

Key No. 23958 - SH-16, SH-44 INTERCHANGE
Ada County

Item No	Description	QTY	Unit
104-005A	PARTNERING	100,000.00	CA
105-010A	DISPUTE REVIEW BOARD - THREE MEMBER	101,900.00	CA
107-019A	SURVEY MONUMENT PRESERVATION	10,000.00	CA
201-005A	CLEARING & GRUBBING	60.00	ACRE
202-005A	SELECTIVE REM OF TREES INCLUDING STUMPS	21.00	EACH
203-002A	REMOVAL OF OBSTRUCTIONS (MISC IRRIGATION STRUCTURE)	18.00	EACH
203-006A	REMOVAL OF SIGN	54.00	EACH
203-015A	REMOVAL OF BITUMINOUS SURFACE	68,355.00	SY
203-030A	REMOVAL OF CONCRETE CULVERT	1.00	EACH
203-055A	REMOVAL OF CONCRETE PAVEMENT	23,563.00	SY
203-060A	REMOVAL OF CONCRETE SIDEWALK	17.00	SY
203-065A	REMOVAL OF CURB	799.00	FT
203-070A	REMOVAL OF CURB & GUTTER	36.00	FT
203-075A	REMOVAL OF FENCE	9,747.00	FT
203-080A	REMOVAL OF GUARDRAIL	253.50	FT
203-080B	REMOVAL OF BARRIER	1,579.00	FT
203-121A	REMOVAL OF MISCELLANEOUS ITEMS (CONCRETE MEDIAN)	374.10	SY
203-122A	REMOVAL OF MISCELLANEOUS ITEMS (CRASH CUSHION)	1.00	EACH
203-123A	REMOVAL OF MISCELLANEOUS ITEMS (PIPE)	4,256.00	FT
203-123B	REMOVAL OF MISCELLANEOUS ITEMS (CONCRETE DITCH)	51.00	FT
203-130A	REMOVAL OF PAVEMENT MARKINGS	49,058.00	FT
205-005A	EXCAVATION	80,986.00	CY
205-040A	GRANULAR BORROW	416,800.00	CY
205-060A	WATER FOR DUST ABATEMENT	5,000.00	MG
210-005A	STRUCTURE EXCAVATION SCHEDULE NO. 1	834.00	CY
210-015A	COMPACTING BACKFILL	1,507.00	CY
212-011A	FIBER WATTLE	35,800.00	FT
212-060A	STABILIZED CONSTRUCTION ENTRANCE	8.00	EACH
212-095A	INLET PROTECTION (FILTER INSERT)	26.00	EACH
212-095B	INLET PROTECTION (FIBER WATTLE)	4.00	EACH
212-105A	WATER AND POLLUTION	50,000.00	CA
212-110A	WATER POLLUTION CONTROL MANAGER	1.00	LS
213-005A	TOPSOIL (6")	30,784.00	CY
251-005A	MIGRATORY BIRD TREATY ACT COMPLIANCE	15,000.00	CA
301-005A	GRANULAR SUBBASE	38,720.00	TON
301-010A	GRANULAR SUBBASE	599.00	CY
303-022A	3/4" AGGREGATE TYPE B FOR BASE	92,470.00	TON
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	2,660.00	GAL
405-240A	MISCELLANEOUS PAVEMENT	59.00	SY
405-245A	APPROACH	9.00	EACH
405-410A	SUPERPAVE HMA PAVEMENT CLASS SP-T (INCLUDING ASPHALT & ADDITIVES CLASS SP- 3T)	2,830.00	TON
405-415A	SUPERPAVE HMA PAVEMENT CLASS SP-NS (1/2", PG 58-28)	14,390.00	TON
405-455A	SUPERPAVE HMA PAV INCL ASPH&ADD CL SP-5 (1/2", PG 64-28)	13,870.00	TON
405-455C	SUPERPAVE HMA PAV INCL ASPH&ADD CL SP-5 (1/2", PG 70-28)	2,790.00	TON

