



To: City of Phoenix From: Brett Stroup P.E.

Re: Cost Estimation of I-Girder Bridges, Deck Slab Bridges, and

Single Barrel Reinforced Concrete Box Culverts

Cost Estimation Approach

Date: June 27, 2018

Kimley-Horn, Inc. (KH) has estimated costs for the following structures:

I-Girder Bridges

For the purpose of this task, we determined dollar per square foot cost for bridge construction based on past and current projects. The ADOT Ina Rd./I-10 Bridge constructed in 2018, ADOT Ina Rd./UPRR Bridge constructed in 2018, and the City of Phoenix Sonoran Desert Drive Bridge constructed in 2015. The Ina Rd./I-10 bridge and Ina Rd./UPRR bridge were both designed by Kimley-Horn and were part of a single CMAR project. The project guaranteed maximum price (GMP) were obtained for the ADOT Ina Rd. bridges and used to estimate final construction cost per square foot of bridge deck. For Sonoran Desert Drive, the quantities along with historical pricing data were used to estimate a final construction cost. The average construction cost for these I-Girder bridges is \$129/SF.

Deck Slab Bridges

For the purpose of this task, we determined dollar per square foot cost for bridge construction based on past projects. Two City of Phoenix bridges along Chandler BLVD constructed in 2016. The Chandler BLVD bridges were part of a design build project and the quantities along with GMP data were used to estimate a final construction cost per square foot of bridge deck. The average construction cost for deck slab bridges is \$99/SF.

Reinforced Concrete Box Culverts

Culvert construction cost was calculated in units of dollars per square foot where square foot refers to one linear foot of the span length, distance between the inside face of the side walls. The average construction cost was calculated based on using dimensions and quantities specified in ADOT standard details (ADOT SD6.01-1 through SD6.01-5). Specifically, Table No. 1 from SD6.01-5 outlining dimensions for various single barrel box culverts with 0-10 feet of fill. Excavation and backfill were included in the average cost and calculated based on assuming existing ground was 5'-0" above the top slab, 1'-0" of which was not included as it was assumed to be part of roadway embankment. The average construction cost was split out into two groups, due to the standards not specifying smaller heights once the span increased to 12 feet. The estimated cost of single-barrel reinforced concrete box culverts with spans of 6 feet to 10 feet is \$135/SF. The estimated cost of single-barrel reinforced concrete box culverts with spans of 12 feet is \$167/SF.

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BRIDGE SF COST & BOX CULVERT COST PER X-SEC AREA

I-girder Bridge				
Proj	ect: In	a I-10 and UPRR Bridges	s (2018 CONSTRUCTION)	
STRUCTURE #		BID PRICE	TOTAL AREA (SF)	PRICE PER SF
20094 I-10 OVERPASS	\$	4,775,702.33	35639.78	\$ 134.00
20095 UPRR OVERPASS	\$	6,068,197.00	45503.43	\$ 134.00
			AVERAGE/SF	\$ 134.00
			TOTAL BID COST	\$ 10,843,899.33

I-girder Bridge			
Proje	ct: Sonoran Desert Drive Bridg	ge (2015 CONSTRUCTION)	
STRUCTURE #	BID PRICE	TOTAL AREA (SF)	
N/A	\$ 7,389,542.72	67685.63	
		TOTAL COST/SF (2015)	\$ 110.00
		TOTAL COST/SF (2016)	\$ 114.40
		TOTAL COST/SF (2017)	\$ 118.98
		TOTAL COST/SF (2018)	\$ 123.74

AVERAGE COST/SF	= \$	129.00

Deck Slab Bridge										
Project: Chandler BLVD. Design Build Bridges (2016 CONSTRUCTION)										
STRUCTURE #		BID PRICE	TOTAL AREA (SF)	F	PRICE PER SF					
BR019 (19th Ave)	\$	872,050.61	9491.39	\$	92.00					
BR027 (27th Ave)	\$	860,275.02	9491.39	\$	91.00					
			AVERAGE/SF (2016)	\$	91.50					
			AVERAGE/SF (2017)	\$	95.16					
			AVERAGE/SF (2018)	\$	98.97					
			TOTAL BID COST	\$	1,732,325.63					

AVERAGE COST/SF (2016) = \$	92.00
AVERAGE COST/SF (2017) = \$	96.00
AVERAGE COST/SF (2018) = \$	99.00

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	AVERAGE (\$/SF)			\$ 139.18					12031	, T30.37						7	^		-		\$ 134.51			\$ 166.35			166 35
	∓ 2∖∃ЭЛЯЧ ЛАТОТ	\$ 115.64	\$ 127.38	\$ 139.83	\$ 151.14	\$ 161.92	\$ 107.67	\$ 116.97	\$ 125.52	\$ 134.59	\$ 144.36	\$ 153.09	\$ 104.26	\$ 112.43	\$ 121.56	\$ 129.73	\$ 138.06	\$ 146.40	\$ 154.97	1,644.45 \$ 164.44	AVERAGE (\$/SF)	\$ 149.64	\$ 157.30	\$ 165.67	\$ 174.57	\$ 184.56	AVERAGE (\$/SE)
	TOTAL PRICE (\$/LF)	\$ 693.85	\$ 764.31	\$ 839.00	\$ 906.87	\$ 971.49	\$ 861.38	\$ 935.74	\$ 1,004.14	\$ 1,076.71	\$ 1,154.89	\$ 1,224.74	\$ 1,042.58	\$ 1,124.26	\$ 1,215.64	\$ 1,297.31	\$ 1,380.64	\$ 1,463.96	\$ 1,549.74	\$ 1,644.45	AVER	\$ 1,795.64	\$ 1,887.66	\$ 1,988.00	\$ 2,094.90	\$ 2,214.77	AVER
:11.	(\$/LF)	\$ 220.50	\$ 240.30	\$ 260.10	\$ 280.80	\$ 300.60	\$ 247.50	\$ 267.30	\$ 287.10	\$ 306.90	\$ 326.70	\$ 347.40	\$ 273.60	\$ 293.40	\$ 314.10	\$ 333.90	\$ 353.70	\$ 373.50	\$ 394.20	\$ 414.00		\$ 400.50	\$ 420.30	\$ 440.10	\$ 460.80	\$ 480.60	
BACKFILL	(τ.γ/ι.ε)	2.5	2.7	2.9	3.1	3.3	2.8	3	3.2	3.4	3.6	3.9	3	3.3	3.5	3.7	3.9	4.2	4.4	4.6		4.5	4.7	4.9	5.1	5.3	
В	UNIT PRICE (\$/C.Y)			\$ 90.00					9	\$ 90.00			\$ 90.00											\$ 90.00			
NO	(±1/\$) T2O3 (ATOT	\$ 106.80	\$ 120.00	\$ 133.60	\$ 146.80	\$ 160.00	\$ 130.40	\$ 146.80	\$ 163.20	\$ 179.60	\$ 195.60	\$ 212.00	\$ 154.40	\$ 173.60	\$ 192.80	\$ 212.00	\$ 231.20	\$ 250.40	\$ 270.00	\$ 289.20		\$ 289.20	\$ 311.20	\$ 333.60	\$ 355.60	\$ 378.00	
EXCAVATION	(-1/۲.2) ΥΤΙΤΝΑυρ	2.67	3	3.34	3.67	4	3.26	3.67	4.08	4.49	4.89	5.3	3.86	4.34	4.82	5.3	5.78	6.26	6.75	7.23		7.23	7.78	8.34	8.89	9.45	
EXC	UNIT PRICE (\$/C.Y)		I	\$ 40.00	1	ı				\$ 40.00						9	÷ 40.00							\$ 40.00			
REINFORCING STEEL	(\$/\ ±) T2O3 1ATOT	\$ 104.88	\$ 119.13	\$ 137.13	\$ 148.13	\$ 157.38	\$ 140.88	\$ 151.88	\$ 157.75	\$ 167.13	\$ 182.00	\$ 188.00	\$ 197.00	\$ 208.25	\$ 227.13	\$ 238.38	\$ 251.13	\$ 263.88	\$ 277.25	\$ 289.25		\$ 382.00	\$ 396.25	\$ 417.38	\$ 430.75	\$ 469.63	
ORCIN	(эл/вл) үтітиалр	83.9	95.3	109.7	118.5	125.9	112.7	121.5	126.2	133.7	145.6	150.4	157.6	166.6	181.7	190.7	200.9	211.1	221.8	231.4		305.6	317	333.9	344.6	375.7	
REINF	UNIT PRICE (\$/LB)		l	\$ 1.25						C7.1 ¢						,								\$ 1.25			
	(+I/\$) T2O2 (A/LF)	198.60	5 215.40	331.90	3 248.70	5 265.20	5 264.30	3 284.70	304.80	325.20	345.60	366.00	322.80	346.80	371.10	395.10	419.10	443.10	467.40	502.50		560.70	588.30	616.20	657.30	685.20	
CONCRETE	ουΑΝΤΙΤΥ (C.Υ/LF)	0.662	0.718	0.773	67870	0.884	0.881	0.949	1.016	1.084	1.152	1.22	1.076	1.156 \$	1.237	1.317	1.397	1.477	1.558 \$	1.675 \$		1.869	1.961	2.054	2.191	2.284	
)	UNIT PRICE (\$/C.Y)		•	\$ 300.00		•				00.008 ¢		•				00000				•				\$ 300.00			
	AREA (SF)	18	24	30	36	42	54	32	40	48	99	64	08	40	20	09	20	80	06	100		96	108	120	132	144	
	неібнт (ғт)	3	4	2	9	7	3	7	2	9	4	8	8	7	2	9	4	8	6	10		8	6	10	11	12	
	SPAN (FT)			9					c	×						7	OT							12			

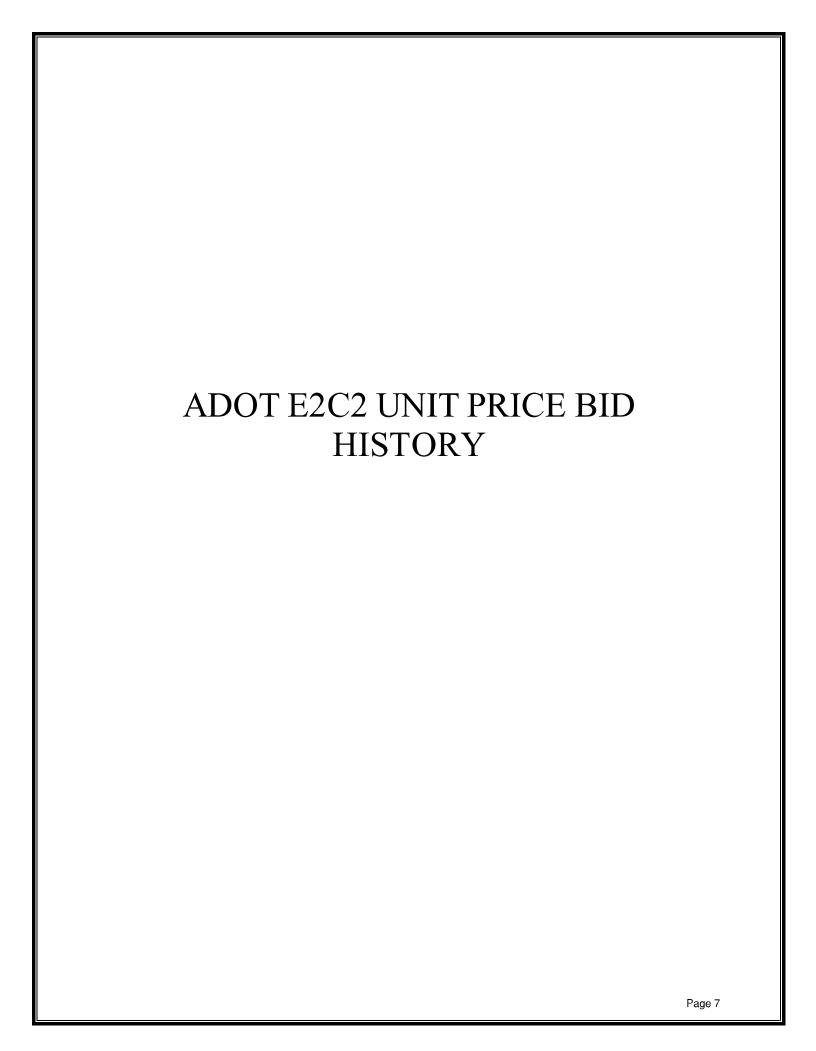
NOTES:
*CONCRETE (fc = 3000psi)
*MAXIMUM ALLOWABLE TOP FILL IS 0'-10'
*TYPICAL SIDE FILLS IS 3'-0"
*TYPICAL SIDE EXCAVATION 1'-6"

