

ANNUAL MAINTENANCE - BIA 2 - KYLE TO SD 44
ENGINEER'S PROBABLE CONSTRUCTION COST (20.7 MILES)

ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
009E0010	MOBILIZATION	1	LS	\$ 4,299.30	\$ 4,299.30
632E5550	2.0" X 2.0" PERFORATED TUBE POST	30	FT	\$ 11.00	\$ 330.00
632E2022	4" x 4" WHITE DELINEATOR BACK TO BACK WITH 1.12 LB/FT POST	5	EACH	\$ 21.80	\$ 109.00
632E2207	4" TUBULAR WHITE DELINEATOR REFLECTOR	1	EACH	\$ 19.70	\$ 19.70
632E3203	FLAT ALUMINUM SIGN, NONREMOVABLE COPY HIGH INTENSITY	10	SQFT	\$ 23.00	\$ 230.00
633E0030	COLD APPLIED PLASTIC PAVEMENT MARKING, 24"	400	FT	\$ 18.10	\$ 7,240.00
633E1300	PAVEMENT MARKING PAINT, WHITE	640	GAL	\$ 16.30	\$ 10,432.00
633E1305	PAVEMENT MARKING PAINT, YELLOW	250	GAL	\$ 16.50	\$ 4,125.00
634E0010	FLAGGING	20	HOUR	\$ 24.00	\$ 480.00
634E0110	TRAFFIC CONTROL SIGNS	50	SQFT	\$ 4.70	\$ 235.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	\$ 1,000.00	\$ 1,000.00
635E0000	PATHWAY AND INTERSECTION LIGHTING	1	LS	\$ 2,000.00	\$ 2,000.00
635E5990	PEDESTRIAN FLASHING BEACON	1	LS	\$ 500.00	\$ 500.00
635E5995	REMOTE WEATHER MONITORING STATIONS	1	LS	\$ 6,000.00	\$ 6,000.00
ESTIMATED ANNUAL MAINTENANCE COST =					\$ 37,000.00

**PAVEMENT MANAGEMENT - BIA 2 - KYLE TO SD 44 - MAINTENANCE AFTER BUILD RECONSTRUCTION PROJECT
CRACK SEALING AND CHIP SEAL - ENGINEER'S PROBABLE CONSTRUCTION COST (20.7 MILES - YEARS 2038, 2047, AND 2056)**

ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
004E0040	MAINTENANCE OF TRAFFIC	1	LS	\$ 10,000.00	\$ 10,000.00
009E0010	MOBILIZATION	1	LS	\$ 100,000.00	\$ 100,000.00
009E3200	CONSTRUCTION STAKING	1	LS	\$ 5,000.00	\$ 5,000.00
330E0300	SS-1h OR CSS-1h ASPHALT FOR FOG SEAL	85	TON	\$ 700.00	\$ 59,500.00
330E3000	SAND FOR FOG SEAL	45	TON	\$ 35.00	\$ 1,575.00
350E0010	ASPHALT CONCRETE CRACK SEALING	3,500	LB	\$ 2.50	\$ 8,750.00
360E0020	AE 150S ASPHALT FOR SURFACE TREATMENT	460	TON	\$ 450.00	\$ 207,000.00
360E1030	TYPE 2A COVER AGGREGATE	4,700	TON	\$ 45.00	\$ 211,500.00
633E1300	PAVEMENT MARKING PAINT, WHITE	650	FT	\$ 16.30	\$ 10,595.00
633E1305	PAVEMENT MARKING PAINT, YELLOW	270	FT	\$ 16.50	\$ 4,455.00
634E0010	FLAGGING	1,500	HOUR	\$ 24.00	\$ 36,000.00
634E0020	PILOT CAR	200	HOUR	\$ 40.00	\$ 8,000.00
634E0110	TRAFFIC CONTROL SIGNS	700	SQFT	\$ 4.70	\$ 3,290.00
634E0120	TRAFFIC CONTROL, MISCELLANEOUS	1	LS	\$ 45,000.00	\$ 45,000.00
634E0630	TEMPORARY PAVEMENT MARKING	20.7	MILE	\$ 400.00	\$ 8,280.00
999E9999	CONTRACTOR TESTING	1	LS	\$ 5,000.00	\$ 5,000.00
ESTIMATED CONSTRUCTION COST =					\$ 723,945.00
CONSTRUCTION OBSERVATION 4% =					\$ 28,957.80
TOTAL ESTIMATED CONSTRUCTION COST =					\$ 752,902.80
DESIGN ENGINEERING 4% =					\$ 29,097.20
TOTAL ESTIMATED PROJECT COST =					\$ 782,000.00

PAVEMENT MANAGEMENT - BIA 2 - KYLE TO SD 44 - 20 YR REPLACEMENT COSTS AFTER BUILD RECONSTRUCTION PROJECT					
LIGHTING LED BULBS AND PEDESTRIAN FLASHING BEACONS (20 YEAR LIFESPAN) REPLACEMENT AT YEAR 2050					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
635E0000	ROADWAY AND PATHWAY LIGHTING	1	LS	\$ 450,000.00	\$ 450,000.00
635E0100	PEDESTRIAN FLASHING BEACONS	2	EACH	\$ 15,000.00	\$ 30,000.00
ESTIMATED CONSTRUCTION COST =					\$ 480,000.00
CONSTRUCTION OBSERVATION 4% =					\$ 20,000.00
TOTAL ESTIMATED CONSTRUCTION COST =					\$ 500,000.00
DESIGN ENGINEERING 4% =					\$ 20,000.00
TOTAL ESTIMATED PROJECT COST =					\$ 520,000.00

PAVEMENT MANAGEMENT - BIA 2 - KYLE TO SD 44 - 10 YR REPLACEMENT COSTS AFTER BUILD RECONSTRUCTION PROJECT					
REMOTE WEATHER MONITORING STATIONS (10 YEAR LIFESPAN) REPLACEMENT AT YEAR 2040 AND 2050					
ITEM NUMBER	ITEM	QUANTITY	UNIT	ESTIMATED BID PRICE	TOTAL COSTS
635E0100	REMOTE WEATHER MONITORING STATION	3	EACH	\$ 85,000.00	\$ 255,000.00
ESTIMATED CONSTRUCTION COST =					\$ 255,000.00
CONSTRUCTION OBSERVATION 4% =					\$ 10,500.00
TOTAL ESTIMATED CONSTRUCTION COST =					\$ 265,500.00
DESIGN ENGINEERING 4% =					\$ 10,500.00
TOTAL ESTIMATED PROJECT COST =					\$ 276,000.00