

Manhole						
EPC Type 1 (Box Base) <5' deep		Ea.	@		=	\$ -
EPC Type 1 (Box Base) 10' deep		Ea.	@		=	\$ -
EPC Type 1 (Box Base) 15' deep		Ea.	@		=	\$ -
EPC Type 2 (Slab Base) <5' deep		Ea.	@		=	\$ -
EPC Type 2 (Slab Base) 10' deep		Ea.	@		=	\$ -
EPC Type 2 (Slab Base) 15' deep		Ea.	@		=	\$ -
EPC Type 3 (T Base) <10' deep		Ea.	@		=	\$ -
EPC Type 3 (T Base) 15' deep		Ea.	@		=	\$ -
Custom Inlet Structure (e.g. Detention Ponds)		Ea.	@		=	\$ -
Perforated Pipe Underdrain, <8.1" Dia.		Lin. Ft.	@		=	\$ -
Reinforced Concrete Pipe (RCP)						
18" RCP		Lin. Ft.	@		=	\$ -
21" RCP		Lin. Ft.	@		=	\$ -
24" RCP		Lin. Ft.	@		=	\$ -
27" RCP		Lin. Ft.	@		=	\$ -
30" RCP		Lin. Ft.	@		=	\$ -
36" RCP		Lin. Ft.	@		=	\$ -
42" RCP		Lin. Ft.	@		=	\$ -
48" RCP		Lin. Ft.	@		=	\$ -
54" RCP		Lin. Ft.	@		=	\$ -
60" RCP		Lin. Ft.	@		=	\$ -
66" RCP		Lin. Ft.	@		=	\$ -
72" RCP		Lin. Ft.	@		=	\$ -
78" RCP		Lin. Ft.	@		=	\$ -
84" RCP		Lin. Ft.	@		=	\$ -
90" RCP		Lin. Ft.	@		=	\$ -
96" RCP		Lin. Ft.	@		=	\$ -
__" RCP		Lin. Ft.	@		=	\$ -
Elliptical Reinforced Concrete Pipe (ERCPC)						
14" x 23" ERCPC		Lin. Ft.	@		=	\$ -
19" x 30" ERCPC		Lin. Ft.	@		=	\$ -
22" x 34" ERCPC		Lin. Ft.	@		=	\$ -
24" x 38" ERCPC		Lin. Ft.	@		=	\$ -
27" x 42" ERCPC		Lin. Ft.	@		=	\$ -
29" x 45" ERCPC		Lin. Ft.	@		=	\$ -
32" x 49" ERCPC		Lin. Ft.	@		=	\$ -
34" x 53" ERCPC		Lin. Ft.	@		=	\$ -
38" x 60" ERCPC		Lin. Ft.	@		=	\$ -
43" x 68" ERCPC		Lin. Ft.	@		=	\$ -
48" x 76" ERCPC		Lin. Ft.	@		=	\$ -
__" x __" ERCPC		Lin. Ft.	@		=	\$ -
Corrugated Steel Pipe (CSP)						
18" CSP		Lin. Ft.	@		=	\$ -
24" CSP		Lin. Ft.	@		=	\$ -
30" CSP		Lin. Ft.	@		=	\$ -
36" CSP		Lin. Ft.	@		=	\$ -
42" CSP		Lin. Ft.	@		=	\$ -
48" CSP		Lin. Ft.	@		=	\$ -
54" CSP		Lin. Ft.	@		=	\$ -
60" CSP		Lin. Ft.	@		=	\$ -
66" CSP		Lin. Ft.	@		=	\$ -
72" CSP		Lin. Ft.	@		=	\$ -
78" CSP		Lin. Ft.	@		=	\$ -
84" CSP		Lin. Ft.	@		=	\$ -
90" CSP		Lin. Ft.	@		=	\$ -
96" CSP		Lin. Ft.	@		=	\$ -
__" CSP		Lin. Ft.	@		=	\$ -
Corrugated Steel Arch Pipe (CSAP)						
21" x 15" CSAP		Lin. Ft.	@		=	\$ -
24" x 18" CSAP		Lin. Ft.	@		=	\$ -

