SQYD	$ 2.00	$ 190,000.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	300	GAL	$ 40.00	$ 12,000.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	115	GAL	$ 40.00	$ 4,600.00
634E0010	FLAGGING	1,600	HR	$ 45.00	$ 72,000.00
634E0020	PILOT CAR	800	HR	$ 50.00	$ 40,000.00
634E0110	TRAFFIC CONTROL SIGNS	200	SQFT	$ 6.00	$ 1,200.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 30,000.00	$ 30,000.00
634E0630	TEMPORARY PAVEMENT MARKING	13	MILE	$ 400.00	$ 5,200.00
730E0200	TYPE A PERMANENT SEED MIXTURE	450	LB	$ 40.00	$ 18,000.00
731E0100	FERTILIZING	20	TON	$ 1,000.00	$ 20,000.00
732E0100	MULCHING	50	TON	$ 200.00	$ 10,000.00
831E0200	WOVEN GEOTEXTILE SEPARATOR FABRIC	115,000	SQYD	$ 5.00	$ 575,000.00
831E1020	TRIAXIAL GEOGRID	115,000	SQYD	$ 5.50	$ 632,500.00
900E9999	CONTRACTOR TESTING	1	LS	$ 50,000.00	$ 50,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 6,742,850.00
				TERO 4% =	$ 269,714.00
				CONSTRUCTION OBSERVATION & STAKING 5% =	$ 337,142.00
				CONTINGENCY 4% =	$ 269,714.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 7,619,420.00

BIA ROUTE 41 - ASPHALT PAVEMENT REPLACEMENT - FRM 16.3 MILES S. OF THE RESERVATION LINE TO 4 MILES SOUTH					
ENGINEER'S PROBABLE CONSTRUCTION COST (4 MILES)					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
004E0010	BLADING	10	HR	$ 250.00	$ 2,500.00
009E0010	MOBILIZATION	1	LS	$ 360,000.00	$ 360,000.00
120E6100	WATER	500	MGAL	$ 30.00	$ 15,000.00
210E3500	HEAVY ROADWAY SHAPING	4.0	MILE	$ 5,000.00	$ 20,000.00
260E1050	BASE COURSE, SALVAGED ASPHALT MIX	30,000	TON	$ 10.00	$ 300,000.00
260E1210	BASE COURSE	28,500	TON	$ 25.00	$ 712,500.00
270E0020	SALVAGE AND STOCKPILE ASPHALT AND GRANULAR MIX MATERIAL	34,000	TON	$ 9.00	$ 306,000.00
320E1200	ASPHALT CONCRETE COMPOSITE	18,850	TON	$ 115.00	$ 2,167,750.00
320E7012	GRIND 12" RUMBLE STRIP IN ASPHALT CONCRETE	8	MILE	$ 950.00	$ 7,600.00
332E0010	COLD MILLING ASPHALT CONCRETE	77,500	SQYD	$ 2.00	$ 155,000.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	180	GAL	$ 40.00	$ 7,200.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	70	GAL	$ 40.00	$ 2,800.00
634E0010	FLAGGING	800	HR	$ 45.00	$ 36,000.00
634E0020	PILOT CAR	400	HR	$ 50.00	$ 20,000.00
634E0110	TRAFFIC CONTROL SIGNS	200	SQFT	$ 6.00	$ 1,200.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 30,000.00	$ 30,000.00
634E0630	TEMPORARY PAVEMENT MARKING	8	MILE	$ 400.00	$ 3,200.00
730E0200	TYPE A PERMANENT SEED MIXTURE	260	LB	$ 40.00	$ 10,400.00
731E0100	FERTILIZING	11	TON	$ 1,000.00	$ 11,000.00
732E0100	MULCHING	30	TON	$ 200.00	$ 6,000.00
831E0200	WOVEN GEOTEXTILE SEPARATOR FABRIC	95,000	SQYD	$ 5.00	$ 475,000.00
831E1020	TRIAXIAL GEOGRID	75,100	SQYD	$ 5.50	$ 413,050.00
900E9999	CONTRACTOR TESTING	1	LS	$ 40,000.00	$ 40,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 5,102,200.00
				TERO 4% =	$ 204,088.00
				CONSTRUCTION OBSERVATION & STAKING 5% =	$ 255,124.00
				CONTINGENCY 4% =	$ 204,088.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 5,765,500.00

