

CSJ 0915-45-052 Cordova Rd
30% Submittal
Opinion of Probable Construction Cost
November 17, 2023

DETAILED QUANTITIES		COST
TRAFFIC CONTROL PLAN	\$	1,918,500.30
ROADWAY	\$	18,294,416.03
RETAINING WALL	\$	642,718.00
DRAINAGE	\$	8,663,695.00
SIGNING & PM	\$	172,237.60
TRAFFIC SIGNALS	\$	650,000.00
SW3P	\$	764,128.74
SUBTOTAL	\$	31,105,695.67
ROW	\$	1,800,000.00
PRIVATE EASEMENT	\$	250,000.00
UTILITY RELOCATION	\$	3,500,000.00
MOBILIZATION 10%	\$	3,111,000.00
CONTINGENCY 10%	\$	3,111,000.00
CORDOVA RD TOTAL	\$	42,877,695.67

Opinion of Probable Construction Cost**CSJ 0915-45-052 Cordova Rd****11/17/23**

PREPARED BY:

Pape-Dawson

TRAFFIC CONTROL PLAN

Item	Description	Unit	Quantity	Unit Price	Total Cost
0401-6001	FLOWABLE BACKFILL	CY	60.7	\$350.00	\$21,255.50
0502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	29	\$8,000.00	\$232,000.00
0403-6001	TEMPORARY SPL SHORING	SF	1182	\$50.00	\$59,112.50
0460-6004	CMP (GAL STL 30 IN)	LF	109	\$120.00	\$13,080.00
0460-6005	CMP (GAL STL 36 IN)	LF	455	\$110.00	\$50,050.00
0460-6007	CMP (GAL STL 48 IN)	LF	132	\$200.00	\$26,400.00
0508-6001	CONSTRUCTING DETOURS	SY	13981	\$50.00	\$699,050.00
0512-6001	PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LF	1080	\$80.00	\$86,400.00
0512-6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	9040	\$35.00	\$316,400.00
0512-6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	480	\$40.00	\$19,200.00
0512-6025	PORT CTB (MOVE)(SGL SLP)(TY 1)	LF	600	\$22.00	\$13,200.00
6001-6002	PORTABLE CHANGING MESSAGE SIGN	EA	4	\$12,000.00	\$48,000.00
0512-6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	2420	\$8.00	\$19,360.00
0512-6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	200	\$8.00	\$1,600.00
0512-6049	PORT CTB (REMOVE)(SGL SLP)(TY 1)	LF	990	\$20.00	\$19,800.00
0512-6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	9040	\$15.00	\$135,600.00
0512-6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	480	\$15.00	\$7,200.00
0545-6003	CRASH CUSH ATTEN (MOVE & RESET)	EA	4	\$1,250.00	\$5,000.00
0545-6005	CRASH CUSH ATTEN (REMOVE)	EA	4	\$1,250.00	\$5,000.00
0545-6019	CRASH CUSH ATTEN (INSTL)(S)(N)(TL3)	EA	4	\$10,000.00	\$40,000.00
0662-6006	WK ZN PAV MRK NON-REMOV (W)6"(DOT)	LF	341	\$2.00	\$682.60
0662-6008	WK ZN PAV MRK NON-REMOV (W)6"(SLD)	LF	30216	\$1.00	\$30,216.30
0662-6016	WK ZN PAV MRK NON-REMOV (W)24"(SLD)	LF	117	\$15.00	\$1,755.00
0662-6037	WK ZN PAV MRK NON-REMOV (Y)6"(SLD)	LF	68138	\$1.00	\$68,138.40