*TOTAL CULVERT PRICE IS MULTIPLIED BY A FACTOR OF 1.1 TO ACCOUNT FOR WINGWALLS

SONORAN DESERT DRIVE BRIDGE

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	1	TOTAL COST	UNIT COST SOURCE
STRUCTURE EXCAVATION	CY	176	\$ 12.00	\$	2,112.00	1-10 OVERPASS
STRUCTURE BACKFILL	CY	386	\$ 25.00	\$	9,650.00	1-10 OVERPASS
STRUCTURAL CONCRETE (CLASS S) (f'c = 3500 psi)	CY	1,103	\$ 869.00	\$	958,507.00	1-10 OVERPASS
STRUCTURAL CONCRETE (CLASS S) (f'c = 4500 psi)	CY	2,390	\$ 595.00	\$	1,422,050.00	1-10 OVERPASS
REINFORCING STEEL	LBS	710,634	\$ 0.83	\$	589,826.22	1-10 OVERPASS
AASHTO GIRDER TYPE VI (MOD)	LF	7,800	\$ 250.00	\$	1,950,000.00	ADOT E2C2
48" DIA DRILLED SHAFT	LF	900	\$ 450.00	\$	405,000.00	ADOT E2C2
72" DIA DRILLED SHAFT	LF	1,360	\$ 680.00	\$	924,800.00	1-10 OVERPASS
34" F-SHAPE BRIDGE CONCRETE BARRIER WITH RAIL	LF	693	\$ 55.00	\$	38,115.00	ADOT E2C2
PEDESTRAIN-TRAFFIC BRIDGE RAIL	LF	693	\$ 435.00	\$	301,455.00	1-10 OVERPASS
PEDESTRAIN RAILING WITH CURB	LF	693	\$ 170.00	\$	117,810.00	ADOT E2C2
CONCRETE APPROACH SLAB (SD 2.01)	SF	4,457	\$ 16.00	\$	71,312.00	1-10 OVERPASS
CONCRETE ANCHOR SLAB (SD 2.02)	SF	5,014	\$ 18.75	\$	94,012.50	1-10 OVERPASS
DECK JOINT ASSEMBLIES (STRIP SEAL)	LF	223	\$ 245.00	\$	54,635.00	1-10 OVERPASS
ELASTOMERIC BEARING PAD-PINNED	EA	104	\$ 2,000.00	\$	208,000.00	ADOT E2C2
ELASTOMERIC BEARING PAD-EXPANSION	EA	26	\$ 2,500.00	\$	65,000.00	ADOT E2C2
STRUCTURAL STEEL	LBS	55,750	\$ 3.00	\$	167,250.00	ADOT E2C2
RESTRAINER, VERTICAL (EXPANSION)	EA	24	\$ 205.00	\$	4,920.00	1-10 OVERPASS
RESTRAINER, VERTICAL (FIXED)	EA	48	\$ 106.00	\$	5,088.00	1-10 OVERPASS

TOTAL BID COST \$ 7,389,542.72



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Estimated Engineering Construction Cost

Arizona Unit Price Bid History

Bid Date	ltem #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL	DISTRICT											
10/20/2017	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	5,945.00	275.00	250.00	200.00	300.00
05/11/2015	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H808001C	051 MA 15.0	BLACK MOUNTAIN BLVD RAMPS - SR 51	1.0	1,469.00	278.49	288.96	.00.	.00
05/11/2015	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H808001C	051 MA 15.0	BLACK MOUNTAIN BLVD RAMPS - SR 51	1.0	4,129.00	216.60	232.03	.00.	.00
NORTHCE	NT DISTR	ICT										
06/26/2009	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H469901C	260 GI 263.1	LITTLE GREEN VALLEY	6.9	1,577.00	245.00	240.00	225.00	240.00
09/13/2013	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H791501C	089 CN 463.5	SR-64 TO LITTLE COLORADO RIVER	3.6	4,266.00	210.00	195.00	194.09	225.00
09/13/2013	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H791501C	089 CN 463.5	SR-64 TO LITTLE COLORADO RIVER	3.6	4,266.00	210.00	195.00	194.09	220.00
NORTHEA	ST DISTR	İCT										
10/26/2012	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H436001C	191 AP 367.4	NAHATA' DZIIL ROAD - SANDERS TI	1.4	2,006.00	195.00	218.50	260.00	245.00
03/21/2014	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H728601C	077 NA 366.0	FIVE MILE DRAW BRIDGE #20032	0.7	1,139.00	250.00	325.00	374.00	400.00
NORTHWE	ST DISTR	ICT										
10/08/2010	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H743901C	093 MO 109.1	US 93, SB WAGON BOW RANCH	3.9	738.00	240.00	.00	.00	.00
10/08/2010	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H743901C	093 MO 109.1	US 93, SB WAGON BOW RANCH	3.9	738.00	240.00	.00	.00.	.00
SOUTHCE	NT DISTR	ICT										
08/21/2009	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H239001C	010 PM 289.4	CIENEGA CREEK - MARSH STATION PH1	2.2	1,575.00	240.00	230.00	200.00	200.00
08/24/2012	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H747301C	010 PM 288.0	CIENEGA CREEK-MARSH STATION PHASE III	2.6	2,526.00	250.00	152.14	170.00	200.00
08/24/2012	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H747301C	010 PM 288.0	CIENEGA CREEK-MARSH STATION PHASE III	2.6	2,526.00	250.00	152.14	170.00	200.00
05/04/2018	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	F013201C	019 PM 58.7	AJO WAY TI (JCT SR 86), PHASE 2	3.6	4,675.00	222.00	300.00	320.00	294.00
SOUTHEA	ST DISTR	CT										
06/19/2015	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H790001C	060 PN 221.7	SILVER KING SECTION & SUPERIOR STREETS	5.1	759.00	210.00	250.00	185.00	250.00
06/19/2015	6014956	PRECAST, P/S MEMBER (AASHTO TYPE 6 MOD. GR.)	L.FT.	H790001C	060 PN 221.7	SILVER KING SECTION & SUPERIOR STREETS	5.1	759.00	210.00	300.00	185.00	250.00
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June 26, 2018

Parameter(s) supplied: Item Number 6014956, From Bid Date 6/26/2009, To Bid Date6/26/2018, Thank you!

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Estimated Engineering Construction Cost

Arizona Unit Price Bid History

Bid Date	ltem #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL	DISTRICT	-										
08/26/2011	6015203	BEARING (EACH	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	28.00	2,000.00	3,100.00	4,000.00	3,340.15
08/26/2011	6015203	BEARING (EACH	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	24.00	2,000.00	3,100.00	5,000.00	3,433.12
01/12/2012	6015203	BEARING (EACH	H686701C	024 MA 0.0	SR 202L (SANTAN) TO ELLSWORTH RD, PHASE I	3.4	24.00	3,000.00	2,000.00	1,800.00	1,855.09
01/12/2012	6015203	BEARING (EACH	H686701C	024 MA 0.0	SR 202L (SANTAN) TO ELLSWORTH RD, PHASE I	3.4	24.00	3,000.00	2,050.00	1,900.00	1,855.09
05/11/2015	6015203	BEARING (EACH	H808001C	051 MA 15.0	BLACK MOUNTAIN BLVD RAMPS - SR 51	1.0	15.00	1,031.43	1,015.73	.00.	.00
05/11/2015	6015203	BEARING (EACH	H808001C	051 MA 15.0	BLACK MOUNTAIN BLVD RAMPS - SR 51	1.0	16.00	979.86	1,284.69	.00	.00
11/20/2015	6015203	BEARING (EACH	H857701C	303 MA 103.2	I-10/303L TI, PHASE II	1.3	10.00	2,500.00	220.00	650.00	.00
11/20/2015	6015203	BEARING (EACH	H857701C	303 MA 103.2	I-10/303L TI, PHASE II	1.3	16.00	3,000.00	2,811.00	2,200.00	.00
11/20/2015	6015203	BEARING (EACH	H857701C	303 MA 103.2	I-10/303L TI, PHASE II	1.3	24.00	2,500.00	2,500.00	2,150.00	.00
11/20/2015	6015203	BEARING (EACH	H857701C	303 MA 103.2	I-10/303L TI, PHASE II	1.3	10.00	2,000.00	320.00	750.00	.00
HOLBROO	OK DISTRI	CT										
06/21/2013	6015203	BEARING (EACH	SL52101C	0000 NA NNA	CHEVELON CREEK BRIDGE (#8158)	0.0	4.00	3,500.00	8,500.00	3,050.00	3,753.88
NORTHEA	ST DISTR	ICT										
02/08/2013	6015203	BEARING (EACH	H771601C	040 AP 325.9	NAVAJO, CHAMBERS & QUERINO EB TI UPS	18.0	4.00	2,000.00	1,200.00	14,793.26	2,000.00
NORTHWI	EST DISTE	RICT										
01/29/2016	6015203	BEARING (EACH	H861301C	040 MO 83.2	WILLOW CREEK BRIDGES EB #1592,1594,1595 & 1768	2.2	10.00	1,500.00	3,300.00	3,500.00	3,750.00
01/29/2016	6015203	BEARING (EACH	H861301C	040 MO 83.2	WILLOW CREEK BRIDGES EB #1592,1594,1595 & 1768	2.2	4.00	1,500.00	4,000.00	6,000.00	5,000.00
01/29/2016	6015203	BEARING (EACH	H861301C	040 MO 83.2	WILLOW CREEK BRIDGES EB #1592,1594,1595 & 1768	2.2	8.00	1,500.00	3,500.00	4,000.00	4,000.00
01/29/2016	6015203	BEARING (EACH	H861301C	040 MO 83.2	WILLOW CREEK BRIDGES EB #1592,1594,1595 & 1768	2.2	8.00	1,500.00	3,000.00	4,000.00	4,000.00
11/04/2016	6015203	BEARING (EACH	H882001C	040 YV 112.5	AUDLEY OVERPASS EB STR #1520 AND WB STR #1521	0.6	12.00	1,500.00	800.00	2,500.00	1,400.00
11/04/2016	6015203	BEARING (EACH	H882001C	040 YV 112.5	AUDLEY OVERPASS EB STR #1520 AND WB STR #1521	0.6	12.00	1,500.00	800.00	2,500.00	1,400.00
01/26/2017	6015203	BEARING (EACH	H879901C	040 MO 59.7	DW RANCH ROAD TI UNDERPASS #1249	1.0	12.00	1,250.00	2,500.00	2,900.00	1,500.00
PHOENIX	DISTRICT	1										
03/05/2010	6015203	BEARING (EACH	SS59101C	0000 MA GLN	63RD AVE / LOOP 101	0.4	6.00	1,000.00	1,100.00	710.00	6,000.00
SAFFORD	DISTRICT	·										
05/11/2011	6015203	BEARING (EACH	H833601C	010 CH 297.1	MESCAL RD TI UP #517	1.0	6.00	800.00	1,855.00	2,035.40	3,000.00
			•				U Company		U	'	'	

June 26, 2018

Parameter(s) supplied: Item Number 6015203, From Bid Date 6/26/2009, To Bid Date6/26/2018, Thank you!