		@	=	\$	-
		@	=	\$	-
				Subtotal	\$ -
EROSION CONTROL DEVICES					
Clearing & Grubbing	Lump Sum	@	=	\$	-
Safety Fence	Lin.Ft.	@	=	\$	-
Stabilized Construction Entrance	Ea.	@	=	\$	-
Erosion Bale	Ea.	@	=	\$	-
Erosion Log	Lin.Ft.	@	=	\$	-
Reinforced Silt Fence	Lin.Ft.	@	=	\$	-
Curb Inlet Protection	Ea.	@	=	\$	-
Culvert Inlet Protection	Ea.	@	=	\$	-
Diversion Berm	Lin.Ft.	@	=	\$	-
Fill Diversion	Lin.Ft.	@	=	\$	-
Right-of-Way Diversion	Lin.Ft.	@	=	\$	-
Sediment Basin	Ea.	@	=	\$	-
Erosion Control Blanket	Sq. Yd.	@	=	\$	-
Sediment/Stormwater Basin	Lump Sum		=	\$	-
Paved Flume	Sq. Yd.	@	=	\$	-
Stormwater Conveyance Channel	Lump Sum		=	\$	-
Seeding					
Native	Acre	@	=	\$	-
Wetlands	Acre	@	=	\$	-
Sodding	Sq. Ft.	@	=	\$	-
Mulching	Acre	@	=	\$	-
Rip-Rap					
d50=9" diameter	Cu. Yd.	@	=	\$	-
d50=12" diameter	Cu. Yd.	@	=	\$	-
d50=18" diameter	Cu. Yd.	@	=	\$	-
d50=24" diameter	Cu. Yd.	@	=	\$	-
d50=30" diameter	Cu. Yd.	@	=	\$	-
d50=36" diameter	Cu. Yd.	@	=	\$	-
Grouted Riprap	Cu. Yd.	@	=	\$	-
Geotextile - Erosion Control	Sq. Yd.	@	=	\$	-
Concrete Slope & Ditch Paving	Cu. Yd.	@	=	\$	-
Check Dam	Ea.	@	=	\$	-
Temporary Seeding/Mulch	Acre	@	=	\$	-
		@	=	\$	-
				Subtotal	\$ -
				25%	
				Project Total	\$ -

1.2 CERTIFICATION OF SURETY ESTIMATE

I hereby certify that this is an accurate estimate of the construction related costs by unit of the Construction Plans identified as _____ and dated _____.

Signature of Design Engineer

Date and Stamp

Applicant/Property Owner

Date

DEFECT SURETY (TYPICAL WORDING)

KNOW ALL MEN BY THESE PRESENTS: That (Owner or Contractor and Address) as Principal and the (Insurance Company) as a (Name of State) corporation authorized to execute an approved form of surety in the State of Colorado, and duly authorized to transact a general surety business in the State of Colorado, as Surety, are held and firmly bound unto County of El Paso, State of Colorado, in the sum of (20% of Contract Price) lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT: WHEREAS (The Principal) has _____, and WHEREAS, the said (Principal) is required to give a form of surety in the amount of (20% Contract Price) to protect the said COUNTY OF EL PASO against the result of faulty materials or workmanship for a period of TWO YEARS from and after the date of completion and preliminary acceptance of said work;

NOW, THEREFORE, if the said (Principal) shall for a period of TWO YEARS from and after the date of completion and acceptance of said work, replace any and all defects arising in said work whether resulting from defective materials or defective workmanship, then the above obligation to be void; otherwise, to remain in full force and effect.

Signed and sealed this _____ day of _____, 20__.

PERFORMANCE SURETY (TYPICAL WORDING)

WHEREAS, the County of El Paso, State of Colorado, and _____
(hereinafter designated as "Principal") have entered into an agreement whereby Principal agrees to install and complete certain designated public and development or subdivision improvements, which said agreement, dated _____, and identified as Project _____ is hereby referred to and made a part hereof; and

WHEREAS, Principal is required under the terms of said agreement to furnish surety for the faithful performance of said agreement;

NOW, THEREFORE, we, the Principal and _____, as Surety, are held firmly bound unto the County of El Paso (hereinafter called "County") in the penal sum of _____ Dollars (\$_____) of lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in said agreement and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the County, its elected officials, officers, employees, agents, and volunteers, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by County in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered. The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the agreement or to the work to be performed thereunder or the specifications accompanying the same shall in manner affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the agreement or to the work or to the specifications.

IN WITNESS WHEREOF, this instrument has been duly executed by the Principal and Surety above named on _____:

Appendix H Performance Surety Form
Adopted: 1/9/2006
Revised: 1/1/2008
REVISION 2

APPROVED AS TO FORM:

COUNTY ATTORNEY

ATTEST:

County Clerk (Seal)

Name of Principal

By: _____
(Seal)

Name of Surety

By: _____
(Seal) Attorney-in-Fact

PUNCHLIST INSPECTION FORM

1.1 PURPOSE

The purpose of this form is to ensure the completion a preliminary or final acceptance punchlist inspection and provide a comprehensive list of needed corrections.

1.2 INSPECTION CODES

The following codes shall be used:

NA - not applicable, NI – not installed, WU – work underway

1.3 DRAINAGE CONDITIONS CONFORM TO PLANS AND ARE ACCEPTABLE:

- Permanent BMPs
- Culverts
- Storm Sewers
- Manholes (including risers, steps, and inverts)
- Inlets (including risers, steps, and inverts)
- Drainage Contained Within the Right-of-Way
- Platted Drainage Easement
- Construction BMPs Removed

1.4 ROADWAY CONDITIONS CONFORM TO PLANS AND ARE ACCEPTABLE:

- Paved Surface in Acceptable Condition (i.e. free of cracking and potholes)
- Pavement Crown & Super Elevation Acceptable
- Shoulders to Grade and Stabilized
- Roadside Ditches Acceptable
- Cut Slopes to Grade and Stabilized
- Fill Slopes to Grade and Stabilized
- Paved Surface Cleared of Loose Stone

