

DETAILED ESTIMATE (60% Design)
BEARDSLEY CONNECTOR PHASE PHASE I



Item Description	Unit	Quantity	Unit Price	Amount
REMOVAL OF CONCRETE CURB AND GUTTER	L.FT.	2,864	\$3.00	\$8,592.00
REMOVAL OF CONCRETE SIDEWALKS, DRIVEWAYS AND SLABS	SQ.FT.	17,329	\$4.00	\$69,316.00
REMOVAL OF ASPHALTIC CONCRETE PAVEMENT	SQ.YD.	10,531	\$5.00	\$52,655.00
REMOVAL OF STORM DRAIN PIPE	L.FT.	10	\$20.00	\$200.00
REMOVAL OF CONCRETE DRAINAGE CHANNEL	L.FT.	50	\$50.00	\$2,500.00
REMOVAL OF STORM DRAIN CATCH BASIN(S)	L.FT.	1	\$500.00	\$500.00
ROADWAY EXCAVATION	CU.YD.	674	\$14.00	\$9,436.00
CHANNEL EXCAVATION	CU.YD.	2,000	\$3.00	\$6,000.00
CONSTRUCT BERM	CU.YD.	1,400	\$5.00	\$7,000.00
SUBGRADE PREPARATION	SQ.YD.	18,423	\$2.50	\$46,057.50
BORROW	CU.YD.	21,172	\$18.00	\$381,096.00
AGGREGATE BASE, CLASS 2 12"	CU.YD.	4,208	\$20.00	\$84,160.00
AGGREGATE BASE (4" O&M CHANNEL ROAD)	CU.YD.	350	\$20.00	\$7,000.00
BITUMINOUS TACK COAT	TON	13	\$700.00	\$9,100.00
SLURRY SEAL	SQ.YD.	5,805	\$8.00	\$46,440.00
ASPHALTIC CONCRETE (5")	TON	3,479	\$110.00	\$382,734.00
AR-ACFC	TON	905	\$130.00	\$117,663.00
STORM DRAIN PIPE, 18"	L.FT.	15	\$85.00	\$1,275.00
STORM DRAIN PIPE, 24"	L.FT.	800	\$95.00	\$76,000.00
CONCRETE CATCH BASIN (MEDIAN) (C-15.80)	EACH	1	\$5,000.00	\$5,000.00
CATCH BASIN, TYPE M (PHOENIX DET. P-1569 - NO WING)	EACH	4	\$7,000.00	\$28,000.00
CATCH BASIN, TYPE M-1 (L=6') (PHOENIX DET. P-1569)	EACH	5	\$7,500.00	\$37,500.00
HEADWALL (MAG Det 501-x)	EACH	1	\$5,000.00	\$5,000.00
MANHOLE (MAG 520, 522)	EACH	4	\$8,000.00	\$32,000.00
MANHOLE (SPECIAL) (IN-LINE FIRST FLUSH TREATMENT, WITH BYPASS WEIR)	EACH	3	\$50,000.00	\$150,000.00
CONCRETE PIPE COLLAR (C-13.80)	EACH	6	\$800.00	\$4,800.00