BIA ROUTE 41 - ASPHALT PAVEMENT REPLACEMENT - FRM 2.5 MILES N. OF THE US HWY 18 TO 0.70 MILES NORTH					
ENGINEER'S PROBABLE CONSTRUCTION COST (0.70 MILES)					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
004E0010	BLADING	10	HR	$ 250.00	$ 2,500.00
009E0010	MOBILIZATION	1	LS	$ 75,000.00	$ 75,000.00
120E0010	UNCLASSIFIED EXCAVATION	16,500	CUYD	$ 10.50	$ 173,250.00
120E6100	WATER	200	MGAL	$ 30.00	$ 6,000.00
260E1050	BASE COURSE, SALVAGED ASPHALT MIX	4,300	TON	$ 10.00	$ 43,000.00
260E1210	BASE COURSE	4,000	TON	$ 25.00	$ 100,000.00
270E0020	SALVAGE AND STOCKPILE ASPHALT AND GRANULAR MIX MATERIAL	4,600	TON	$ 9.00	$ 41,400.00
320E1200	ASPHALT CONCRETE COMPOSITE	3,300	TON	$ 115.00	$ 379,500.00
320E7012	GRIND 12" RUMBLE STRIP IN ASPHALT CONCRETE	1.4	MILE	$ 950.00	$ 1,330.00
332E0010	COLD MILLING ASPHALT CONCRETE	10,700	SQYD	$ 2.00	$ 21,400.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	32	GAL	$ 40.00	$ 1,280.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	12	GAL	$ 40.00	$ 480.00
634E0010	FLAGGING	200	HR	$ 45.00	$ 9,000.00
634E0020	PILOT CAR	100	HR	$ 50.00	$ 5,000.00
634E0110	TRAFFIC CONTROL SIGNS	50	SQFT	$ 6.00	$ 300.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 15,000.00	$ 15,000.00
634E0630	TEMPORARY PAVEMENT MARKING	1.4	MILE	$ 400.00	$ 560.00
730E0200	TYPE A PERMANENT SEED MIXTURE	46	LB	$ 40.00	$ 1,840.00
731E0100	FERTILIZING	2	TON	$ 1,000.00	$ 2,000.00
732E0100	MULCHING	5	TON	$ 200.00	$ 1,000.00
831E0200	WOVEN GEOTEXTILE SEPARATOR FABRIC	16,500	SQYD	$ 5.00	$ 82,500.00
831E1020	TRIAXIAL GEOGRID	13,200	SQYD	$ 5.50	$ 72,600.00
900E1250	HIGH FRICTION SURFACE TREATMENT	14,000.0	SQYD	$ 40.00	$ 560,000.00
900E9999	CONTRACTOR TESTING	1	LS	$ 5,500.00	$ 5,500.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 1,600,440.00
				TERO 4% =	$ 64,017.60
				CONSTRUCTION OBSERVATION & STAKING 5% =	$ 80,024.80
				CONTINGENCY 4% =	$ 64,017.60
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 1,808,500.00

BIA ROUTE 41 - NEW ASPHALT PAVEMENT - FRM STATE/RESERVATION LINE TO 7.0 MILES NORTH TO BIA 32					
ENGINEER'S PROBABLE CONSTRUCTION COST (7.0 MILES)					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
004E0010	BLADING	20	HR	$ 250.00	$ 5,000.00
009E0010	MOBILIZATION	1	LS	$ 530,000.00	$ 530,000.00
120E6100	WATER	1,360	MGAL	$ 30.00	$ 40,800.00
210E3500	HEAVY ROADWAY SHAPING	7.0	MILE	$ 5,000.00	$ 35,000.00
260E1050	BASE COURSE, SALVAGED ASPHALT MIX (TO BIA 3202)	25,000	TON	$ 10.00	$ 250,000.00
260E1210	BASE COURSE	64,500	TON	$ 25.00	$ 1,612,500.00
270E0020	SALVAGE AND STOCKPILE ASPHALT AND GRANULAR MIX MATERIAL	30,000	TON	$ 9.00	$ 270,000.00
320E1200	ASPHALT CONCRETE COMPOSITE	27,500	TON	$ 115.00	$ 3,162,500.00
320E7012	GRIND 12" RUMBLE STRIP IN ASPHALT CONCRETE	14.0	MILE	$ 950.00	$ 13,300.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	320	GAL	$ 40.00	$ 12,800.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	120	GAL	$ 40.00	$ 4,800.00
634E0010	FLAGGING	1,600	HR	$ 45.00	$ 72,000.00
634E0020	PILOT CAR	800	HR	$ 50.00	$ 40,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 20,000.00	$ 20,000.00
634E0630	TEMPORARY PAVEMENT MARKING	14.0	MILE	$ 400.00	$ 5,600.00
730E0200	TYPE A PERMANENT SEED MIXTURE	460	LB	$ 40.00	$ 18,400.00
731E0100	FERTILIZING	20	TON	$ 1,000.00	$ 20,000.00
732E0100	MULCHING	50	TON	$ 200.00	$ 10,000.00
831E0200	WOVEN GEOTEXTILE SEPARATOR FABRIC	147,850	SQYD	$ 5.00	$ 739,250.00
831E1020	TRIAXIAL GEOGRID	123,200	SQYD	$ 6.00	$ 739,200.00
900E9999	CONTRACTOR TESTING	1	LS	$ 40,000.00	$ 40,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 7,641,750.00
				TERO 4% =	$ 305,670.00
				CONSTRUCTION OBSERVATION & STAKING 5% =	$ 381,481.00
				CONTINGENCY 4% =	$ 305,544.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 8,634,445.00

