



**ADDENDUM #1
Public Works
Precast Box Culvert Hygiene Road at Foothills Reservoir Inlet
BID #7470-23**

May 12, 2023

The attached addendum supersedes the original Information and Specifications regarding BID #7470-23 where it adds to, deletes from, clarifies, or otherwise modifies. All other conditions and any previous addendums shall remain unchanged.

ATTENTION:

Requirement of epoxy coated rebar is removed from this project. Remove Note 6, lines 12-13 and Note #8, lines 15-16 from General notes on Sheet 39 of the Hygiene Road at Foothills Reservoir Inlet Plans.

See the attached plan sheet revision at the end of this document.

Please note: BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org.

Submittal Instructions:

Submittals are due at the email box only, listed below, for time and date recording on or before **2:00 p.m. Mountain Time on May 23, 2023.**

Please note that email responses to this solicitation are limited to a maximum of 50MB capacity.

NO ZIP FILES OR LINKS TO EXTERNAL SITES WILL BE ACCEPTED. THIS INCLUDES GOOGLE DOCS AND SIMILAR SITES. ALL SUBMITTALS MUST BE RECEIVED AS AN ATTACHMENT (E.G. PDF, WORD, EXCEL).

Electronic submittals must be received in the email box listed below. Submittals sent to any other box will NOT be forwarded or accepted. This email box is only accessed on the due date of your questions or proposals. Please use the Delivery Receipt option to verify receipt of your email. It is the sole responsibility of the proposer to ensure their documents are received before the deadline specified above. Boulder County does not accept responsibility under any circumstance for delayed or failed email or mailed submittals.

Email purchasing@bouldercounty.org; identified as **BID # 7470-23** in the subject line.

All proposals must be received and time and date recorded at the purchasing email by the above due date and time. Sole responsibility rests with the Offeror to see that their bid is received on time at the stated location(s). Any bid received after due date and time will be returned to the bidder. No exceptions will be made.

The Board of County Commissioners reserve the right to reject any and all bids, to waive any informalities or irregularities therein, and to accept the bid that, in the opinion of the Board, is in the best interest of the Board and of the County of Boulder, State of Colorado.



**RECEIPT OF LETTER
ACKNOWLEDGMENT**

May 12, 2023

Dear Vendor:

This is an acknowledgment of receipt of Addendum #1 for BID #7470-23, **Precast Box Culvert Hygiene Road at Foothills Reservoir Inlet.**

In an effort to keep you informed, we would appreciate your acknowledgment of receipt of the preceding addendum. Please sign this acknowledgment and email it back to purchasing@bouldercounty.org as soon as possible. If you have any questions, or problems with transmittal, please call us at 303-441-3525. This is also an acknowledgement that the vendor understands that **due to COVID-19, BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org.**

Thank you for your cooperation in this matter. This information is time and date sensitive; an immediate response is requested.

Sincerely,

Boulder County Purchasing

Signed by: _____ **Date:** _____

Name of Company _____

GENERAL NOTES:

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2022 STANDARD SPECIFICATIONS OF THE DIVISION OF HIGHWAYS, STATE OF COLORADO, APPLICABLE TO THE PROJECT.

STRUCTURE EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH STANDARD M-603-3.

EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M213.

THE FINAL FINISH FOR THE SURFACE OF THE CURBS SHALL BE CLASS 4. ALL OTHER EXPOSED CONCRETE SURFACES SHALL RECEIVE A CLASS 1 FINAL FINISH TO ONE FOOT BELOW THE GROUND LINE.

GRADE 60 REINFORCING STEEL IS REQUIRED AND SHALL BE PAID FOR UNDER CONCRETE CLASS D (BOX CULVERT).

~~ALL REINFORCING STEEL SHOWN IN THESE PLANS SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED.~~

Ⓝ DENOTES NON COATED REINFORCING STEEL

~~REBAR IN TOP SLAB OF BOX CULVERT SHALL BE EPOXY COATED PER M-601-1 SHEET 2 NOTE 5.~~

PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL SHOWN IN THESE PLANS EXCEPT WHERE OTHERWISE NOTED.

CAST-IN-PLACE CONCRETE SHALL BE CLASS D.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.

STATION, ELEVATIONS, AND DIMENSIONS CONTAINED IN THESE PLANS ARE CALCULATED FROM A RECENT FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.

