



PUBLIC IMPROVEMENTS OPINION OF COSTS

Project Information
Project Name:
PZ#
Phase _____ of _____ (Separate summaries shall be provided for each phase if applicable)
Description of Project , including purpose and other relevant information like phasing
Location (Describe property location and major crossroads)
Address (of Existing Buildings or Property)
Legal Description (Lots, Blocks, Tracts and Subdivision Name)
Provide the following estimated value of the public improvements that will be constructed and accepted by the City to own and maintain. The units presented here are intended to assist in providing consistent units and quantities for review. Provide additional items if they are not shown on this list, but may be included in the project. In addition, separate summaries shall be provided for adjacent, on-site and off-site public improvements.
Certification by Professional Engineer
- I certify that the information provided on this form is true and correct to the best of my knowledge. - I certify that I am acting with the knowledge, consent, and authority of the owners of the property (including all owners having legal or equitable interest in the real property, as defined in Section 1.04.020 of the City Code and common areas legally connected to or associated with the property.
Signature: _____ Date: _____
Place Professional Engineer Stamp Here

Erosion Control						
Description & ID	Units	Installation Unit Cost	Maintenance as % of Installation	Installation & Maintenance Unit Cost	Estimated Quantity	Item Cost
Check Dam (CDR)	LF		25%			
Check Dam (Reinforced) (CDR)	LF		25%			
Concrete Washout Area (CWA)	EA		200%			
Construction Fence (CF)	LF		25%			
Construction Markers (CM)	LF		50%			
Culvert Inlet Filter (CIF)	LF		25%			
Dewatering (DW)	EA		50%			
Division Ditch (Unlined) (DD)	LF		25%			
Division Ditch (ECM or plastic) (DD)	LF		10%			
Sediment/Erosion Control Matting (ECM)	SY		25%			
Inlet Protection (IP)	LF		50%			
Reinforced Rock Berm (RRB)	LF		25%			
Sediment Basin (SB)	LF		25%			
Sediment Control Log (Wattle) (SCL)	LF		25%			
Seeding and Mulching (SM)	AC		50%			
Slit Fence (SF)	LF		75%			
Slope Drain (SD)	LF		10%			
Stabilization Staging Area (SSA)	SY		50%			
Surface Roughening (SR)	AC		25%			
Temporary Stream Crossing (TSC)	EA		25%			
Topsoil (6-inch Lift) (TSL)	AC		25%			
Vehicle Tracking Control (VTC)	EA		100%			
Erosion Control Subtotal						

Street Improvements				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Clearing and Grubbing	LS			
Removal of Structures and Obstructions	EA			
Subgrade Preparation	SY			
Excavation	CY			
Borrow	CY			
Fill	CY			
Rock Excavation	CY			
Filter Material	CY			
Lime Treatment	SY			
Asphalt Patching	TON			
Asphalt Pavement	TON			
Base Course	TON			
Concrete Pavement	SY-IN			
Geo-textile	SY			
Riprap	CY			
Survey Monuments	EA			
Survey Manholes	EA			
Adjust Valves	EA			
Adjust Monuments	EA			
Median Cover Material (Concrete)	SY			
Street Improvements Subtotal				

Structures				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Bridge Structure	EA			
Culverts	EA			
Guardrail	LF			
Railing (Pedestrian)	LF			
Railing (Traffic)	LF			
Headwalls	EA			
Structures Subtotal				

Pedestrian and Bikeway Facilities				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Sidewalk Grading	SY			
4-Inch Thick Sidewalk	SY			
6-Inch Thick Sidewalk	SY			
Directional Curb Ramp	SY			
Corner Curb Ramp	SY			
Mid Block Ramp	SY			
Concrete Bikeway	SY			
Sidewalk Chase	EA			
Curb & Gutter Grading	LF			
Curb & Gutter - Type II	LF			
Curb & Gutter - Type I	LF			
Glue-down Curb	LF			
Pedestrian and Bikeway Facilities Subtotal				

Street Lighting - Local & Minor Collector Streets in Loveland (City Limits Only)				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Standard Pedestrian Light	EA			
Standard Street Light	EA			
Street Lighting Subtotal				

