# Appendix F Detailed Cost Estimate for the Selected Alternative



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

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		1,057,600
	PUMP STATION (NEW)	EACH	1	\$ 1,000,000.00	1,000,000
	PIPE CULVERTS	L.FT.	0		1,000,000
	MISCELLANEOUS ITEMS	L.SUM	ű	5,0100	ŭ
	TOTAL ITEM 500	2.501.1			4,064,000
600	STRUCTURES				1,001,000
	CONCRETE PBRIDGE	SQ.FT.	24,844	\$ 120.00	2,981,280
	STEEL BRIDGE	SQ.FT.	<b>=</b> 1,0 · · ·	\$ 300.00	2,,01,200
	OVERPASS TI BRIDGE	SQ.FT.		\$ 140.00	
	RIVER CROSSING BRIDGE	SQ.FT.		\$ 145.00	
	PEDESTRIAN BRIDGE	SQ.FT.		\$ 180.00	
	BRIDGE WIDENING	SQ.FT.		\$ 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	100,000
	MISCELLANEOUS ITEMS	L.SUM		Ψ 550,000.00	
	TOTAL ITEM 600	2.50141			5,193,990
700	TRAFFIC ENGINEERING				5,175,570
, , , ,	SIGNING (FREEWAY)	MILE/DIR	2	\$ 35,000.00	70,000
	SIGNING (STREET)	MILE	0.50		32,500
	PAVEMENT MARKING	LANE-MILE	11.00	,	55,000
	LIGHTING	MILE	1.00		750,000
	TRAFFIC SIGNAL	EACH	2	\$ 250,000.00	500,000
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	1.00		525,000
	MISCELLANEOUS ITEMS	L.SUM	1.00	\$ 525,000.00	323,000
	TOTAL ITEM 700	E.50W			1,932,500
800	ROADSIDE DEVELOPMENT	+			1,732,300
000	LANDSCAPING AND TOPSOIL	SO.YD.	331,500	\$ 4.00	1,326,000
	UTILITY RELOCATION	L.SUM	·	\$ 1,700,000.00	1,700,000
	MISCELLANEOUS ITEMS	L.SUM	1	- 1,700,000.00	1,700,000
	TOTAL ITEM 800	2.5011			3,026,000
900	INCIDENTALS	+			3,020,000
700	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1		1,000,000
	ADA IMPROVEMENTS	EACH	1	\$ 1,000,000.00	1,000,000
	TRANSIT APPURTENANCES	L.SUM		φ 5,000.00	
	RAILROAD ACCOMMODATIONS	L.SUM L.SUM			
	MISCELLANEOUS ITEMS	L.SUM L.SUM	1	\$ 20,000.00	20,000
		L.SUM	1	ه ∠0,000.00	1,020,000
<b> </b>	TOTAL ITEM 900 SUBTOTAL A (ITEM SUBTOTAL)	1		1	\$39,524,100
	SUDIVIAL A (HEM SUDIVIAL)				φ37,344,100

SR 30: SR 303L to SR 202L | Location/Design Concept Report |; April, 2020

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

ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction
SEGMENT: Sarival to Estrella
LENGTH: 1 mile ADOT PROJECT NO.: H6876 DATE: January 8, 2020

LENGIH:	1 mile ADOT PROJECT NO.:	H68/6	DAT	E: 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 FUR	RNISH WATE	ER)	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 I	TILITIES &	& R/W)		\$54,719,300
INFL	INFLATION AND BELOW THE LINE ITEMS				<del></del>
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION Y	EAR 20xx (X <sup>o</sup>	%/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 + OTH	HER PROJEC	T COSTS)	9.90%	6,175,600
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION CO				\$68,555,600
		(2.102.0			,
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YE	AR COST)		1.0%	547,200
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR CO	OST)		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 AGREEM	ENTS			125,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COST			9.90%	12,400
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION		x (X%/YR)	1.00	0
	TOTAL ESTIMATED UTILITY COST		, , ,		\$137,400
					<del></del>
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WA	Y COSTS)		9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEA	R 20xx (X%/	YR)	1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	•			-	084105000
	TOTAL ESTIMATED PROJECT COST				\$74,105,000

ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction

SEGMENT: Estrella to Dysart

LENGTH: 3.31 miles ADOT PROJECT NO: H6876 DATE: January 8, 2020

LENGTH:	3.31 miles ADOT PROJECT NO.:	H6876		January 8, 2020	
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 1,158,500.00	1,158,50
	ROADWAY EXCAVATION	CU.YD.	704,253	\$ 6.00	4,225,52
	DRAINAGE EXCAVATION	CU.YD.	114,053	\$ 8.00	912,42
	BORROW	CU.YD.	2,860,000	\$ 15.00	42,900,00
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 1,175,000.00	1,175,00
	MISCELLANEOUS ITEMS	L.SUM		-,-,-,	-,-,-,-
	TOTAL ITEM 200	2.50111			50,371,44
300 & 400	BASE AND SURFACE TREATMENT				30,371,1
300 & 400	AGGREGATE BASE	SQ.YD.	262873	\$ 8.00	2,102,98
	CONCRETE PAVEMENT	SQ.YD.	241,816		10,881,72
	ASPHALT PAVEMENT	SQ.YD.	21,057		737,0
		SQ.1D. SO.YD.	241,816		1,450,9
	ARAC SURFACE	` `	241,810		1,430,9
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 300 & 400				15,172,6
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	15,000		5,700,0
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	48,242	\$ 80.00	3,859,3
	PUMP STATION (NEW)	EACH	1	\$ 1,000,000.00	1,000,0
	PIPE CULVERTS	L.FT.	0	\$ 370.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				10,559,3
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	85,404	\$ 120.00	10,248,4
	STEEL BRIDGE	SQ.FT.	62,870		18,861,0
	OVERPASS TI BRIDGE	SQ.FT.	,	\$ 140.00	,,-
	RIVER CROSSING BRIDGE	SQ.FT.	560,444		81,264,3
	PEDESTRIAN BRIDGE	SQ.FT.	300,111	\$ 180.00	01,204,3
	BRIDGE WIDENING	SQ.FT.		\$ 160.00	
		-			
	BRIDGE REHABILITATION	SQ.FT.	2.1.4	\$ 100.00	2011.6
	BOX CULVERT	L.FT./CELL	2,114		2,811,6
	SIGN STRUCTURES	EACH	14	\$ 100,000.00	1,400,0
	ITS STRUCTURE AND PANEL	EACH	6	\$ 200,000.00	1,200,0
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				115,785,4
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	7		231,7
	SIGNING (STREET)	MILE	1.00	\$ 65,000.00	65,0
	PAVEMENT MARKING	LANE-MILE	24.00	\$ 5,000.00	120,0
	LIGHTING	MILE	3.31	\$ 750,000.00	2,482,5
	TRAFFIC SIGNAL	EACH	6	\$ 250,000.00	1,500,0
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	3.31		1,737,7
	MISCELLANEOUS ITEMS	L.SUM	2.51		1,,,,,,
	TOTAL ITEM 700	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			6,136,9
800	ROADSIDE DEVELOPMENT				0,130,9
230	LANDSCAPING AND TOPSOIL	SQ.YD.	600,000	\$ 4.00	2,400,0
	UTILITY RELOCATION	L.SUM	1	\$ 413,750.00	413,7
		L.SUM	1	Ψ 713,730.00	413,/
	MISCELLANEOUS ITEMS  TOTAL ITEM 800	L.SUM			2012
000					2,813,7
900	INCIDENTALS  PETA DUDG WALLS	00.575		Ф 75.00	
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1	\$ 3,300,000.00	3,300,0
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,0
	TOTAL ITEM 900		•	,	3,320,0
	SUBTOTAL A (ITEM SUBTOTAL)	l L		1	\$204,159,6

# ARIZONA DEPARTMENT OF TRANSPORTATION CONSTRUCTION COST ESTIMATE SUMMARY

ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction

SEGMENT: Estrella to Dysart

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 FUR	RNISH WATE	R)	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 8	& R/W)		\$274,311,500
INFL	INFLATION AND BELOW THE LINE ITEMS	E + D 20 (3/0	( ATD)	NOT DICK LIDED	
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION Y	EAR 20XX (X%	%/YR)	NOT INCLUDED	2.742.100
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0% 5.0%	2,743,100
	CONSTRUCTION ENCINEEDING (99) OF SUBTOTAL A)			8.0%	13,715,600 21,944,900
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A) INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTE	TED DDOTEC	T COSTS)	9.90%	30,958,800
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION C				\$343,673,900
	CONSTRUCTION TEAR DETARTMENT CONSTRUCTION C	OSI (EACLE	DING UTILITIES	5 & K/W)	\$343,073,900
DES	PREDESIGN AND FINAL DESIGN				
225	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YE	EAR COST)		1.0%	2,743,100
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR CO	,		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 AGREEM	ENTS			6,375,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COST	S)		9.90%	631,100
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION	ON YEAR 20x	x (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-WA	,		9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEA	R 20xx (X%/Y	YR)	1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	•				0255 042 000
	TOTAL ESTIMATED PROJECT COST				\$377,812,000

