

Appendix F

Detailed Cost Estimate for the Selected Alternative

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**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Sarival to Estrella	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	1 mile	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 350,000.00	350,000
	ROADWAY EXCAVATION	CU.YD.	250,000	\$ 6.00	1,500,000
	DRAINAGE EXCAVATION	CU.YD.	133,000	\$ 8.00	1,064,000
	BORROW	CU.YD.	870,000	\$ 15.00	13,050,000
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 400,000.00	400,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 200				16,364,000
300 & 400	BASE AND SURFACE TREATMENT				
	AGGREGATE BASE	SQ.YD.	139,827	\$ 8.00	1,118,620
	CONCRETE PAVEMENT	SQ.YD.	119,438	\$ 45.00	5,374,710
	ASPHALT PAVEMENT	SQ.YD.	20,389	\$ 35.00	713,620
	ARAC SURFACE	SQ.YD.	119,438	\$ 6.00	716,630
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				7,923,580
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	5,280	\$ 380.00	2,006,400
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	13,220	\$ 80.00	1,057,600
	PUMP STATION (NEW)	EACH	1	\$ 1,000,000.00	1,000,000
	PIPE CULVERTS	L.FT.	0	\$ 370.00	0
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				4,064,000
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	24,844	\$ 120.00	2,981,280
	STEEL BRIDGE	SQ.FT.		\$ 300.00	
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.		\$ 145.00	
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.		\$ 160.00	
	BRIDGE REHABILITATION	SQ.FT.		\$ 100.00	
	BOX CULVERT	L.FT./CELL	987	\$ 1,330.00	1,312,710
	SIGN STRUCTURES	EACH	5	\$ 100,000.00	500,000
	ITS STRUCTURE AND PANEL	EACH	2	\$ 200,000.00	400,000
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				5,193,990
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	2	\$ 35,000.00	70,000
	SIGNING (STREET)	MILE	0.50	\$ 65,000.00	32,500
	PAVEMENT MARKING	LANE-MILE	11.00	\$ 5,000.00	55,000
	LIGHTING	MILE	1.00	\$ 750,000.00	750,000
	TRAFFIC SIGNAL	EACH	2	\$ 250,000.00	500,000
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	1.00	\$ 525,000.00	525,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				1,932,500
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	331,500	\$ 4.00	1,326,000
	UTILITY RELOCATION	L.SUM	1	\$ 1,700,000.00	1,700,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				3,026,000
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1	\$ 1,000,000.00	1,000,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				1,020,000
	SUBTOTAL A (ITEM SUBTOTAL)				\$39,524,100

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Sarival to Estrella	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	1 mile	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PW	PROJECT WIDE				
	TRAFFIC CONTROL (1% OF SUBTOTAL A)			1.0%	395,200
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FURNISH WATER)			0.0%	0
	QUALITY CONTROL (1% OF SUBTOTAL A)			1.0%	395,200
	CONSTRUCTION SURVEYING (1.5% OF SUBTOTAL A)			1.5%	592,900
	EROSION CONTROL (1% OF SUBTOTAL A)			1.0%	395,200
	MOBILIZATION (8% OF SUBTOTAL A)			8.0%	3,161,900
	UNIDENTIFIED ITEMS (20% OF SUBTOTAL A)			20.0%	7,904,800
	SUBTOTAL B (SUBTOTAL A + PROJECT WIDE)				\$52,369,300
OTHER PROJ	OTHER PROJECT COSTS				
	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				350,000
	ENVIRONMENTAL MITIGATION				2,000,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UTILITIES & R/W)				\$54,719,300
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			NOT INCLUDED	0
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0%	547,200
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	2,736,000
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			8.0%	4,377,500
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHER PROJECT COSTS)			9.90%	6,175,600
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COST (EXCLUDING UTILITIES & R/W)				\$68,555,600
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEAR COST)			1.0%	547,200
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR COST)			8.0%	4,377,500
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COSTS)			9.90%	487,500
	TOTAL ESTIMATED DESIGN COST				\$5,412,200
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMENTS				125,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)			9.90%	12,400
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			1.00	0
	TOTAL ESTIMATED UTILITY COST				\$137,400
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY COSTS)			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR 20xx (X%/YR)			1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$74,105,000