Traffic Signals, Signing, & Striping				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Standard Street Signs	EA			
Standard Sign Post	EA			
Standard Regulatory Signs	EA			
Standard Speed Limit Signs	EA			
Latex Paint (4 inches)	LF			
Latex Paint (8 inches)	LF			
Latex Paint (12 inches)	LF			
Latex Paint (18 inches)	LF			
Latex Paint (24 inches)	LF			
Epoxy Pavement Markings (4 inches)	LF			
Epoxy Pavement Markings (8 inches)	LF			
Epoxy Pavement Markings (12 inches)	LF			
Epoxy Pavement Markings (18 inches)	LF			
Epoxy Pavement Markings (24 inches)	LF			
Preformed Tape for Symbols & Crosswalks	LF			
Preformed Thermoplastic	SF			
Traffic Signals	EA			
Traffic Signals, Signing, & Striping Subtotal				

Work Zone Traffic Control				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Traffic Control	LS			
Work Zone Traffic Control Subtotal				

Storm Drainage Facilities				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Grading	SY			
Inlets	EA			
Manholes	EA			
Pipe (Material Type - Size)	LF			
Trickle Channel (width)	LF			
Storm Drainage Facilities Subtotal				

Public Water System				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Mobilization	LS			
Water Main (Material Type - Size) (including main fittings, main valves, temp blow-offs, standard bedding, thrust restraint)	LF			
Testing & Disinfection	LS			
Fire hydrant assembly complete (including tee, lateral and valve)	EA			
Special Valves (Not including main or fire hydrant)	EA			
3/4" - 1" Meter Services/Pits (including saddle, corp stop, service line, curb stop, yoke, meter pit)	EA			
1.5" - 6" Meter Services/Vaults (including saddle/fitting, corp or valve, service line, curb stop or valve, meter set, meter)	EA			
Steel Casing	LF			
Pressure Reducing Valve Vault	EA			
Special Lowering/ Crossing	EA			
Special Tie-in/Connection/Wet tap	EA			
Inline blow off and outlet structure (large main)	EA			
Air and Vacuum Release Valve and Vault Assembly	EA			
Special Bedding	CY			
Asphalt Repair & Removal	CY			
Site Restoration & Reveg.	CY			
Traffic Control	CY			
Erosion Control	LS			
Public Water System Subtotal				

Public Wastewater System				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Mobilization	LS			
Wastewater main (Material Type - Size) (including standard bedding & Groundwater barriers)	LF			
Wastewater main (Extra Depth >15') (Material Type - Size)	LF			
Standard Manhole	EA			
Extra Depth Manhole (>15')	EA			
Flat Top Manhole (< 5')	EA			
Outside Drop manhole connection	EA			
Special Tie-ins/Connections to ex MH	EA			
Manhole Sealant (not Ramneck)	EA			
Jet & Clean, and Test Main and MHs	LS			
Wastewater Service (complete)	EA			
Steel Casing	LF			
Special Bedding	CY			
Asphalt Repair & Removal	CY			
Site Restoration & Reveg.	CY			
Traffic Control	CY			
Erosion Control	LS			
Public Wastewater System Subtotal				

Removal and Repair				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Asphalt Patching	SY			
Concrete Sidewalk R&R	SY			
Concrete Curbwalk R&R	LF			
Milling	SY			
Asphalt Removal	SY			
Removal and Repair Subtotal				

Construction Surveying/Staking				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Construction Surveying/Staking Subtotal				

Material Testing				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Material Testing Subtotal				

Record Drawings				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Record Drawings Subtotal				

Construction Management				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Construction Management Subtotal				

Landscaping				
Description	Units	Unit Cost	Estimated Quantity	Item Cost
Soil Amendment	SY			
Underground Irrigation	LS			
Temporary Above Ground Irrigation	LS			
Final Grading	SY			
Seeding	SY			
Turf/Sod	SY			
Deciduous 2" Trees	EA			
Deciduous 1 1/2" Trees	EA			
Evergreen Trees 6 foot	EA			
Shrubs 3.5 gallon	EA			
Fences/Walls/Retaining Walls	LF			
Hardscape/furniture, trash receptacles, shelters, trails, sidewalks, etc.	LS			
Landscaping Subtotal				

Subtotal	
Public Water System Subtotal	\$0.00
Public Wastewater System Subtotal	
Landscaping Subtotal	
Subtotal of ALL OTHER ITEMS	

Total	
Total Cost Estimate of the Public Improvements	
Surety Total = 15% of Total Cost Estimate	

PIA ONLY - 110%	
0% Contingency and Inflation Total	
IPIA Total = 110% of Total Cost Estimate	

Public Works: _____ Date: _____
 Stormwater: _____ Date: _____
 Water/Waste Water: _____ Date: _____
 Planning: _____ Date: _____