

EXHIBIT A

ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION CONTRACTS AND SPECIFICATIONS SECTION

SHEET 1 OF 11
DATE: 9/9/2019

COMBINED ESTIMATE

Stage IV

TRACS No.	Project No.	Item	County	District	Gross Length	Net Length	Prepared By
040 CN 198 H8815 01D	040-D(234)T		COCONINO	NORTHCENTRAL	1.79 MILES	1.79 MILES	AECOM

Highway Termini

Ash Fork - Flagstaff Highway (I-40)

Location

4TH ST BRIDGES Str. #1182, 1183

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
2020021	REMOVAL OF CONCRETE CURB AND GUTTER	L.FT.	24	\$15.00	\$360.00
2020025	REMOVAL OF CONCRETE SIDEWALKS, DRIVEWAYS AND SLABS	SQ.FT.	120	\$6.00	\$720.00
2020027	REMOVAL OF CONCRETE BARRIER	L.FT.	160	\$30.00	\$4,800.00
2020029	REMOVAL OF ASPHALTIC CONCRETE PAVEMENT	SQ.YD.	9618	\$8.00	\$76,944.00
2020041	REMOVAL OF PIPE	L.FT.	99	\$50.00	\$4,950.00
2020057	REMOVE AND SALVAGE (END ANCHOR)	EACH	2	\$300.00	\$600.00
2020060	REMOVE AND SALVAGE (GUARDRAIL END TERMINAL)	EACH	5	\$300.00	\$1,500.00
2020065	REMOVAL OF TREES	EACH	296	\$250.00	\$74,000.00
2020072	REMOVE AND SALVAGE GUARD RAIL	L.FT.	3227	\$5.00	\$16,135.00
2020084	REMOVE BITUMINOUS PAVEMENT (MILLING) (2 1/2")	SQ.YD.	16573	\$2.50	\$41,432.50
2020120	REMOVE (WIRE FENCE)	L.FT.	529	\$5.00	\$2,645.00
2020153	REMOVE (SIGNS, STRUCTURES, FOUNDATIONS, AND POSTS)	L.SUM	1	\$1,500.00	\$1,500.00
2020151	REMOVE DETOUR	L.SUM	1	\$120,000.00	\$120,000.00
2020360	REMOVE ASBESTOS MATERIAL	L.SUM	1	\$10,000.00	\$10,000.00
2020366	REMOVE LEAD-BASED PAINT MATERIALS	L.SUM	1	\$15,000.00	\$15,000.00
2020370	DISPOSE OF LEAD-BASED PAINT MATERIALS (FORCE ACCOUNT)	L.SUM	1	\$10,000.00	\$10,000.00
2030302	ROADWAY EXCAVATION (WITH ROCK)	CU.YD.	14797	\$35.00	\$517,895.00
2030901	BORROW	CU.YD.	35543	\$15.00	\$533,145.00
3030022	AGGREGATE BASE, CLASS 2	CU.YD.	10666	\$45.00	\$479,970.00
3030024	AGGREGATE SUBBASE, CLASS 4 (SELECT FILL)	CU.YD.	879	\$45.00	\$39,555.00
4040111	BITUMINOUS TACK COAT	TON	1	\$500.00	\$500.00
4040116	APPLY BITUMINOUS TACK COAT	HOUR	2	\$150.00	\$300.00
4040125	FOG COAT	TON	14	\$700.00	\$9,800.00
4040163	BLOTTER MATERIAL	TON	40	\$100.00	\$4,000.00