**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Estrella to Dysart	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	3.31 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 1,158,500.00	1,158,500
	ROADWAY EXCAVATION	CU.YD.	704,253	\$ 6.00	4,225,520
	DRAINAGE EXCAVATION	CU.YD.	114,053	\$ 8.00	912,420
	BORROW	CU.YD.	2,860,000	\$ 15.00	42,900,000
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 1,175,000.00	1,175,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 200				50,371,440
300 & 400	BASE AND SURFACE TREATMENT				
	AGGREGATE BASE	SQ.YD.	262873	\$ 8.00	2,102,980
	CONCRETE PAVEMENT	SQ.YD.	241,816	\$ 45.00	10,881,720
	ASPHALT PAVEMENT	SQ.YD.	21,057	\$ 35.00	737,000
	ARAC SURFACE	SQ.YD.	241,816	\$ 6.00	1,450,900
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				15,172,600
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	15,000	\$ 380.00	5,700,000
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	48,242	\$ 80.00	3,859,360
	PUMP STATION (NEW)	EACH	1	\$ 1,000,000.00	1,000,000
	PIPE CULVERTS	L.FT.	0	\$ 370.00	0
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				10,559,360
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	85,404	\$ 120.00	10,248,480
	STEEL BRIDGE	SQ.FT.	62,870	\$ 300.00	18,861,000
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.	560,444	\$ 145.00	81,264,380
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.		\$ 160.00	
	BRIDGE REHABILITATION	SQ.FT.		\$ 100.00	
	BOX CULVERT	L.FT./CELL	2,114	\$ 1,330.00	2,811,620
	SIGN STRUCTURES	EACH	14	\$ 100,000.00	1,400,000
	ITS STRUCTURE AND PANEL	EACH	6	\$ 200,000.00	1,200,000
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				115,785,480
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	7	\$ 35,000.00	231,700
	SIGNING (STREET)	MILE	1.00	\$ 65,000.00	65,000
	PAVEMENT MARKING	LANE-MILE	24.00	\$ 5,000.00	120,000
	LIGHTING	MILE	3.31	\$ 750,000.00	2,482,500
	TRAFFIC SIGNAL	EACH	6	\$ 250,000.00	1,500,000
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	3.31	\$ 525,000.00	1,737,750
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				6,136,950
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	600,000	\$ 4.00	2,400,000
	UTILITY RELOCATION	L.SUM	1	\$ 413,750.00	413,750
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				2,813,750
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1	\$ 3,300,000.00	3,300,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				3,320,000
	SUBTOTAL A (ITEM SUBTOTAL)				\$204,159,600

**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Estrella to Dysart	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	3.31 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PW	PROJECT WIDE				
	TRAFFIC CONTROL (1% OF SUBTOTAL A)			1.0%	2,041,600
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FURNISH WATER)			0.0%	0
	QUALITY CONTROL (1% OF SUBTOTAL A)			1.0%	2,041,600
	CONSTRUCTION SURVEYING (1.5% OF SUBTOTAL A)			1.5%	3,062,400
	EROSION CONTROL (1% OF SUBTOTAL A)			1.0%	2,041,600
	MOBILIZATION (8% OF SUBTOTAL A)			8.0%	16,332,800
	UNIDENTIFIED ITEMS (20% OF SUBTOTAL A)			20.0%	40,831,900
	SUBTOTAL B (SUBTOTAL A + PROJECT WIDE)				\$270,511,500
OTHER PROJ	OTHER PROJECT COSTS				
	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				800,000
	ENVIRONMENTAL MITIGATION				3,000,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UTILITIES & R/W)				\$274,311,500
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			NOT INCLUDED	0
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0%	2,743,100
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	13,715,600
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			8.0%	21,944,900
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHER PROJECT COSTS)			9.90%	30,958,800
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COST (EXCLUDING UTILITIES & R/W)				\$343,673,900
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEAR COST)			1.0%	2,743,100
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR COST)			8.0%	21,944,900
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COSTS)			9.90%	2,444,100
	TOTAL ESTIMATED DESIGN COST				\$27,132,100
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMENTS				6,375,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)			9.90%	631,100
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			1.00	0
	TOTAL ESTIMATED UTILITY COST				\$7,006,100
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY COSTS)			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR 20xx (X%/YR)			1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$377,812,000

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CONSTRUCTION COST ESTIMATE SUMMARY**

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CONSTRUCTION COST ESTIMATE SUMMARY**