409-015A	CONCRETE PAVEMENT (DEPTH 10")	105,890.00	SY
502-025A	CONCRETE CLASS 40-A	5.10	CY
502-140A	CONCRETE CLASS 40-A SCHEDULE NO. 1	179.00	CY
502-310A	CONCRETE CLASS 40 AF SCHEDULE NO. 2	670.00	CY
502-430A	CONCRETE PARAPET (42" HIGH)	682.20	FT
502-435A	APPROACH SLAB	634.20	SY
503-005A	METAL REINFORCEMENT	690.00	LB
503-010A	METAL REINFORCEMENT SCHEDULE NO. 1	31,266.00	LB
503-015A	METAL REINFORCEMENT SCHEDULE NO. 2	61,052.00	LB
503-020A	EPOXY COATED METAL REINFORCEMENT	60,374.00	LB
504-005D	STEEL BRIDGE (WT 952,718 LBS)	1.00	LS
505-110A	PROVIDE & DRIVE 16" DIA STEEL SHELL PILE	1,495.00	FT
505-160A	PROV&DRIV TEST STEEL SHELL PILE (16")	175.00	FT
505-205B	PROV&INST 16" DIA PILE SHOES OR TIPS	25.00	EACH
505-215A	SPLICE STEEL PILE BEFORE DRIVING	25.00	EACH
505-215B	SPLICE STEEL PILE DURING DRIVING	50.00	EACH
507-010A	ELASTOMERIC BEARINGS LAMINATED (SIZE 1.7 X 10 X 18 INCHES)	24.00	EA
511-005A	CONCRETE WATERPROOF SYSTEM (TYPE C)	221.00	SY
511-005B	CONCRETE WATERPROOF SYSTEM (TYPE D)	514.00	SY
520-005A	PREDRILLING FOR PILING IN SOIL	499.00	FT
521-005A	DYNAMIC PILE TESTING	2.00	EA
521-010A	CAPWAP ANALYSIS	4.00	EA
551-005A	PREPARED & PLACED PPC OVERLAY	2,596.20	SY
551-010A	FURNISHED PPC OVERLAY MATERIAL	54.10	CY
566-005B	COMPRESSION EXPANSION JOINT (2.0-INCH)	205.90	FT
574-005A	ANTI-GRAFFITI COATING	8,489.00	SF
575-005A	TEXTURED CONCRETE SURFACE	836.00	SY
576-005A	(GFRP) REINFORCEMENT	1,030.00	FT
577-005A	PILE SLEEVES	519.00	FT
578-005A	PRECAST CONCRETE CULVERT (BOX CULVERT 5'X8'X495')	1.00	LS
586-005A	UTILITY CONDUIT	1.00	LS
602-035A	18" PIPE CULVERT	74.00	FT
604-025A	12" IRRIGATION PIPE	317.00	FT
604-035A	18" IRRIGATION PIPE	380.00	FT
604-045A	24" IRRIGATION PIPE	1,391.00	FT
604-055A	30" IRRIGATION PIPE	1,033.00	FT
604-085A	48" IRRIGATION PIPE	1,090.00	FT
605-025A	12" STORM SEWER PIPE	157.00	FT
605-035A	18" STORM SEWER PIPE	2,142.00	FT
605-465A	MANHOLE TYPE C	13.00	EACH
605-467A	MANHOLE TYPE D	8.00	EACH
605-505A	CATCH BASIN TYPE 1A	5.00	EACH
605-520A	CATCH BASIN TYPE 3	2.00	EACH
605-525A	CATCH BASIN TYPE 3A	4.00	EACH
605-630A	INLET TYPE 8	3.00	EACH
605-635A	ADJUST MANHOLE COVERS	3.00	EACH
605-640A	ADJUST VALVE COVERS	18.00	EACH
606-115A	URBAN EDGE DRAIN	643.00	FT
608-025A	12" APRON FOR PIPE	7.00	EACH

608-035A	18" APRON FOR PIPE	7.00	EACH
608-045A	24" APRON FOR PIPE	6.00	EACH
609-025A	MINOR STRUCTURES (4'X4' IRRIGATION BOX)	1.00	EACH