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
4040230	ASPHALT BINDER (PG 64-28)	TON	39	\$500.00	\$19,500.00
4090005	ASPHALTIC CONCRETE (MISCELLANEOUS STRUCTURAL) (	TON	8629	\$110.00	\$949,190.00
4160002	ASPHALTIC CONCRETE (3/4" MIX) (END PRODUCT)	TON	773	\$60.00	\$46,380.00
4160031	MINERAL ADMIXTURE	TON	7	\$90.00	\$630.00
5012930	PIPE CULVERT, 30"	L.FT.	474	\$140.00	\$66,360.00
5014130	FLARED END SECTION (30") (C-13.20)	EACH	2	\$1,500.00	\$3,000.00
5030183	DROP INLET (SPECIAL DETAIL DD1, W/ GRATE)	EACH	1	\$10,000.00	\$10,000.00
5012524	STORM DRAIN PIPE, 24"	L.FT.	121	\$150.00	\$18,150.00
5030337	CATCH BASIN, TYPE B, B=5'-6" (MAG DET. 531)	EACH	2	\$5,000.00	\$10,000.00
6070038	PERFORATED SIGN POST SLIP BASE	EACH	4	\$200.00	\$800.00
6070057	PERFORATED SIGN POST 2 1/2T	L.FT.	62	\$20.00	\$1,240.00
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EACH	4	\$250.00	\$1,000.00
6080005	WARNING, MARKER, OR REGULATORY SIGN PANEL	SQ.FT.	40	\$25.00	\$1,000.00
6080081	FLAT SHEET ALUMINUM W/ DIRECT APPLY OR SILK-SCREEN CHARACTERS (0.090")	SQ.FT.	20	\$25.00	\$500.00
6110200	METAL HANDRAIL (	L.FT.	128	\$90.00	\$11,520.00
7015010	TEMPORARY CONCRETE BARRIER (INSTALLATION AND REMOVAL)	L.FT.	22009	\$15.00	\$330,135.00
7015020	TEMPORARY IMPACT ATTENUATORS (INSTALLATION AND REMOVAL)	EACH	13	\$1,200.00	\$15,600.00
7015032	TEMPORARY PREFORMED MARKING (TYPE II, TAPE LINE)	L.FT.	65963	\$2.00	\$131,926.00
7015052	OBLITERATE PAVEMENT MARKING (STRIPE)	L.FT.	26123	\$0.50	\$13,061.50
7016020	TEMPORARY CONCRETE BARRIER (IN USE)	L.FT./DAY	2694600	\$0.07	\$188,622.00
7016021	TEMPORARY IMPACT ATTENUATORS (IN -USE)	EACH-DAY	1,374	\$25.00	\$34,350.00
7016030	BARRICADE (TYPE II, VERT.PANEL, TUBULAR MARKER)	EACH-DAY	38,426	\$0.30	\$11,527.80
7016031	BARRICADE (TYPE III, HIGH LEVEL FLAG TREES)	EACH-DAY	2,578	\$0.50	\$1,289.00

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
7016032	PORTABLE SIGN STANDS (RIGID)	EACH-DAY	290	\$0.35	\$101.50
7016033	PORTABLE SIGN STANDS (SPRING TYPE)	EACH-DAY	1,584	\$1.00	\$1,584.00
7016035	WARNING LIGHTS (TYPE A)	EACH-DAY	7,960	\$0.20	\$1,592.00
7016037	WARNING LIGHTS (TYPE C)	EACH-DAY	41,324	\$0.20	\$8,264.80
7016039	EMBEDDED SIGN POST	EACH-DAY	14,804	\$0.25	\$3,701.00
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	5,652	\$0.50	\$2,826.00
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY	8,826	\$0.70	\$6,178.20
7016061	FLASHING ARROW PANEL	EACH-DAY	680	\$20.00	\$13,600.00
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	1,652	\$30.00	\$49,560.00
7016078	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)	HOUR	155	\$75.00	\$11,625.00
7016080	FLAGGING SERVICES (DPS)	HOUR	155	\$65.25	\$10,113.75
7050070	PRIMER-SEALER FOR PCCP (STRIPING)	L.FT.	5,698	\$0.50	\$2,849.00
7060100	PAVEMENT MARKER, RECESSED, TYPE C	EACH	260	\$4.00	\$1,040.00
7060102	PAVEMENT MARKER, RECESSED, TYPE E	EACH	520	\$4.00	\$2,080.00
7080001	PERMANENT PAVEMENT MARKING (PAINTED) (WHITE)	L.FT.	15042	\$0.15	\$2,256.30
7080011	PERMANENT PAVEMENT MARKING (PAINTED) (YELLOW)	L.FT.	13096	\$0.15	\$1,964.40
7080121	PERMANENT PAVEMENT MARKING (PAINTED SYMBOL) (ARROW)	EACH	1	\$175.00	\$175.00
7090001	DUAL COMPONENT PAVEMENT MARKING (WHITE EPOXY) (0.090")	L.FT.	22,583	\$0.50	\$11,291.50
7090002	DUAL COMPONENT PAVEMENT MARKING (YELLOW EPOXY) (0.090")	L.FT.	18,296	\$0.50	\$9,148.00
7090012	DUAL COMPONENT PAVEMENT SYMBOL (0.090")	EACH	1	\$250.00	\$250.00
7090014	REMOVAL OF CURING COMPOUND FOR STRIPING (0.090")	L.FT.	5,698	\$0.40	\$2,279.20
8030115	ROCK MULCH (	CU.YD.	60	\$120.00	\$7,200.00
8050003	SEEDING (CLASS II)	ACRE	13	\$4,000.00	\$52,000.00