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Dysart to Avondale	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	1.94 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 350,000.00	350,000
	ROADWAY EXCAVATION	CU.YD.	607,844	\$ 6.00	3,647,060
	DRAINAGE EXCAVATION	CU.YD.	22,673	\$ 8.00	181,380
	BORROW	CU.YD.	1,218,496	\$ 15.00	18,277,440
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 590,000.00	590,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 200				23,045,880
300 & 400	BASE AND SURFACE TREATMENT				
	AGGREGATE BASE	SQ.YD.	168,343	\$ 8.00	1,346,740
	CONCRETE PAVEMENT	SQ.YD.	156,343	\$ 45.00	7,035,440
	ASPHALT PAVEMENT	SQ.YD.	97,000	\$ 35.00	3,395,000
	ARAC SURFACE	SQ.YD.	156,343	\$ 6.00	938,060
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				12,715,240
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	25,000	\$ 380.00	9,500,000
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	30,150	\$ 80.00	2,412,000
	PUMP STATION (NEW)	EACH		\$ 2,500,000.00	
	PIPE CULVERTS	L.FT.	0	\$ 370.00	0
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				11,912,000
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	46,750	\$ 120.00	5,610,000
	STEEL BRIDGE	SQ.FT.	1,806	\$ 300.00	541,800
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.		\$ 145.00	
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.		\$ 160.00	
	BRIDGE REHABILITATION	SQ.FT.		\$ 100.00	
	BOX CULVERT	L.FT./CELL	0	\$ 1,330.00	0
	SIGN STRUCTURES	EACH	10	\$ 100,000.00	1,000,000
	ITS STRUCTURE AND PANEL	EACH	4	\$ 200,000.00	800,000
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				7,951,800
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	4	\$ 35,000.00	135,800
	SIGNING (STREET)	MILE	4.00	\$ 65,000.00	260,000
	PAVEMENT MARKING	LANE-MILE	29.00	\$ 5,000.00	145,000
	LIGHTING	MILE	1.94	\$ 750,000.00	1,455,000
	TRAFFIC SIGNAL	EACH	0	\$ 250,000.00	0
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	1.94	\$ 525,000.00	1,018,500
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				3,014,300
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	645,000	\$ 4.00	2,580,000
	UTILITY RELOCATION	L.SUM	1	\$ 485,000.00	485,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				3,065,000
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1	\$ 1,940,000.00	1,940,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				1,960,000
	SUBTOTAL A (ITEM SUBTOTAL)				\$63,664,200

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Dysart to Avondale	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	1.94 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PW	PROJECT WIDE				
	TRAFFIC CONTROL (1% OF SUBTOTAL A)			1.0%	636,600
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FURNISH WATER)			0.0%	0
	QUALITY CONTROL (1% OF SUBTOTAL A)			1.0%	636,600
	CONSTRUCTION SURVEYING (1.5% OF SUBTOTAL A)			1.5%	955,000
	EROSION CONTROL (1% OF SUBTOTAL A)			1.0%	636,600
	MOBILIZATION (8% OF SUBTOTAL A)			8.0%	5,093,100
	UNIDENTIFIED ITEMS (20% OF SUBTOTAL A)			20.0%	12,732,800
	SUBTOTAL B (SUBTOTAL A + PROJECT WIDE)				\$84,354,900
OTHER PROJ	OTHER PROJECT COSTS				
	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				700,000
	ENVIRONMENTAL MITIGATION				2,000,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UTILITIES & R/W)				\$87,054,900
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			NOT INCLUDED	0
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0%	870,500
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	4,352,700
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			8.0%	6,964,400
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHER PROJECT COSTS)			9.90%	9,825,000
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COST (EXCLUDING UTILITIES & R/W)				\$109,067,500
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEAR COST)			1.0%	870,500
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR COST)			8.0%	6,964,400
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COSTS)			9.90%	775,700
	TOTAL ESTIMATED DESIGN COST				\$8,610,600
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMENTS				250,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)			9.90%	24,800
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			1.00	0
	TOTAL ESTIMATED UTILITY COST				\$274,800
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY COSTS)			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR 20xx (X%/YR)			1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$117,953,000

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CONSTRUCTION COST ESTIMATE SUMMARY**