ALL CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER.

ALL WORK SHALL CONFORM TO RECOMMENDATIONS, AS APPLICABLE, DISCUSSED IN THE GEOTECHNICAL REPORT. FOR MORE INFORMATION, INCLUDING SUBGRADE PREPARATION, SEE REPORT PREPARED BY MARTINEZ ASSOCIATES INC, NAMED GEOTECHNICAL ENGINEERING INVESTIGATION FOR CULVERT REPLACEMENT UNDER HYGIENE ROAD, DATED 02/27/23.

PRECAST CONCRETE BOX CULVERT. SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C1577.

GUARDRAIL TYPE 3 SHALL BE IN ACCORDANCE WITH STANDARD M-606-1.

WINGWALL DETAILS SHALL BE IN ACCORDANCE WITH STANDARD M-601-20.

THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO VOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 AT LEAST THREE DAYS (NOT INCLUDING THE DAY OF NOTIFICATION) PRIOR TO ANY EXCAVATION OR OTHER EARTHWORK.

DESIGN DATA:

AASHTO, NINTH EDITION LRFD 2020 (PRECAST BOX AND HEADWALLS)

DESIGN METHOD: LOAD AND RESISTANCE FACTOR DESIGN

LIVE LOAD: HL-93 (DESIGN TRUCK OR TANDEM, AND DESIGN LOAD)

EARTH DL = 125 PCF
EQUIVALENT ACTIVE FLUID PRESSURE = 35 PCF (IMPORTED CLASS 1 STRUCTURE BACKFILLS)
EQUIVALENT AT-REST FLUID PRESSURE = 55 PCF (IMPORTED CLASS 1 STRUCTURE BACKFILL)
ULTIMATE (UNFACTORED) LRFD SOIL BEARING CAPACITY = 5,500 PSF

MATERIAL STRENGTH:
CLASS D CONCRETE: f'_c = 4,500 psi
REINFORCING STEEL: f_y = 60,000 psi
PRECAST CONCRETE: f'_c = Per Manufacturer

ABBREVIATION:

ABC = AGGREGATE BASE COURSE	FF = FRONT FACE
BF = BACK FACE	GALV. = GALVANIZED
BOT = BOTTOM	HBP = HOT BITUMINOUS PAVEMENT
CBC = CONCRETE BOX CULVERT	HCL = HORIZONTAL CONTROL LINE
CLR. = CLEAR	JT. = JOINT
CONST. = CONSTRUCTION	N.F. = NEAR FACE
CONT. = CONTINUOUS	NTS = NOT TO SCALE
DWG. = DRAWING	NO. = NUMBER
EF = EACH FACE	PGL = PROFILE GRADE LINE
EQ = EQUAL	ROW = RIGHT-OF-WAY
EXP. = EXPANSION	TYP. = TYPICAL

INDEX OF DRAWINGS:

39 BOX CULVERT GENERAL INFORMATION
40 BOX CULVERT GENERAL LAYOUT
41 BOX CULVERT TYPICAL SECTION
42 BOX CULVERT DETAILS
43 WINGWALL DETAILS

SUMMARY OF QUANTITIES:

ITEM No.	DESCRIPTION	Unit	Total Qty
202-00020	Removal of Concrete Box Culvert	EACH	1
206-00000	Structure Excavation	CY	540
206-00100	Structural Backfill (Class 1)	CY	131
206-01750	Shoring (Temporary)	LS	1
515-00120	Waterproofing (Membrane)	SY	156
601-03030	Concrete Class D (Box Culvert) (Includes Rebar)	CY	35
603-71606	16x6 Foot Concrete Box Culvert (Precast)	LF	66



4600 S Ulster Street, Suite #1100
Denver, CO 80237
Phone: 303/221-7275, Fax: 303/221-7276

100%



CALL 2-BUSINESS DAYS IN
ADVANCE BEFORE YOU DIG, GRADE,
OR EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES

REVISIONS:

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY PUBLIC WORKS
ENGINEERING DIVISION**

DESIGNED: PH	CAD/C3D: PH	CHECKED: NB	DATE: 4/28/2023
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HYGIENE ROAD AT FOOTHILLS RESERVOIR

BOX CULVERT GENERAL INFORMATION

PROJECT NO: BC-001001-1.4	SHEET NO: 39
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