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
8101007	EROSION CONTROL (RIPRAP) (GRADATION B)	CU.YD.	139	\$100.00	\$13,900.00
8101012	EROSION CONTROL (SILT FENCE)	L.FT.	1,283	\$12.00	\$15,396.00
8101014	EROSION CONTROL (CURB INLET PROTECTION)	L.FT.	20	\$30.00	\$600.00
8101018	EROSION CONTROL (CONSTRUCTION ENTRANCE)	SQ.YD.	1,000	\$20.00	\$20,000.00
8101029	EROSION CONTROL (ROCK MULCH) (GRADATION C)	CU.YD.	109	\$120.00	\$13,080.00
8101035	EROSION CONTROL (SEDIMENT LOGS) (20")	L.FT.	160	\$8.00	\$1,280.00
9010001	MOBILIZATION	L.SUM	1	\$970,000.00	\$970,000.00
9020004	CHAIN LINK FENCE, TYPE 1 (72")	L.FT.	242	\$20.00	\$4,840.00
9030008	FENCE (COF STD DETAIL 14-01-010)	L.FT.	338	\$30.00	\$10,140.00
9050001	GUARD RAIL, W-BEAM, SINGLE FACE	L.FT.	2938	\$25.00	\$73,450.00
9050010	GUARD RAIL (SPECIAL DETAIL) (DETAIL B)	L.FT.	100	\$50.00	\$5,000.00
9050026	GUARD RAIL TERMINAL (TANGENT TYPE)	EACH	2	\$3,500.00	\$7,000.00
9050036	GUARD RAIL, ANCHOR ASSEMBLY	EACH	2	\$1,200.00	\$2,400.00
9080094	CURB AND GUTTER / SIDEWALK TRANSITION (DETAIL A)	EACH	2	\$2,000.00	\$4,000.00
9080101	CONCRETE CURB AND GUTTER, TYPE A (MAG DET. 220-1) (TYPE A)	L.FT.	457	\$45.00	\$20,565.00
9080241	CONCRETE SIDEWALK (MAG DET. 230)	SQ.FT.	1372	\$8.00	\$10,976.00
9080242	CONCRETE SIDEWALK (COF STD DETAIL 14-01-010)	SQ.FT.	2999	\$8.00	\$23,992.00
9100113	CONCRETE BARRIER TRANSITION (STD DTL C-10.75)	EACH	1	\$1,500.00	\$1,500.00
9100114	CONCRETE BARRIER TRANSITION (STD DTL C-10.78)	EACH	1	\$1,500.00	\$1,500.00
9130001	RIPRAP (DUMPED) (D50=6-INCH)	CU.YD.	8	\$205.00	\$1,640.00
9240170	CONTRACTOR QUALITY CONTROL	L.SUM	1	\$100,000.00	\$100,000.00
9240181	MISCELLANEOUS WORK (CONTROL OF NOXIOUS WEEDS)(MANUAL METHODS)	SQ.YD.	1,486	\$0.50	\$743.00
9240182	MISCELLANEOUS WORK (CONTROL OF NOXIOUS WEEDS)(HERBICIDE)	SQ.YD.	2,972	\$0.25	\$743.00