SR 30: SR 303L to SR 202L | Location/Design Concept Report |; April, 2020

ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction

SEGMENT: Dysart to Avondale

LENGTH: 1.94 miles ADOT PROJECT NO: H6876 DATE: January 8, 2020

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		9,500,000
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	30,150		2,412,000
	PUMP STATION (NEW)	EACH		\$ 2,500,000.00	
	PIPE CULVERTS	L.FT.	0	\$ 370.00	(
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				11,912,000
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	46,750		5,610,000
	STEEL BRIDGE	SQ.FT.	1,806		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	-,	(
	SIGN STRUCTURES	EACH	10		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		\$ 35,000.00	135,800
	SIGNING (STREET)	MILE	4.00		260,000
	PAVEMENT MARKING	LANE-MILE	29.00	. ,	145,000
	LIGHTING	MILE	1.94	,	1,455,000
	TRAFFIC SIGNAL	EACH		\$ 250,000.00	(
	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			d	<u> </u>
	LANDSCAPING AND TOPSOIL	SQ.YD.	645,000		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  PETADING WALLS	CO PT		ø 75.00	
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	1 0 40 00
	ROADWAY APPURTENANCES	L.SUM	1		1,940,000
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM		£ 20,000.00	20.00
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,000
	TOTAL ITEM 900				1,960,000
<u> </u>	SUBTOTAL A (ITEM SUBTOTAL)				\$63,664,200

SR 30: SR 303L to SR 202L | Location/Design Concept Report |; April, 2020

# ARIZONA DEPARTMENT OF TRANSPORTATION 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

LENGIII.	1.54 miles ADOTTROJECT No.:	110070		L. January 6, 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 FURNI	SH WATE	R)	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				40.,00.,00
OTHERTHOU	DPS TRAFFIC CONTROL				0
	JOINT PROJECT AGREEMENT ITEMS				0
	CONTRACTOR INCENTIVES				700,000
	ENVIRONMENTAL MITIGATION				2,000,000
	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING UT	H ITIES &	. <b>P</b> /W)		\$87,054,900
INFL	INFLATION AND BELOW THE LINE ITEMS	ILITIES	c K/ W j		\$67,034,700
INFL	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YEA	D 20vv (V0.	//VD)	NOT INCLUDED	0
		K 20XX (A7	0/ 1 K)	1.0%	970.500
	POST DESIGN SERVICES (1% OF SUBTOTAL A)				870,500
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A)			5.0%	4,352,700
	CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)	DDOIEG	r coere)	8.0%	6,964,400
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL B + OTHEI			9.90%	9,825,000
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION COS	T (EXCLU	DING UTILITIES	5 & 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			9.9070	\$8,610,600
	TOTAL ESTIMATED DESIGN COST				\$0,010,000
UTIL	UTILITY RELOCATION				
CIL	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEMEN	ITC			250,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS)	113		9.90%	24,800
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION	VEAR 20v	v (Y%/VP)	1.00	24,000
	TOTAL ESTIMATED UTILITY COST	I LAIN 20A	X (X/0/1K)	1.00	\$274,800
	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 2	20xx (X%/Y	(R)	1.00	0
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED BROJECT COST				6117.052.000
	TOTAL ESTIMATED PROJECT COST				\$117,953,000