609-025B	MINOR STRUCTURES (5'X5' IRRIGATION BOX)	4.00	EACH
609-025C	MINOR STRUCTURES (30" HEADWALL)	1.00	EACH
609-025D	MINOR STRUCTURES (48" HEADWALL)	3.00	EACH
609-025E	MINOR STRUCTURES (7'X4' WEIR STRUCTURE)	1.00	EACH
610-030A	FENCE TYPE 3 B	5,409.00	FT
610-035A	FENCE TYPE 4 (72" SLATTED)	187.00	FT
610-150A	GATES TYPE 2	3.00	EACH
610-200A	GATE TYPE 3 (72" SLATTED)	1.00	EACH
612-005A	W-BEAM GUARDRAIL	933.00	FT
612-010A	CONCRETE BARRIER TRANSITION	6.00	EACH
612-115C	GUARDRAIL TERMINAL, TANGENT	9.00	EACH
612-120B	GUARDRAIL TRANSITION, HIGH SPEED	8.00	EACH
612-150A	CONCRETE BARRIER	9,400.00	FT
612-155A	CONCRETE TERMINAL TYPE A	8.00	EACH
612-175A	CAST-IN-PLACE CONCRETE BARRIER (BRIDGE MEDIAN)	231.00	FT
613-030A	CRASH CUSHION, PARTIALLY REUSABLE	1.00	EACH
614-015A	SIDEWALK	5,012.00	SY
614-025A	CURB RAMP (PARALLEL)	20.00	SY
614-025B	CURB RAMP (PERPENDICULAR)	95.00	SY
615-258A	CURB TYPE 3	3,513.00	FT
615-493A	CURB & GUTTER TYPE 3	1,376.00	FT
615-651A	TRAFFIC SEPARATOR TYPE 1	2,425.00	FT
616-010A	SIGN TYPE B-1	906.00	SF
616-015A	SIGN TYPE C-1	1,761.00	SF
616-030B	OVERHEAD BRIDGE SIGN STRUCTURE (164' SPAN)	1.00	EACH
616-030C	OVERHEAD BRIDGE SIGN STRUCTURE (174' SPAN)	1.00	EACH
616-030I	OVERHEAD SIGN STRUCTURE (100' SPAN)	1.00	EACH
616-030J	OVERHEAD SIGN STRUCTURE (82' SPAN)	1.00	EACH
616-031B	OVERHEAD CANTILEVER SIGN STRUCTURE (45' SPAN)	2.00	EACH
616-031C	OVERHEAD CANTILEVER SIGN STRUCTURE (55' SPAN)	1.00	EACH
616-040C	STEEL SIGN POST TYPE A-3 (BREAKAWAY)	37.00	FT
616-040D	STEEL SIGN POST TYPE A-4 (BREAKAWAY)	45.00	FT
616-040G	STEEL SIGN POST TYPE B-2 (BREAKAWAY)	863.00	FT
616-040H	STEEL SIGN POST TYPE B-3 (BREAKAWAY)	150.00	FT
616-040I	STEEL SIGN POST TYPE B-4 (BREAKAWAY)	11.00	FT
616-080A	REINSTALL SIGN FACE	2.00	EACH
616-090A	SPECIAL INSTALL SIGN	38.00	EACH
616-095A	SIGN BRACKETS	153.00	LB
616-100A	SIGN BRACES	935.00	LB
617-005A	DELINEATOR TYPE 1	140.00	EACH
617-010A	DELINEATOR TYPE 2	117.00	EACH
617-020A	DELINEATOR TYPE 4	48.00	EACH
617-045A	DELINEATOR TYPE 9	16.00	EACH
617-055A	MILEPOST TYPE 2	2.00	EACH
619-010A	ILLUMINATION TYPE 2 (CONVENTIONAL)	1.00	LS
621-005A	SEED BED PREPARATION	38.15	ACRE

621-010A	SEEDING (PERMANENT)	38.15	ACRE
621-010B	SEEDING (TEMPORARY)	38.15	ACRE
621-035A	FERTILIZING	38.15	ACRE
621-065A	HYDRA APPLIED EROSION CONTROL PROD	76.30	ACRE
624-005A	LOOSE RIPRAP (D50=6")	311.00	CY