ITEM NO.		DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
		4TH ST UP EB, STR. NO. 1182				
2020002	A	REMOVE BRIDGE	L.SUM	1	\$150,000.00	\$150,000.00
2030501	A	STRUCTURAL EXCAVATION	CU.YD.	1,500	\$30.00	\$45,000.00
2030506	A	STRUCTURE BACKFILL	CU.YD.	490	\$65.00	\$31,850.00
2030509	A	STRUCTURE BACKFILL (FLOW FILL)	CU.YD.	30	\$200.00	\$6,000.00
6010003	A	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,500)	CU.YD.	212	\$750.00	\$159,000.00
6010005	A	STRUCTURAL CONCRETE (CLASS S) (F'C = 4,500)	CU.YD.	694	\$750.00	\$520,500.00
6011132	A	COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING	L.FT.	356	\$350.00	\$124,600.00
6011348	A	DECK JOINT ASSEMBLY (4X4 COMPRESSION SEAL)	L.FT.	190	\$300.00	\$57,000.00
6011371	A	APPROACH SLAB (SD 2.01)	SQ.FT.	3,631	\$45.00	\$163,395.00
6014954	A	PRECAST, P/S MEMBER (AASHTO TYPE 6 GIRDER)	L.FT.	1,355	\$320.00	\$433,600.00
6050002	A	REINFORCING STEEL	LB.	42,400	\$1.25	\$53,000.00
6050012	A	REINFORCING STEEL (EPOXY COATED)	LB.	112,430	\$1.65	\$185,509.50
7320476	A	JUNCTION BOX (TYPE II)	EACH	1	\$700.00	\$700.00
9140153	A	RETAINING WALL (CIP)	SQ.FT.	345	\$60.00	\$20,700.00
9240050	A	MISCELLANEOUS WORK (SLIDE BRIDGE)	L.SUM	1	\$150,000.00	\$150,000.00
	A	LUMP SUM STRUCTURE (TOTAL OF PRECEEDING STRUCTURE ITEMS)		1	\$2,100,854.50	\$2,100,854.50
		4TH ST UP EB, STR. NO. 1182				\$2,100,854.50

ITEM NO.		DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
		4TH ST UP WB, STR. NO. 1183				
2020002	B	REMOVE BRIDGE	L.SUM	1	\$150,000.00	\$150,000.00
2030501	B	STRUCTURAL EXCAVATION	CU.YD.	1,475	\$30.00	\$44,250.00
2030506	B	STRUCTURE BACKFILL	CU.YD.	485	\$65.00	\$31,525.00
2030509	B	STRUCTURE BACKFILL (FLOW FILL)	CU.YD.	30	\$200.00	\$6,000.00
6010003	B	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,500)	CU.YD.	212	\$750.00	\$159,000.00
6010005	B	STRUCTURAL CONCRETE (CLASS S) (F'C = 4,500)	CU.YD.	716	\$750.00	\$537,000.00
6011132	B	COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING	L.FT.	356	\$350.00	\$124,600.00
6011348	B	DECK JOINT ASSEMBLY (4X4 COMPRESSION SEAL)	L.FT.	95	\$300.00	\$28,500.00
6011371	B	APPROACH SLAB (SD 2.01)	SQ.FT.	3,631	\$45.00	\$163,395.00
6014954	B	PRECAST, P/S MEMBER (AASHTO TYPE 6 GIRDER)	L.FT.	1,355	\$320.00	\$433,600.00
6050002	B	REINFORCING STEEL	LB.	42,400	\$1.25	\$53,000.00
6050012	B	REINFORCING STEEL (EPOXY COATED)	LB.	112,430	\$1.65	\$185,509.50
7320476	B	JUNCTION BOX (TYPE II)	EACH	1	\$700.00	\$700.00
9240050	B	MISCELLANEOUR WORK (SLIDE BRIDGE)	L.SUM	1	\$150,000.00	\$150,000.00
	B	LUMP SUM STRUCTURE (TOTAL OF PRECEEDING STRUCTURE ITEMS)		1	\$2,067,079.50	\$2,067,079.50
		4TH ST UP WB, STR. NO. 1183				\$2,067,079.50