TRAFFIC CONTROL PLAN SUBTOTAL \$1,918,500.30

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ROADWAY

Item	Description	Unit	Quantity	Unit Price	Total Cost
0100-6002	PREPARING ROW	STA	207	\$2,500.00	\$517,500.00
0106-6002	OBLITERATING ABANDONED ROAD	SY	4391	\$30.00	\$131,730.00
0110-6001	EXCAVATION (ROADWAY)	CY	115289	\$11.00	\$1,268,179.00
0132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	28112	\$12.00	\$337,344.00
0247-6053	FL BS (CMP IN PLC)(TYD GR1-2)(FNAL POS)	CY	22829	\$85.00	\$1,940,498.06
0260-6002	LIME (HYDRATED LIME (SLURRY))	TON	1804	\$250.00	\$450,964.55
0260-6079	LIME TRT (SUBGRADE)(6")	SY	133783	\$8.00	\$1,070,264.00
0275-6001	CEMENT	TON	1101	\$275.00	\$302,775.00
0275-6031	CEMENT TREAT (NEW BASE) (10")	SY	132682	\$2.50	\$331,705.00
0310-6027	PRIME COAT(MC-30 OR AE-P)	GAL	332	\$4.50	\$1,494.00
0316-6240	AGGR(TY-PD GR-4 SAC-B)	CY	95	\$180.00	\$17,172.00
0316-6419	ASPH (AC-15P, AC-20-5TR OR AC-20XP)	GAL	3434.4	\$5.00	\$17,172.00
0354-6045	PLANE ASPH CONC PAV (2")	SY	805	\$5.00	\$4,025.00
0360-6011	CONC PVMT (CONT REINF - CRCP) (8.5")	SY	105241	\$70.00	\$7,366,870.00
0432-6001	RIPRAP (CONC)(4 IN)	CY	303.5	\$450.00	\$136,584.45
0462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	60	\$360.00	\$21,600.00
0462-6010	CONC BOX CULV (6 FT X 3 FT)	LF	48	\$575.00	\$27,600.00
0464-6003	RC PIPE (CL III)(18 IN)	LF	390	\$85.00	\$33,150.00
0464-6005	RC PIPE (CL III)(24 IN)	LF	410	\$100.00	\$41,000.00
0464-6007	RC PIPE (CL III)(30 IN)	LF	60	\$150.00	\$9,000.00
0467-6363	SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	18	\$2,000.00	\$36,000.00
0467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	10	\$2,200.00	\$22,000.00
0467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	EA	2	\$2,500.00	\$5,000.00
0467-6519	SET (TY II) (DES 1) (RCP) (6: 1) (P)	EA	6	\$2,500.00	\$15,000.00
0529-6002	CONC CURB (TY II)	LF	71592	\$28.00	\$2,004,576.00
0530-6004	DRIVEWAYS (CONC)	SY	4023	\$100.00	\$402,300.00
0531-6001	CONC SIDEWALKS (4")	SY	39207	\$40.00	\$1,568,280.00
0531-6004	CURB RAMPS (TY 1)	EA	6	\$2,200.00	\$13,200.00
0531-6005	CURB RAMPS (TY 2)	EA	2	\$2,200.00	\$4,400.00
0531-6010	CURB RAMPS (TY 7)	EA	10	\$2,200.00	\$22,000.00
0531-6016	CURB RAMPS (TY 21)	EA	1	\$2,200.00	\$2,200.00
0560-6011	MAILBOX INSTALL-S (TWW-POST) TY 4	EA	20	\$500.00	\$10,000.00
0560-6012	MAILBOX INSTALL-D (TWW-POST) TY 4	EA	1	\$550.00	\$550.00
3076-6001	D-GR HMA TY-B PG64-22	TON	1053	\$105.00	\$110,556.60
3076-6025	D-GR HMA TY-C SAC-B PG70-22	TON	371	\$105.00	\$38,955.00
3076-6050	D-GR HMA TY-D SAC-B PG76-22	TON	108	\$105.00	\$11,347.88
3076-6066	TACK COAT	GAL	474.5	\$3.00	\$1,423.50

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Pape-Dawson

ROADWAY

Item	Description	Unit	Quantity	Unit Price	Total Cost
ROADWAY SUBTOTAL					\$18,294,416.03

Opinion of Probable Construction Cost**CSJ 0915-45-052 Cordova Rd****11/17/23**

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DRAINAGE

Item	Description	Unit	Quantity	Unit Price	Total Cost
0402-6001	TRENCH EXCAVATION PROTECTION	LF	35	\$5.00	\$175.00
0432-6001	RIPRAP (CONC)(4 IN)	CY	4.3	\$450.00	\$1,935.00
0450-6032	RAIL (TY C223)	LF	403	\$160.00	\$64,480.00
0462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	132	\$360.00	\$47,520.00
0462-6006	CONC BOX CULV (5 FT X 2 FT)	LF	644	\$525.00	\$338,100.00
0462-6014	CONC BOX CULV (7 FT X 3 FT)	LF	1224	\$850.00	\$1,040,400.00
0462-6020	CONC BOX CULV (8 FT X 5 FT)	LF	678	\$1,100.00	\$745,800.00
0462-6054	CONC BOX CULV (6 FT X 3 FT)(EXTEND)	LF	124	\$1,100.00	\$136,400.00
0464-6005	RC PIPE (CL III)(24 IN)	LF	24	\$100.00	\$2,400.00
0464-6027	RC PIPE (CL V)(36 IN)	LF	348	\$400.00	\$139,200.00
0464-6059	RC PIPE (CL V)(30 IN)	LF	722	\$300.00	\$216,600.00
0465-6012	JCTBOX(COMPL)(PJB)(8FTX8FT)	EA	1	\$20,000.00	\$20,000.00
0466-6134	HEADWALL (CH - PW - S) (DIA= 36 IN)	EA	1	\$10,500.00	\$10,500.00
0466-6179	WINGWALL (PW - 1) (HW=4 FT)	EA	2	\$20,000.00	\$40,000.00
0466-6180	WINGWALL (PW - 1) (HW=5 FT)	EA	3	\$28,000.00	\$84,000.00
0466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA	4	\$30,000.00	\$120,000.00
0466-6183	WINGWALL (PW - 1) (HW=8 FT)	EA	2	\$40,000.00	\$80,000.00
0467-6184	SET (TY I)(S= 5 FT)(HW= 5 FT)(6:1) (P)	EA	2	\$21,500.00	\$43,000.00
0467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	1	\$2,250.00	\$2,250.00
0467-6418	SET (TY II) (30 IN) (RCP) (3: 1) (P)	EA	2	\$3,000.00	\$6,000.00
0467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	EA	4	\$2,500.00	\$10,000.00
0467-6453	SET (TY II) (36 IN) (RCP) (6: 1) (C)	EA	3	\$6,200.00	\$18,600.00
0496-6001	REMOV STR (BOX CULVERT)	EA	6	\$15,000.00	\$90,000.00
0496-6005	REMOV STR (WINGWALL)	EA	7	\$5,000.00	\$35,000.00
0496-6016	REMOV STR (PIPE)	EA	2	\$2,500.00	\$5,000.00
0496-6041	REMOV STR (LARGE)	EA	1	\$12,000.00	\$12,000.00