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Find | Next

Arizona Department of Transportation

Estimated Engineering Construction Cost <u>Arizona Unit Price Bid History</u>

Bid Date	Item #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL	DISTRICT											
08/25/2017	6090060	DRILLED SHAFT FOUNDATION (60")	L.FT.	H700701C	347 PN 173.0	UNION PACIFIC RR CROSSING	1.0	525.00	500.00	375.00	360.00	380.00
08/25/2017	6090060	DRILLED SHAFT FOUNDATION (60")	L.FT.	H700701C	347 PN 173.0	UNION PACIFIC RR CROSSING	1.0	440.00	500.00	378.00	360.00	390.00
08/25/2017	6090084	DRILLED SHAFT FOUNDATION (84")	L.FT.	H700701C	347 PN 173.0	UNION PACIFIC RR CROSSING	1.0	740.00	700.00	700.00	660.00	710.00
10/20/2017	6090036	DRILLED SHAFT FOUNDATION (36")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	320.00	350.00	350.00	360.00	400.00
10/20/2017	6090036	DRILLED SHAFT FOUNDATION (36")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	320.00	350.00	390.00	360.00	400.00
10/20/2017	6090060	DRILLED SHAFT FOUNDATION (60")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	1,490.00	400.00	400.00	280.00	450.00
10/20/201 7	6090072	DRILLED SHAFT FOUNDATION (72")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	800.00	600.00	450.00	425.00	550.00
12/08/2017	6090072	DRILLED SHAFT FOUNDATION (72")	L.FT.	H798401C	010 PN 196.4	EARLEY ROAD - JCT I-8	24.0	2,330.00	650.00	610.00	850.00	560.00
NORTHCE	NT DISTR	ICT										
02/23/2018	6091030	DRILLED SHAFTS (ROCK) (L.FT.	H893401C	017 CN 311.0	COCONINO COUNTY LINE - I-40 (NB)	29.0	96.00	800.00	1,650.00	1,000.00	1,500.00
02/23/2018	6090048	DRILLED SHAFT FOUNDATION (48")	L.FT.	H893401C	017 CN 311.0	COCONINO COUNTY LINE - I-40 (NB)	29.0	389.00	600.00	1,750.00	1,050.00	1,600.00
NORTHEA	ST DISTR	ICT										
03/02/2018	6090072	DRILLED SHAFT FOUNDATION (72")	L.FT.	H849001C	160 AP 429.0	CHINLE WASH BR, STR #746	1.0	112.00	1,500.00	3,000.00	3,181.98	2,425.00
03/02/2018	6091031	DRILLED SHAFTS (ROCK) (L.FT.	H849001C	160 AP 429.0	CHINLE WASH BR, STR #746	1.0	160.00	3,000.00	2,200.00	2,137.90	1,700.00
12/08/2017	6091030	DRILLED SHAFTS (ROCK) (L.FT.	SL63201C	0000 NA PLS	WOODLAND ROAD; NAVAJO LANE - SETTLERS LANE	0.8	60.00	1,000.00	350.00	450.00	1,070.00
12/08/2017	6090030	DRILLED SHAFT FOUNDATION (30")	L.FT.	SL63201C	0000 NA PLS	WOODLAND ROAD; NAVAJO LANE - SETTLERS LANE	0.8	52.00	300.00	190.40	250.00	825.00
SOUTHCE	NT DISTR	ICT										
05/04/2018	6090078	DRILLED SHAFT FOUNDATION (78")	L.FT.	F013201C	019 PM 58.7	AJO WAY TI (JCT SR 86), PHASE 2	3.6	960.00	750.00	1,250.00	1,000.00	1,200.00
05/04/2018	6090148	DRILLED SHAFT FOUNDATION	L.FT.	F013201C	019 PM 58.7	AJO WAY TI (JCT SR 86), PHASE 2	3.6	408.00	910.00	1,475.00	1,200.00	1,400.00

June 26, 2018

 $Parameter (s) \ supplied: Item \ Description \ drilled \ shaft, \ From \ Bid \ Date \ 6/26/2017, \ To \ Bid \ Date \ 6/26/2018, \ Thank \ you!$

- 1 -

Estimated Engineering Construction Cost

Bid Date	ltem #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL	DISTRICT											
01/18/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H787301C	303 MA 107.6	CAMELBACK ROAD TO GLENDALE AVENUE	4.8	349.00	55.00	60.00	48.06	75.00
01/18/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H787301C	303 MA 107.6	CAMELBACK ROAD TO GLENDALE AVENUE	4.8	349.00	55.00	60.00	48.06	75.00
01/18/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H787301C	303 MA 107.6	CAMELBACK ROAD TO GLENDALE AVENUE	4.8	351.00	55.00	60.00	47.86	75.00
01/18/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H787301C	303 MA 107.6	CAMELBACK ROAD TO GLENDALE AVENUE	4.8	351.00	55.00	60.00	47.85	75.00
01/23/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H814501C	303 MA 118.0	US 60 / SR 303L INTERIM TI	2.0	78.00	79.35	75.00	.00	.00
10/20/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	246.00	80.00	75.00	64.86	80.00
10/20/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	246.00	80.00	75.00	60.00	80.00
10/20/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	500.00	80.00	75.00	62.55	80.00
10/20/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H769601C	010 PN 209.6	SR 87 - TOWN OF PICACHO	4.2	501.00	80.00	75.00	62.62	65.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	254.00	62.00	50.00	60.00	48.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	194.00	62.00	50.00	60.00	48.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	620.00	62.00	45.00	55.00	48.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	578.00	62.00	50.00	58.00	48.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	662.00	62.00	45.00	58.00	48.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	946.00	62.00	45.00	54.00	48.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	604.00	62.00	45.00	57.00	55.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	650.00	62.00	45.00	57.00	52.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	594.00	62.00	45.00	57.00	55.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	626.00	62.00	45.00	57.00	55.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	602.00	62.00	45.00	57.00	55.00
05/23/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H687401C	101 MA 41.0	SHEA BLVD - SR 202L (RED MTN)	10.5	15,449.00	55.00	92.00	100.00	120.00
10/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H857601C	303 MA 123.1	EL MIRAGE RD TI	1.0	768.00	70.00	70.00	62.00	75.00
12/08/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H798401C	010 PN 196.4	EARLEY ROAD - JCT I-8	24.0	1,284.00	80.00	45.00	110.00	70.00
12/08/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H798401C	010 PN 196.4	EARLEY ROAD - JCT I-8	24.0	3,480.00	80.00	143.00	150.00	100.00
NORTHCE	NT DISTR	ICT										
09/13/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H791501C	089 CN 463.5	SR-64 TO LITTLE COLORADO RIVER	3.6	583.00	60.00	175.00	93.03	190.00
05/17/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H840201C	040 CN 146.2	EAST ASHFORK TI TO WEST WILLIAMS TI	16.1	592.00	60.00	90.00	125.00	135.00
03/15/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H852001C	389 MO 27.0	MP 27 -32 & US 89A-MP 609.2 - 610.10	5.6	462.00	90.00	72.00	Page 11	90.00

02/14/2014	6011140	F-SHAPE BRIDGE CONCRETE	L.FT.	H789001C	040 CN 218.6	CANYON PADRE BRIDGE,	0.2	724.00	85.00	65.00	84.00	86.00
		BARRIER AND TRANSITION (34")				STR #1670						
11/08/2013	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807701C	087 CN 323.9	LIMESTONE WASH BRIDGE #20048	0.1	320.00	75.00	85.00	68.00	105.32
01/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807401C	040 NA 254.6	RUBY WASH EB/WB - LITTLE COLORADO RIVER EB/WB	2.6	409.00	75.00	80.00	80.00	78.96
01/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807401C	040 NA 254.6	RUBY WASH EB/WB - LITTLE COLORADO RIVER EB/WB	2.6	409.00	75.00	80.00	80.00	78.96
01/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807401C	040 NA 254.6	RUBY WASH EB/WB - LITTLE COLORADO RIVER EB/WB	2.6	290.00	75.00	80.00	80.00	125.03
01/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807401C	040 NA 254.6	RUBY WASH EB/WB - LITTLE COLORADO RIVER EB/WB	2.6	290.00	75.00	80.00	80.00	125.29
01/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807401C	040 NA 254.6	RUBY WASH EB/WB - LITTLE COLORADO RIVER EB/WB	2.6	306.00	75.00	80.00	80.00	120.79
01/10/2014	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H807401C	040 NA 254.6	RUBY WASH EB/WB - LITTLE COLORADO RIVER EB/WB	2.6	306.00	75.00	80.00	80.00	118.59
04/24/2015	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H867501C	040 NA 250.0	I-40 COUNTY LINE - JACKRABBIT ROAD	18.0	557.00	75.00	100.00	140.00	145.00
09/25/2015	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H867201C	015 MO 0.0	NEVADA STATE LINE - MP 13	13.0	782.00	100.00	115.00	75.00	205.00
11/20/2015	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H863301C	040 CN 229.8	CANYON DIABLO BR EB STR# 1671 & WB STR# 845	0.3	516.00	85.00	110.00	101.73	90.00
01/13/2017	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H873401C	040 CN 219.0	TWIN ARROWS TIUP, STR #1363	1.0	548.00	90.00	102.40	100.00	80.00
05/27/2016	6011140	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (34")	L.FT.	H879301C	017 YV 232.0	NEW RIVER ROAD - COLDWATER CANYON ROAD	12.0	118.00	80.00	90.00	100.00	140.00







Estimated Engineering Construction Cost

Arizona Unit Price Bid History

Bid Date	Item #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
FLAGSTAF	F DISTRIC	ĊT .										
05/13/2011	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	H774001C	017 CN 319.0	MUNDS PARK, ELK VEHICLE COLLISION REDUCTION	5.5	467.00	155.00	180.00	230.00	230.00
NORTHWE	ST DISTR	RICT										
01/25/2011	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	H426901C	017 YV 261.0	CORDES JCT TI	0.5	583.00	110.00	162.92	.00	.00
SAFFORD	DISTRICT	-										
11/18/2010	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	H767401C	010 CH 367.8	LUZEAN - SAN SIMON POE (WB)	0.0	280.00	145.00	80.00	35.00	85.00
SOUTHCE	NT DISTR	ICT										
06/24/2011	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	H624101C	010 PM 252.4	RUTHRAUFF RD - PRINCE RD	2.3	482.00	135.00	120.00	330.00	140.00
06/24/2011	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	H624101C	010 PM 252.4	RUTHRAUFF RD - PRINCE RD	2.3	225.00	135.00	120.00	160.00	140.00
06/24/2011	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	H624101C	010 PM 252.4	RUTHRAUFF RD - PRINCE RD	2.3	159.00	135.00	120.00	165.00	140.00
SOUTHEA	ST DISTR	ICT										
03/09/2012	6011133	PEDESTRIAN FENCE FOR BRIDGE RAILING	L.FT.	SS93101C	0000 YU YUM	AVENUE 3E WIDENING - GILA RIDGE TO 24TH STREET	1.0	925.00	120.00	182.00	160.00	164.91
								·				

June 26, 2018

Parameter(s) supplied: Item Number 6011133, From Bid Date 6/26/2009, To Bid Date6/26/2018, Thank you!

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Estimated Engineering Construction Cost

Bid Date	Item #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL	DISTRICT	I										
08/28/2009	6050002	REINFORCING STEEL	LB.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART RD	18.0	201,830.00	.50	.65	.50	.65
08/28/2009	6050002	REINFORCING STEEL	LB.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART RD	18.0	130,200.00	.50	.60	.50	.65
08/28/2009	6050002	REINFORCING STEEL	LB.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART RD	18.0	203,725.00	.50	.50	.50	.65
08/28/2009	6050002	REINFORCING STEEL	LB.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART	18.0	149,110.00	.50	.60	.50	.65
08/28/2009	6050002	REINFORCING STEEL	LB.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART	18.0	150,040.00	.50	.55	.50	.65
08/28/2009	6050002	REINFORCING STEEL	LB.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART	18.0	559,360.00	.60	.50	.50	.65
09/25/2009	6050002	REINFORCING STEEL	LB.	H691201C	074 MA 19.5	US 60 TO SR 303L, MP 20 TO MP 22 (EB & WB)	3.2	6,647.00	1.50	.55	.50	.80
09/16/2010	6050002	REINFORCING STEEL	LB.	H752801C	143 MA 0.9	SR 143 / SKY HARBOR BLVD	2.5	372,300.00	.65	.72	.72	.70
09/16/2010	6050002	REINFORCING STEEL	LB.	H752801C	143 MA 0.9	SR 143 / SKY HARBOR BLVD	2.5	892,830.00	.65	.72	.72	.70
04/08/2011	6050002	REINFORCING STEEL	LB.	H786501C	060 PN 199.4	SIPHON DRAW - FLORENCE	11.7	4,010.00	1.25	1.05	2.50	2.00
02/18/2011	6050002	REINFORCING STEEL	LB.	H752501C	888 MA 0.0	JCT. MAG REGIONAL FREEWAY	0.0	12,755.00	.85	.70	.80	.70
02/18/2011	6050002	REINFORCING STEEL	LB.	H752501C	888 MA 0.0	SYSTEM MAG REGIONAL FREEWAY	0.0	24,983.00	.85	.70	.85	.70
02/18/2011	6050002	REINFORCING STEEL	LB.	H752501C	888 MA 0.0	SYSTEM MAG REGIONAL FREEWAY	0.0	54,145.00	.85	.70	.80	.70
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO	2.0	16,444.00	1.00	.80	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	16,325.00	1.00	.71	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	7,530.00	1.00	.74	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	6.133.00	1.00	.77	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	1,200.00	1.00	1.07	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	16.872.00	1.00	.66	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	11,985.00	1.00	.97	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	3,468.00	1.00	.75	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	830.00	1.00	.83	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	1.855.00	1.00	.80	.00	.00
	6050002					MOUNTAIN VIEW BLVD		,				
07/14/2010		REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	18,550.00	1.00	.74	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	2,715.00	1.00	.70	.00.	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	22,620.00	1.00	.81	.00.	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	5,964.00	1.00	.80	.00.	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	51,948.00	1.00	.71	.00.	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	644.00	1.00	.78	.00.	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	378,973.00	1.00	.67	.00.	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	66,125.00	1.00	.72	.00.	.00.
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	343.00	11.02	1.02	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	455,955.00	1.00	.97	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	455,810.00	1.00	.97	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	458,155.00	1.00	.97	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	457,865.00	1.00	.97	.00	.00
07/14/2010	6050002	REINFORCING STEEL	LB.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	778,793.00	1.00	.94	.00	.00
08/26/2011	6050002	REINFORCING STEEL	LB.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	39,732.00	.70	.63	.70	.82
08/26/2011	6050002	REINFORCING STEEL	LB.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	43,767.00	.70	.63	Page 1.40	.83