ROUTE: SR-30 PROJECT DESCRIPTION: Freeway Construction

SEGMENT: Avondale to 97th Ave

LENGTH: 2.23 miles ADOT PROJECT NO: H6876 DATE: January 8, 2020

LENGTH:	2.23 miles ADOT PROJECT NO.:	H6876		January 8, 2020	
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK				
	CLEARING & REMOVALS	L.SUM	1	\$ 780,500.00	780,50
	ROADWAY EXCAVATION	CU.YD.	481,475	\$ 6.00	2,888,85
	DRAINAGE EXCAVATION	CU.YD.	150,919	\$ 8.00	1,207,35
	BORROW	CU.YD.	1,050,786	\$ 15.00	15,761,79
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 540,000.00	540,00
	MISCELLANEOUS ITEMS	L.SUM	-		,
	TOTAL ITEM 200	2.5011			21,178,49
300 & 400	BASE AND SURFACE TREATMENT				21,170,15
300 & 100	AGGREGATE BASE	SQ.YD.	220347	\$ 8.00	1,762,78
	CONCRETE PAVEMENT	SQ.YD.	208,480		9,381,6
	ASPHALT PAVEMENT	SQ.YD.	11,867		415,3
	ARAC SURFACE	SO.YD.	208,480		1,250,8
	MILLING & OVERLAY	`	200,400	\$ 16.00	1,230,6
		SQ.YD.		\$ 10.00	
	MISCELLANEOUS ITEMS	L.SUM			12.010.6
<b>700</b>	TOTAL ITEM 300 & 400				12,810,6
500	DRAINAGE				
	DRAINAGE SYSTEM (CLOSED)	L.FT.	11,775		4,474,5
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	175,834		14,066,7
	PUMP STATION (NEW)	EACH	0	\$ 2,500,000.00	
	PIPE CULVERTS	L.FT.	0	\$ 370.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				18,541,2
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	75,972	\$ 120.00	9,116,6
	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	· ·	4,640,3
	SIGN STRUCTURES	EACH	12	\$ 100,000.00	1,200,0
				\$ 200,000.00	800,0
	ITS STRUCTURE AND PANEL	EACH	4		800,0
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
=00	TOTAL ITEM 600				15,757,0
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR		\$ 35,000.00	156,1
	SIGNING (STREET)	MILE	0.65		42,2
	PAVEMENT MARKING	LANE-MILE	16.75		83,7
	LIGHTING	MILE	2.23		1,672,5
	TRAFFIC SIGNAL	EACH	4	\$ 250,000.00	1,000,0
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	2.23	\$ 525,000.00	1,170,7
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 700				4,125,3
800	ROADSIDE DEVELOPMENT				
	LANDSCAPING AND TOPSOIL	SQ.YD.	525,000	\$ 4.00	2,100,0
	UTILITY RELOCATION	L.SUM	1	\$ 278,750.00	278,7
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 800				2,378,7
900	INCIDENTALS				, -,,
	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.	158,000		6,320,0
	ROADWAY APPURTENANCES	L.SUM	130,000	\$ 2,230,000.00	2,230,0
			1		2,230,0
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,0
	TOTAL ITEM 900				8,570,0
	SUBTOTAL A (ITEM SUBTOTAL)				\$83,361,

# ARIZONA DEPARTMENT OF TRANSPORTATION CONSTRUCTION COST ESTIMATE SUMMARY

 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%				
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FU	RNISH WATE	R)	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 &	k R/W)		\$116,253,800
INFL	INFLATION AND BELOW THE LINE ITEMS				
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION Y	EAR 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 + OT			9.90%	13,120,400
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION OF	COST (EXCLU	DING UTILITIES	& R/W)	\$145,649,700
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION Y	,		1.0%	1,162,500
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR C			8.0%	9,300,300
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COST	TS)		9.90%	1,035,800
	TOTAL ESTIMATED DESIGN COST				\$11,498,600
*****	VIIIV VIIIV DAY OCCURATION				
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEM			0.000/	500,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COST	,		9.90%	49,500
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION TO CONSTRUCTION OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPE	ON YEAR 20x	x (X%/YR)	1.00	0 - 10 - 10
	TOTAL ESTIMATED UTILITY COST				\$549,500
R/W	RIGHT-OF-WAY				
IV W	RIGHT-OF-WAY	L. SUM			0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WA			9.90%	0
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEA	/	7 <b>D</b> )	1.00	0
	RIGHT-OF-WAT TRICE ESCALATION TO ACQUISITION TEX	AK 20XX (A70/1	(K)	1.00	U
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$157,698,000

