



**ENGINEER'S ESTIMATE TT0600 - Northern Parkway: Agua Fria River to 99th Avenue Scoping Assessment
Final Scoping Stage**

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	EXTENDED AMOUNT
201.01012	Remove Tree, Diameter > 12 in	Each	4	\$1,000.00	\$4,000.00
205.01150	Roadway Excavation	CY	54,320	\$10.00	\$543,200.00
212.01000	Roadway Obliteration	SY	1,811	\$5.00	\$9,055.00
215.01510	Earthwork for Retention Basins	CY	18,246	\$8.00	\$145,968.00
220.10150	Riprap, D50=6 in	CY	35	\$80.00	\$2,800.00
220.10225	Riprap, D50=9 in	CY	7	\$95.00	\$665.00
301.01000	Subgrade Preparation	SY	125,975	\$4.00	\$503,900.00
310.03100	Aggregate Base Course, 4 in Thick	Ton	148	\$45.00	\$6,660.00
310.03200	Aggregate Base Course, 8 in Thick	Ton	1,034	\$45.00	\$46,530.00
310.03255	Aggregate Base Course, 10 in Thick	Ton	64,211	\$45.00	\$2,889,495.00
310.03285	Aggregate Base Course, 12 in Thick	Ton	2,466	\$45.00	\$110,970.00
321.01202	Asphalt Concrete Pavement (Superpave 1/2 in Mix, High Traffic)	Ton	77,450	\$50.00	\$3,872,500.00
324.01080	Portland Cement Concrete Pavement (PCCP) 8 in Thick	SY	664	\$70.00	\$46,480.00
325.10375	ARAC Pavement, High Traffic	Ton	6,629	\$110.00	\$729,190.00
329.01000	Bituminous Tack Coat SS-1h, Diluted	Ton	41	\$800.00	\$32,800.00
340.01110	Vertical Curb & Gutter, Type A, H=6 in, MAG Det 220	LF	24,176	\$20.00	\$483,520.00
340.01150	Single Curb, Type A, MAG Det 222	LF	22,690	\$16.00	\$363,040.00
340.01181	Concrete Curb & Gutter, Type C, H=3 in, ADOT C-05.10	LF	4,765	\$20.00	\$95,300.00
340.01190	Concrete Curb & Gutter Type 2 Transition, ADOT C-05.12	LF	64	\$30.00	\$1,920.00
340.01210	Concrete Sidewalk, MAG Det 230	SF	108,391	\$8.00	\$867,128.00
340.01349	Radial Parallel Curb Ramp, MAG Det 236-5	Each	4	\$2,500.00	\$10,000.00
340.01390	Curb Ramp, Modified MAG Det 237-1, Attached Sidewalk	Each	7	\$2,500.00	\$17,500.00
340.01391	Curb Ramp, Modified MAG Det 237-2, Detached Sidewalk	Each	19	\$2,500.00	\$47,500.00
340.01392	Parallel Curb Ramp, MAG Det 238-3	Each	2	\$2,000.00	\$4,000.00
340.01405	Driveway Entrance, MAG Det 250-1, Commercial/Industrial	SF	1,786	\$10.00	\$17,860.00
340.01425	Driveway Entrance, MAG Det 250-2, Commercial/Industrial	SF	1,075	\$10.00	\$10,750.00
340.01440	Driveway Entrance, Glendale Det G-458	SF	163	\$10.00	\$1,630.00
340.01600	Concrete Apron & Valley Gutter, MAG Det 240	SF	16,508	\$7.00	\$115,556.00
345.01100	Adjust Manhole Frame & Cover, MAG Det 422	Each	36	\$600.00	\$21,600.00
345.01200	Adjust Valve Box & Cover, MAG Det 391-1-A	Each	76	\$400.00	\$30,400.00
350.01800	Remove Concrete Curb & Gutter	LF	14,144	\$5.00	\$70,720.00
350.01900	Remove Sidewalk	SF	57,217	\$2.00	\$114,434.00
350.01901	Remove Sidewalk Ramps	Each	28	\$500.00	\$14,000.00