DRAINAGE CULVERT SUBTOTAL \$3,309,360.00

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DRAINAGE

Item	Description	Unit	Quantity	Unit Price	Total Cost
0420-6074	CL C CONC (MISC)	CY	122.8	\$1,100.00	\$135,080.00
0432-6001	RIPRAP (CONC)(4 IN)	CY	877.5	\$450.00	\$394,875.00
0462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	1010	\$360.00	\$363,600.00
0462-6006	CONC BOX CULV (5 FT X 2 FT)	LF	298	\$525.00	\$156,450.00
0462-6010	CONC BOX CULV (6 FT X 3 FT)	LF	1230	\$575.00	\$707,250.00
0462-6019	CONC BOX CULV (8 FT X 4 FT)	LF	1478	\$1,000.00	\$1,478,000.00
0462-6096	CONC BOX CULV (8 FT X 3 FT)	LF	198	\$1,100.00	\$217,800.00
0462-6099	CONC BOX CULV (6 FT X 2 FT)	LF	93	\$650.00	\$60,450.00
0464-6003	RC PIPE (CL III)(18 IN)	LF	400	\$85.00	\$34,000.00
0464-6005	RC PIPE (CL III)(24 IN)	LF	4585	\$100.00	\$458,500.00
0464-6007	RC PIPE (CL III)(30 IN)	LF	459	\$150.00	\$68,850.00
0464-6008	RC PIPE (CL III)(36 IN)	LF	359	\$220.00	\$78,980.00
0465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	1	\$8,000.00	\$8,000.00
0465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	EA	8	\$7,800.00	\$62,400.00
0465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	EA	6	\$9,200.00	\$55,200.00
0465-6077	INLET (COMPL)(PSL)(RC)(8FTX8FT)	EA	2	\$20,000.00	\$40,000.00
0465-6158	INLET(COMPL)(PAZD)(FG)(3FTX3FT-3FTX3FT)	EA	1	\$8,800.00	\$8,800.00
0465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	EA	2	\$12,000.00	\$24,000.00
0465-6161	INLET(COMPL)(PAZD)(FG)(5FTX5FT-3FTX3FT)	EA	1	\$8,000.00	\$8,000.00
0465-6176	INLET (COMPL)(CURB)(TY C1)	EA	18	\$15,000.00	\$270,000.00
0465-6233	INLET (COMP) (TY SIDEWALK BRIDGE)	EA	11	\$6,000.00	\$66,000.00
0465-6338	INLET (COMPL)(ARMOR CURB SLOT)	EA	77	\$4,500.00	\$346,500.00
0465-6365	JCT BOX(COMPL)(CIP)(10FTX10FT)	EA	1	\$15,000.00	\$15,000.00
0465-6558	INL(CMP)(PAZD-CZ)(FG)(3FTX3FT-3FTX3FT)	EA	6	\$8,000.00	\$48,000.00
0465-6560	INL(CMP)(PAZD-CZ)(FG)(4FTX4FT-4FTX4FT)	EA	1	\$10,000.00	\$10,000.00
0466-6153	WINGWALL (FW - 0) (HW=6 FT)	EA	2	\$20,000.00	\$40,000.00
0466-6154	WINGWALL (FW - 0) (HW=7 FT)	EA	2	\$25,000.00	\$50,000.00
0466-6179	WINGWALL (PW - 1) (HW=4 FT)	EA	4	\$20,000.00	\$80,000.00
0467-6282	SET (TY I)(S= 8 FT)(HW= 6 FT)(6:1) (P)	EA	1	\$28,000.00	\$28,000.00
0467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	13	\$2,200.00	\$28,600.00
0496-6004	REMOV STR (SET)	EA	2	\$1,000.00	\$2,000.00
0496-6016	REMOV STR (PIPE)	EA	4	\$2,500.00	\$10,000.00