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ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Avondale to 97th Ave	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	2.23 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 780,500.00	780,500
	ROADWAY EXCAVATION	CU.YD.	481,475	\$ 6.00	2,888,850
	DRAINAGE EXCAVATION	CU.YD.	150,919	\$ 8.00	1,207,350
	BORROW	CU.YD.	1,050,786	\$ 15.00	15,761,790
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 540,000.00	540,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 200				21,178,490
300 & 400	BASE AND SURFACE TREATMENT				
	AGGREGATE BASE	SQ.YD.	220347	\$ 8.00	1,762,780
	CONCRETE PAVEMENT	SQ.YD.	208,480	\$ 45.00	9,381,600
	ASPHALT PAVEMENT	SQ.YD.	11,867	\$ 35.00	415,350
	ARAC SURFACE	SQ.YD.	208,480	\$ 6.00	1,250,880
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				12,810,610
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	11,775	\$ 380.00	4,474,500
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	175,834	\$ 80.00	14,066,720
	PUMP STATION (NEW)	EACH	0	\$ 2,500,000.00	0
	PIPE CULVERTS	L.FT.	0	\$ 370.00	0
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				18,541,220
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	75,972	\$ 120.00	9,116,640
	STEEL BRIDGE	SQ.FT.		\$ 300.00	
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.		\$ 145.00	
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.		\$ 160.00	
	BRIDGE REHABILITATION	SQ.FT.		\$ 100.00	
	BOX CULVERT	L.FT./CELL	3,489	\$ 1,330.00	4,640,370
	SIGN STRUCTURES	EACH	12	\$ 100,000.00	1,200,000
	ITS STRUCTURE AND PANEL	EACH	4	\$ 200,000.00	800,000
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				15,757,010
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	4	\$ 35,000.00	156,100
	SIGNING (STREET)	MILE	0.65	\$ 65,000.00	42,250
	PAVEMENT MARKING	LANE-MILE	16.75	\$ 5,000.00	83,750
	LIGHTING	MILE	2.23	\$ 750,000.00	1,672,500
	TRAFFIC SIGNAL	EACH	4	\$ 250,000.00	1,000,000
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	2.23	\$ 525,000.00	1,170,750
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				4,125,350
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	525,000	\$ 4.00	2,100,000
	UTILITY RELOCATION	L.SUM	1	\$ 278,750.00	278,750
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				2,378,750
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.	158,000	\$ 40.00	6,320,000
	ROADWAY APPURTENANCES	L.SUM	1	\$ 2,230,000.00	2,230,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				8,570,000
	SUBTOTAL A (ITEM SUBTOTAL)				\$83,361,400

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	Avondale to 97th Ave	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	2.23 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PW	PROJECT WIDE				
	TRAFFIC CONTROL (1% OF SUBTOTAL A)			1.0%	833,600
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FURNISH WATER)			0.0%	0
	QUALITY CONTROL (1% OF SUBTOTAL A)			1.0%	833,600
	CONSTRUCTION SURVEYING (1.5% OF SUBTOTAL A)			1.5%	1,250,400
	EROSION CONTROL (1% OF SUBTOTAL A)			1.0%	833,600
	MOBILIZATION (8% OF SUBTOTAL A)			8.0%	6,668,900
	UNIDENTIFIED ITEMS (20% OF SUBTOTAL A)			20.0%	16,672,300
	SUBTOTAL B (SUBTOTAL A + PROJECT WIDE)				\$110,453,800
OTHER PROJ	OTHER PROJECT COSTS				
	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				800,000
	ENVIRONMENTAL MITIGATION				5,000,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UTILITIES & R/W)				\$116,253,800
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			NOT INCLUDED	0
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0%	1,162,500
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	5,812,700
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			8.0%	9,300,300
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHER PROJECT COSTS)			9.90%	13,120,400
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COST (EXCLUDING UTILITIES & R/W)				\$145,649,700
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEAR COST)			1.0%	1,162,500
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR COST)			8.0%	9,300,300
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COSTS)			9.90%	1,035,800
	TOTAL ESTIMATED DESIGN COST				\$11,498,600
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMENTS				500,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)			9.90%	49,500
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			1.00	0
	TOTAL ESTIMATED UTILITY COST				\$549,500
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY COSTS)			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR 20xx (X%/YR)			1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$157,698,000

