

2024 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION		
JCP/Hwy. 105 Int. Imp. Plans	4/17/2024	CDR-237
(All Hwy. 105 Imps. west of int. bonded with Town)	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min	2000.	CY	\$ 6.00	=	\$ 12,000.00		\$ 12,000.00
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
Permanent Erosion Control Blanket	650.	SY	\$ 9.00	=	\$ 5,850.00		\$ 5,850.00
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	.2	AC	\$ 2,018.00	=	\$ 403.60		\$ 403.60
Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 1,172.00	=	\$ -		\$ -
Inlet Protection	1.	EA	\$ 217.00	=	\$ 217.00		\$ 217.00
Rock Check Dam		EA	\$ 651.00	=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 2,294.00	=	\$ -		\$ -
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -
Silt Fence	375.	LF	\$ 3.00	=	\$ 1,125.00		\$ 1,125.00
Slope Drain		LF	\$ 43.00	=	\$ -		\$ -
Straw Bale		EA	\$ 33.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	45.	LF	\$ 8.00	=	\$ 360.00		\$ 360.00
Surface Roughening		AC	\$ 269.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1,793.00	=	\$ -		\$ -
Vehicle Tracking Control	1.	EA	\$ 3,085.00	=	\$ 3,085.00		\$ 3,085.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					=	\$ 1,675.45	\$ 1,675.45
Section 1 Subtotal					=	\$ 24,716.05	\$ 24,716.05
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 114.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 11.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 392.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 17.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 30.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 259.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 38.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 77.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 94.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 125.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,496.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 79.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	=	\$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,926.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 65.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 94.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,731.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,902.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 22.00	=	\$ -		\$ -
Traffic Signal, (See attached estimate)	1.	LS	\$ 524,740	=	\$ 524,740.00		\$ 524,740.00

PROJECT INFORMATION

JCP/Hwy. 105 Int. Imp. Plans

4/17/2024

CDR-237

(All Hwy. 105 Imps. west of int. bonded with Town)

Date

PCD File No.

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	8.	LF	\$ 82.00	=	\$ 656.00		\$ 656.00
24" Reinforced Concrete Pipe		LF	\$ 98.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 151.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 201.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 320.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 374.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 433.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 495.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 121.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 154.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 212.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 223.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 327.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 353.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 427.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 502.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 578.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 691.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 9,377.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,925.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 10,230.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 12,907.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 13,835.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 13,755.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 15,181.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 15,130.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 8,322.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 530,396.00	\$ 530,396.00

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION

JCP/Hwy. 105 Int. Imp. Plans	4/17/2024	CDR-237
(All Hwy. 105 Imps. west of int. bonded with Town)	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
Retaining Wall (Adjacent to Hwy. 105)				= \$	-	\$ -
Already bonded with Town				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 84.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 2,418.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 8,584.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	= \$	-	\$ -
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 84.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,708.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
				= \$	-	\$ -
Section 3 Subtotal				= \$	-	\$ -

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

JCP/Hwy. 105 Int. Imp. Plans (All Hwy. 105 Imps. west of int. bonded with Town)	4/17/2024 Date	CDR-237 PCD File No.
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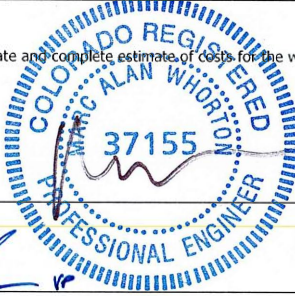
Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)				= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 555,112.05
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 555,112.05
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 109,729.92
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

4/19/2024

Engineer (P.E. Seal Required)



Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

4-19-2024

Date

Date



2025 Aeroplaza Dr. #100
Colorado Springs, CO 80916

PHONE: (719) 667-1200
FAX: (719) 667-1208

2/15/2024

HWY105 & Jackson Creek Parkway Traffic Signal

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	BID PRICE
202-00828	Removal of Traffic Signal Equipment	1	LS	\$ 18,000.00	\$ 18,000.00
210-00479	Reset Radio Communication Antenna	1	EA	\$ 4,500.00	\$ 4,500.00
503-00036	Drilled Shaft (36 Inch)	60	LF	\$ 950.00	\$ 57,000.00
613-00206	2 Inch Electrical Conduit (Bored)	400	LF	\$ 28.00	\$ 11,200.00
613-00306	3 Inch Electircal Conduit (Bored)	800	LF	\$ 30.00	\$ 24,000.00
613-12000	2 Inch Electrical Conduit (Plastic)	155	LF	\$ 28.00	\$ 4,340.00
613-13000	3 Inch Electircal Conduit (Plastic)	190	LF	\$ 30.00	\$ 5,700.00
613-07003	Type Three Pull Box	4	EA	\$ 2,800.00	\$ 11,200.00
613-07004	Type Four Pull Box	1	EA	\$ 3,800.00	\$ 3,800.00
613-10000	Wiring	1	LS	\$ 30,000.00	\$ 30,000.00
613-13004	Luminaire (LED) (4,000 Lumens)	4	EA	\$ 1,700.00	\$ 6,800.00
613-50109	Meter Power Pedestal	1	EA	\$ 12,500.00	\$ 12,500.00
614-00011	Sing Panel (Class 1)	26	SF	\$ 50.00	\$ 1,300.00
614-70150	Pedestrian Signal Face (16) (Countdown)	4	EA	\$ 1,200.00	\$ 4,800.00
614-70336	Traffic Signal Face (12-12-12)	15	EA	\$ 1,700.00	\$ 25,500.00
614-72855	Traffic Singal Controller Cabinet	1	EA	\$ 45,000.00	\$ 45,000.00
614-72860	Pedestrian Push Button	1	EA	\$ 4,200.00	\$ 4,200.00
614-72863	Pedestrian Push Button Post Assembly	3	EA	\$ 7,800.00	\$ 23,400.00
614-72866	Fire Preemption Unit and Timer	1	EA	\$ 12,500.00	\$ 12,500.00
614-72886	Intersection Detection System (Camera)	2	EA	\$ 19,800.00	\$ 39,600.00
614-81000	Traffic Signal-Light Pole Steel	1	EA	\$ 30,000.00	\$ 30,000.00
614-81125	Traffic Signal-Light Pole Steel (1-25ft Mast Arm)	1	EA	\$ 33,500.00	\$ 33,500.00
614-81145	Traffic Signal-Light Pole Steel (1-45ft Mast Arm)	1	EA	\$ 35,500.00	\$ 35,500.00
614-81155	Traffic Signal-Light Pole Steel (1-55ft Mast Arm)	1	EA	\$ 37,500.00	\$ 37,500.00
614-86248	Traffic Singal Controller (Type 2070LC)	1	EA	\$ 10,500.00	\$ 10,500.00
Additional	Street Name Signs	3	EA	\$ 1,800.00	\$ 5,400.00
	Mobilization	1	LS	\$ 27,000.00	\$ 27,000.00
				TOTAL	\$ 524,740.00

ADDITIONAL ITEMS QUOTED

ITEM #	ITEM DESCRIPTION	QTY	UNITS	UNIT PRICE	BID PRICE
203-01597	Potholing (Vac Trailer)	1	HR	\$ 240.00	\$ 240.00
203-01597	Potholing (Vac Truck)	1	HR	\$ 340.00	\$ 340.00

EXCLUSIONS:**(Exclusions Extend to Subcontractors)**

- ASPHALT, REMOVAL OR INSTALL
- CONCRETE WORK (sidewalks, curbs, etc.) REMOVAL OR INSTALL
- ROCK EXCAVATION OR SUB-WATER
- PUBLIC UTILITY COST; NOT RESPONSIBLE FOR UNDERGROUND OR OVERHEAD PUBLIC UTILITY RE-LOCATIONS OR COVERINGS COSTS
- TRAFFIC CONTROL (or police)
- SURVEYING
- RESTORATION (sprinklers, landscaping)
- HAZMAT HANDLING
- PERMITS OTHER THAN ELECTRICAL (not responsible for obtaining permits or permit fees other than electrical permits)
- IF AN INSTALLER OF ANY KIND OTHER THAN C & D ELECTRIC IS REQUESTED, ADDITIONAL COST WILL BE ADDED
- PAVEMENT MARKINGS
- TRANSFORMERS
- ENGINEERING FEES, DESIGN, OR STAMP
- STRUCTURAL ENGINEER ON SITE
- NON-LOCATABLE UTILITIES (if there are non-locatable utilities on job site, additional charge may be required)
- TESTING (concrete)
- SIGNS, REGULATORY
- OPTICOMS
- IF COMMON BORE IS NOT USED, ADDITIONAL BORE CHARGE WILL BE ADDED
- SWMP, STREET SWEEPING, DUST PALLIATIVE, AND EROSION CONTROL
- FLOW FILL

LEAD TIME ON MATERIAL IS APPROXIMATELY 19 TO 23 WEEKS AFTER SIGNED SUBMITTAL APPROVAL.

MUST HAVE EXACT POLE LOCATION, ELEVATION, AND PLACEMENT PRIOR TO POLE INSTALL.

PROJECT QUOTED AS TAX EXEMPT

ADD 2.0% PERFORMANCE BOND IF REQUIRED.

PRICES ARE GOOD FOR 30 DAYS.

ONLY ELECTRICAL PERMIT INCLUDED. ALL OTHER PERMITS, FEES, AND CITY COSTS ARE EXCLUDED.

WHEN DRILLING FOR A CAISSON, CONDUIT, AND/OR POTHOLING, IF ROCK OR SUB WATER IS ENCOUNTERED, ADDITIONAL COST WILL BE APPLIED ACCORDING TO REQUIREMENT. IF SPECIAL EQUIPMENT IS REQUIRED, SUCH AS ROCK DIRECTIONAL DRILL, VACUUM TRUCK, OR CASING, ADDITIONAL CHARGES WILL BE ADDED.

NOT RESPONSIBLE FOR UTILITIES IMPROPERLY PAINTED OR FLAGGED.

NO GENERATOR INCLUDED.

POTHOLE HOURS ARE BASED ON POTHOLING, PREP AND TRAVEL TIME.

POTHOLE WILL BE PATCHED WITH SQUEEGEE OR PEA GRAVEL AND TOPPED WITH DIRT.

C & D UNDERGROUND/ELECTRIC IS NOT RESPONSIBLE FOR MAINTAINING POTHOLE PATCHES.

THERE IS AN ADDITIONAL CHARGE IF FLOW FILL IS REQUIRED.



Respectfully Submitted
C & D Electric, Inc.