Estimated Engineering Construction Cost

Arizona Unit Price Bid History

Bid Date	ltem #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL	DISTRICT	•										
04/29/2016	2030508	STRUCTURE BACKFILL	CU.YD.	SZ09501C	0000 MA BKY	WATSON RD; NORTH OF VAN BUREN - MCDOWELL, BUCKEYE	1.5	204.00	40.00	18.00	85.00	60.00
GLOBE DIS	STRICT	l										
01/29/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H726101C	260 AP 385.7	SR 260 FROM GREER TO RODEO GROUNDS	13.0	132.00	35.00	75.00	45.00	20.00
01/29/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H726101C	260 AP 385.7	SR 260 FROM GREER TO RODEO GROUNDS	13.0	104.00	35.00	75.00	45.00	18.00
01/29/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H726101C	260 AP 385.7	SR 260 FROM GREER TO RODEO GROUNDS	13.0	128.00	35.00	75.00	45.00	19.00
01/29/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H726101C	260 AP 385.7	SR 260 FROM GREER TO RODEO GROUNDS	13.0	104.00	35.00	75.00	45.00	20.00
HOLBROO	K DISTRIC	CT										
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	30.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	190.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	70.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	200.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	120.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	175.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	150.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	80.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	45.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	190.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	245.00	35.00	30.00	13.00	45.00
08/13/2010	2030508	STRUCTURE BACKFILL	CU.YD.	H753201C	077 NA 374.3	SR 77, MP 374.34 TO MP 383.68	11.0	180.00	35.00	30.00	13.00	45.00
NORTHCE	NT DISTR	ICT										
09/13/2013	2030508	STRUCTURE BACKFILL	CU.YD.	H791501C	089 CN 463.5	SR-64 TO LITTLE COLORADO RIVER	3.6	315.00	50.00	74.00	58.21	36.00
NORTHWE	ST DISTR	RICT				COLORADO NIVER						
01/25/2011	2030508	STRUCTURE BACKFILL	CU.YD.	H426901C	017 YV 261.0	CORDES JCT TI	0.5	370.00	58.28	58.90	.00	.00
01/25/2011	2030508	STRUCTURE BACKFILL	CU.YD.	H426901C	017 YV 261.0	CORDES JCT TI	0.5	180.00	40.00	72.79	.00	.00
01/25/2011	2030508	STRUCTURE BACKFILL	CU.YD.	H426901C	017 YV 261.0	CORDES JCT TI	0.5	885.00	84.01	84.90	.00	.00
01/25/2011	2030508	STRUCTURE BACKFILL	CU.YD.	H426901C	017 YV 261.0	CORDES JCT TI	0.5	1,315.00	58.26	58.88	.00	.00
01/25/2011	2030508	STRUCTURE BACKFILL	CU.YD.	H426901C	017 YV 261.0	CORDES JCT TI	0.5	1,650.00	65.35	66.05	.00	.00
PHOENIX I	DISTRICT											
08/24/2012	2030508	STRUCTURE BACKFILL	CU.YD.	SS60701C	0000 MA LPK	LITCHFIELD PK @ WIGWAM BLVD	0.0	2,000.00	18.00	37.00	45.00	48.00
SOUTHCE	NT DISTR	ICT				5275						
01/17/2014	2030508	STRUCTURE BACKFILL	CU.YD.	H796901C	077 PN 123.5	ARAVAIPA CREEK BRIDGE, STR #399	1.0	32.00	60.00	105.00	200.00	180.00
01/17/2014	2030508	STRUCTURE BACKFILL	CU.YD.	H796901C	077 PN 123.5	ARAVAIPA CREEK BRIDGE, STR #399	1.0	720.00	60.00	76.00	60.00	70.00
SOUTHEA	ST DISTRI	CT	1									
07/28/2017	2030508	STRUCTURE BACKFILL	CU.YD.	H854701C	070 GH 302.0	HOLYOAK WASH BR #514 & MATTHEWSVILLE WASH BR #394	1.0	505.00	80.00	12.00	25.00	90.00
TUCSON E	DISTRICT	1										
05/06/2011	2030508	STRUCTURE BACKFILL	CU.YD.	H771801C	019 PM 19.3	VARIOUS BRIDGES ON I-19	28.0	25.00	65.00	14.90	78.00	65.00

June 26, 2018

Parameter(s) supplied: Item Number 2030508, From Bid Date 6/26/2009, To Bid Date6/26/2018, Thank you!

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Estimated Engineering Construction Cost

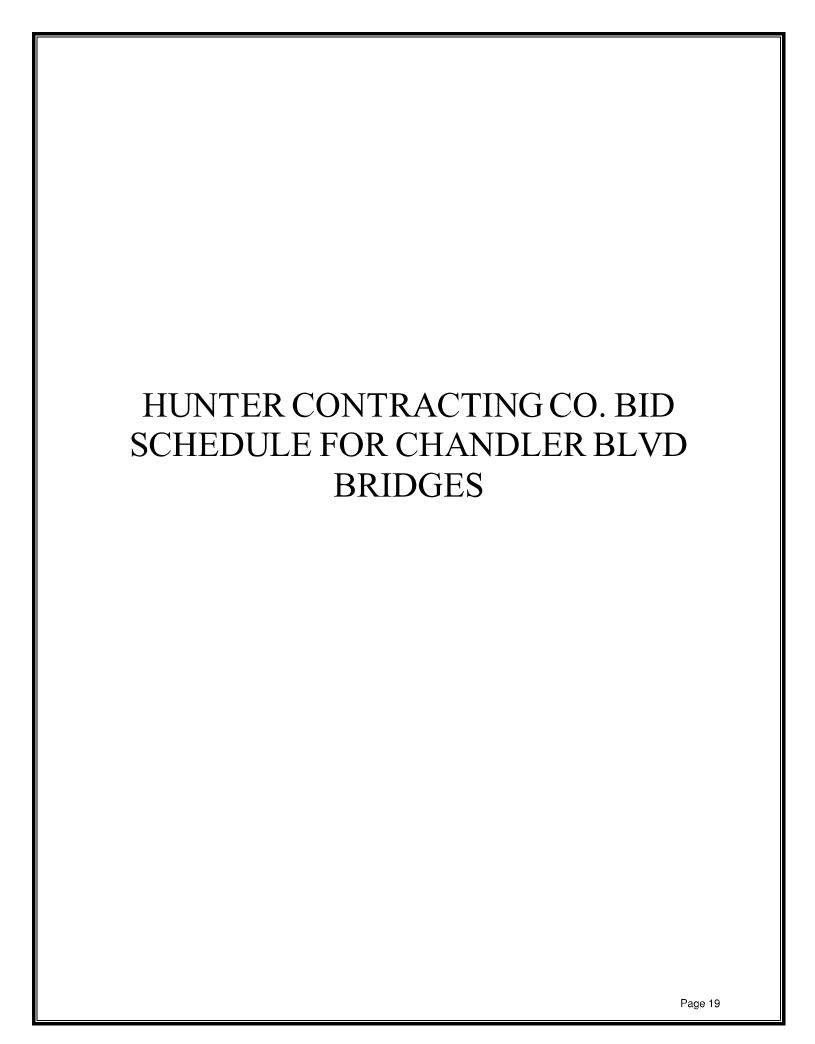
Bid Date	Item #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL I	DISTRICT											
09/25/2009	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H691201C	074 MA 19.5	US 60 TO SR 303L, MP 20 TO MP 22 (EB & WB)	3.2	66.00	300.00	395.00	235.00	335.00
02/18/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H752501C	888 MA 0.0	MAG REGIONAL FREEWAY SYSTEM	0.0	100.00	350.00	300.00	285.00	300.00
02/18/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H752501C	888 MA 0.0	MAG REGIONAL FREEWAY SYSTEM	0.0	38.00	350.00	200.00	170.00	150.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	96.00	300.00	383.74	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	57.00	300.00	533.04	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	47.00	300.00	592.23	.00.	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	19.00	300.00	604.09	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	107.00	300.00	383.78	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	93.00	300.00	480.72	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	26.00	300.00	630.14	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	9.00	300.00	814.98	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	14.00	300.00	687.53	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	127.00	300.00	394.91	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	48.00	300.00	468.03	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	46.00	300.00	601.89	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	328.00	250.00	327.41	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	7.00	300.00	755.69	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	3,384.00	250.00	268.98	.00	.00
07/14/2010	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	419.00	300.00	325.14	.00	.00
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	230.00	300.00	375.00	275.00	377.43
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	288.00	300.00	300.00	275.00	292.88
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	485.00	270.00	250.00	235.00	240.67
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	2,035.00	240.00	175.00	200.00	207.84
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	435.00	275.00	225.00	255.00	257.11
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	1,330.00	260.00	200.00	235.00	213.54
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	125.00	350.00	450.00	550.00	612.35
08/26/2011	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	193.00	300.00	300.00	275.00	285.38
02/17/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787201C	303 MA 105.6	SR303L: THOMAS ROAD TO CAMELBACK ROAD	2.5	387.00	270.00	247.19	270.00	250.00
02/17/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787201C	303 MA 105.6	SR303L: THOMAS ROAD TO CAMELBACK ROAD	2.5	364.00	260.00	206.96	250.00	225.00
02/17/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787201C	303 MA 105.6	SR303L: THOMAS ROAD TO CAMELBACK ROAD	2.5	290.00	270.00	203.82	270.00	260.00
01/18/2013	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787301C	303 MA 107.6	CAMELBACK ROAD TO GLENDALE AVENUE	4.8	722.00	225.00	210.00	194.46	235.00
01/18/2013	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787301C	303 MA 107.6	CAMELBACK ROAD TO GLENDALE AVENUE	4.8	494.00	225.00	215.00	195.50	245.00
03/30/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787401C	303 MA 109.6	GLENDALE AVENUE TO PEORIA AVENUE	3.0	510.00	260.00	165.00	194.78	220.00
03/30/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787401C	303 MA 109.6	GLENDALE AVENUE TO PEORIA AVENUE	3.0	755.00	250.00	155.00	172.99	200.00
03/30/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H787401C	303 MA 109.6	GLENDALE AVENUE TO PEORIA AVENUE	3.0	740.00	250.00	160.00	170.79	197.00
01/12/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H686701C	024 MA 0.0	SR 202L (SANTAN) TO ELLSWORTH RD, PHASE I	3.4	877.00	240.00	290.00	225.00	231.05
01/12/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H686 7 01C	024 MA 0.0	SR 202L (SANTAN) TO ELLSWORTH RD, PHASE I	3.4	458.00	260.00	295.00	240.00	257.88
01/12/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H686701C	024 MA 0.0	SR 202L (SANTAN) TO ELLSWORTH RD, PHASE I	3.4	411.00	270.00	295.00	235.00	270.58
01/12/2012	6010002	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,000)	CU.YD.	H686701C	024 MA 0.0	SR 202L (SANTAN) TO ELLSWORTH RD, PHASE I	3.4	816.00	240.00	290.00	Page3560	218.42