**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction SEGMENT: 97th to 67th (Phase 2) ESTIMATE LEVEL: Level 1 (DCR 15%) LENGTH: 3.84 miles ADOT PROJECT NO.: H6876 DATE: January 8, 2020					
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 1,344,000.00	1,344,000
	ROADWAY EXCAVATION	CU.YD.	901,148	\$ 6.00	5,406,890
	DRAINAGE EXCAVATION	CU.YD.	435,071	\$ 8.00	3,480,570
	BORROW	CU.YD.	4,400,000	\$ 15.00	66,000,000
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 1,835,000.00	1,835,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 200				78,066,460
300 & 400	BASE AND SURFACE TREATMENT				
	AGGREGATE BASE	SQ.YD.	438206	\$ 8.00	3,505,650
	CONCRETE PAVEMENT	SQ.YD.	403,128	\$ 45.00	18,140,760
	ASPHALT PAVEMENT	SQ.YD.	35,078	\$ 35.00	1,227,730
	ARAC SURFACE	SQ.YD.	403,128	\$ 6.00	2,418,770
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				25,292,910
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	20,300	\$ 380.00	7,714,000
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	171,322	\$ 80.00	13,705,760
	PUMP STATION (NEW)	EACH	3	\$ 175,000.00	525,000
	PIPE CULVERTS	L.FT.		\$ 370.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				21,944,760
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	85,476	\$ 120.00	10,257,120
	STEEL BRIDGE	SQ.FT.		\$ 300.00	
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.		\$ 145.00	
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.		\$ 160.00	
	BRIDGE REHABILITATION	SQ.FT.		\$ 100.00	
	BOX CULVERT	L.FT./CELL	3,849	\$ 1,330.00	5,119,170
	SIGN STRUCTURES	EACH	18	\$ 100,000.00	1,800,000
	ITS STRUCTURE AND PANEL	EACH	8	\$ 200,000.00	1,600,000
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				18,776,290
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	8	\$ 35,000.00	268,800
	SIGNING (STREET)	MILE	0.65	\$ 65,000.00	42,250
	PAVEMENT MARKING	LANE-MILE	26.00	\$ 5,000.00	130,000
	LIGHTING	MILE	3.84	\$ 750,000.00	2,880,000
	TRAFFIC SIGNAL	EACH	6	\$ 250,000.00	1,500,000
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	3.84	\$ 525,000.00	2,016,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				6,837,050
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	1,000,000	\$ 4.00	4,000,000
	UTILITY RELOCATION	L.SUM	1	\$ 8,755,200.00	8,755,200
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				12,755,200
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1	\$ 3,840,000.00	3,840,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				3,860,000
	SUBTOTAL A (ITEM SUBTOTAL)				\$167,532,700

ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction SEGMENT: 97th to 67th (Phase 2) ESTIMATE LEVEL: Level 1 (DCR 15%) LENGTH: 3.84 miles ADOT PROJECT NO.: H6876 DATE: January 8, 2020					
PW	PROJECT WIDE				
	TRAFFIC CONTROL (1% OF SUBTOTAL A)			1.0%	1,675,300
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FURNISH WATER)			0.0%	0
	QUALITY CONTROL (1% OF SUBTOTAL A)			1.0%	1,675,300
	CONSTRUCTION SURVEYING (1.5% OF SUBTOTAL A)			1.5%	2,513,000
	EROSION CONTROL (1% OF SUBTOTAL A)			1.0%	1,675,300
	MOBILIZATION (8% OF SUBTOTAL A)			8.0%	13,402,600
	UNIDENTIFIED ITEMS (20% OF SUBTOTAL A)			20.0%	33,506,500
	SUBTOTAL B (SUBTOTAL A + PROJECT WIDE)				\$221,980,700
OTHER PROJ	OTHER PROJECT COSTS				
	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				1,350,000
	ENVIRONMENTAL MITIGATION				3,800,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UTILITIES & R/W)				\$227,130,700
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			NOT INCLUDED	0
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0%	2,271,300
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	11,356,500
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			8.0%	18,170,500
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHER PROJECT COSTS)			9.90%	25,634,000
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COST (EXCLUDING UTILITIES & R/W)				\$284,563,000
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEAR COST)			1.0%	2,271,300
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR COST)			8.0%	18,170,500
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COSTS)			9.90%	2,023,700
	TOTAL ESTIMATED DESIGN COST				\$22,465,500
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMENTS				17,625,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)			9.90%	1,744,900
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			1.00	0
	TOTAL ESTIMATED UTILITY COST				\$19,369,900
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY COSTS)			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR 20xx (X%/YR)			1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$326,398,000

**ARIZONA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION COST ESTIMATE SUMMARY**

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CONSTRUCTION COST ESTIMATE SUMMARY**