624-005B	LOOSE RIPRAP (D50=12")	74.00	CY
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	2,258.00	SF
626-035A	BARRICADE TYPE 2	1.00	EACH
626-040A	BARRICADE TYPE 3	6.00	EACH
626-050A	DRUMS	279.00	EACH
626-076B	ARROW BOARD TYPE C	200.00	DAY
626-092A	TEMPORARY PAVEMENT MARKING TAPE	75,696.00	FT
626-093A	TEMP PAV MARKING - WATERBORNE	76,767.00	FT
626-100A	MISC TEMPORARY TRAF CONT ITEMS	10,000.00	CA
626-105A	TEMPORARY TRAFFIC CONTROL MAINTENANCE	4,000.00	HR
626-111A	TEMP RIGID RAISED PAVEMENT MARKERS	3,852.00	EACH
626-112A	FLOOD LIGHTS	600.00	HR
626-115B	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	30.00	DAY
626-116A	TEMPORARY CONCRETE BARRIER	16,361.00	FT
626-117A	R&R TEMP CONCRETE BARRIER	35,708.00	FT
626-118A	TEMPORARY CRASH CUSHION	16.00	EACH
626-119A	SDW VEH AND TMA OR TLR ATTENUATOR	4.00	EACH
626-120A	FLAGGER CONTROL	200.00	HR
626-121A	R&R TEMP CRASH CUSHION	55.00	EACH
626-140A	SURFACE-MOUNTED TUBULAR MARKERS	135.00	EACH
630-010A	T,W,S,A PAVEMENT MARKINGS - PREF THERMO	4,717.00	SF
630-020A	LONG PAV MKG- PREFORMED THERMOPLASTIC	440.00	FT
630-025A	LONG PAV MKG - WATERBORNE	242,482.00	FT
634-005A	MAILBOX	1.00	EACH
640-005A	DRAINAGE GEOTEXTILE	6,377.00	SY
640-010A	RIPRAP/EROSION CONTROL GEOTEXTILE	1,035.00	SY
640-015A	SUBGRADE SEPARATION GEOTEXTILE	198,580.00	SY
645-010A	C3 FIELD LAB - AGG, SOILS, SP 3 & SP 5	1.00	LS
656-010A	SIGNAL HOUSING	46.00	EACH
656-015A	INTERSECTION PREEMPTION DETECTION SYSTEM	3.00	EACH
656-020B	INT DETECTION SYSTEM - RADAR	2.00	EACH
656-020C	INT DETECTION SYSTEM - VIDEO (TYPE FISHEYE)	2.00	EACH
656-025C	ELECTRICAL SERVICE PEDESTAL TYPE 3	3.00	EACH
656-030A	INTERSECTION SIGNAL STRUCTURE (SH-44 AND SH-16 SB)	1.00	EACH
656-030B	INTERSECTION SIGNAL STRUCTURE (SH-44 AND SH-16 NB)	1.00	EACH
656-030C	INTERSECTION SIGNAL STRUCTURE (EMERGENCY SIGNAL)	1.00	EACH
656-035A	INTERSECTION PEDESTRIAN SYSTEM (SH-44 AND SH-16 NB)	1.00	EACH
656-035B	INTERSECTION PEDESTRIAN SYSTEM (MOYLE AVE)	1.00	EACH
656-040A	SIGNAL CABINET	3.00	EACH
656-045A	SIGNAL CONTROLLER	3.00	EACH
656-050A	PED & TRAFF CNTL SIG HEAD FRANG POLES	6.00	EACH
656-065A	COMB CAB & SVS PEDESTAL FOUNDATION	3.00	EACH
656-070A	ADDITIONAL ELECTRICAL ITEMS (SH-44 AND SH-16 SB)	1.00	LS
656-070B	ADDITIONAL ELECTRICAL ITEMS (SH-44 AND SH-16 NB)	1.00	LS

656-070C	ADDITIONAL ELECTRICAL ITEMS (MOYLE AVE)	1.00	LS