Estimated Engineering Construction Cost

Bid Date	Item #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL I	DISTRICT											
08/28/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART RD	18.0	388.00	20.00	29.00	35.00	30.00
08/28/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART RD	18.0	280.00	20.00	30.00	35.00	30.00
08/28/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART RD	18.0	150.00	20.00	38.00	35.00	30.00
08/28/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART	18.0	280.00	20.00	30.00	35.00	30.00
08/28/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART	18.0	280.00	20.00	30.00	35.00	30.00
08/28/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H729601C	010 MA 126.0	SARIVAL AVE TO DYSART	18.0	890.00	20.00	44.00	50.00	30.00
09/25/2009	2030501	STRUCTURAL EXCAVATION	CU.YD.	H691201C	074 MA 19.5	US 60 TO SR 303L, MP 20 TO MP 22 (EB & WB)	3.2	43.00	15.00	67.00	17.00	120.00
09/16/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H752801C	143 MA 0.9	SR 143 / SKY HARBOR BLVD	2.5	175.00	30.00	65.00	25.00	30.00
09/16/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H752801C	143 MA 0.9	SR 143 / SKY HARBOR BLVD	2.5	178.00	30.00	6.50	50.00	30.00
02/18/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H752501C	888 MA 0.0	MAG REGIONAL FREEWAY SYSTEM	0.0	69.00	25.00	28.00	47.00	60.00
02/18/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H752501C	888 MA 0.0	MAG REGIONAL FREEWAY SYSTEM	0.0	113.00	20.00	40.00	275.00	60.00
02/18/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H752501C	888 MA 0.0	MAG REGIONAL FREEWAY SYSTEM	0.0	195.00	20.00	30.00	44.00	60.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	543.00	10.00	8.39	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	175.00	10.00	10.39	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	210.00	10.00	9.45	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	25.00	10.00	20.18	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO	2.0	55.00	10.00	22.65	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	1,085.00	10.00	8.39	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	11.00	10.00	85.45	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	23,255.00	10.00	8.54	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	571.00	10.00	11.66	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	535.00	10.00	10.77	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	PEORIA AVENUE TO MOUNTAIN VIEW BLVD	2.0	326.00	10.00	7.79	.00	.00
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	2,519.00	8.00	14.00	4.75	18.04
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	1,359.00	10.00	14.00	5.00	5.37
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	4,123.00	10.00	12.00	5.00	4.85
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10	4.7	5,770.00	10.00	11.00	18.00	7.03
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	REALIGNMENT) I-10/303L TI, PHASE I (I-10	4.7	3,185.00	10.00	16.00	50.00	9.00
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	REALIGNMENT) I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	10,115.00	8.00	22.00	19.00	9.00
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10 REALIGNMENT)	4.7	8,685.00	8.00	17.00	16.00	8.03
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	I-10/303L TI, PHASE I (I-10	4.7	3,825.00	8.00	10.00	11.00	10.46
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	REALIGNMENT) I-10/303L TI, PHASE I (I-10	4.7	250.00	15.00	50.00	130.00	13.51
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	REALIGNMENT) I-10/303L TI, PHASE I (I-10	4.7	1,211.00	12.00	7.00	11.00	9.18
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	REALIGNMENT) I-10/303L TI, PHASE I (I-10	4.7	12,925.00	8.00	7.00	8.00	12.04
08/26/2011	2030501	STRUCTURAL EXCAVATION	CU.YD.	H713901C	303 MA 103.0	REALIGNMENT) I-10/303L TI, PHASE I (I-10	4.7	10,140.00	8.00	7.00	8.00	8.48
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	REALIGNMENT) PEORIA AVENUE TO	2.0	212.00	10.00	9.96	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	85.00	10.00	16.34	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	439.00	10.00	9.25	.00	.00
07/14/2010	2030501	STRUCTURAL EXCAVATION	CU.YD.	H787501C	303 MA 112.0	MOUNTAIN VIEW BLVD PEORIA AVENUE TO	2.0	150.00	10.00	12.10	Page 1.70	.00

Estimated Engineering Construction Cost

Bid Date	ltem #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
CENTRAL I	DISTRICT											
01/11/2013	6040001	STRUCTURAL STEEL	LB.	SS71201C	0000 MA CHN	SR 101L AT GALVESTON STREET	0.3	210,330.00	2.10	2.28	3.65	3.82
05/11/2015	6040001	STRUCTURAL STEEL	LB.	H808001C	051 MA 15.0	BLACK MOUNTAIN BLVD RAMPS - SR 51	1.0	69,600.00	5.67	5.76	.00	.00
GLOBE DIS	STRICT	<u> </u>										
01/15/2010	6040001	STRUCTURAL STEEL	LB.	H681801C	060 GI 263.9	RYAN'S WATER - TIMBER MOUNTAIN	14.9	3,450.00	3.00	3.00	4.00	20.00
HOLBROO	I K DISTRIC	DT				MOONTAIN						
06/21/2013	6040001	STRUCTURAL STEEL	LB.	SL52101C	0000 NA NNA	CHEVELON CREEK BRIDGE	0.0	13,450.00	10.00	6.75	8.02	13.07
NORTHCE	I NT DISTR	I IC⊤				(#8158)						
03/24/2017	6040002	STRUCTURAL STEEL (LB.	H879501C	040 CN 179.0	PARKS TI - RIORDAN	12.0	290.00	1.00	18.00	10.00	9.00
11/07/2012	6040001	STRUCTURAL STEEL	LB.	H857401C	015 MO 15.0	VIRGIN RIVER BRIDGE #6	1.0	2,996,185.00	2.27	2.32	.00	.00
01/13/2017	6040001	STRUCTURAL STEEL	LB.	H873401C	040 CN 219.0	(STR #1619) TWIN ARROWS TIUP, STR	1.0	136,500.00	2.50	3.60	3.38	3.05
NORTHEAS	 ST DISTR	 CT				#1363						
	6040001	STRUCTURAL STEEL	LB.	H771601C	040 AP 325.9	NAVAJO, CHAMBERS &	18.0	187,600.00	2.00	2.35	2.01	2.25
02/08/2013	6040001	STRUCTURAL STEEL	LB.	H745301C	040 AP 311.6	QUERINO EB TI UPS PAINTED DESERT TI UP	0.2	303.870.00	2.00	2.15	1.91	1.80
02/08/2013	6040003	STRUCTURAL STEEL (MISC)	LB.	H771601C	040 AP 325.9	#590 NAVAJO, CHAMBERS &	18.0	3,500.00	2.00	5.20	5.29	5.00
		` '				QUERINO EB TI UPS		·				
02/08/2013	6040003	STRUCTURAL STEEL (MISC)	LB.	H771601C	040 AP 325.9	NAVAJO, CHAMBERS & QUERINO EB TI UPS	18.0	1,055.00	2.00	6.20	9.28	5.00
NORTHWE												
	6040002	STRUCTURAL STEEL (LB.	H842001C	040 MO 73.3	PEACOCK & BIG SANDY WASH	2.3	970.00	10.00	5.15	11.00	5.00
10/21/2016	6040002	STRUCTURAL STEEL (LB.	H842001C	040 MO 73.3	PEACOCK & BIG SANDY WASH	2.3	1,440.00	10.00	5.15	11.50	5.00
11/18/2010	6040001	STRUCTURAL STEEL	LB.	H776601C	060 MA 117.8	SAN DOMINGO - WITTMANN	10.9	2,900.00	2.50	3.00	5.50	3.00
01/26/2017	6040002	STRUCTURAL STEEL (LB.	H879901C	040 MO 59.7	DW RANCH ROAD TI UNDERPASS #1249	1.0	100,410.00	3.00	4.00	3.00	4.08
06/22/2012	6040001	STRUCTURAL STEEL	LB.	H821001C	017 YV 251.3	SUNSET POINT RA	0.6	28,600.00	4.15	7.50	3.75	4.40
02/27/2015	6040001	STRUCTURAL STEEL	LB.	H851401C	089 YV 345.1	HELL CANYON BRIDGE	1.3	2,089,140.00	2.00	1.85	2.32	2.28
01/26/2017	6040003	STRUCTURAL STEEL (MISC)	LB.	H879901C	040 MO 59.7	DW RANCH ROAD TI UNDERPASS #1249	1.0	1,200.00	10.00	10.00	12.85	9.00
05/09/2014	6040002	STRUCTURAL STEEL (LB.	H842301C	040 MO 73.2	PEACOCK WASH WB #1251 & BIG SANDY WASH WB #1253	3.6	812.00	31.00	8.85	10.00	2.00
05/09/2014	6040002	STRUCTURAL STEEL (LB.	H842301C	040 MO 73.2	PEACOCK WASH WB #1251 & BIG SANDY WASH WB #1253	3.6	1,203.00	31.00	8.85	9.00	2.00
05/17/2013	6040001	STRUCTURAL STEEL	LB.	H797601C	089 YV 335.9	BIG CHINO WASH BRIDGE #979	0.3	127,870.00	2.50	2.86	3.22	3.47
11/04/2016	6040001	STRUCTURAL STEEL	LB.	H882001C	040 YV 112.5	AUDLEY OVERPASS EB STR #1520 AND WB STR #1521	0.6	168,730.00	2.30	3.20	2.20	3.30
11/04/2016	6040001	STRUCTURAL STEEL	LB.	H882001C	040 YV 112.5	AUDLEY OVERPASS EB STR #1520 AND WB STR #1521	0.6	168,730.00	2.30	3.20	2.20	3.30
PHOENIX [DISTRICT	<u> </u>				77.02.1						
03/05/2010	6040001	STRUCTURAL STEEL	LB.	SS59101C	0000 MA GLN	63RD AVE / LOOP 101	0.4	62,100.00	3.50	2.00	3.00	3.10
05/06/2011	6040001	STRUCTURAL STEEL	LB.	H810 7 01C	017 MA 220.0	MP 220.35 @ CAP	0.0	80,115.00	2.60	2.42	2.70	2.00
05/20/2010	6040001	STRUCTURAL STEEL	LB.	H746501C	017 MA 200.0	I-10 TO INDIAN SCHOOL RD	3.0	12,300.00	5.00	5.00	4.00	2.15
03/05/2010	6040002	STRUCTURAL STEEL (LB.	SS59101C	0000 MA GLN	63RD AVE / LOOP 101	0.4	81,620.00	3.80	1.65	1.80	1.85
SAFFORD	DISTRICT											
	6040002	STRUCTURAL STEEL (LB.	H641701C	191 GE 152.9	GUTHRIE BRIDGE #352	1.2	997,000.00	.40	.46	.77	.60
SOUTHEAS												
05/13/2011	6040001	STRUCTURAL STEEL	LB.	H661401C	070 GI 271.3	SAN CARLOS RIVER BRIDGE #2910	0.4	450.00	70.00	44.00	5.00	18.00
YUMA DIS												
07/24/2009	6040001	STRUCTURAL STEEL	LB.	H705301C	095 YU 23.8	ARIZONA AVE TO YUMA PALMS PKWY	0.7	458,160.00	2.00	1.40	1.69	1.20
											Page 18	



Chandler Boulevard - 27th Ave to 19th Ave Roadway Improvements

City of Phoenix

Street Transportation Department

Project Number: ST85100367 - Amendment 1 to Contract 140977

Submitted by: Hunter Contracting Co.

100% GMP 1 Proposal Summary Sheet

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Project	Project Number: ST85100	35100367-2	Date:	9/16/2016	
Project Title:	Chandler Bou	llevard - 27th Ave to 19th Ave Roadway Improvements	e Roadway Imp	rovements	
CONSTR	CONSTRUCTION SERVICES			AMOUNT	
DIRECT COSTS	OSTS				
Ÿ.	Cost of Construction (Labor, Materials, Equip	Equipment)		\$4,410,154.68	⋖
В.	CMAR's/Design-Builder's Contingency			\$100,000.00	В
	C.	SUBTOTAL	SUBTOTAL DIRECT COSTS	\$4,510,154.68	C = (A + B)
			CALCULATED		
INDIRECT COSTS	COSTS		RATE 1:		
D.	General Conditions (Excluding Bonds and In	and Insurance)	9.35%	\$539,956.56	Ω
Ē.	Payment and Performance Bond ²		%22.0	\$44,696.78	ш
Ľ.	Insurance		1.00%	\$57,785.59	ட
	G. SUBTOTAL GENE	GENERAL CONDITIONS COSTS	11.12%	\$642,438.93	G = D + E + F
	H.	SUBTOTAL DIRECT AND INDIRECT COSTS	IDIRECT COSTS	\$5,152,593.61	H=C+G
	Construction Fee (Overhead & Profit)		2.70%	\$329,096.73	_
	J. SUBTOTAL DIREC	DIRECT AND INDIRECT COSTS (INCLUDING FEE)	NCLUDING FEE)	\$5,481,690.34] + H = C
Υ.	Sales Tax *Note 4			\$295,601.58	¥
		L. GMP (Minus Owner's Contingency) **	ontingency) **	\$5,777,291.92	L = J + K
		M. Owner's Contingency		\$0.00	Σ
		N. Total GMP (Amendment to GMP 1)	it to GMP 1)	\$5,777,291.92	N + T = N
		O. Total Prior GMP's (Design	lgn)	\$1,088,956.78	0
		P. Total Prior Change Orders	ers	\$0.00	Ъ
		Q. Design Services		\$0.00	Ø
		R. Contract Administration Services	Services	\$0.00	œ
		S. Total Contract Amount ³		\$6,866,248.70	S = N + O + P + Q + R

16-Sep-16

Schedule of Values of Hunter Contracting Co. Chandler Boulevard - 27th Ave to 19th Avenue Roadway Improvements

Project Number: ST85100367-2

L	3BE
	Contractor
GMP 1	Total Cost
11-14	Unit Cost
7; -11	Onic
į	ענט
	Description
	Item No.