1.5 RIGHT-OF-WAY:

- Clear of Vegetation
- Clear of Debris
- Curbing Acceptable
- Sidewalk Acceptable
- Driveway Entrances Properly Installed According to Road Plan or Site Plan
- Driveway Entrances and/or Commercial Entrances Located as shown on Plans
- Guardrail Installed in Correct Location(s)
- Guardrail Installed at Correct Distance from Edge of Pavement
- Proper Guardrail End Sections Installed in Approved Manner

Appendix H Punchlist for Preliminary and Final Acceptance Inspection
Adopted: 1/9/2006
Revised: 1/1/2008
REVISION 2

- _____ Grass on Shoulders & Ditches Has Been Mowed
- _____ Dead Trees Removed That Might Fall in Right-Of-Way
- _____ Shoulders and Ditches Free of Loose Stone
- _____ Driveway Pipes Clean and Functioning Properly

1.6 INSPECTION RESULTS

An Inspection Report shall be completed with all items failing to adhere to the approved plans and ECM Standards and specifications. This handwritten punchlist is to be typed, proofed, and then given to the engineer. In addition, the completed Inspection Form shall be put in the project file.

SCHEDULE FOR COMPLETION OF IMPROVEMENTS

1.1 PURPOSE

This form is intended to facilitate the completion of approved improvements in a timely manner by assuring the applicant has a schedule in place for the completion of the improvements, and by providing the County a means to assess the applicant's ability to meet the completion date stated in the approved agreement. The permit holder must provide an estimated completion date for each milestone listed below.

1.2 GENERAL INFORMATION

Date: _____

Applicant: _____

Phone: _____

Tax Map Parcel No.: _____

Project Name (Include phase, section, and other relevant information to clearly identify the project): _____

Date	Milestone
	Start of construction.
	Temporary erosion control systems installed (Initial BMPs).
	Grading, subgrade, and stormwater management activities completed.
	Road base constructed to required grade.
	Asphalt, curb and gutter installation completed.
	End of construction.
Office Use	
	Road Improvements "Preliminary Acceptance Inspection"
	Road Improvements "Final Inspection" (private roads accepted at this point)
	Public Road "Preliminary Acceptance" notification received from BOCC.

1.3 AUTHORIZATION OF REQUEST

Signature of Applicant

Print Applicant Name

Title (if appropriate)

SURETY RELEASE INSPECTION REQUEST

1.1 PURPOSE

This form is used to request that an inspection be scheduled to determine if the following performance sureties can be reduced or released (check below all that apply). Requests are required for either partial or full release of any construction surety. Requests for construction surety reduction will be subject to the following conditions based upon the percentage of work completed and approved by the County, or other authority or agency having jurisdiction over the improvement. The following conditions apply to surety reductions and inspection fees.

- No more than three inspections for surety reductions will be scheduled during any twelve-month period.
- A surety reduction inspection fee must accompany each request for reduction.
- Inspections will be scheduled within 30 days of receipt of the surety reduction inspection request form and applicable fee.
- Reductions will not occur until completion and approval of at least 30% of the proposed improvements.
- 20% of the original construction surety amount will be retained until final completion and preliminary acceptance of all improvements.

Inspections will be scheduled within thirty days of receipt of this request and the required fee.

Inspections must be requested by the permit holder.

1.2 GENERAL INFORMATION

Date: _____

Applicant: _____

Phone: _____

Tax Map Parcel No.: _____

Project Name (Include phase, section, and other relevant information to clearly identify the project): _____

1.3 SURETY RELEASE INFORMATION

- Water Protection Performance Surety**
- Erosion & Sediment Control***
- Stormwater Management & Water Quality***

Identification No.: _____

Description of Release Requested: _____

Appendix H Surety Release Request Form

Adopted: 1/9/2006

Revised: 1/1/2008

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Amount of Requested Release: _____

Subdivision/Public Improvement Performance Surety

Roads & Drainage (at least 30% of the work must be satisfactorily completed before requesting an inspection for reduction)

Water & Sewer (at least 30% of the work must be satisfactorily completed before requesting an inspection for reduction)

Other – list below (i.e. landscaping, pedestrian paths)

Identification No.:

Description of Release Requested: _____

Amount of Requested Release: _____

Work in the Right-of-Way Performance Surety

Identification No.:

Description of Release Requested: _____

Amount of Requested Release: _____

Site Development Performance Surety

Identification No.:

Description of Release Requested: _____

Amount of Requested Release: _____

1.4 FEE

SUBMIT REQUIRED SURETY INSPECTION FEE - make check payable to the El Paso County and submit with request.

1.5 AUTHORIZATION OF REQUEST

Signature of Permit Holder

Print Permit Holder Name

Title (if appropriate)

Appendix H Surety Release Request Form
Adopted: 1/9/2006
Revised: 1/1/2008
REVISION 2