ITEM NO.		DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
		CITY OF FLAGSTAFF ADDITIONAL ITEMS				
2030901	C	BORROW	CU.YD.	436	\$15.00	\$6,540.00
6011134	C	TWO TUBE BRIDGE RAIL	L.FT.	619	\$120.00	\$74,280.00
6100026	C	PAINT STRUCTURE (BRIDGES AND RETAINING WALLS)	SQ.FT.	1	\$40,000.00	\$40,000.00
7020007	C	IMPACT ATTENUATION DEVICE	EACH	1	\$5,000.00	\$5,000.00
7320476	C	JUNCTION BOX (TYPE II)	EACH	2	\$700.00	\$1,400.00
9010001	C	MOBILIZATION	L.SUM	1	\$27,000.00	\$27,000.00
9030009	C	FENCE (AT TWO TUBE RAIL)	L.FT.	431	\$10.00	\$4,310.00
9240119	C	MISCELLANEOUS WORK (ADDITIONAL FENCE POSTS FOR FUTURE FENCE AESTHETICS)	EACH	30	\$830.00	\$24,900.00
9240053	C	MISCELLANEOUS WORK (PINE CONE BARRIER RUSTICATION)	L.SUM	1	\$2,150.00	\$2,150.00
9240112	C	MISCELLANEOUS WORK (INSTALL 3 - 3" DIA CONDUIT)	L.FT.	794	\$10.00	\$7,940.00
9140155	C	RETAINING WALL (MSE)	SQ.FT.	1,104	\$60.00	\$66,240.00
9240170	C	CONTRACTOR QUALITY CONTROL	L.SUM	1	\$5,400.00	\$5,400.00
9250001	C	CONSTRUCTION SURVEYING AND LAYOUT	L.SUM	1	\$4,000.00	\$4,000.00
	C	LUMP SUM COF ITEMS (TOTAL OF PRECEEDING ITEMS)		1	\$269,160.00	\$269,160.00
		CITY OF FLAGSTAFF ADDITIONAL ITEMS				\$269,160.00

**CONTRACTS AND SPECIFICATIONS SERVICES
COMBINED ESTIMATE
PROJECT SUMMARY SHEET**

Project No.
040 CN 198 H8815 01D
040-D(234)T

Termini
Ash Fork - Flagstaff Highway (I-40)

Location
4TH ST BRIDGES Str. #1182, 1183

Prepared By
AECOM

50 / 50 SHARED COSTS BETWEEN ADOT AND CITY OF FLAGSTAFF			
STRUCTURE CODE	SECTION DESCRIPTIONS	NUMBER OF BID ITEMS	AMOUNT
	ROADWAY ITEMS	96	\$5,450,021.70
A	4TH ST UP EB, STR. NO. 1182	15	\$2,100,854.50
B	4TH ST UP WB, STR. NO. 1183	14	\$2,067,079.50
	SUBTOTAL	125	\$9,617,955.70
	0% UNIDENTIFIED ITEMS		\$0.00
	CONSTRUCTION ENGINEERING		\$946,216.00
	5% CONSTRUCTION CONTINGENCY		\$480,897.79
	POST DESIGN SERVICES		\$154,250.00
	SUBTOTAL		\$11,199,319.49
	CONTRACTOR INCENTIVES		\$0.00
	TOTAL	125	\$11,199,319.49
	9.90% INDIRECT COST ALLOCATION (ICAP)		\$1,108,732.63
	GRAND TOTAL	125	\$12,308,052.11

**CONTRACTS AND SPECIFICATIONS SERVICES
COMBINED ESTIMATE
PROJECT SUMMARY SHEET**

Project No.
040 CN 198 H8815 01D
040-D(234)T

Termini
Ash Fork - Flagstaff Highway (I-40)

Location
4TH ST BRIDGES Str. #1182, 1183

Prepared By
AECOM

100% COST FOR CITY OF FLAGSTAFF			
STRUCTURE CODE	SECTION DESCRIPTIONS	NUMBER OF BID ITEMS	AMOUNT
C	CITY OF FLAGSTAFF ADDITIONAL ITEMS	13	\$269,160.00
	SUBTOTAL	13	\$269,160.00
	0% UNIDENTIFIED ITEMS		\$0.00
	CONSTRUCTION ENGINEERING		\$26,916.00
	5% CONSTRUCTION CONTINGENCY		\$27,200.00
	POST DESIGN SERVICES		\$4,310.00
	SUBTOTAL		\$327,586.00
	CONTRACTOR INCENTIVES		\$0.00
	TOTAL	13	\$327,586.00
	9.90% INDIRECT COST ALLOCATION (ICAP)		\$32,431.01
	GRAND TOTAL	13	\$360,017.01