No g ٧ ٩ No 222 9 S $\stackrel{\mathsf{o}}{\mathsf{Z}}$ $\stackrel{\mathsf{o}}{\mathsf{Z}}$ S $\stackrel{\mathsf{9}}{\mathsf{2}}$ $\stackrel{\circ}{\mathsf{Z}}$ 9 2 2 S Specialty Companies Group Gunn Communications, Inc. Specialty Companies Group Hunter Contracting Co. Hunter Contracting Co Hunter Contracting Co. Hunter Contracting Co. Hunter Contracting Co. 6,272.00 5,195.88 645.00 11.644.40 33,349.91 8,245.35 4,120.43 1,435.58 1,292.28 718.00 480.00 1,600.00 22,943,25 617,716.80 21,739.20 29,324.40 1,205.50 19,265.10 793.00 787,986.08 18.96 645.00 3.25 8 49 0.49 1.68 6.57 6.31 1.32 8.02 160.00 1,164,44 22,943,25 1,284 34 0.48 66,699.82 24.11 33,349.91 359.00 160,00 Subtotal Each ACS Ь SF SF EA EA EA ည С ≿ 上 当 S SΥ 12800 32580 17455 45290 1255 653 979 179 612 244 10 15 50 9 2 က (9" Th Remove Portland Cement Concrete Valley Gutter & Apron Remove Telephone Manhole 4x4x4 (Adjust for size) Remove Asphalt Concrete Pavement w/ Loader T- Post & Rope, installed as delineated on plans Paving Support (Match Paving Production) Remove Existing Sidewalk (4" Thick) Lower Existing Valves Clean-outs Remove Existing Curb & Gutter Public Outreach/Communication Misc Removals & Other Work Remove Type B Barricades Lower Existing Manholes Remove SRP Duct Bank Roadway Fill Construction Remove Misc Debris Import, Place & Compact Remove Swing Gate Site Clearing, Grubbing PIP Saguaro, Tree Precompact Fill Areas Parkway Grading 1613 1.6.10 16.11 16.12 1.6.8 1614 164 165 166 169 162 1.6.3 167 1.6 161 5.

2 Pavement (included in GMP 2)

က	Channel Work						
3.1	Drainage Excavation	3873	СУ	13.57	52,556.61	52,556.61 Hunter Contracting Co.	N _o
3.2	Gabions	807	СУ	156.81	126,550.86		No
3.2.1	Gabions - Excavate	2220	СУ	6.92	15,362.40	15,362.40 Hunter Contracting Co.	N _o
3.2.2	Install Gabions	807	CY	130.00	104,910.00	104,910.00 Specialty Companies Group	No
323	Gabions - Backfill	1614	СУ	3.89	6,278.46	6,278.46 Hunter Contracting Co.	No
3.3	Gabion Mattress	54	SY	90.66	4,895.71		No
331	Gabion Matress - Excavate	18	СУ	6.92	124.56	Hunter Contracting Co.	No
332	Install Gabion Matress	54	SY	75.00	4,050.00	4,050.00 Specialty Companies Group	No
333	Gabion Matress - Backfill	5	Cλ	144.23	721.15	721.15 Hunter Contracting Co.	%
3.4	Rip-Rap D50=6"	573	CY	134.28	76,944.77		No
341	Dumped Rip Rap - Excavate	573	СУ	27.51	15,763.23	15,763.23 Hunter Contracting Co.	No
342	Grade for Rip Rap	17971 95	SF	1.30	23,363.54	23,363.54 Hunter Contracting Co.	No
343	Install Rip Rap D50=6"	573	СУ	00.99	37,818.00	37,818.00 Specialty Companies Group	No
3.5	Grouted, Dumped Riprap 12"	18	CY	198.24	3,568.32	3,568.32 Hunter Contracting Co.	No
3.6	Handrail per Detl P1173 w/ Mag Type 4 Foundation	402	LF	46.50	18,693.00	18,693.00 Specialty Companies Group	No

SBE No 2 2 2 2 2 2 No S ٩ ટ ô 2 2 ٩ S ŝ 2 g ဍ 운 16-Sep-16 7,652.50 Hunter Contracting a 69.22 Hunter Contracting Co. 72,317.70 Hunter Contracting Co. Hunter Contracting Co. Hunter Contracting Co. 101,734.36 Hunter Contracting Co. Hunter Contracting Co. 17,128.44 Hunter Contracting Co. Hunter Contracting Co. Kimbrell Electric, Inc. Kimbrell Electric, Inc. 4,991.00 Kimbrell Electric, Inc. Contractor 17,028.00 Kimbrell Electric, Inc. 2,952.00 Kimbrell Electric, Inc. Gerdau 182.96 3,515.91 41,631.66 59,148.00 5,616.00 16,622.92 7,463.20 3,908.16 2,644.35 13,410.06 29,057.78 6,428.28 79,924.73 2,310.72 84,099.50 198,252.13 89,735.00 **Total Cost** GMP 1 11.70 7.19 3.64 264.46 991.23 161.00 6.64 516.00 2,854 74 3,826.25 22.87 18.88 4.91 31.11 42.17 274.13 1,908.00 2,808.00 1,476.00 4,155.73 6,428.28 **Unit Cost** Subtotal Subtotal Subtotal Unit Ы 느 ΕÞ ΕÞ ΕĄ EA EA EA ΕĄ SF Ŗ SF 유 \sim ΕĄ ჯ 27949 6181 1520 318 318 Qty 489 85 348 106 207 33 42 ∞ 31 α 31 N 9 4 2 Concrete Catch Basin, Type "M-1, L=17-Ft", Phx. Supp. Detail P-1569-Furnish and Install Street Light Per C.O.P. Street Lighting Procedures, Concrete Catch Basin, Type "M-1, L=6-Ft" Phx. Supp. Detail P-1569-1 Combined Concrete Curb and Gutter, Std. Detail 220, Type "A", H=6" Standards and Specifications Manual, latest edition. SRP Direct Bury Concrete Mountable Curb and Gutter, Standard Detail 220, Type "E" Furnish and Install Parapet Mounted Street Light Per C.O.P. Street Lighting Procedures, Standards and Specifications Manual, latest Headwall For 24" Pipe, MAG Standard Details 501-1 And 501-2 Headwall For 18" Pipe, MAG Standard Details 501-1 And 501-2 Chandler Boulevard - 27th Ave to 19th Avenue Roadway Improvements Curb Transition, MAG Std. Dtl. 220-2 Type E to A (4lf/ea) Concrete Sidewalk, Std. Detail P-1230 Modified 9" Thick Storm Drain - Pipe, Catch Basins, & Headwalls Concrete Driveway Entrance, Std. Detail P-1255-1 Concrete Sidewalk with Parapet - Rebar Sidewalks, Sidewalk Ramps & Driveways Description Concrete Valley Gutter, Std. Detail 240 Concrete Sidewalk, Std. Detail P-1230 Junction Box Parapet Mounted, Install Schedule of Values of Hunter Contracting Co. Curb & Gutter and Valley Gutter Street and Pedestrian Lighting Concrete Sidewalk with Parapet edition. SRP Direct Bury Pole L.E.D. Street Light Fixture Striping - By City of Phx Signage - By City of Phx Parapet Footing Project Number: ST85100367-2 Junction Box, Install **Truncated Domes** Parapet Wall Item No. 552 553 551 5.5 4 5.4 8.5 43 5.3 4.2 4 5.2 8. 8.2 8.3 8.4 9.2 9.3 9.4 5.1 9.1 2 ဖ œ O ^

23,861.86 Hunter Contracting Co 23 11,195.64 Hunter Contracting Co. 4,111 72 Hunter Contracting Co Hunter Contracting Co. Hunter Contracting Co. Sun Valley Landscape Sun Valley Landscape 11,149.50 Hunter Contracting Co. Sun Valley Landscape Sun Valley Landscape Hunter Contracting Co. 10,000.00 Hunter Contracting Co. 14,894 14 Hunter Contracting Co. 17,498.80 Sun Valley Landscape Sun Valley Landscape Sun Valley Landscape Contractor B&F Contracting Inc. 11,949.60 B&F Contracting Inc. 268,415.70 B&F Contracting Inc. B&F Contracting Inc. B&F Contracting Inc. Gerdau 2,370.00 5,989.90 12,127.64 28,255.05 29,653.00 1,200.00 175.00 10,013.85 87,564.47 20,113.50 45,054.40 6,000.00 28,318.20 227,959.60 750.00 50,536.50 63,344.50 70,405.99 26,763.85 348,605.20 2,493.90 161,405.56 98,760.11 **Total Cost** GMP 1 433.13 43.75 65.40 50.30 0.75 134.09 75.50 855.70 10,013.85 14,894.14 0.527500 0.067444 2,169.26 4,111.72 ,185 00 2,815.90 2,987 40 4,268.00 300.00 0.37 750.00 500.00 10,000.00 240.65 29,653.00 0.594944 1,278.17 **Unit Cost** Subtotal Subtotal Subtotal Subtotal Uni**t** EA EA ΕA EA ΕĄ S E E E E LD LS EA ΕĄ ГB В ГВ ζ EA ᅬ EA EA 占 165999 76365 165999 165999 14866 4532 210 210 150 433 839 Qty 28 2 16 4 7 တ 4 4 4 Headwall For Double 24" Pipe, MAG Standard Details 501-1 And 501-2 Chandler Boulevard - 27th Ave to 19th Avenue Roadway Improvements Decomposed Granite, 3/4" Minus For General Landscape SD Manhole, MAG 522 / COP Detail P-1520 (Shallow) Storm Sewer Access Barrier, Standard Detail P-1563 Restrain Existing 12" Waterline at 19th Ave Bridge

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No 9

Cathodic Protection (48" and 12" Waterlines)

Delivery Plant Salvage Allowance

Relocate Waterlines

48" DIP Waterline 12" DIP Waterline

12.1 12.2 12.3

12

Landscape Establishment

Establishment Nursey

11.1 11.2 11.3 11.4

7

Nursey Maintenance

Replant Allowance

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SBE

Description

Item No.

9.5

9.6

9.7

Schedule of Values of Hunter Contracting Co.