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STRUCTURAL EXCAVATION	CY	140	\$30.00	\$4,200.00
STRUCTURE BACKFILL	CY	310	\$60.00	\$18,600.00
STRUCTURAL CONCRETE (CLASS S)(FC=3500)	CY	471	\$400.00	\$188,400.00
STRUCTURAL CONCRETE (CLASS S)(FC=3500)	CY	140	\$450.00	\$63,000.00
STRUCTURAL CONCRETE (CLASS S)(FC=3500)	CY	829	\$525.00	\$435,225.00
SPECIAL PEDESTRIAN - TRAFFIC BR RAIL	LF	678	\$250.00	\$169,500.00
DECK JOINT ASSEMBLY (4X4 COMPRESSION SEAL)	LF	146	\$200.00	\$29,200.00
APPROACH SLAB (SD 2.01)	SF	2,190	\$20.00	\$43,800.00
PRECAST P/S MEMBER (AASHTO TYPE 4 GIRDER)	LF	3,075	\$225.00	\$691,875.00
REINFORCING STEEL	LB	254,835	\$0.80	\$203,868.00
RETRAINERS, VERTICAL EARTHQUAKE (EXPANSION)	EA	20	\$225.00	\$4,500.00
ARCHITECTURAL WORK	L-SUM	1	\$100,000.00	\$100,000.00
DRILLED SHAFT FOUNDATION (48")	LF	550	\$420.00	\$231,000.00
DRILLED SHAFT FOUNDATION (96")	LF	330	\$850.00	\$280,500.00
BRIDGE SIGN STRUCTURE (SD9.20, TYPE 2F)	EACH	2	\$40,000.00	\$80,000.00
FOUNDATION FOR BRIDGE SIGN STRUCTURE (SD9.20, TYPE 2F)	EACH	4	\$7,500.00	\$30,000.00
EXTRUDED ALUM SIGN PANEL WITH TYPE III/IV SHEET	SQ.FT.	352	\$35.00	\$12,320.00
SIGN POST (P-1) (PERFORATED) (SINGLE)	L.FT.	435	\$15.00	\$6,525.00
FOUNDATION FOR SIGN POST (P-1)(PERFORATED)	EACH	33	\$200.00	\$6,600.00
SIGN PANEL	SQ.FT.	213	\$35.00	\$7,455.00
RELOCATE SIGNS	EACH	3	\$200.00	\$600.00
OBLITERATE PAVEMENT MARKING (STRIPE)	L.FT.	16,000	\$0.50	\$8,000.00
OBLITERATE PAVEMENT MARKERS	EACH	200	\$3.00	\$600.00
PAVEMENT MARKING (WHITE THERMOPLASTIC) (EXTRUDED) (0.090")	L.FT.	11,433	\$0.35	\$4,001.55
PAVEMENT MARKING (YELLOW THERMOPLASTIC) (EXTRUDED) (0.090")	L.FT.	2,419	\$0.35	\$846.65
PAVEMENT MARKING, PREFORMED, TYPE I, SINGLE ARROW	EACH	22	\$150.00	\$3,300.00

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PAVEMENT MARKER, RAISED, TYPE C	EACH	110	\$4.00	\$440.00
PAVEMENT MARKER, RAISED, TYPE D	EACH	127	\$4.00	\$508.00
PAVEMENT MARKER, RAISED, TYPE G	EACH	136	\$4.00	\$544.00
POLE (TYPE G) (STANDARD BASE)	EACH	33	\$1,500.00	\$49,500.00
POLE (TYPE R)	EACH	2	\$8,000.00	\$16,000.00
POLE FOUNDATION (TYPE G) (STANDARD BASE)	EACH	38	\$2,000.00	\$76,000.00
POLE FOUNDATION (TYPE R)	EACH	2	\$3,700.00	\$7,400.00
MAST ARM (45 FT.) (TAPERED)	EACH	1	\$4,000.00	\$4,000.00
MAST ARM (50 FT.) (TAPERED)	EACH	1	\$4,000.00	\$4,000.00
LUMINATED SIGN FIXTURE	EACH	2	\$3,500.00	\$7,000.00
REMOVE AND SALVAGE EXISTING LIGHTING POLE	L.SUM	1	\$5,000.00	\$5,000.00
REMOVE EXISTING FOUNDATIONS	L.SUM	1	\$2,000.00	\$2,000.00
RELOCATE EXISTING LIGHT POLES	L.SUM	1	\$15,000.00	\$15,000.00
ELECTRICAL CONDUIT (2 1/2") (PVC)	L.FT.	6,650	\$20.00	\$133,000.00
ELECTRICAL CONDUIT (3") (PVC)	L.FT.	650	\$40.00	\$26,000.00
PULL BOX (NO. 5)	EACH	38	\$450.00	\$17,100.00
PULL BOX (NO. 7)	EACH	2	\$500.00	\$1,000.00
PULL BOX (NO. 7) (WITH EXTENSION)	EACH	1	\$1,000.00	\$1,000.00
TRAFFIC SIGNAL FACE (TYPE F) (	EACH	5	\$900.00	\$4,500.00
TRAFFIC SIGNAL FACE (TYPE Q) (	EACH	4	\$1,100.00	\$4,400.00
TRAFFIC SIGNAL FACE (PEDESTRIAN) (MAN/HAND)	EACH	4	\$500.00	\$2,000.00
PEDESTRIAN PUSH BUTTON	EACH	4	\$300.00	\$1,200.00
TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE V)	EACH	6	\$300.00	\$1,800.00