BIA ROUTE 41 - CRACK & CHIP SEAL - FROM 9.9 MILES NORTH OF US HWY 18 TO 6.4 MILES NORTH (TO RECONSTRUCT)					
ENGINEER'S PROBABLE CONSTRUCTION COST (6.4 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 30,000.00	$ 30,000.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	25	TON	$ 1,500.00	$ 37,500.00
330E3000	SAND FOR FOG SEAL	13	TON	$ 30.00	$ 390.00
350E0010	ASPHALT CONCRETE CRACK SEALING	16,000	LB	$ 4.50	$ 72,000.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	140	TON	$ 775.00	$ 108,500.00
360E1030	TYPE 2A COVER AGGREGATE	1,450	TON	$ 85.00	$ 123,250.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	290	GAL	$ 40.00	$ 11,600.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	110	GAL	$ 40.00	$ 4,400.00
634E0010	FLAGGING	400	HR	$ 45.00	$ 18,000.00
634E0020	PILOT CAR	200	HR	$ 50.00	$ 10,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 7,500.00	$ 7,500.00
634E0630	TEMPORARY PAVEMENT MARKING	6.4	MILE	$ 400.00	$ 2,560.00
900E9999	CONTRACTOR TESTING	1	LS	$ 5,000.00	$ 5,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 431,300.00
				TERO 4% =	$ 17,252.00
				CONSTRUCTION OBSERVATION 3% =	$ 12,946.00
				CONTINGENCY 4% =	$ 17,252.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 478,750.00

BIA ROUTE 41 - CRACK & CHIP SEAL - FROM BIA US18 TO 9.9 MILES NORTH LESS 0.7 MILE RECONSTRUCT					
ENGINEER'S PROBABLE CONSTRUCTION COST (9.2 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 36,000.00	$ 36,000.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	29	TON	$ 1,500.00	$ 43,500.00
330E3000	SAND FOR FOG SEAL	18	TON	$ 30.00	$ 540.00
350E0010	ASPHALT CONCRETE CRACK SEALING	22,000	LB	$ 4.50	$ 99,000.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	163	TON	$ 775.00	$ 126,325.00
360E1030	TYPE 2A COVER AGGREGATE	1,684	TON	$ 85.00	$ 143,140.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	420	GAL	$ 40.00	$ 16,800.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	160	GAL	$ 40.00	$ 6,400.00
634E0010	FLAGGING	400	HR	$ 45.00	$ 18,000.00
634E0020	PILOT CAR	200	HR	$ 50.00	$ 10,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 7,500.00	$ 7,500.00
634E0630	TEMPORARY PAVEMENT MARKING	9.2	MILE	$ 400.00	$ 3,680.00
900E9998	CLEANING	20	HR	$ 250.00	$ 5,000.00
900E9999	CONTRACTOR TESTING	1	LS	$ 5,000.00	$ 5,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 521,485.00
				TERO 4% =	$ 20,859.40
				CONSTRUCTION OBSERVATION 3% =	$ 15,646.20
				CONTINGENCY 4% =	$ 20,859.40
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 578,850.00

BIA ROUTE 41 - CRACK & CHIP SEAL - FROM US HWY 18 SOUTH TO BIA 32 (TO NEW PAVEMENT)					
ENGINEER'S PROBABLE CONSTRUCTION COST (6.9 MILES)					
CONSTRUCTION					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	$ 28,500.00	$ 28,500.00
330E0210	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	23	TON	$ 1,500.00	$ 34,500.00
330E3000	SAND FOR FOG SEAL	13	TON	$ 30.00	$ 390.00
350E0010	ASPHALT CONCRETE CRACK SEALING	16,000	LB	$ 4.50	$ 72,000.00
360E0020	AE 150 S ASPHALT FOR SURFACE TREATMENT	130	TON	$ 775.00	$ 100,750.00
360E1030	TYPE 2A COVER AGGREGATE	1,325	TON	$ 85.00	$ 112,625.00
633E1200	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, WHITE	300	GAL	$ 40.00	$ 12,000.00
633E1205	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, YELLOW	115	GAL	$ 40.00	$ 4,600.00
634E0010	FLAGGING	400	HR	$ 45.00	$ 18,000.00
634E0020	PILOT CAR	200	HR	$ 50.00	$ 10,000.00
634E0110	TRAFFIC CONTROL SIGNS	100	SQFT	$ 6.00	$ 600.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	$ 7,500.00	$ 7,500.00
634E0630	TEMPORARY PAVEMENT MARKING	6.9	MILE	$ 400.00	$ 2,760.00
900E9999	CONTRACTOR TESTING	1	LS	$ 5,000.00	$ 5,000.00
				ESTIMATED SUBTOTAL CONSTRUCTION =	$ 409,225.00
				TERO 4% =	$ 16,369.00
				CONSTRUCTION OBSERVATION 3% =	$ 12,277.00
				CONTINGENCY 4% =	$ 16,369.00
				TOTAL ESTIMATED CONSTRUCTION COST =	$ 454,240.00