



# APPENDIX H

## DETAILED COST ESTIMATE



64th Street Roadway Construction				
Item Description	Unit	Quantity	Unit Cost	Total
Subgrade Preparation	SY	62,200	\$7	\$435,400
Borrow Material	CY	500,000	\$4	\$2,000,000
Aggregate Base Course (6" Thick)	TON	19,000	\$25	\$475,000
Asphalt Concrete Surface Course, Type D 1/2 (1.5" Thick)	TON	5,100	\$80	\$408,000
Asphalt Concrete Base Course, Type A 1-1/2 (6" Thick)	TON	20,300	\$75	\$1,522,500
Emulsified Asphalt for Tack Coat, Type SS-1H	TON	40	\$600	\$24,000
Vertical Curb	LF	5,000	\$12	\$60,000
Vertical Curb & Gutter, MAG Det. 220	LF	12,400	\$15	\$186,000
Concrete Sidewalk, COP P1230	SF	7,000	\$5	\$35,000
Concrete Driveway Entrance, COP P1243	SF	1,800	\$6	\$10,800
Concrete Driveway Entrance, COP P1255-1	SF	1,000	\$6	\$6,000
Concrete Bus Bay, COP P1256-2	SF	1,430	\$8	\$11,440
Concrete Bus Shelter/Accessory Pad	SF	400	\$8	\$3,200
Adjust Existing Manhole Frame & Cover	EA	16	\$400	\$6,400
Adjust Existing Water Valve	EA	12	\$300	\$3,600
Survey Marker	EA	10	\$300	\$3,000
MGS Barrier End Treatment	EA	4	\$7,500	\$30,000
Retaining Wall	SF	2,000	\$45	\$90,000
Geomembrane Liner for Top of Dike	LF	1,200	\$25	\$30,000
6-Ft Chainlink Fence	LF	1,200	\$15	\$18,000
10-Ft Access Gate	EA	3	\$2,500	\$7,500
Remove Existing Sidewalk, Ramps and Bus Bay	SF	9,000	\$3	\$27,000
Remove Existing Curb & Gutter	LF	1,500	\$5	\$7,500
<b>Roadway Subtotal</b>				<b>\$5,400,340</b>

64th Street Right-of-Way Acquisition				
Item Description	Unit	Quantity	Unit Cost*	Total
Private	Acre	0.4	\$175,000	\$70,000
Arizona State Land Department (ASLD)	Acre	1.3	\$175,000	\$227,500
Bureau of Reclamation (BOR)	Acre	6.6	\$175,000	\$1,155,000
Slope Easement (Private)	Acre	1.1	\$115,000	\$126,500
Slope Easement (ASLD)	Acre	2	\$115,000	\$230,000
Slope Easement (BOR)	Acre	20	\$115,000	\$2,300,000
<b>Right of Way Subtotal</b>				<b>\$4,109,000</b>

64th Street Bridge Structure over CAP Canal				
Item Description	Unit	Quantity	Unit Cost	Total
Three Span Precast Prestressed AASHTO Type IV Girder Bridge with Full Height Abutment and Stub Abutment on Drilled Shafts	SF	24,091	\$115	\$2,770,455
<b>Bridge Structure Subtotal</b>				<b>\$2,770,455</b>

64th Street Utility Relocations				
Item Description	Unit	Quantity	Unit Cost	Total
Relocate Existing Fire Hydrant Assembly	EA	6	\$2,500	\$15,000
Vertical Relocation of Existing 20" DIP RW for CAP Service Roads	LS	1	\$200,000	\$200,000
Vertical Relocation of Existing 16" DIP RW for CAP Service Roads	LS	1	\$200,000	\$200,000
Relocate Existing 20-inch Reclaimed Waterline (includes removal)	LF	3,000	\$350	\$1,050,000
<b>Utility Relocations Subtotal</b>				<b>\$1,465,000</b>

64th Street Total Project Costs				
Item Description	Unit	Quantity	Unit Cost	Total
Roadway Subtotal				\$5,400,340
Right-of-Way Subtotal				\$4,109,000
Bridge Structure Subtotal				\$2,770,455
Utility Relocations Subtotal				\$1,465,000
<b>Project Subtotal</b>				<b>\$13,744,795</b>
Other Project Costs				
Mobilization @ 7%	LS	1	\$962,136	\$962,136
Storm Water Pollution Prevention Plan @ 1%	LS	1	\$137,448	\$137,448
Traffic Control @ 1%	LS	1	\$137,448	\$137,448
Construction Water @ 2%	LS	1	\$281,573	\$281,573
AZPDES	LS	1	\$25,000	\$25,000
Construction Management @ 7%	LS	1	\$955,937	\$955,937
Design @ 9%	LS	1	\$1,237,032	\$1,237,032
Administration @ 9%	LS	1	\$1,237,032	\$1,237,032
Construction Survey and Layout	LS	1	\$125,000	\$125,000
As-Built Preparation and Certification	LS	1	\$25,000	\$25,000
Contractor Quality Control	LS	1	\$150,000	\$150,000
Community Relations Support	LS	1	\$60,000	\$60,000
Traffic Signals and Street Lighting @ 2%	LS	1	\$274,896	\$274,896
Signing and Striping @ 1%	LS	1	\$137,448	\$137,448
Landscaping and Irrigation @ 2%	LS	1	\$274,896	\$274,896
Drainage Improvements @ 18%	LS	1	\$2,474,063	\$2,474,063
Contingency for Unknown Items @ 20%	LS	1	\$2,748,959	\$2,748,959
<b>TOTAL</b>				<b>\$24,988,660</b>