DRAINAGE SUBTOTAL \$5,354,335.00

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PREPARED BY:
Pape-Dawson

RETAINING WALL

Item	Description	Unit	Quantity	Unit Price	Total Cost
0423-6005	RETAINING WALL (SPREAD FOOTING)	SF	4361	\$105.00	\$457,905.00
0450-6103	RAIL (TY PR11)	LF	922	\$150.00	\$138,300.00
0556-6008	PIPE UNDERDRAINS (TY 8) (6")	LF	922	\$40.00	\$36,880.00
0740-6004	ANTI - GRAFFITI COATING(PERMNENT-TY II)	SF	6422	\$1.50	\$9,633.00
RETAINING WALL SUBTOTAL					\$642,718.00

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PREPARED BY:

Pape-Dawson

SIGNING & PM

Item	Description	Unit	Quantity	Unit Price	Total Cost
0644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	18	\$800.00	\$14,400.00
0644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	EA	16	\$820.00	\$13,120.00
0644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	15	\$950.00	\$14,250.00
0644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA	2	\$1,250.00	\$2,500.00
0666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	8801	\$1.20	\$10,561.20
0666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	1792	\$10.00	\$17,920.00
0666-6156	REFL PAV MRK TY I(Y)(MED NOSE)(100MIL)	EA	2	\$400.00	\$800.00
0666-6171	REFL PAV MRK TY II (W) 6" (BRK)	LF	9172	\$0.50	\$4,586.00
0666-6178	REFL PAV MRK TY II (W) 8" (SLD)	LF	8801	\$1.00	\$8,801.00
0666-6182	REFL PAV MRK TY II (W) 24" (SLD)	LF	2031	\$20.00	\$40,620.00
0666-6184	REFL PAV MRK TY II (W) (ARROW)	EA	17	\$110.00	\$1,870.00
0666-6192	REFL PAV MRK TY II (W) (WORD)	EA	15	\$120.00	\$1,800.00
0666-6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF	9172	\$1.00	\$9,172.00
0668-6077	PREFAB PAV MRK TY C (W) (ARROW)	EA	17	\$300.00	\$5,100.00
0668-6085	PREFAB PAV MRK TY C (W) (WORD)	EA	15	\$300.00	\$4,500.00
0672-6007	REFL PAV MRKR TY I-C	EA	104	\$6.00	\$624.00
0672-6009	REFL PAV MRKR TY II-A-A	EA	176	\$6.00	\$1,056.00
0672-6010	REFL PAV MRKR TY II-C-R	EA	465	\$6.00	\$2,790.00
0678-6002	PAV SURF PREP FOR MRK (6")	LF	9172	\$0.20	\$1,834.40
0678-6004	PAV SURF PREP FOR MRK (8")	LF	8801	\$1.00	\$8,801.00
0678-6008	PAV SURF PREP FOR MRK (24")	LF	2031	\$2.00	\$4,062.00
0678-6009	PAV SURF PREP FOR MRK (ARROW)	EA	45	\$30.00	\$1,350.00
0678-6016	PAV SURF PREP FOR MRK (WORD)	EA	43	\$40.00	\$1,720.00

SIGNING AND PAVEMENT MARKING SUBTOTAL \$172,237.60

Opinion of Probable Construction Cost**CSJ 0915-45-052 Cordova Rd****11/17/23**

PREPARED BY:

Pape-Dawson

SW3P

Item	Description	Unit	Quantity	Unit Price	Total Cost
0164-6039	DRILL SEEDING (PERM) (URBAN) (CLAY)	SY	135837	\$1.00	\$135,836.80
0164-6041	DRILL SEEDING (TEMP) (WARM)	SY	33959	\$2.50	\$84,898.00
0164-6043	DRILL SEEDING (TEMP) (COOL)	SY	33959	\$2.50	\$84,898.00
0168-6001	VEGETATIVE WATERING	MG	3179.7	\$65.00	\$206,680.50
0506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	1318	\$46.00	\$60,623.40
0506-6011	ROCK FILTER DAMS (REMOVE)	LF	1318	\$30.00	\$39,537.00
0506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	640	\$30.00	\$19,200.00
0506-6024	CONSTRUCTION EXITS (REMOVE)	SY	640	\$10.00	\$6,400.00
0506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	16364	\$5.00	\$81,822.00
0506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	16364	\$1.60	\$26,183.04
0506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	LF	1805	\$7.00	\$12,635.00
0506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	1805	\$3.00	\$5,415.00
SW3P SUBTOTAL					\$764,128.74