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	67th to SR-202L	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	0.7 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 245,000.00	245,000
	ROADWAY EXCAVATION	CU.YD.	1,222,222	\$ 6.00	7,333,330
	DRAINAGE EXCAVATION	CU.YD.	23,207	\$ 8.00	185,660
	BORROW	CU.YD.	2,174,393	\$ 15.00	32,615,900
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 1,095,000.00	1,095,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 200				41,474,890
300 & 400	BASE AND SURFACE TREATMENT				
	AGGREGATE BASE	SQ.YD.	467389	\$ 8.00	3,739,110
	CONCRETE PAVEMENT	SQ.YD.	342,944	\$ 45.00	15,432,480
	ASPHALT PAVEMENT	SQ.YD.	124,445	\$ 35.00	4,355,580
	ARAC SURFACE	SQ.YD.	342,944	\$ 6.00	2,057,660
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				25,584,830
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	21,500	\$ 380.00	8,170,000
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	20,988	\$ 80.00	1,679,040
	PUMP STATION (NEW)	EACH	0	\$ 2,500,000.00	0
	PIPE CULVERTS	L.FT.	0	\$ 370.00	0
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 2,000,000.00	2,000,000
	TOTAL ITEM 500				11,849,040
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	552,388	\$ 120.00	66,286,560
	STEEL BRIDGE	SQ.FT.	427,634	\$ 300.00	128,290,200
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.		\$ 145.00	
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.	32,114	\$ 160.00	5,138,240
	BRIDGE REHABILITATION	SQ.FT.		\$ 100.00	
	BOX CULVERT	L.FT./CELL	600	\$ 1,330.00	798,000
	SIGN STRUCTURES	EACH	16	\$ 100,000.00	1,600,000
	ITS STRUCTURE AND PANEL	EACH		\$ 200,000.00	
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				202,113,000
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	1	\$ 35,000.00	49,000
	SIGNING (STREET)	MILE	0.50	\$ 65,000.00	32,500
	PAVEMENT MARKING	LANE-MILE	6.65	\$ 5,000.00	33,250
	LIGHTING	MILE	0.70	\$ 2,000,000.00	1,400,000
	TRAFFIC SIGNAL	EACH	6	\$ 250,000.00	1,500,000
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	0.70	\$ 525,000.00	367,500
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				3,382,250
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	1,500,000	\$ 4.00	6,000,000
	UTILITY RELOCATION	L.SUM	1	\$ 140,000.00	140,000
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				6,140,000
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.	200,000	\$ 75.00	15,000,000
	SOUND WALLS	SQ.FT.	100,000	\$ 40.00	4,000,000
	ROADWAY APPURTENANCES	L.SUM	1	\$ 3,000,000.00	3,000,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				22,020,000
	SUBTOTAL A (ITEM SUBTOTAL)				\$312,564,000

ROUTE:	SR-30	PROJECT DESCRIPTION:	Freeway Construction		
SEGMENT:	67th to SR-202L	ESTIMATE LEVEL:	Level 1 (DCR 15%)		
LENGTH:	0.7 miles	ADOT PROJECT NO.:	H6876		
		DATE:	January 8, 2020		
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PW	PROJECT WIDE				
	TRAFFIC CONTROL (8% OF SUBTOTAL A)			8.0%	25,005,100
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FURNISH WATER)			0.0%	0
	QUALITY CONTROL (1% OF SUBTOTAL A)			1.0%	3,125,600
	CONSTRUCTION SURVEYING (1.5% OF SUBTOTAL A)			1.5%	4,688,500
	EROSION CONTROL (1% OF SUBTOTAL A)			1.0%	3,125,600
	MOBILIZATION (8% OF SUBTOTAL A)			8.0%	25,005,100
	UNIDENTIFIED ITEMS (20% OF SUBTOTAL A)			20.0%	62,512,800
	SUBTOTAL B (SUBTOTAL A + PROJECT WIDE)				\$436,026,700
OTHER PROJ	OTHER PROJECT COSTS				
	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				1,300,000
	ENVIRONMENTAL MITIGATION				2,000,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UTILITIES & R/W)				\$439,326,700
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			NOT INCLUDED	0
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0%	4,393,300
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	21,966,300
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			8.0%	35,146,100
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHER PROJECT COSTS)			9.90%	49,582,400
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COST (EXCLUDING UTILITIES & R/W)				\$550,414,800
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEAR COST)			1.0%	4,393,300
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR COST)			8.0%	35,146,100
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COSTS)			9.90%	3,914,400
	TOTAL ESTIMATED DESIGN COST				\$43,453,800
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMENTS				500,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)			9.90%	49,500
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION YEAR 20xx (X%/YR)			1.00	0
	TOTAL ESTIMATED UTILITY COST				\$549,500
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY COSTS)			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR 20xx (X%/YR)			1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$594,418,000