SR 30: SR 303L to SR 202L | Location/Design Concept Report |; April, 2020

 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

GMENT: NGTH:	97th to 67th (Phase 2) 3.84 miles  ADOT PROJECT NO.:	H6876	STIMATE LEVEL:	January 8, 2020	
EM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK	51111	QUANTITI	01111 0001	TOTAL COST
200	CLEARING & REMOVALS	L.SUM	1	\$ 1,344,000.00	1,344,000
	ROADWAY EXCAVATION	CU.YD.	901,148		5,406,890
	DRAINAGE EXCAVATION	CU.YD.	435,071		3,480,570
	BORROW	CU.YD.	4,400,000		66,000,000
	SUBGRADE TREATMENT	SQ.YD.	4,400,000	\$ 15.00	00,000,000
	FURNISH WATER	L.SUM	1	\$ 1,835,000.00	1,835,000
	MISCELLANEOUS ITEMS	L.SUM		Ψ 1,055,000.00	1,055,000
	TOTAL ITEM 200	E.SOM			78,066,460
300 & 400	BASE AND SURFACE TREATMENT				70,000,100
200 22 100	AGGREGATE BASE	SQ.YD.	438206	\$ 8.00	3,505,650
	CONCRETE PAVEMENT	SQ.YD.	403,128		18,140,760
	ASPHALT PAVEMENT	SQ.YD.	35,078		1,227,730
	ARAC SURFACE	SQ.YD.	403,128		2,418,770
	MILLING & OVERLAY	SQ.YD.	,	\$ 16.00	_,,.
	MISCELLANEOUS ITEMS	L.SUM		*	
	TOTAL ITEM 300 & 400	2.001.1			25,292,91
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	I *	13,705,76
	PUMP STATION (NEW)	EACH	3	\$ 175,000.00	525,00
	PIPE CULVERTS	L.FT.	Į.	\$ 370.00	520,00
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 500				21,944,76
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	85,476	\$ 120.00	10,257,12
	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	I *	5,119,17
	SIGN STRUCTURES	EACH	18	· ·	1,800,00
	ITS STRUCTURE AND PANEL	EACH	8	\$ 200,000.00	1,600,00
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				18,776,29
700	TRAFFIC ENGINEERING				10,7,70,=2
	SIGNING (FREEWAY)	MILE/DIR	8	\$ 35,000.00	268,80
	SIGNING (STREET)	MILE	0.65		42,25
	PAVEMENT MARKING	LANE-MILE	26.00		130,00
	LIGHTING	MILE	3.84		2,880,00
	TRAFFIC SIGNAL	EACH	6	\$ 250,000.00	1,500,00
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	3.84		2,016,00
	MISCELLANEOUS ITEMS	L.SUM	2.01	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,
	TOTAL ITEM 700				6,837,05
800	ROADSIDE DEVELOPMENT				, ,
	LANDSCAPING AND TOPSOIL	SQ.YD.	1,000,000	\$ 4.00	4,000,00
	UTILITY RELOCATION	L.SUM	1	\$ 8,755,200.00	8,755,20
	MISCELLANEOUS ITEMS	L.SUM			]
	TOTAL ITEM 800				12,755,20
900	INCIDENTALS				,,-
, 00	RETAINING WALLS	SQ.FT.		\$ 75.00	
	SOUND WALLS	SQ.FT.		\$ 40.00	
	ROADWAY APPURTENANCES	L.SUM	1	\$ 3,840,000.00	3,840,00
	ADA IMPROVEMENTS	EACH	•	\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,00
	TOTAL ITEM 900	1.50141	1	20,000.00	3,860,00
	SUBTOTAL A (ITEM SUBTOTAL)	1		1	\$167,532,70

SR 30: SR 303L to SR 202L | Location/Design Concept Report |; April, 2020

# ARIZONA DEPARTMENT OF TRANSPORTATION CONSTRUCTION COST ESTIMATE SUMMARY

 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

LENGTH:	3.84 miles ADOT PROJECT NO.:	H68/6	DAI	E: January 8, 2020	
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PW	PROJECT WIDE				
	TRAFFIC CONTROL (1% OF SUBTOTAL A)			1.0%	1,675,300
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FU	RNISH WATE	ER)	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)			20.070	\$221,980,700
OTHER PROJ	OTHER PROJECT COSTS				\$221,700,700
OTHERTROS	DPS TRAFFIC CONTROL				(
	JOINT PROJECT AGREEMENT ITEMS				(
					1.350.000
	CONTRACTOR INCENTIVES				1,350,000
	ENVIRONMENTAL MITIGATION	LITTLE TOURG	0 D (31)		3,800,000
DIE	PRESENT YEAR CONSTRUCTION BID COST (EXCLUDING	UTILITIES	& R/W)		\$227,130,700
INFL	INFLATION AND BELOW THE LINE ITEMS	E.D. 20 (110	V (TTD.)		
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION Y	EAR 20xx (X <sup>9</sup>	%/YR)	NOT INCLUDED	(
	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 + OT			9.90%	25,634,000
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION C	COST (EXCLU	UDING UTILITIE	S & R/W)	\$284,563,000
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YI	EAR COST)		1.0%	2,271,300
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR C	OST)		8.0%	18,170,500
	INDIRECT COST ALLOCATION (9.9% OF ALL DESIGN COST	S)		9.90%	2,023,700
	TOTAL ESTIMATED DESIGN COST				\$22,465,500
UTIL	UTILITY RELOCATION				
	PRIOR RIGHT UTILITY RELOCATIONS & SERVICE AGREEN	MENTS			17,625,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COST	rs)		9.90%	1,744,900
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION	*	x (X%/YR)	1.00	, ,
	TOTAL ESTIMATED UTILITY COST		/		\$19,369,900
					<del>,,-</del>
R/W	RIGHT-OF-WAY				
	RIGHT-OF-WAY	L. SUM			(
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WA			9.90%	(
	RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR	,	YR)	1.00	(
		(-1,0)	,		
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED DROJECT COST				#22 ( 200 ppg
	TOTAL ESTIMATED PROJECT COST				\$326,398,000

 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

ENGTH:	0.7 miles ADOT PROJECT NO.:	H6876		January 8, 2020	
ГЕМ	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTHWORK		<u> </u>		
	CLEARING & REMOVALS	L.SUM	1	\$ 245,000.00	245,0
	ROADWAY EXCAVATION	CU.YD.	1,222,222	\$ 6.00	7,333,3
	DRAINAGE EXCAVATION	CU.YD.	23,207	\$ 8.00	185,6
	BORROW	CU.YD.	2,174,393	\$ 15.00	32,615,9
	SUBGRADE TREATMENT	SQ.YD.		\$ 15.00	
	FURNISH WATER	L.SUM	1	\$ 1,095,000.00	1,095,0
	MISCELLANEOUS ITEMS	L.SUM		, , , ,	, ,
	TOTAL ITEM 200				41,474,8
300 & 400	BASE AND SURFACE TREATMENT				,,-
200 22 100	AGGREGATE BASE	SQ.YD.	467389	\$ 8.00	3,739,1
	CONCRETE PAVEMENT	SQ.YD.	342,944		15,432,4
	ASPHALT PAVEMENT	SQ.YD.	124,445		4,355,5
	ARAC SURFACE	SO.YD.	342,944		2,057,6
		`	342,944		2,037,0
	MILLING & OVERLAY	SQ.YD.		\$ 16.00	
	MISCELLANEOUS ITEMS	L.SUM			
=00	TOTAL ITEM 300 & 400				25,584,8
500	DRAINAGE			d 200	<del>.</del>
	DRAINAGE SYSTEM (CLOSED)	L.FT.	21,500		8,170,0
	DRAINAGE SYSTEM (OPEN)	L.FT.		\$ 190.00	
	DRAINAGE SYSTEM (CONVEYANCE CHANNEL)	SQ.YD.	20,988	\$ 80.00	1,679,0
	PUMP STATION (NEW)	EACH	0	\$ 2,500,000.00	
	PIPE CULVERTS	L.FT.	0	\$ 370.00	
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 2,000,000.00	2,000,0
	TOTAL ITEM 500				11,849,0
600	STRUCTURES				
	CONCRETE PBRIDGE	SQ.FT.	552,388	\$ 120.00	66,286,5
	STEEL BRIDGE	SQ.FT.	427,634	\$ 300.00	128,290,2
	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		5,138,2
		-	32,114		3,136,2
	BRIDGE REHABILITATION	SQ.FT.	600	· ·	700.0
	BOX CULVERT	L.FT./CELL	600		798,0
	SIGN STRUCTURES	EACH	16		1,600,0
	ITS STRUCTURE AND PANEL	EACH		\$ 200,000.00	
	O&M CROSSING	EACH		\$ 350,000.00	
	MISCELLANEOUS ITEMS	L.SUM			
	TOTAL ITEM 600				202,113,0
700	TRAFFIC ENGINEERING				
	SIGNING (FREEWAY)	MILE/DIR	1	\$ 35,000.00	49,0
	SIGNING (STREET)	MILE	0.50	\$ 65,000.00	32,5
	PAVEMENT MARKING	LANE-MILE	6.65	\$ 5,000.00	33,2
	LIGHTING	MILE	0.70		1,400,0
	TRAFFIC SIGNAL	EACH	6	l	1,500,0
	INTELLIGENT TRANSPORTATION SYSTEM (ITS)	MILE	0.70		367,5
	MISCELLANEOUS ITEMS	L.SUM	0170	020,000.00	507,0
	TOTAL ITEM 700	2.50111			3,382,2
800	ROADSIDE DEVELOPMENT				3,304,4
550	LANDSCAPING AND TOPSOIL	SQ.YD.	1,500,000	\$ 4.00	6,000,0
	UTILITY RELOCATION	L.SUM	1,500,000	\$ 140,000.00	140,0
	MISCELLANEOUS ITEMS		1	φ 140,000.00	140,0
		L.SUM			6 1 40 4
000	TOTAL ITEM 800				6,140,0
900	INCIDENTALS				
	RETAINING WALLS	SQ.FT.	200,000		15,000,0
	SOUND WALLS	SQ.FT.	100,000		4,000,0
	ROADWAY APPURTENANCES	L.SUM	1	\$ 3,000,000.00	3,000,
	ADA IMPROVEMENTS	EACH		\$ 3,000.00	
	TRANSIT APPURTENANCES	L.SUM			
	RAILROAD ACCOMMODATIONS	L.SUM			
	MISCELLANEOUS ITEMS	L.SUM	1	\$ 20,000.00	20,
	TOTAL ITEM 900	L.30W	1	Δ0,000.00	22,020,0
	SUBTOTAL A (ITEM SUBTOTAL)	1		ļ.	\$312,564,0

# ARIZONA DEPARTMENT OF TRANSPORTATION 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
PW	PROJECT WIDE				
	TRAFFIC CONTROL (8% OF SUBTOTAL A)			8.0%	25,005,100
	DUST PALLIATIVE (0% OF SUBTOTAL A)(INCLUDED IN FUR	NISH WATE	ER)	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 U	TILITIES &	& R/W)		\$439,326,700
INFL	INFLATION AND BELOW THE LINE ITEMS	1 D 20 (3//	0//3/70)	NOT DICK LIDED	
	LABOR AND MATERIAL INFLATION TO CONSTRUCTION YE	AR 20XX (X	%/YK)	NOT INCLUDED	4 202 200
	POST DESIGN SERVICES (1% OF SUBTOTAL A)			1.0% 5.0%	4,393,300
	CONSTRUCTION CONTINGENCIES (5% OF SUBTOTAL A) CONSTRUCTION ENGINEERING (8% OF SUBTOTAL A)			5.0% 8.0%	21,966,300 35,146,100
	INDIRECT COST ALLOCATION (9.9% OF SUBTOTAL A)	ED DDOIEC	T COSTS)	9.90%	49,582,400
	CONSTRUCTION YEAR DEPARTMENT CONSTRUCTION CO				\$550,414,800
	CONSTRUCTION TEAR DELANTMENT CONSTRUCTION CO	JST (EACE	CDING CHEFFES	( W IV W)	\$330,414,000
DES	PREDESIGN AND FINAL DESIGN				
	PREDESIGN/NEPA/PI SERVICES (1% OF CONSTRUCTION YEA	AR COST)		1.0%	4,393,300
	FINAL DESIGN SERVICES (8% OF CONSTRUCTION YEAR CO	ST)		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 AGREEME	ENTS			500,000
	INDIRECT COST ALLOCATION (9.9% OF ALL UTILITY COSTS	5)		9.90%	49,500
	UTILITY RELOCATION COST INFLATION TO CONSTRUCTION	N YEAR 20x	(x (X%/YR)	1.00	0
	TOTAL ESTIMATED UTILITY COST				\$549,500
R/W	DICHT OF WAY				
R/W	RIGHT-OF-WAY RIGHT-OF-WAY	T CLIM			0
		L. SUM		9.90%	0
	INDIRECT COST ALLOCATION (9.9% OF ALL RIGHT-OF-WAY RIGHT-OF-WAY PRICE ESCALATION TO ACQUISITION YEAR		VD)	9.90%	0
	RIGHT-OF-WAT TRICE ESCALATION TO ACQUISITION TEAP	C 20XX (A /0/	TK)	1.00	U
	ACQUISITION YEAR RIGHT-OF-WAY COSTS				\$0
	TOTAL ESTIMATED PROJECT COST				\$594,418,000

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