350.02000	Remove Gate	Each	3	\$150.00	\$450.00
350.03000	Remove and Salvage Street Light	Each	51	\$500.00	\$25,500.00
350.04000	Remove and Salvage Traffic Sign Assembly	Each	42	\$80.00	\$3,360.00
350.05000	Remove Guardrail	LF	589	\$10.00	\$5,890.00
350.32000	Remove Block Wall	LF	1,414	\$25.00	\$35,350.00



350.33000	Remove Post	Each	5	\$75.00	\$375.00
350.34000	Remove Storm Drain Manhole	Each	1	\$800.00	\$800.00
351.01660	Relocate Water Meter	Each	3	\$2,000.00	\$6,000.00
351.40010	Relocate Traffic Sign, Det 2060	Each	11	\$200.00	\$2,200.00
420.00180	6 ft High Chain Link Fence, MAG Det 160	LF	67	\$20.00	\$1,340.00
420.00181	6 ft High Fence, Peoria Det XXX	LF	582	\$50.00	\$29,100.00
420.00182	Fence Gate, Peoria Det XXX	Each	2	\$1,200.00	\$2,400.00
430.01000	Landscape and Planting	Lump Sum	1	\$2,195,000.00	\$2,195,000.00
461.01100	4 in White Traffic Paint Stripe	LF	42,118	\$0.25	\$10,529.50
461.01200	4 in Yellow Traffic Paint Stripe	LF	13,582	\$0.25	\$3,395.50
461.01511	Paint Symbol Left Turn Arrow	Each	20	\$75.00	\$1,500.00
461.01512	Paint Symbol Right Turn Arrow	Each	27	\$75.00	\$2,025.00
461.01519	Paint Symbol Bike Lane Marking Without Arrow	Each	3	\$350.00	\$1,050.00
461.01520	Paint Symbol Bike Lane Marking Set	Each	5	\$500.00	\$2,500.00
461.01521	Paint Symbol Merge Arrow	Each	6	\$75.00	\$450.00
461.01523	Paint Green Bike Lane	SF	577	\$10.00	\$5,770.00
463.01100	Reflectorized Raised Pavement Marker (Type D, Yellow, 2-Way)	Each	249	\$3.50	\$871.50
463.01200	Reflectorized Raised Pavement Marker (Type G, Clear, 1-Way)	Each	1,667	\$3.50	\$5,834.50
464.02000	Perforated Sign Post	LF	831	\$10.00	\$8,310.00
464.02001	Perforated Sign Post Foundation, Det 2058	Each	26	\$125.00	\$3,250.00
465.01002	Flat Sheet Aluminum Sign Panel, High Intensity Grade	SF	430	\$25.00	\$10,750.00
465.01003	Flat Sheet Aluminum Sign Panel, Diamond Grade	SF	108	\$25.00	\$2,700.00
470.90000	Traffic Signal	Each	4	\$300,000.00	\$1,200,000.00
477.70000	Roadway Lighting	Lump Sum	1	\$550,000.00	\$550,000.00
481.00000	ITS Components	Lump Sum	1	\$1,435,000.00	\$1,435,000.00
505.07000	Bridge - New River Bridge	Lump Sum	1	\$3,589,285.00	\$3,589,285.00
505.10150	Catch Basin, MAG Det 535, Type F	Each	1	\$5,500.00	\$5,500.00
505.12321	Catch Basin, ADOT C-15.91, Type C Curb	Each	22	\$4,500.00	\$99,000.00
505.13612	Catch Basin PHX Std P-1569-1, Type M	Each	8	\$5,000.00	\$40,000.00
505.13614	Catch Basin PHX Std P-1569-1, Type M-1, L=3 ft	Each	5	\$5,000.00	\$25,000.00
505.13615	Catch Basin PHX Std P-1569-1, Type M-1, L=6 ft	Each	23	\$6,000.00	\$138,000.00
505.13616	Catch Basin PHX Std P-1569-1, Type M-1, L=10 ft	Each	28	\$7,000.00	\$196,000.00
505.13617	Catch Basin PHX Std P-1569-1, Type M-1, L=17 ft	Each	2	\$8,000.00	\$16,000.00