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TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE XI)	EACH	4	\$300.00	\$1,200.00
REMOVE AND SALVAGE TRAFFIC SIGNALS AND LOAD CENTER CABINETS	L.SUM	1	\$5,000.00	\$5,000.00
CONTROL CABINET	EACH	1	\$20,000.00	\$20,000.00
CONTROL CABINET FOUNDATION	EACH	1	\$400.00	\$400.00
METER PEDESTAL CABINET	EACH	1	\$400.00	\$400.00
METER PEDESTAL FOUNDATION	EACH	1	\$400.00	\$400.00
VIDEO DETECTION SYSTEM (	L.SUM	1	\$40,000.00	\$40,000.00
LUMINAIRE (HORIZONTAL MOUNT) (HPS 250 WATT)	EACH	21	\$600.00	\$12,600.00
LUMINAIRE (HPS 100 WATT)	EACH	14	\$500.00	\$7,000.00
METAL HANDRAIL (FOR RETAINING WALLS)	L.FT.	767	\$45.00	\$34,515.00
DECOMPOSED GRANITE	CU.YD.	7,299	\$3.60	\$26,274.80
CONCRETE CURB AND GUTTER (MAG DET. 220-1) (TYPE A)	L.FT.	4,986	\$16.00	\$79,776.00
REVISE LANDSCAPE AREA 81ST AVE TO 83RD AVE	SF	3,424	\$4.50	\$15,408.00
LANDSCAPE ESTABLISHMENT	L.SUM	1	\$5,500.00	\$5,500.00
GROUNDCOVER 1 GAL	EA	155	\$16.00	\$2,480.00
SHRUBS 5 GAL	EA	234	\$30.00	\$7,020.00
TREES 15 GAL	EA	139	\$85.00	\$11,815.00
TREES 36" BOX	EA	8	\$250.00	\$2,000.00
TREES 48" BOX	EA	31	\$360.00	\$11,160.00
PALM TREES RELOCATE	EA	6	\$1,800.00	\$10,800.00
SCREEN WALL NORTH OF BEARDSLEY EAST OF 81ST AVE	SF	2,800	\$10.50	\$29,400.00
SCREENWN WALL AT ROUNDABOUT	SF	220	\$7.50	\$1,650.00
RIVER ROCK 3-4", 8" THICK	SY	4,800	\$10.80	\$51,840.00
DECOMPOSED GRANITE, 1/4" 2" THICK	SY	39,500	\$3.60	\$142,200.00
IRRIGATION SYSTEM	L.SUM	1	\$66,736.00	\$66,736.00

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CONCRETE CURB AND GUTTER, TYPE C (MAG DET. 220)	L.FT.	258	\$16.00	\$4,128.00
CONCRETE SINGLE CURB (MAG DET. 222)	L.FT.	8,425	\$10.00	\$84,250.00
CONCRETE VALLEY GUTTER AND APRON	SQ.FT.	472	\$8.00	\$3,776.00
CONCRETE SIDEWALK (MAG DET. 230)	SQ.FT.	27,792	\$4.50	\$125,064.00
CONCRETE SIDEWALK RAMP (MDCOT DET 2031-A (MODIFIED))	EACH	16	\$1,800.00	\$28,800.00
CONCRETE BARRIER (SD-1.01)	L.FT.	796	\$80.00	\$63,680.00
RIPRAP (GABIONS)	CU.YD.	4,700	\$150.00	\$705,000.00
RIPRAP (DUMPED)	CU.YD.	320	\$120.00	\$38,400.00
RETAINING WALL	SQ.FT.	8,300	\$80.00	\$664,000.00
MASONARY WALL	SQ.FT.	5,272	\$50.00	\$263,600.00
CONCRETE CHANNEL LINING (6")	SQ.FT.	2,000	\$66.00	\$132,000.00
SUBTOTAL				\$7,271,605.50
Erosion Control (1%)				\$72,716.06
Quality Control (2%)				\$145,432.11
Water Supply and Dust Palliative (2%)				\$145,432.11
Maintenance and Protection of Traffic (7%)				\$509,012.39
Construction Surveying and Layout (2%)				\$145,432.11
Mobilization (7%)				\$509,012.39
Total				\$8,798,642.66
CONTINGENCY (5%)				\$439,932.13
Total				\$9,238,574.79