Project Number: ST85100367-2

16-Sep-16

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SD Manhole, MAG 522 / COP Detail P-1520

9.15

24" X 24" X 18" Prefabricated Tee 18" X 18" X 18" Prefabricated Tee

Pipe Plug Mag 427

9.12 9.13 9.14

9 11

9

18" Catch Basin Connector Pipe

8.6 6.6

18" Storm Sewer Pipe 24" Storm Sewer Pipe Hydroseed, Type "A", General Use

Landscaping

Salvage Trees ~ 556 Caliper Inch

Salvage Saguaro

10.2 10.3

101

9

Salvage Small Cactus

Restore Landscaping

10.6

10.4

Structural Concrete (Class S) (F'c = 3,500)

Reinforcing Steel hoisting

13.2.2 13.2.1

13.3

Reinforcing Steel

Reinforcing Steel - Material & Hoisting

Site Work for Bridge

13.1 13.2

73

Bridge 27th Ave

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Schedule of Values of Hunter Contracting Co. Chandler Boulevard - 27th Ave to 19th Avenue Roadway Improvements Project Number: ST85100367-2

Item No.	Description	Qty	Unit	Unit Cost	GMP 1 Total Cost	Contractor	SBE
13.4	Structural Concrete (fc = 4,500)	643	СУ	20.925	370,400.15		No
13.4a	Structural Concrete (fc = 4500)	643	СУ	389.817963	250,652.95	250,652.95 Hunter Contracting Co.	
13.4.2.5.1	Deck shoring Mob	1	EA	1,750.00	1,750.00	1,750.00 Action Equipment	N _o
134252	Deck shoring Set up/Take down	9640	SF	11.381328	109,716.00	109,716.00 Action Equipment	No
134253	Deck shoring - Extra Days	15	DY	552.08	8,281.20	8,281.20 Action Equipment	No
13.5	Drilled Shaft Caissons 3' Ø x 50'	1124	LF	205.27	230,718.74		No
13 5 1	Drilled Shaft Caisson Sub - Mob	1	EA	22,000.00	22,000.00	22,000.00 Case Foundation	No
13.5.2	Drilled Shaft Caisson Sub - 3'-0"	1124	LF	150.00	168,600.00	168,600.00 Case Foundation	No
1353	Drilled Shaft Rebar	1124	님	29.38	33,023.12 Gerdau	Gerdau	No
13.5.4	Driller Support	1124	LF	6.31	7,095.62	Hunter Contracting Co.	No
13.6	Approach Slab (Adot Sd 2.01)	2350	SF	15.64	36,755.47		No
1361	Approach Slab Rebar	2350	SF	4.06	9,541.00 Gerdau	Gerdau	No
13.6.2	Approach Slab	87	СУ	312.81	27,214.47	27,214.47 Hunter Contracting Co.	No
13.7	Combination Pedestrian-Traffic Bridge Railing SD 1.04	303	LF	261.18	79,138.55		No
13.7.1	Combination Pedestrian-Traffic Bridge Railing - Rebar	303	LF	15.68	4,751.04 Gerdau	Gerdau	No
1372-3	Bridge Parapet Wall and Sidewalk	58	СУ	746.96	43,323.95	43,323.95 Hunter Contracting Co.	No
1374	Std Steel Railing	303	LF	102.52	31,063.56	Specialty Companies	No
13.8	Paint Bridge - Bridge 27th Ave	1	LS	5,746.00	5,746.00	5,746.00 Serrano Painting	Yes
				Subtotal	860,275.02		i

4	Bridge 19th Ave						
14.1	Site Work for Bridge	1	EA	17,528.57	17,528.57	17,528.57 Hunter Contracting Co.	No
14.2	Reinforcing Steel - Material & Hoisting	168109	ГВ	0.5650587	94,991.46		
14.2.1	Reinforcing Steel Bridge 19th Ave	168109	ГВ	0.5284000	88,828.80	Gerdau	9 N
14.2.2	Reinforcing Steel hoisting	168109	FB	0.0366587	6,162.66	Hunter Contracting Co.	Š
14.3	Structural Concrete (Class S) (F'c = 3,500)	18	չ	1,888.42	33,991.56	Hunter Contracting Co.	Š
14.4	Structural Concrete (fc = 4,500)	647	СУ	269.00	368,143.00		9 N
14.4a	Structural Concrete (fc = 4500)	647	≿	388,185781	251,156.20	Hunter Contracting Co.	
144251	Deck shoring Mob	1	EA	1,750.00	1,750.00	1,750.00 Action Equipment	οN
144252	Deck shoring Set up/Take down	9640	SF	11.381328	109,716.00	109,716.00 Action Equipment	٩
144253	Deck shoring - Extra Days	10	DY	552.08	5,520.80	Action Equipment	9 N
14.5	Drilled Shaft Caissons 3' Ø x 50'	1122	4	207.64	232,973.03		9 8
14 5 1	Drilled Shaft Caisson Sub - Mob	1	EA	22,000.00	22,000.00	22,000 00 Case Foundation	No
14 5 2	Drilled Shaft Caisson Sub - 3'-0"	1122	LF	150.00	168,300.00	168,300.00 Case Foundation	No
14 5 3	Drilled Shaft Rebar	1122	LF	29.38	32,964.36	Gerdau	No
14 5 4	Driller Support	1122	LF	8.65	9,708,67	Hunter Contracting Co.	No
14.6	Approach Slab (Adot Sd 2.01)	2350	SF	16.82	39,538,45		No
1461	Approach Slab Rebar	2350	SF	4.06	9,541.00 Gerdau	Gerdau	No
1462	Approach Slab	105	СУ	285.69	29,997.45	Hunter Contracting Co.	No
14.7	Combination Pedestrian-Traffic Bridge Railing SD 1.04	303	LF	261 18	79,138.55		No
1471	Combination Pedestrian-Traffic Bridge Railing - Rebar	303	LF	15.68	4,751.04 Gerdau	Gerdau Page 24	No
14.7.23	Bridge Parapet Wall and Sidewalk	58	СУ	746.96	43,323.95	Hunter Contracting Co.	8

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Schedule	Schedule of Values of Hunter Contracting Co.					16-Sep-16	
Chandler	Chandler Boulevard - 27th Ave to 19th Avenue Roadway Improvements						
Project No	Project Number: ST85100367-2						
Ifem No.	Description	Qty	Unit	Unit Unit Cost	GMP 1 Total Cost	Contractor	SBE
14 7 4	Std Steel Railing	303	H	102.52	31,063.56	31,063.56 Specialty Companies	9 N
14.8	Paint Bridge - Bridge 19th Ave	_	S	5,746.00	5,746.00	5,746.00 Serrano Painting	Yes
				Subtotal	872,050.61		

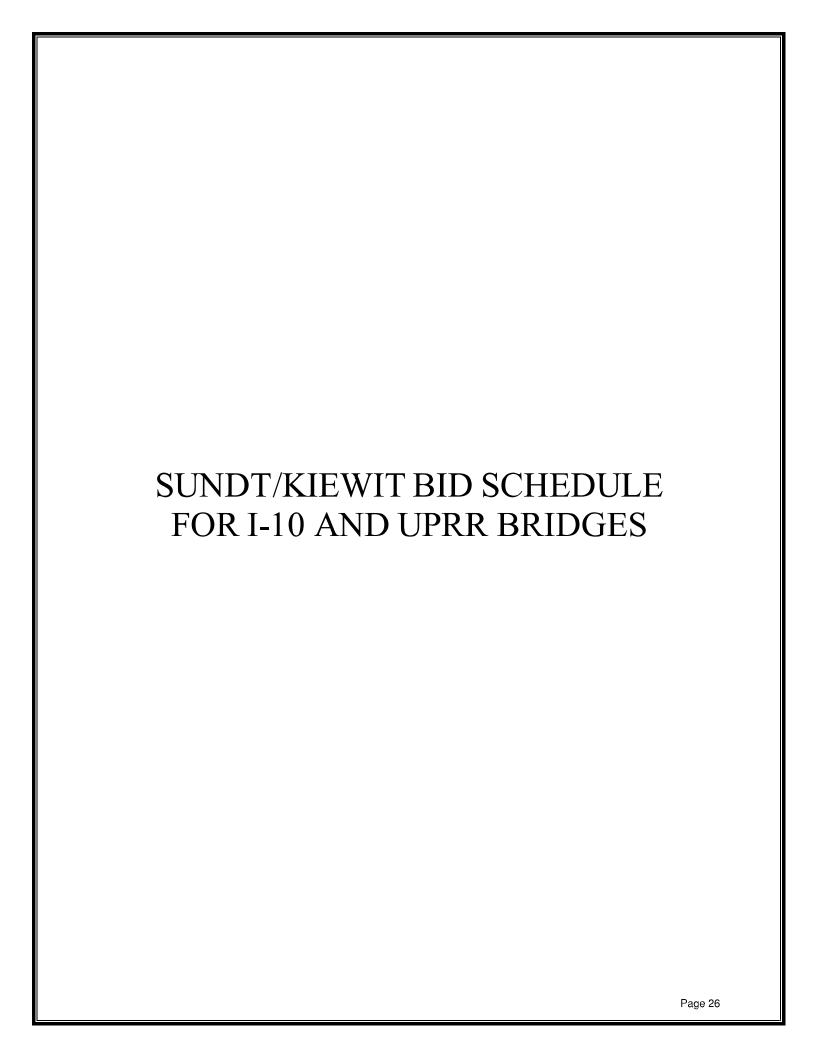
15	General Requirements						
15.1	Mobilization	1	ST	104,529.22	104,529.22 H	104,529.22 Hunter Contracting Co.	No
15.2	Survey (Bridges only)	1	ST	•	•		
15.3	Service	10	MO	4,969.85	49,698.50 H	49,698.50 Hunter Contracting Co.	No
15.4	Security	10	MO	450.00	4,500.00 H	4,500.00 Hunter Contracting Co.	8
15.5	SWPPP	1	ST	38,007.80	38,007.80 H	38,007.80 Hunter Contracting Co.	N _o
15.6	Traffic Control	1	ST	13,800.02	13,800.02		οN
1561-4	Traffic Control	1	ST	11,840.02	11,840.02 RoadSafe	toadSafe	No
15.6.5	Off-Duty Officers	5	DY	392.00	1,960.00 H	1,960.00 Hunter Contracting Co.	No
15.7	Construction Water	10	MO	4,857.73	48,577.30 H	48,577.30 Hunter Contracting Co.	No
15.8	Dust Control Water Truck	10	MO	7,242.84	72,428.40 H	72,428.40 Hunter Contracting Co.	No
				Subtotal	331,541.24		

A. Cost of Construction \$\\$

17	DB Team Contingency						
17.1	Contractor Contingency	1	ST	100,000,001	100,000.00	Hunter Contracting Co.	%
17.2	Scope Gap	1	ST	-			

100,000.00

B. CM@Risk's Contingency \$



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ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION CONTRACTS AND SPECIFICATIONS SECTION

BID SCHEDULE

Submitted by SUNDT/KIEWIT, A JOINT VENTURE

CONTRACT # 2014074

TRACS No.	Project No.	Item	County	District	Gross Length Net Length	Net Length	Prepared By:
0000 PM MRN SB41301C	BR MRN-0(014)A	LOCAL	PIMA	TUCSON	0		Howard Sara
010 PM 248 H847901C	010-D-(216)S	10208	PIMA	SOUTHCENT	1.1		Howard Sara
Highway Termini	ermini		Location	ion		Work Description	cription
• TOWN OF MARANA		• SILVER	• SILVERBELL TO STARCOMMERCE	COMMERCE	• NEW FAC BRIDGES	CILITIES-CONS	NEW FACILITIES-CONSTRUCTION OF NEW BRIDGES
• CASA GRANDE - TUCSON HWY, I-10	и НWY, I-10	• INA RD TI	Ξ		•CAPACIT	'Y ADDITIONS	·CAPACITY ADDITIONS-RECONSTRUCTION

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0000 PM MRN SB41301C, 010 PM 248 H847901C