505.13626	Catch Basin PHX Std P-1569-1, Type M-2, L=10 ft	Each	2	\$15,000.00	\$30,000.00
505.19000	8 ft Tall Decorative CMU Soundwall - ADOT SD-8.02	SF	27,000	\$45.00	\$1,215,000.00
505.19001	CMU Soundwall Construction Mitigation Measures	Lump Sum	1	\$350,000.00	\$350,000.00
515.20006	Bollard, Type I, 6 in Diameter, MAG Det 140	Each	1	\$300.00	\$300.00
523.10166	Headwall, MAG Det 501, Straight Type, 66 in Pipe	Each	1	\$6,400.00	\$6,400.00
523.13118	Headwall, MAG Det 501, U Type, 18 in Pipe	Each	1	\$3,200.00	\$3,200.00
523.13124	Headwall, MAG Det 501, U Type, 24 in Pipe	Each	3	\$3,700.00	\$11,100.00
523.13136	Headwall, MAG Det 501, U Type, 36 in Pipe	Each	3	\$4,400.00	\$13,200.00
523.13148	Headwall, MAG Det 501, U Type, 48 in Pipe	Each	1	\$5,200.00	\$5,200.00
523.13272	Headwall, Outlet (1:4), MAG Det 501-3, 72 in Pipe	Each	1	\$7,000.00	\$7,000.00



610.27000	Relocate Fire Hydrant, MAG Det 360	Each	7	\$1,800.00	\$12,600.00
618.20318	18 in RGRCP, Class III	LF	2,998	\$85.00	\$254,830.00
618.20324	24 in RGRCP, Class III	LF	4,545	\$90.00	\$409,050.00
618.20330	30 in RGRCP, Class III	LF	582	\$130.00	\$75,660.00
618.20336	36 in RGRCP, Class III	LF	2,001	\$150.00	\$300,150.00
618.20348	48 in RGRCP, Class III	LF	446	\$300.00	\$133,800.00
618.20366	66 in RGRCP, Class III	LF	2,848	\$440.00	\$1,253,120.00
618.20372	72 in RGRCP, Class III	LF	1,166	\$540.00	\$629,640.00
625.01100	Storm Drain Manhole, MAG Det 520 & 522	Each	21	\$5,800.00	\$121,800.00
625.01166	Storm Drain Manhole, MAG Det 521 & 522, 66 in Pipe	Each	11	\$6,000.00	\$66,000.00
625.01172	Storm Drain Manhole, MAG Det 521 & 522, 72 in Pipe	Each	7	\$6,200.00	\$43,400.00
625.10130	Drywell, Maxiwell IV or Equal, Basic Depth 30 ft	Each	4	\$15,000.00	\$60,000.00
804.01000	Bridge Aesthetics - Decorative Fencing, Enhanced Decorative Concrete Columns	LF	1,850	\$160.00	\$296,000.00
804.02000	Internally Illuminated Entry Monument	Each	2	\$250,000.00	\$500,000.00
(A)	IDENTIFIED ITEMS				\$26,689,007
(B)	UNIDENTIFIED ITEMS @	25%			\$6,673,000
(C)	SUBTOTAL ITEMS COST				\$33,362,007
(D)	TRAFFIC CONTROL @	8%			\$2,669,000
(E)	AZPDES @	2%			\$668,000
(F)	ENVIRONMENTAL MITIGATION MEASURES	1%			\$334,000
(G)	MOBILIZATION / DEMOBILIZATION @	5%			\$1,669,000
(H)	EQUIPMENT / MATERIAL COST	Lump Sum	1		\$0
(I)	TOTAL CONSTRUCTION COST				\$38,702,007
(J)	CONSTRUCTION CONTINGENCY @	5%			\$1,936,000
(K)	CONSTRUCTION MANAGEMENT @	15%			\$5,806,000
(L)	DESIGN @	8%			\$3,097,000
(M)	RIGHT-OF-WAY				\$7,991,000
(N)	UTILITY RELOCATION				\$4,786,000
(O)	IMPLEMENTATION SEGMENT BREAKOUT ADJUSTMENT @	0%			\$0
(P)	SUBTOTAL OTHER PROJECT COST				\$23,616,000
(Q)	MCDOT IN-HOUSE COSTS @				\$0
(R)	TOTAL PROJECT COST				\$62,318,007