656-070D	ADDITIONAL ELECTRICAL ITEMS (EMERGENCY SIGNAL)	1.00	LS
657-015A	RRFB, AC POWERED	2.00	LS
675-005A	SURVEY	1.00	LS
675-010A	DIRECTED SURVEYING	100,000.00	CA
677-005A	RECORD DRAWINGS	1.00	LS
S501-15B	RETAINING WALL (CAST-IN-PLACE)	628.00	SF
S501-17A	MSE RETAINING WALL	6,430.00	SF
S501-18A	COPING FOR MSE WALL	423.00	FT
S501-20B	SP BRIDGE DRILLED SHAFT (OVERHEAD SIGN)	11.00	EACH
S501-25A	SP BRIDGE UNDERDECK ILLUMINATION ATTACHMENT SYSTEM	1.00	LS
S501-40A	SP BRIDGE ROCK SLOPE ARMOR	13.00	CY
S501-51B	SP BRIDGE MOMENT SLAB	2,512.00	SF
S900-50A	CONTINGENCY AMOUNT WEED CONTROL	20,000.00	CA
S900-50D	CONTINGENCY AMOUNT WATERING	20,000.00	CA
S900-50F	CONTINGENCY AMOUNT DRILLED SHAFT - REMOVAL OF OBSTRUCTIONS	20,000.00	CA
S901-05B	SP FUSION SPLICE	36.00	EACH
S901-05C	SP FIBER TERMINATION	156.00	EACH
S901-05D	SP TEST FIBER OPTIC CABLE	192.00	EACH
S901-05F	SP 30" HEADGATE	1.00	EACH
S901-05H	SP F-SHAPE TO NEW JERSEY SHAPE TRANSITION	1.00	EACH
S901-05J	SP JUNCTION BOX - TYPE D WITH RISER	18.00	EACH
S901-05K	SP SPLICE VAULT	2.00	EACH
S901-05L	SP ABANDON AND CAP ARTESIAN WELL	1.00	EACH
S901-05M	SP TYPE 334 CABINET	1.00	EACH
S901-05N	SP SPLICE CLOSURE	1.00	EACH
S901-05O	SP SLOPE ANCHOR	4.00	EACH
S901-05P	SP 18" HEADGATE	3.00	EACH
S901-05Q	SP 24" HEADGATE	1.00	EACH
S901-05R	SP ROCK GALLERY	28.00	EACH
S901-05T	SP PIPE TO CONCRETE DITCH CONNECTION	1.00	EACH
S901-05U	SP BOLT DOWN TUBULAR MARKERS	102.00	EACH
S901-05V	SP SHUR-CURB	63.00	EACH
S901-06A	SP CATCH BASIN 36" VANE GRATE	12.00	EACH
S901-06B	SP SHALLOW INLET DETACHED	2.00	EACH
S904-05B	SP ILLUMINATION (UNDERDECK)	1.00	LS
S904-05G	SP CCTV VIDEO SYSTEM (SH-44 AND SH-16 SB)	1.00	LS
S904-05H	SP CCTV VIDEO SYSTEM (SH-44 AND SH-16 NB)	1.00	LS
S904-05I	SP TEMP TRAFFIC SIGNAL (SH-44 AND SH-16)	1.00	LS
S904-05J	SP RELOCATE AUTOMATIC TRAFFIC RECORDER (SH- 44)	1.00	LS
S904-05P	SP DEWATERING	1.00	LS
S904-05R	SP SETTLEMENT MONITORING	1.00	LS
S911-05A	SP CONDUIT (2")	27,215.00	FT
S911-05B	SP 12-FIBER CABLE	890.00	FT
S911-05C	SP 36-FIBER CABLE	310.00	FT
S911-05F	SP BLACK METAL FENCE	12.00	FT
S911-05G	SP GLARESCREEN	926.00	FT
S911-05H	SP DRAIN PIPE	481.00	FT

S911-05S	SP ORANGE SAFETY FENCE	1,738.00	FT
S911-05T	SP ELECTRIC FENCE	427.00	FT
S911-06A	SP CLEAN AND INSPECT PIPE	2,771.00	FT
S912-05E	SP MEDIAN CONCRETE	2,273.00	SY
S913-05A	SP FILTER SAND	2,804.00	CY
Z629-05A	MOBILIZATION	1.00	LS