STAGODA STAGODA <t< th=""><th>Item No.</th><th>Item Description</th><th>Unit</th><th>Quantity</th><th>Unit Price</th><th>Extended Amount</th></t<>	Item No.	Item Description	Unit	Quantity	Unit Price	Extended Amount
STRUCTURAL EXCAVATION CU.YD. 205 \$12.00 STRUCTURAL EXCAVATION CU.YD. 1,299 \$25.00 STRUCTURAL CONCRETE (CLASS S) (F'C = 4,000) CU.YD. 1,299 \$669.00 \$1, STRUCTURAL CONCRETE (CLASS S) (F'C = 4,000) CU.YD. 1,375 \$555.00 \$1, STRUCTURAL CONCRETE (CLASS S) (F'C = 4,000) CU.YD. 1,375 \$655.00 \$1, COMBINATION PEDESTRIAN-TRAFIC BRIDGE RAILING L.FT. 686 \$435.00 \$1, WIFENCE WIFENCE S.G.T. 6,789 \$16.50 \$1, DECK JOINT ASSEMBLY (STRIP SEAL JOINT) L.FT. 6,789 \$16.50 \$1, APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$1, APPROACH SLAB (SD 2.03) SQ.FT. 4,260 \$251.00 \$1, RECAST, PIS MEMBER (AASHTO TYPE SUPER 6 L.FT. 4,260 \$255.00 \$1, RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION) EACH 564,651 \$5.00 \$2, RELECTRICAL CONDUIT (2-3") (PVC) L.FT. 1,320 \$5.00 <td>STR #20094 I-</td> <td>-10 OVERPASS</td> <td></td> <td></td> <td></td> <td></td>	STR #20094 I-	-10 OVERPASS				
STRUCTURE BACKFILL CU.YD. 141 \$25.00 STRUCTURE CLASS S) (FC = 3,500) CU.YD. 1,299 \$889.00 \$1, STRUCTURAL CONCRETE (CLASS S) (FC = 4,500) CU.YD. 1,375 \$5895.00 \$1, STRUCTURAL CONCRETE (CLASS S) (FC = 4,500) CU.YD. 1,375 \$5895.00 \$1, COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING L.FT. 6,789 \$435.00 \$1, COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING L.FT. 6,789 \$16.50 \$1, APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$1, APPROACH SLAB (SD 2.01) SQ.FT. 4,260 \$16.50 \$1, APPROACH SLAB (SD 2.03) SQ.FT. 4,260 \$10.00 \$1, APPROACH SLAB (TYPE 2) (SD 2.03) SQ.FT. 4,260 \$2551.00 \$1, RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 564.861 \$50.00 \$1, REINFORCING STEEL L.FT. 1,320 \$5.00 \$1, ELECTRICAL CONDUIT (2-3") (PVC) L.FT. \$60.00 \$9.00	2030501 E	STRUCTURAL EXCAVATION	CU.YD.	205	\$12.00	\$2,460.00
STRUCTURAL CONCRETE (CLASS S) (FC = 3.500) CU.YD. 1,299 \$889.00 \$1. STRUCTURAL CONCRETE (CLASS S) (FC = 4.000) CU.YD. 1,375 \$333.00 \$3 STRUCTURAL CONCRETE (CLASS S) (FC = 4.500) CU.YD. 1,375 \$696.00 \$1 COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING L.FT. 586 \$435.00 \$2 WYENCE BDECK JOINT ASSEMBLY (STRIP SEAL JOINT) L.FT. 6,789 \$16.50 \$1 APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$1 ANCHOR SLAB (SD 2.03) SQ.FT. 4,260 \$251.00 \$1 ARCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 4,260 \$2551.00 \$1 RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$106.00 \$1 REINFORCING STEEL L.FT. 1,320 \$5.00 \$2.00 \$2.00 ELECTRICAL CONDUIT (2") (PVC) L.FT. 580 \$9.00 \$1. \$1.	2030506 E	STRUCTURE BACKFILL	CU.YD.	141	\$25.00	\$3,525.00
STRUCTURAL CONCRETE (CLASS S) (FC = 4,000) CU.YD. 1,375 \$333.00 \$ \$ \$ \$ \$ \$	6010003 E	O	CU.YD.	1,299	\$869.00	\$1,128,831.00
STRUCTURAL CONCRETE (CLASS S) (FC = 4,500) CU.YD. 1,375 \$5895.00 \$ COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING L.FT. 686 \$435.00 \$ W/FENCE DECK JOINT ASSEMBLY (STRIP SEAL JOINT) L.FT. 164 \$245.00 \$ APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 4,260 \$18.75 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) L.FT. 4,260 \$251.00 \$1,7 PRECAST, PIS MEMBER (AASHTO TYPE SUPER 6 L.FT. 4,260 \$205.00 \$1,7 RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$205.00 \$1,7 REINFORCING STEEL L.FT. 1,320 \$5.00 \$1,7 ELECTRICAL CONDUIT (2-3") (PVC) L.FT. 580 \$2.00 ELECTRICAL CONDUIT (2-3") (PVC) L.FT. 580 \$2.00	6010004 E	<u>"</u>	CU.YD.	33	\$333.00	\$10,989.00
COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING L.FT. 586 \$435.00 \$ W/FENCE DECK JOINT ASSEMBLY (STRIP SEAL JOINT) L.FT. 164 \$245.00 \$ APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 4,260 \$251.00 \$1 PRECAST, P/S MEMBER (AASHTO TYPE SUPER 6 GIRDER) EACH 56 \$106.00 \$1 RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$205.00 \$1 REINFORCING STEEL L.FT. 1,320 \$5.00 \$5.00 ELECTRICAL CONDUIT (2") (PVC) L.FT. 1,520 \$9.00 F	6010005 E	STRUCTURAL CONCRETE (CLASS S) (F'C = 4,500)	CU.YD.	1,375	\$595.00	\$818,125.00
DECK JOINT ASSEMBLY (STRIP SEAL JOINT) L.FT. 164 \$245.00 APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$ PRECAST, P/S MEMBER (AASHTO TYPE SUPER 6 L.FT. 4,260 \$251.00 \$1,1 RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$106.00 \$1,1 RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION) EACH 564,651 \$5.83 \$5.00 REINFORCING STEEL L.FT. 1,320 \$5.00 \$5.00 ELECTRICAL CONDUIT (2-3") (PVC) L.FT. 580 \$9.00 \$9.00	6011115 E	COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING W/FENCE	L.FT.	586	\$435.00	\$254,910.00
APPROACH SLAB (SD 2.01) SQ.FT. 6,789 \$16.50 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$ ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$ PRECAST, P/S MEMBER (AASHTO TYPE SUPER 6 ISRDER) EACH 4,260 \$106.00 \$1,106.00 RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$205.00 \$1,106.00 REINFORCING STEEL L.FT. 1,320 \$5.00 \$5.00 ELECTRICAL CONDUIT (2") (PVC) L.FT. 580 \$9.00	6011345 E	DECK JOINT ASSEMBLY (STRIP SEAL JOINT)	L.FT.	164	\$245.00	\$40,180.00
ANCHOR SLAB (TYPE 2) (SD 2.03) SQ.FT. 3,158 \$18.75 \$18.75 PRECAST, P/S MEMBER (AASHTO TYPE SUPER 6 GIRDER) L.FT. 4,260 \$251.00 \$1,06.00 RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$106.00 \$1,06.00 RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION) EACH 564,651 \$205.00 \$205.00 REINFORCING STEEL L.FT. 1,320 \$5.00 \$5.00 ELECTRICAL CONDUIT (2") (PVC) L.FT. 580 \$9.00 F	6011371 E	APPROACH SLAB (SD 2.01)	SQ.FT.	6,789	\$16.50	\$112,018.50
PRECAST, P/S MEMBER (AASHTO TYPE SUPER 6 GIRDER) L.FT. 4,260 \$1.00 \$251.00 \$1,00 GIRDER) EACH 56 \$106.00 \$1,00 \$1,00 RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION) EACH 56 \$205.00 \$205.00 REINFORCING STEEL L.FT. 1,320 \$5.00 \$5.00 ELECTRICAL CONDUIT (2-3") (PVC) L.FT. 580 \$9.00	6011373 E	ANCHOR SLAB (TYPE 2) (SD 2.03)	SQ.FT.	3,158	\$18.75	\$59,212.50
RESTRAINERS, VERTICAL EARTHQUAKE (FIXED) EACH 56 \$106.00 RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION) EACH 564,651 \$205.00 REINFORCING STEEL LB. 564,651 \$.83 \$ ELECTRICAL CONDUIT (2") (PVC) L.FT. 1,320 \$5.00 \$ ELECTRICAL CONDUIT (2 - 3") (PVC) L.FT. 580 \$9.00 \$	6014973 E		L.FT.	4,260	\$251.00	\$1,069,260.00
RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION)EACH564,651\$205.00REINFORCING STEELLB.564,651\$.83\$.ELECTRICAL CONDUIT (2") (PVC)L.FT.1,320\$5.00ELECTRICAL CONDUIT (2 - 3") (PVC)L.FT.580\$9.00	6015101 E	RESTRAINERS, VERTICAL EARTHQUAKE (FIXED)	ЕАСН	56	\$106.00	\$5,936.00
REINFORCING STEEL LB. 564,651 \$.83 ELECTRICAL CONDUIT (2") (PVC) L.FT. 1,320 \$5.00 ELECTRICAL CONDUIT (2 - 3") (PVC) L.FT. 580 \$9.00	6015102 E	RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION)	ЕАСН	56	\$205.00	\$11,480.00
ELECTRICAL CONDUIT (2") (PVC) L.FT. 1,320 \$5.00 ELECTRICAL CONDUIT (2 - 3") (PVC) L.FT. 580 \$9.00	6050002 E	REINFORCING STEEL	LB.	564,651	\$.83	\$468,660.33
ELECTRICAL CONDUIT (2 - 3") (PVC) L.FT. 580 \$9.00	7320050 E	ELECTRICAL CONDUIT (2") (PVC)	L.FT.	1,320	\$5.00	\$6,600.00
	7320073 E	ELECTRICAL CONDUIT (2 - 3") (PVC)	L.FT.	280	\$9.00	\$5,220.00 Page 28

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Item No.	Item Description	Unit	Quantity	Unit Price	Extended Amount
STR #20094 I-	STR #20094 I-10 OVERPASS				
7320090 E	7320090 E ELECTRICAL CONDUIT (4") (PVC)	L.FT.	505	\$9.00	\$4,545.00
7320110 E	7320110 E ELECTRICAL CONDUIT (1") (RIGID METAL)	L.FT.	270	\$17.00	\$4,590.00
7320470 E	7320470 E BRIDGE JUNCTION BOX (CAST METAL)	ЕАСН	4	\$1,370.00	\$5,480.00
7320475 E	7320475 E JUNCTION BOX (TYPE I)	EACH	5	\$900.00	\$4,500.00

STR #20094 I-10 OVERPASS

6090060 F	6090060 F DRILLED SHAFT FOUNDATION (60")	L.FT.	870	\$542.00	\$471,540.00
6090072 F	6090072 F DRILLED SHAFT FOUNDATION (72")	L.FT.	423	\$680.00	\$287,640.00

\$4,016,522.33

STR #20094 I-10 OVERPASS:

Total STR #20094 I-10 OVERPASS (E & F) :

STR #20094 I-10 OVERPASS:

\$4,775,702.33

\$759,180.00

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Item No.	Item Description	Unit	Quantity	Unit Price	Extended Amount
STR #20095 L	STR #20095 UPRR OVERPASS				
2030501 G	STRUCTURAL EXCAVATION	CU.YD.	06	\$12.00	\$1,080.00
2030506 G	STRUCTURE BACKFILL	CU.YD.	09	\$25.00	\$1,500.00
6010003 G	STRUCTURAL CONCRETE (CLASS S) (F'C = 3,500)	CU.YD.	1,490	\$668.00	\$995,320.00
6010004 G	STRUCTURAL CONCRETE (CLASS S) (F'C = 4,000)	CU.YD.	109	\$380.00	\$41,420.00
6010005 G	STRUCTURAL CONCRETE (CLASS S) (F'C = 4,500)	CU.YD.	2,059	\$640.00	\$1,317,760.00
6011115 G	COMBINATION PEDESTRIAN-TRAFFIC BRIDGE RAILING W/FENCE	L.FT.	672	\$455.00	\$305,760.00
6011345 G	DECK JOINT ASSEMBLY (STRIP SEAL JOINT)	L.FT.	199	\$254.00	\$50,546.00
6011371 G	APPROACH SLAB (SD 2.01)	SQ.FT.	5,058	\$19.50	\$98,631.00
6014952 G	PRECAST, P/S MEMBER (AASHTO TYPE 4 GIRDER)	L.FT.	2,562	\$220.00	\$563,640.00
6014973 G	PRECAST, P/S MEMBER (AASHTO TYPE SUPER 6 MODIFIED)	L.FT.	3,087	\$227.00	\$700,749.00
6015101 G	RESTRAINERS, VERTICAL EARTHQUAKE (FIXED)	ЕАСН	54	\$106.00	\$5,724.00
6015102 G	RESTRAINERS, VERTICAL EARTHQUAKE (EXPANSION)	EACH	36	\$205.00	\$7,380.00
6050002 G	REINFORCING STEEL	LB.	006'069	\$.83	\$573,447.00
7320050 G	ELECTRICAL CONDUIT (2") (PVC)	L.FT.	520	\$5.00	\$2,600.00
7320070 G	ELECTRICAL CONDUIT (3") (PVC)	L.FT.	35	\$8.00	\$280.00 Page 30

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Extended Amou
Unit Price
Quantity
Unit
Item Description
No.

Item No.	Item Description	Unit	Quantity	Unit Price	Extended Amount
STR #20095 L	STR #20095 UPRR OVERPASS				
7320475 G	7320475 G JUNCTION BOX (TYPE I)	ЕАСН	2	00'006\$	\$1,800.00

\$686,080.00 \$714,480.00 \$687.00 \$536.00 1,280 1,040 H LFT 6090060 H DRILLED SHAFT FOUNDATION (60") DRILLED SHAFT FOUNDATION (72") STR #20095 UPRR OVERPASS 6090072 H

STR #20095 UPRR OVERPASS:

\$1,400,560.00

\$4,667,637.00

STR #20095 UPRR OVERPASS:

