

ADDENDUM NO. TWO
THORNTON WATER PROJECT
SEGMENT F
PROJECT NO. 12-777XF
CITY OF THORNTON, CO

TO: Prospective Bidders and all others concerned

DATE: October 15, 2026

PURPOSE: To provide additional information and clarification to the solicitation documents for the above-referenced Project.

1. The following shall Add to, Modify, and/or Delete portions of the Project Manual and Drawings for the Project-noted above.
 - A. The due date for Bid Proposals is hereby revised. Sealed Bid Proposals from Pre-Qualified Contractors will be received until **2:00 p.m., Tuesday, October 27, 2026**, at the location in the Invitation for Bid Proposals.
 - B. The Project Manual shall be modified as follows:
 - a. The Attached Section XIII. GEOTECHNICAL REPORTS shall be added to EXHIBIT A – Special Conditions of the Contract.
2. The Question and Response Log – Addendum No. 2 is attached for additional information and clarifications.
3. This Addendum becomes part of the Contract Documents. All other conditions and requirements of the Contract Documents will remain unchanged. Receipt of this Addendum must be acknowledged in the space provided on the Bid Proposal Form in the Project Manual.

END OF ADDENDUM NO. TWO

DocuSigned by:

6DA8F281E4154C8...

Patrick HINTERBERGER
Contracts Supervisor

XIII. GEOTECHNICAL REPORTS

- 13.1 This Contract contains a Geotechnical Baseline Report (“GBR”) included within the Technical Specifications identified as shown in Exhibit C.
- 13.2 The GBR is incorporated as a Contract Document. The GBR, GDR and GIR are to be used in conjunction with other Contract Documents, including the Drawings and Specifications.
- 13.3 The GBR and the GDR describe certain select subsurface conditions that are anticipated to be encountered by Contractor during construction in specified locations (referred to here in the Supplementary Conditions as “Baseline Conditions”). These may include ground, geological, groundwater, and other subsurface geotechnical conditions, and baselines of anticipated Underground Facilities or subsurface structures.
- 13.4 The Baseline Conditions shall be used to assist in the administration of the Construction Contract’s Differing Subsurface or Physical Conditions clause (13.9) at locations where subsurface conditions have been baselined. If a condition is baselined in the GBR, then only the pertinent Baseline Conditions shall be used to determine whether there is a Differing Subsurface condition; and no other indication of that condition in the Contract Documents or Technical Data, or of a condition that describes, quantifies, or measures a similar characteristic of the subsurface, shall be used for the Differing Subsurface condition determination.
- 13.5 The Baseline Conditions shall not be used to make Differing Subsurface conditions determinations at locations that have not been baselined in the GBR, or at any location with respect to subsurface conditions that the Baseline Conditions do not address. If Underground Facilities or Hazardous Environmental Conditions are expressly addressed in the Baseline Conditions, then comparison to such Baseline Conditions shall be the primary means of determining (a) whether an Underground Facility was shown or indicated with reasonable accuracy, as provided in Section 11 of the General Conditions, or (b) whether a Hazardous Environmental Condition was shown or indicated in the Contract Documents as indicated in Section 11 of the General Conditions. As indicated in Paragraph 13.9 below, the GDR shall be the primary resource for Differing Subsurface Conditions determinations in cases in which the GBR is inapplicable.
- 13.6 The descriptions of subsurface conditions provided in the GBR are based on geotechnical investigations, laboratory tests, interpretation, interpolation, extrapolation, and analyses. Neither the City of Thornton, the Engineer, nor any geotechnical or other consultant warrants or guarantees that actual subsurface conditions will be as described in the GBR, nor is the GBR intended to warrant or guarantee the use of specific means or methods of construction.

- 13.7 The behavior of the ground during construction depends substantially upon the Contractor's selected means, methods, techniques, sequences, and procedures of construction. If ground behavior conditions are baselined in the GBR, they are based on stated assumptions regarding construction means and methods.
- 13.8 The GBR shall not reduce or relieve Contractor of its responsibility for the planning, selection, and implementation of safety precautions and programs incidental to Contractors' means, methods, techniques, sequences, and procedures of construction, or to the Work.
- 13.9 Notice of Differing Subsurface or Physical Conditions: If Contractor believes that any subsurface condition that is uncovered or revealed at the Site:
- 13.9.1 Differs materially from conditions shown or indicated in the GBR; or
 - 13.9.2 Differs materially from conditions shown or indicated in the GDR, to the extent the GBR is inapplicable; or
 - 13.9.3 Differs materially from conditions shown or indicated in Contract Documents other than the GBR or GDR, to the extent the GBR and GDR are inapplicable; or
 - 13.9.4 Intentionally omitted;
 - 13.9.5 To the extent the GBR and GDR are inapplicable, is of such a nature as to require a change in the Drawings or Specifications; or
 - 13.9.6 To the extent the GBR and GDR are inapplicable, is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents; then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface conditions or performing any Work in connection therewith (except in an emergency), notify the City in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.
- 13.10 *Engineer's Review:* After receipt of written notice by the City as required by the preceding paragraph, the Engineer will promptly review the subsurface or physical condition in question; determine the necessity of the City's obtaining additional exploration or tests with respect to the condition; conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 13.9 above; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to the City regarding the Contractor's resumption or continuation of Work in connection with the

subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and advise the City in writing of Engineer's findings, conclusions, and recommendations.

13.11 City's Statement to Contractor Regarding Differing Subsurface Condition:

After receipt of Engineer's written findings, conclusions, and recommendations, the City shall issue a written statement to Contractor (with a copy to Engineer) regarding the subsurface or physical condition in question, addressing the resumption or continuation of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.

13.12 Possible Price and Times Adjustments:

Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, or both, to the extent that the existence of a Differing Subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

- a. Such condition must fall within any one or more of the categories described in Paragraph 13.9;
- b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 11.9 of the General Conditions; and
- c. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

13.13 CONTRACTOR shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:

- a. Contractor knew of the existence of such condition at the time Contractor made a commitment to the City with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract, or otherwise;
- b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or
- c. Contractor failed to give the written notice as required by Paragraph 13.9.

- 13.14 If the City and Contractor agree on Contractor's entitlement to an adjustment and the amount or extent of any adjustment in the Contract Price or Contract Times, or both, then any such adjustment shall be set forth in a Change Order.
- 13.15 Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, or both, no later than thirty (30) days after Owner's issuance of the Owner's written statement to Contractor regarding the subsurface or physical condition in question.

Thornton Water Project - Segment F

Project No. 12-777XF

Question and Response Log - Addendum No. 2

October 15, 2026

#	Question	Response
1	F.2 Spec 01 11 00 §1.2.C says Segment F.1 "will be executed under separate Contract Documents by Others." §1.4.D, Section 01 41 24 and the IFB bid schedule treat F.1 and F.2 as one Contract. Please confirm a single contract award and correct §1.2.C by addendum.	Delete 01 11 00- 1.2.C. Specs will be updated for IFC.
2	The Notice to Proceed form shows January 28, 2028. F.2 Spec 01 14 34 §1.2 shows January 31, 2028. Which date governs?	Substantial Completion date revised in Addendum Number One
3	The daily LD amount on the Notice to Proceed form is blank ("XXXXXXXX per Calendar Day"). Please provide the rate, and state whether F.1 and F.2 or any interim milestones carry separate LDs.	See Addendum Number One
4	Substantial Completion is a fixed calendar date and 42-inch steel pipe has a long fabrication lead. Please provide the anticipated Notice of Award and Notice to Proceed dates.	NOA is anticipated within one week of bid date, NTP within 30 days of bid date
5	General Conditions Article X, ¶1 makes a time extension the Contractor's sole remedy for delay and waives the Contractor's consequential damages. No corresponding waiver applies to the City. Will the City make the consequential damages waiver mutual and state that LDs are the City's exclusive remedy for delay?	No
6	Please confirm that crop, pivot and irrigation-system damage within the permanent and temporary easements is the City's responsibility, not the Contractor's.	Crop damages within the permanent and temporary easements are the City's responsibility. Pivot and irrigation system damage within the permanent and temporary easements are the Contractor's responsibility with the exception of the Kraft property (F.1 approximate Sta 206+00 - 234+95) where the Landowner will replace the buried irrigation system that is impacted by construction. Contractor and Construction Manager will confirm the presence of known irrigation systems at individual pre-construction property owner meetings.
7	The Contract Price definition says tariffs may be adjusted under "Section E of the Contract," but Section E covers only tax exemption. The payment provisions let the City withhold for tariff decreases, with no matching adjustment for increases. Will the City add a two-way tariff and price adjustment for steel pipe and casing?	See Addendum Number One
8	We found no Buy America, BABA or American Iron and Steel requirement, and no federal or SRF funding language. Please confirm none applies, including through any funding agreement.	Correct, no Buy America, BAB or American Iron and Steel Requirement, no Federal or SRF Funding.
9	Please confirm the project carries no DBE, MBE or WBE participation goal.	Confirmed
10	The note under the bid schedule refers to pay items "noted with an ** that may vary more than ±25%, but no items are marked. General Conditions Article X also ties time extensions to that asterisk. Which items does the note apply to?	If none have * none apply
11	(a) Does the \$500,000 threshold apply to each firm's combined F.1 + F.2 value? (b) May the list be submitted after bid opening (for example, within 24 hours)? (c) May a listed firm be substituted if it refuses to sign the City's subcontract terms or cannot furnish required bonds or insurance?	(a) Yes (b) No (c) Yes
12	Is Exhibit E due with the bid or after award?	Exhibit E will be populated by COT based on list included in Bid Proposal
13	(a) Please confirm the alternate consists of Items 201 and 202 only. (b) Items 201–202 appear before "Total Base Bid," and a separate blank "Bid Alternate No. 1 Schedule" page also exists. Should 201–202 be carried in the base total or only in the alternate total? (c) Will award be based on Base Bid alone, or Base Bid plus Alternate?	(a) Bid alternate consists of 201-202 only. (b) Carry 201-202 in "Total Bid Alternate No. 1 Proposal" only. (c) Award will be based on sum of "Total Base Bid Proposal" and "Total Bid Alternate No. 1 Proposal."
14	Bid form Item 201 is a 60-inch casing. F.2 Spec 01 20 00, Bid Alternative 1, calls it 54-inch. Which is correct?	60-inch as shown in drawings 01C125 and 01C509.
15	F.2 Spec 01 20 00 numbers pay items 1–37; the bid form uses 101–145. Please confirm the crosswalk or issue a revised 01 20 00.	For F.1, Spec Section 01 20 20 bid item numbering matches Bid Tab. For F.2, bid item #1 in Spec Section 01 20 00 matches #101 in Bid Form, bid item #2 in Spec Section 01 20 00 matches #102 in Bid Form, etc. Specifications will be updated for IFC.
16	F.1 Item 9 and F.2 Item 134 both describe the same tie-in. Which item carries it? F.2 also states "Materials will be provided by the Owner" for Item 134. What materials does the City furnish, and when?	Based on the Project being constructed as a single project by a single construction contractor, F.1 Bid Item 9 and F.2 Bid 134 are removed as well as the buried manways associated with this connection. Furthermore, the Contractor has the option of pressure testing F.1's Test Segment No. 3 with the pressure testing of F.2 as long as the Contractor adheres to the most stringent of the two segments' pressure test requirements. Contractor's bid for hydrostatic testing should include all costs associated with installing and removing test bulkhead(s), buried manway(s), joint cleanup, etc. and be included under the appropriate Bid Items. Drawings will be updated for IFC.
17	Item 35 is titled 24" CMP replacement but specifies a new 30" CSP. Item 36 is titled 12" CMP but specifies a new 15" CSP. Is the upsizing intended?	Yes. The 24" CMP is to be replaced with a new 30" CSP. The 12" CMP is to be replaced with a new 15" CSP. The bid form lists the existing culvert sizes.

18	Drawing G-002 Note 28 lists 6 buttstraps and 12 filler rings. Spec 01 20 20 lists 2 buttstraps and 8 filler rings. Which is correct?	Revise loose items to furnish as follows: 1) One (1) 50 ft stick, 0.281" wall. 2) One (1) 50 ft stick, 0.250" wall. 3) Three (3) buttstraps, 0.281" wall. 4) Seven (7) buttstraps, 0.250" wall. 5) Four (4) filler rings. 6) Eliminate the four (4) 45 degree bends. Specs will be updated for IFC.
19	The IFB insurance requirements refer to "Great Western Railway," but the only railroad crossing is BNSF at STA 311+71. Please confirm the RRPL requirements for BNSF: limits, who procures the policy, and which pay item covers it.	BNSF is the only railroad crossing. "Great Western Railway" will be revised to say "BNSF." Contractor is required to provide and maintain the insurance coverage as set forth in the [revised] Exhibit G. The Contractor is not required to obtain railroad protection liability insurance since Thornton will participate in BNSF's railroad protection liability blanket policy (per terms of Thornton's license agreement with BNSF). Contractor shall name the following as an additional insured: Burlington Northern Santa Fe, LLC", "BNSF Railway Company" and the subsidiaries, successors, assigns and affiliates of each. Item shall be paid under Pay Item 1. Contractor and relevant subcontractors must complete safety training at https://www.bnsfcontractor.com/ prior to construction.
20	F.1 Item 17 requires bidders to assume BNSF right-of-entry, inspector and flagging fees of no less than \$2,500 per day, without stating a duration. (a) Will the City convert these fees to an allowance or pay them at actual cost? (b) If not, how many days should bidders carry? (c) Has the BNSF permit (Vol. 5, Attachment 5.5) been issued, and to whom? Does the Contractor still execute its own Contractor Right of Entry?	BNSF flagging and inspection costs should cover the Contractor's duration for work within the BNSF right-of-way. (a) The fees will not be converted to an allowance and should be included in the Contractor's costs. (b) Contractor should price the flagging and inspection costs for as long as it will take to cross the BNSF right-of-way based on the tunneling schedule and means & methods. (c) The BNSF permit (license agreement) is still being acquired by Thornton and will be issued to Thornton. Yes. Contractor shall execute its own Right of Entry.
21	Which permits are in hand, and which must the Contractor obtain: CDOT (SH 1 and I-25 tunnels), Larimer County 1041 and ROW, canal and ditch company crossing agreements, and BNSF?	For Segment F.1 refer to Vol 5, Attachment 5.2 Alignment Permitting Matrix for a list of permits the Contractor is responsible to acquire and permits that Thornton is acquiring. For Segment F.2, Thornton acquired permits are listed in F.2 01 41 24 – 1.6. For both segments, Thornton will acquire permanent access permits. Contractor is responsible to acquire CDOT and Larimer and Weld County ROW permits and temporary access permits. Thornton is currently working on obtaining permits/crossing agreements for canal crossings, utility crossings, and the BNSF railroad crossing. Contractor should assume that these permits/crossing agreements will be in place before construction. The Contractor is required to develop multiple plans for Thornton to submit to Larimer County to obtain a Larimer County Development Construction Permit (DCP), and for Thornton to meet its obligations under Thornton's previously obtained Larimer County 1041 permit. The permits listed are known required permits. Information does not relieve the Contractor from obtaining and paying fees associated with unknown permits.
22	Mobilization is not allowed until the Development Construction Permit is issued. What County review duration should bidders assume after the Contractor's 1041 plans are submitted?	30 days after delivery of all Contractor required submittals to the County. This 30 day period assumes that the Contractor's submittals are of a quality that will not require resubmittal. To help avoid resubmittal efforts and schedule delay, the Contractor is required to provide draft submittals to Thornton for review.
23	May one CDPHE stormwater permit and one dewatering discharge permit cover both segments? The erosion control warranty runs until the stormwater permit is closed. Will the City accept transfer or termination of the permit at Initial Acceptance?	One permit is acceptable to Thornton if approved by CDPHE. Thornton will accept transfer of stormwater permit at Final Acceptance after Warranty period ends.
24	(a) Please confirm one office under F.2 Spec 01 35 13 §1.10 serves both segments and is paid only under Item 137 (15 months). F.1 Spec 32 90 10 §3.01.A.1.e lists "Owner's temporary construction offices" in F.1 mobilization. Please confirm F.1 does not require a separate office. (b) The office is due within 10 days of Date of Commencement, but F.1 Spec 32 90 10 §3.01.A.1.a bars mobilization until all permits are secured. Is off-site rented space acceptable until the DCP is issued?	(a) Only one office is required. (b) Construction cannot commence until after DCP is issued, so there should be no need for a temporary office. If one is required, off-site rental space may be acceptable if it meets the spec requirements. Specs will be updated for IFC.
25	We request written authorization to excavate a limited number of test pits before bid to verify groundwater and soil conditions, with landowner coordination through the City. If the City declines, please confirm bidders should rely on the Geotechnical Baseline Report for F.2 and the F.1 geotechnical data.	Bidders should rely on baselines published in Contract Documents. Section XIII. GEOTECHNICAL REPORTS shall be added to EXHIBIT A – SPECIAL CONDITIONS of the Contract.
26	F.1 canal crossings (Items 23 and 25) must be completed November 1–March 31. Does the same window apply to the F.2 Larimer County Canal crossing (Item 113) and Box Elder Creek (Item 114)?	The same window (Nov 1 - Mar 31) applies to all canal crossings. F.2 Spec 01 35 13 3.20 contains restrictions for crossing Box Elder Creek.

27	Given the winter-only work (canal crossings, Kraft and Survivors/Steidl parcels), will the City consider a Substantial Completion date after March 31, 2028, or interim milestones in place of a single date? If NTP is late and a window is lost, will the City grant a time extension?	Substantial Completion will be extended to March 31, 2028. Substantial Completion will be defined as "when the Work is sufficiently completed so it may be utilized by Thornton for the purposes for which it was intended, in accordance with applicable life, health, and safety codes, including completion and successful testing of all required pressure testing, fiber conduits and pull boxes, vaults, and tie-ins, but excluding minor Work to be completed or corrected as Punch List Work." No interim milestones or other time extensions will be considered. Specs will be updated for IFC.
28	Reaches built in Nov 2027–Jan 2028 cannot be seeded until the spring 2028 window. Will Substantial Completion be granted with that seeding outstanding?	Yes. Substantial Completion will be granted after successfully completing pressure testing, fiber conduits and pull boxes, vaults, and tie-ins, but excluding minor Work such as seeding.
29	Has the City discussed October access with the Kraft and Survivors/Steidl landowners, or with the canal company (WSSC) once the canal is dry? Will the City help obtain written permission?	If an opportunity appears to begin construction in these locations, Thornton will assist in trying to obtain written permission. Bidders should not assume that permission will be granted.
30	May the Contractor install the canal casing during the November–March window and install carrier pipe through the casing outside the window, from pits outside the canal limits?	Yes.
31	F.1 drawings state November 1–April 1 for the Kraft parcel; other windows end March 31. Please confirm the correct end date.	The correct window is Nov 1 - Mar 31. Drawings will be updated for IFC.
32	Do the Giddings Road tunnel shafts fall on the window-restricted Kraft parcel?	Yes.
33	What is the status and schedule of the pump station site at the F.1 west terminus? Does this connection depend on another contractor's work?	SWPS construction is underway. The SWPS Contractor currently shows 42-inch pipe installation in Sept 2027. Coordination will be required between SWPS Contractor and Pipeline Contractor through Thornton's Construction Managers. The Contractor who completes hydraulic testing last will complete the connection. If this is the SWPS Contractor, the Pipeline contractor will not be paid for Pay Item #8 "Connection to 42-inch Waterline at the Source Water Pump Station Site."
34	F.2 Spec 01 35 13 describes Owner raptor surveys "before the nesting season (September 1 through November 30)." Please confirm September 1–November 30 is the survey period, and state the F.2 nesting season the Contractor must plan around. F.1 uses February 1–August 31 (December 1–July 31 for bald eagle).	Nesting season for Migratory/song birds is March 31 – August 31. Nesting season for bald eagles is December 1 – July 31. Nesting season for burrowing owls (within prairie dog colonies) is March 1 – October 31. Nesting season for other raptors is February 1 – August 31. Currently there are no eagle or raptor nests within the F.2 limits of construction. Currently there are no prairie dog colonies within the F.1 or F.2 limits of construction. Specs will be updated for IFC.
35	F.2 Spec 31 71 00, Appendix A is unclear on which excavation methods are allowed at I-25 versus LCR 52. Please confirm the permitted methods at each crossing.	As stated in the GBR, the only allowable method at I-25 is MTBM whereas CR 52 either TBM, MTBM, or Guided Auger Boring are allowable
36	F.2 does not define test segments. Will the Engineer accept testing all of F.2 as one segment? What is the maximum test pressure at the low point?	Test segment locations and quantity is up to contractor's means and methods. See sheet 00G005 for working and test pressures. Low point is elevation is 5025.5', test gradient elevation is 5695.0'. Test pressure at low point = 5695.0' - 5025.5' = 290 psi. Test sections may cross segment F.1-F.2 boundary, but must adhere to most stringent of the two segment pressure test requirements.
37	May the Contractor add intermediate test bulkheads, at its own cost, to test completed reaches in fall 2027 and leave only short sections for winter testing?	Yes
38	F.1 pays for the independent CWI and testing lab under Item 44. Which F.2 pay item covers Contractor QC testing and weld inspection?	Pay Items 105, 106, 107. Specs will be updated for IFC.
39	F.2 Spec 31 23 33 §2.H.1.c lists squeegee (uniformly graded pea gravel) as a bedding option. Please confirm squeegee is acceptable for the full pipe zone on the 42-inch steel pipe, at the Contractor's choice, subject to the test trench.	Confirmed acceptable for full pipe zone (bedding and embedment). See F.2 31 23 33 §2.I.
40	F.1 Drawing C-509, Detail 1, Note 5 calls for 6" stone under the concrete encasement, but no gradation is specified. Please provide one.	6-inch (152.4 mm) Sieve: Retention = 4%; Passing = 96% 3-inch (76.2 mm) Sieve: Retention = 75%; Passing = 25% 2-inch (50.8 mm) Sieve: Retention = 100%; Passing = 0% Specs will be updated for IFC.

41	F.1 Spec 31 23 43 allows CDOT Class 5 or 6; the F.1 drawings call for Class 5 and F.2 requires Class 6. May CDOT Class 6 be used throughout both segments?	Larimer County has stated that Class 5 is required in County R/W. Use Class 5 for both segments. Specs will be updated for IFC.
42	Section 01 50 10 (Larimer County 1041 Condition #34) triggers full-width overlay for pavement disturbance over 100 LF. Does this apply to the Barry Lane crossing (F.2 Item 130, 304 SY)? If so, which item pays for it?	Apply full-width overlay for pavement disturbance over 100 LF on Barry Lane crossing. Apply to Pay Item #130 "Barry Lane Crossing Asphalt Replacement."
43	F.2 General Note 9 requires field verification of driveways and walks not shown. How is replacement of unlisted drives or walks paid?	Pay item 105
44	F.2 Spec 01 35 13 Art. 3.19.B.1 and 3.25.A.3 require a Certified Asbestos Building Inspector on site at STA 191+00–200+00 whether or not debris is found. Is this paid from Allowance No. 41, or carried in the base bid?	Pay item 105
45	Art. 3.25.B requires a project-wide Environmental Materials Management Coordinator. Allowance No. 41 or base bid?	Pay item 105
46	Are MMP field screening and lab costs (VOC and TPH at 1 per 100 CY, PLM asbestos analysis) paid from Allowance No. 41 or the base bid?	Pay item 105
47	The MMP requires certification sampling at 1 per 500 CY of import. Allowance No. 41 or base bid?	Base bid.
48	F.2 Spec 01 20 00, Allowance Administration, pays allowance work at "Actual Field Cost as defined in the General Conditions." Does Actual Field Cost include overhead and profit, or is markup added separately?	See General Conditions, overhead and profit is in the markup percentages.
49	The Environmental Records Review recommends a pre-construction assessment of the AOC 4 silage trench. The spec does not include it. Will the City perform it before NTP? If it is Contractor scope, which pay item covers it?	Thornton will complete pre-construction assessment.
50	The MMP requires soils with significant manure or compost to be staged outside the work area and kept out of the trench. Do these soils qualify as "unsuitable" under Allowance No. 41, including imported replacement backfill? How are landowner directions that conflict with the schedule handled?	If significant deposits of compost or manure are found in the pipe zone, Allowance #41 may be used, with Construction Manager approval, to remove and replace those materials. On agricultural properties, piled or surface applied manure may be salvaged and reapplied to surface. Baseline reports do not indicate significant amounts of compost or manure.
51	Under 6 CCR 1007-2, exposed non-exempt debris must be stabilized within 24 hours, with up to 7 calendar days for an ACM determination and no further disturbance. Is that impact charged to Allowance No. 41, treated as a compensable delay, or Contractor risk?	Contractor risk.
52	Art. 3.25.A refers to the MMP as "Appendix /Attachment X." Please confirm the MMP is a Contract Document and identify its correct title and attachment designation.	MMP and ERR are Contract Documents and available on Thornton's "Solicitations for Pre-Qualified Vendors" website with the other project-related documents. Title and attachment designation will be updated in specifications for IFC.
53	Art. 3.19.B.1 and 3.19.C.1 refer to "Article 3.24" for the areas of concern. The Contaminated Soils and Materials article is 3.25. Please correct by addendum.	References in Segment F.2 Specification 01 35 13 Art 3.19.B.1 and Art. 3.19.C.1 to Art. 3.24 shall be revised to reference Art. 3.25. Specs will be updated for IFC.
54	1. The cathodic protection test station details for Segment F.2 (sheet 01C518) do not appear to match the type, configuration, and materials that have been designed and installed along adjacent segments (A, B, C, D, E, and F.1). We recommend that the CP test station schedule for Segment F.2 be revised to match the details provided for Segment F.1 and added to Sheet CP-03 on Segment F.1. There are a few other items that need to be addressed as well. a. Segment F.2 calls out for galvanic anodes to be installed on the steel casing for the bid alternate. If these anodes are required, then Detail B on CP-01 of the Segment F.1 drawings would need to be modified or a separate detail will need to be added as Detail D on CP-01. For reference, galvanic anodes have only been included on prior casings along the TWP if the crossing agency (such as FRICO or other), required them. It is our understanding that at each cased crossing the annular space will be filled with grout, therefore the risk of corrosion to the casing pipe is very minimal and would have little to no impact on the corrosion control of the carrier as no water, dirt, or other corrosive elements will get to the carrier pipe at these locations. b. Review drawing 01C124 for the Boxelder Creek blow-off and confirm the ductile iron piping has joint continuity bonds installed from the gate valve all the way to the outlet structure and that an adequate number of direct bonded anodes are installed. It is unclear and the keynotes and callouts should be revised to indicate joint continuity bonds are needed and to point out exactly where to install the direct bonded anode(s) on each ductile segment of piping.	Bid the CP as described in F.2 Drawings and specifications. Any warranted modifications can be completed after award.

55	For all other cathodic details on Segment F.2 (sheets 01C519 and 01C520), these could be removed / deleted and just reference the CP details provided on Segment F.1 under Sheets CP-02 and CP-01.	Bid the CP as described in F.2 Drawings and specifications. Any warranted modifications can be completed after award.
56	Confirm with Segment F.2 engineer that AC induction risks and mitigation were completed. QualCorr noted that the Tri-State High Voltage corridor parallels the pipeline along the BNSF ROW from Sta. 10+19 to 35+07 however we haven't checked any of the remaining F.2 pipeline alignment for other collocations. Given the pipeline diameter, coating, and its configuration (fully welded steel), AC mitigation systems were installed along adjacent HVAC collocated segments of the TWP to reduce risk of personnel shock hazards and corrosion issues.	Based on the offset distance, presence of the rail line and relatively low voltage/current of the 115kva power line, mitigation is not warranted. Bid the CP as described in F.2 Drawings and specifications.
57	If merging the cathodic plans for Segment F.1 and F.2, the two (2) different cathodic specs should be addressed as well. The specs for Segment F.1 are the same ones used along all the other TWP segments and contain additional post-construction surveys such as CIS and assessment of stray currents at foreign crossings. It will also ensure the same materials and construction practices are used for all segments. This would require removing / deleting the cathodic spec for Segment F.2 and just referencing the cathodic spec on Segment F.1.	Bid the CP as described in F.2 Drawings and specifications. Any warranted modifications can be completed after award.
58	QualCorr will also need to reach out to the Segment F.2 corrosion engineer to discuss their design basis and other items so we can update the overall corrosion control memo for the TWP.	Bid the CP as described in F.2 Drawings and specifications. Any warranted modifications can be completed after award.
59	Segment F.1 and F.2 have two different steel pipe specifications as there are two different design engineers. Since this project is awarding both segments as one contract, it would be beneficial to the pipe supplier for the steel coil options for both segments to be the same so two different types of coil aren't required for the same project. All past projects have had two options for steel as shown in Segment F.1 (33 11 11 – 2.03.A.4.a). This spec allows ASTM A1018/A1018M, SS Gr 36, Type 1 or A1018, HSLAS, Grade 50, Class 2 Modified. Segment F.2 (33 05 24 – 2.4.A.1) only allows an HSLAS option and does not allow the SS Gr 36, Type 1 option. Steel coil supply is as tight as we have ever seen it and many suppliers do not want to quote HSLAS with as much work as they have. We would like to see both specs allow the same two steel types as options. Please modify F.2 spec to allow both steels that are allowed in F.1 and have been allowed on all prior Thornton bids in this program.	In Section 33 05 24 of Segment F2 specifications, Para 2.4.A will be revised to read as follows, all other requirements of Section 33 05 24 of Segment F2 specification remain unchanged: A. Steel: Provide steel coils for spiral welded steel pipe or steel plate for straight seam welded steel pipe per AWWA C200 and as follows: 1. Specified Minimum Yield Strength: 42,000 psi. 2. Specified Minimum Tensile Strength: 60,000 psi. 3. Minimum Elongation in 2-inch Gauge Length: 21 percent. 4. Steel Quality as follows: a. Coils: (1) Continuous cast process, fully-killed, fine grained practice conforming to physical, manufacturing and testing requirements of ASTM A1018/A1018M, SS Grade 36, Type 1. (2) Continuous cast process, fully-killed, fine grained practice conforming to physical, manufacturing and testing requirements of ASTM A1018/A1018M, HSLAS Grade 50, Class 2 (modified). Measured yield strength shall not exceed 85 percent of measured tensile strength. b. Plate: (1) Fully-killed, conforming to ASTM A20/A20M, fine grained practice conforming to physical, manufacturing and testing requirements of ASTM A516/A516M, Grade 70. (2) Steel Chemistry: Conform to ASTM A516/A516M, Grade 70. Steel plates that are 3/4-inch thick or greater shall be normalized. c. Toughness: (1) Charpy V-notch Acceptance Criteria: Transverse specimen orientation, full size specimens, 25 foot-pounds energy at test temperature of 30 degrees F. (2) Frequency: See Paragraph Steel Toughness Testing for Thickness Equal to or Greater than 7/16 Inches. 5. Minimum nominal wall thickness as indicated on the Drawings. Maximum allowable thickness variation for plate, sheet, or coil shall be 0.010 inch less than ordered thickness. Specs will be updated for IFC.
60	Can we request a two (2) week extension of the bid due date? We need additional time to continue discussions with pipe suppliers and evaluate procurement strategies that can support the January 31, 2028 Substantial Completion requirement.	A one-week extension is approved. Bids will be due at 2 pm on Oct 22, 2026.
61	Pay Item 35 says 24" CMP, but plans say 30". Please clarify.	See response to Question 17.
62	Pay Item 36 says 12" CMP, but plans say 15". Please clarify	See response to Question 17.
63	There are no pay items for the 24" Access Manway called out in Segment F.2 at Sta. 35+14.75. Please clarify what pay item this work should be included in.	A pay item for the access manway has been added to the revised Bid Form. The following Measurement and Payment shall apply: Includes all costs for furnishing and handling, all required labor, equipment, and materials for the Access Manway. The Unit Price includes valve assembly and precast manhole manufacture; transportation and installation of all materials; excavation, dewatering; subgrade preparation, backfilling and compaction; CLSM backfill; pipe tap and all pipes, valves, fittings and appurtenances; boxes and covers; precast manhole; manhole lids, risers, and hatches; and all other appurtenant work not otherwise stipulated to be paid for separately to complete the work as specified or detailed by the Contract Documents. Unit of Measurement: Each. Method of Payment: Payment shall be made at the Unit Price listed in the Bid Form for each complete manway and assembly completed and approved by the Owner's Construction Manager. Specs will be updated for IFC.
64	Please clarify Pay Item 115 – pay item lists 12-inch, but outside of the 6-inch blowoffs there is no 12-Inch and only (1) 8-inch at Sta. 92+18. Should this pay item be an 8-inch?	Yes should be revised to 8-inch
65	What pay item should the Concrete Cutoff Wall at Sta. 141+15 be included?	Pay Item 113.

66	Can you point out where Pay Item 940 is in the plans? 18" x 24" IRR can't be found.	There is no Pay Item 940. If this refers to Pay Item 136, the words "18-inch wide x 24-inch deep" have been deleted. This pay item refers to Detail 2 on Sheet 01C506 and the crossings of same shown on Plan and Profile drawings.
67	Can you clarify where pressure testing and hydrostatic testing should be included? Specs 01 20 00 list that testing should be included in Pay Item 5 (Pay Item 105 per vendor documents), but in Segment F.1 there is a separate line item for testing.	Pay Items 37, 38, and 39 for F1 and Pay Item 105 for F2.
68	Are Pay Items 1-56A and 101-145 considered the base bid items? Is Pay Items 201-202 supposed to be considered the "Bid Alternate No. 1 Schedule of Contract Items and Prices"?	This is correct, they were numbered like this to avoid duplicate numbers for pay items between segments F1 and F2. Specs will be updated for IFC.
69	MOB pay items are supposed to be a max of 10% of the base bid proposal, but there are two MOB pay items (Pay Item 1 and Pay Item 101). Please clarify how the 10% applies to these pay items.	Sum of the mob items may not be over 10% of total contract price.
70	Please clarify whether the pre-qualified prime contractor is required to self-perform any minimum percentage of the Work, including installation of the 42-inch steel pipeline, welding operations, trenchless crossings, or other major work items. If self-performance requirements exist, please identify the applicable contract provisions.	No self performance requirements.
71	Given current market lead times for large-diameter steel water pipe procurement pipe will not be available before May 2027. Section 01 14 34 requires Substantial Completion by January 31, 2028, while the Contract Documents also impose numerous environmental restrictions, permit requirements, seasonal work windows, third-party approvals, utility coordination requirements, and landowner coordination obligations. Based on these constraints, the available construction duration between anticipated pipe delivery and the required Substantial Completion date appears substantially compressed does not provide sufficient time to complete the Work as currently sequenced in the Contract Documents. Given these constraints, would Thornton consider revising the Substantial Completion date to July 31, 2028, which provides a more reasonable and achievable construction window for the Work contemplated under the Contract Documents?	Substantial Completion will be extended to March 31, 2028. Substantial Completion will be defined as "when the Work is sufficiently completed so it may be utilized by Thornton for the purposes for which it was intended, in accordance with applicable life, health, and safety codes, including completion and successful testing of all required pressure testing, fiber conduits and pull boxes, vaults, and tie-ins, but excluding minor Work to be completed or corrected as Punch List Work." No interim milestones or other time extensions will be considered. Specs will be updated for IFC.
72	Given the schedule constraints imposed by the Contract Documents, including the January 31, 2028 Substantial Completion requirement, environmental restrictions, permit requirements, seasonal work windows, and third-party coordination obligations, it is critical for bidders to understand their potential schedule-related exposure. Multiple sections reference the assessment of Liquidated Damages; however, no Liquidated Damages schedule or rate has been identified within the Contract Documents provided. Please identify the specific contract provisions establishing the Liquidated Damages amounts, indicate whether such damages apply to Substantial Completion only or also to interim Milestone Dates, and clarify the maximum potential Liquidated Damages exposure contemplated under the Contract.	See Addendum Number One
73	The steel pipe specifications for Segments F.1 and F.2 contain differing material requirements that could complicate procurement and affect material availability, pricing, and lead times. Please clarify the following material differences and confirm a common requirement for both segments: 1. Coil: F.1 permits SS or HSLA; F.2 permits only HSLA. Please approve SS coil for both segments, consistent with material supplied on prior Thornton pipeline segments and subject to the specified design and mechanical requirements. 2. Plate: F.1 requires ASTM A516 Grade 70; F.2 requires HSLA for fittings, specials, and outlets over 24 inches. Please confirm whether A516 Grade 70 is acceptable for both segments or identify a common acceptable plate specification and grade. 3. Yield-to-tensile ratio: F.1 limits HSLA to 0.85; F.2 has no maximum. Please remove the F.1 restriction to align the specifications with that of Segment F.1 and accommodate available mill material (Note: most steel mills will not accept the 0.85 y/t ratio specified on segment F.1)	Pipe Barrel Steel specifications for F.2 will be revised to match F.1. In Section 33 05 24 of Segment F2 specifications, Para 2.4.A.1 will be revised to read as follows: A. Steel: Provide steel coils for spiral welded steel pipe or steel plate for straight seam welded steel pipe per AWWA C200 and as follows: 1. Specified Minimum Yield Strength: 42,000 psi. 2. Specified Minimum Tensile Strength: 60,000 psi. 3. Minimum Elongation in 2-inch Gauge Length: 21 percent. 4. Steel Quality as follows: a. Coils: (1) Continuous cast process, fully-killed, fine grained practice conforming to physical, manufacturing and testing requirements of ASTM A1018/A1018M, SS Grade 36, Type 1. (2) Continuous cast process, fully-killed, fine grained practice conforming to physical, manufacturing and testing requirements of ASTM A1018/A1018M, HSLAS Grade 50, Class 2 (modified). Measured yield strength shall not exceed 85 percent of measured tensile strength. b. Plate: (1) Fully-killed, conforming to ASTM A20/A20M, fine grained practice conforming to physical, manufacturing and testing requirements of ASTM A516/A516M, Grade 70. (2) Steel Chemistry: Conform to ASTM A516/A516M, Grade 70. Steel plates that are 3/4-inch thick or greater shall be normalized. c. Toughness: (1) Charpy V-notch Acceptance Criteria: Transverse specimen orientation, full size specimens, 25 foot-pounds energy at test temperature of 30 degrees F. (2) Frequency: See Paragraph Steel Toughness Testing for Thickness Equal to or Greater than 7/16 Inches. 5. Minimum nominal wall thickness as indicated on the Drawings. Maximum allowable thickness variation for plate, sheet, or coil shall be 0.010 inch less than ordered thickness. SPecs will be updated for IFC.

74	The elbow at Sta. 310+47 is close to the railroad tunnel entrance, potentially leaving insufficient clearance for a pipe joint and welding between the elbow and tunnel entrance. Section 33 11 11 requires a minimum elbow radius of 2.5 times the pipe diameter unless otherwise shown. Please confirm whether a tighter elbow radius is permitted at this location or provide a revised layout that allows adequate joint and welding clearance.	Engineer calculated that the lay length of the fabricated bend at 8.4 feet leaving approximately 1 foot of separation. As such, a variety of options to address this concern will be evaluated including allowing a shorter elbow radius or shifting the end of the casing 1-2 feet east. Engineer will coordinate with pipe supplier and construction contractor after project award to arrive at an acceptable alternative. Drawings and/or specs will be updated for IFC, as necessary.
75	The vertical elbow at Sta. 67+34 appears too close to the casing end to provide adequate clearance for a pipe joint and welding between the casing and deflection. Similar conditions occur at Sta. 199+03 and Sta. 185+87. These locations will require pipe installation from a specific direction unless the VPIs are relocated.	VPIs will be shifted to allow needed space. PVI's will be modified on IFC drawings.
76	What is the payment formula as it has been omitted from the documents, as there are 2 mobilization bid items is it 10% max combined or per each? If this is being awarded as 1 project would it make sense to just have 1 mobilization bid item.	Similar to question #69: sum of mobilizations not to exceed 10% of total contract price
77	F.1 does not have a bid item for this F.2 does should all the cost be in F.2 or is this considered incidental in F.1 and be carried elsewhere	All the cost for the field office is in the bid item for F.2. Only one field office needed.
78	Can you confirm this will be awarded to 1 contractor	Yes, will be awarded to one contractor.
79	It is stated you may not disturb more than 1 mile at a time. If multiple crews are utilized will that be 1 mile per pipe laying operation	F.2 Spec (01 14 34 1.5 5) says 1 mile per crew. This is acceptable for both segments. Specs will be updated for IFC.
80	In Segment F.2 on plan sheets 01C110, 01C111, 01C112, and 01C113 notes call for "Pre-Construction Weed Control required". Will this be paid for out of the allowance bid item #145?	Yes.
81	Spec section 33 14 00 paragraph 1.03.C calls to add 4 test bulkheads and 4 side outlet manways at stations 124+95 and 176+52. Will the manways require any type of manholes, or will they just be direct buried?	The bulkheads are to support the pressure testing of the various test segments. The bulkheads will be direct bury, and for use in removing the bulkheads and finalizing pipe connections. No manholes required - manways will be direct bury.
82	Plan sheet 01C103 for segment F.2 note 3 calls for an access manway. Can a bid item be added for this access manway and manhole?	See response to Question 63
83	Please confirm that the CP details for Segment F.2 (sheets 01C518, 01C519, and 01C520) are correct as they don't seem to match the CP test stations and other items that were installed on previous segments of the TWP or as shown on the Segment F.1 plans.	See response to Question 54
84	Please advise on where to install the direct bonded anodes on the Boxelder Creek blowoff (sheet 01C124) and if any continuity bonds are required for the ductile piping. Should there be anodes before the vault and after, or just after?	See detail 01C511 for anode placement. Reference detail 2/01C519 for joint bonding requirements.
85	There are impressed current specifications provided for Segment F.2, but the CP groundbed is being installed under the Segment F.1 plans and specs. Please confirm which specifications we are required to follow.	The CP groundbed in Segment F.1 should follow F.1 specs.
86	Segment F.1 plans include AC mitigation systems along collocated segments of HVAC while the Segment F.2 plans and specifications do not. Please confirm.	See response to Question 56
87	Please indicate if post-construction surveys (such as close interval surveys) are required on both Segment F.1 and F.2 or just Segment F.1.	Post-Construction surveys are required on both Segment F.1 and F.2.
88	Can the tunnel portion of the bid form on F.1 be modified to the same break out presented on F.2?	Engineer has reviewed differences in the F.1 and F.2 bid forms. For Segment F.1, Contractor shall include mobilization and demobilization in Bid Item Nos. 10, 13, and 16. Also, Contractor shall include geotechnical instrumentation and monitoring in Bid Item Nos. 11, 14, and 17. Specs will be updated for IFC.
89	Please list any circumstance where the specification for Segment F.1 would apply during the construction of Segment F.2 and vice versa.	Specifications for a particular segment will apply only to that segment. If, during construction, the Contractor has a compelling justification to apply the spec from one segment to the other, that request will be adjudicated by the Owner, CM and EORs via the RFI process.
90	Please specify the Liquidated Damages dollar amount.	See Addendum Number One
91	Please provide the current parcel/landowner and easement-status exhibit or matrix for Segment F.2, including any parcels requiring special access conditions or landowner coordination. Please also confirm that all property rights necessary to construct the Work within the depicted limits will be secured by the Owner before Notice to Proceed.	All known requirements at time of document delivery to COT have been incorporated in specs. Bidders should assume that all property rights necessary to construct the Work within the depicted limits will be secured by the Owner before Notice to Proceed.
92	Please confirm that the Cathodic Protection details for Segment F.2 (sheets 01C518, 01C519, and 01C520) are correct as they don't seem to match the CP test stations and other items that were installed on previous segments of the TWP or as shown on the Segment F.1 plans.	See response to Question 83
93	Please advise on where to install the direct bonded anodes on the Boxelder Creek blowoff (sheet 01C124) and if any continuity bonds are required for the ductile piping. Should there be anodes before the vault and after, or just after?	See response to question 84

94	There are impressed current specifications provided for Segment F.2, but the CP ground bed is being installed under the Segment F.1 plans and specs. Please confirm which specifications are required to follow.	See response to Question 85
95	Segment F.1 plans include AC mitigation systems along collocated segments of HVAC while the Segment F.2 plans and specifications do not. Please confirm.	See response to Question 86
96	Please indicate if post-construction surveys (such as close interval surveys) are required on both Segment F.1 and F.2 or just Segment F.1.	See response to Question 87
97	Please confirm that Segments F.1 and F.2 will be awarded to one Contractor under one Agreement. Please also confirm that F.2 Spec 01 11 00 - 1.2.C will be revised by addendum to remove the 'separate Contract Documents by Others' language.	Yes, will be awarded to one contractor.
98	Please provide (a) the LD rate per calendar day, (b) the governing Substantial Completion on January 28, 2028.	See Addendum Number One
99	F.2 01 14 34 gives January 31, 2028, (c) whether F.1 and F.2 have separate Substantial Completion dates or LDs, and (d) any milestone or interim LDs and their dates. Please also confirm that no other LDs apply unless added by addendum.	Substantial Completion will be extended to March 31, 2028. No other LDs except by addendum. Specs will be updated for IFC.
100	Please confirm the Bid Alternative 1 casing diameter (54-inch or 60-inch), the wall thickness, and the coating/lining. Please also confirm that 105LF is the full length across the Larimer County Canal. Is the alternate casing installed in the same trench/excavation as the base bid casing, or in a separate one?	60-inch as shown in drawings 01C125 and 01C509. Alternate casing is installed in a separate trench.
101	F.2 01 20 00 allows unit prices to be renegotiated when quantities vary more than 25%. The Bid Form says unit prices are not subject to renegotiation. It also carries an asterisk note for +/-25% items, but no items are marked with an asterisk. Please clarify which provision governs quantity variations over 25%, and identify which bid items, if any, are the asterisked items subject to adjustment.	If none have * none apply
102	Will Contract Time be extended when allowance work affects the critical path? Please confirm that each segment's allowance applies only to work within that segment's station limits, and that bidders should not carry contingency for these items beyond the allowance amounts.	If allowance work affects critical path, Contractor shall follow the General Conditions for an extension of Contract Time.
103	Please list all Owner-furnished materials: items, quantities, delivery location/timing, and who receives, offloads, stores, and insures them. Is the Contractor's Builder's Risk policy required to cover the \$250,000 of Owner- furnished materials?	No Owner-furnish materials will be provided.
104	The F.1/F.2 connection is paid in both segments. Please state which segment's bid item covers the tie-in, the exact station and joint type, and who furnishes the enclosure materials. Please confirm that the other item will be deleted or redefined to avoid double payment.	See response to Question 16.
105	F.1 and F.2 specifications for testing vary. Please either confirm that each segment is tested to its own criteria or provide one harmonized procedure. Please provide the F.2 test-section limits and test pressures. Is one test across the F.1/F.2 interface allowed? Will test sections that cross into the other segment be accepted?	See F.2 sheet 00G005 for working and test pressures. F.2 low point is elevation 5025.5 test gradient elevation is 5,695. F.2 Test pressure at low point = 5,695-5,025.5 = 290 psi. Substantial Completion will be defined to include successful pressure test of both segments. Segment F.1 has three (3) distinct test reaches – one is west of the work in County Road 56, one covers pipe installed within County Road 56, and the third reach is east and south of County Road 56. The third and Easterly test reach can be combined with the testing of Segment F.2. If the Contractor decides to combine the testing of F.1's Easterly test reach with F.2 testing, the Contractor must adhere to the most stringent of the two segments' pressure test requirements. Contractor should be aware that the test gradient elevation for F.1's Easterly test reach is 5,722 feet.
106	Please advise whether ELCO and NWCWD have each agreed to supply the needed fill volume and flow rates. Please confirm the F.1 minimum wall thickness and the wall thickness/quantity of spare pipe, butt straps, bends, and filler rings. Please also confirm the minimum wall and D/t limits for F.2.	Contractor is responsible for acquiring test water at volumes and pressures needed. See response to Questions 18. F.1 has two specified minimum wall thicknesses, 0.281 inch and 0.250 inch – see drawings for locations. F.2 minimum wall thickness is 0.25 inch and D/t = 168.
107	F.1 limits open trench to 250 ft ahead of or behind pipe laying. F.2 instead limits how long trench stays open and how much surface is disturbed per crew. Please confirm that each limit applies only within its own segment. Is F.1's 250-ft limit per crew/heaving? Is it waived at shafts, tie-ins, test-head locations, and canal crossings? Mobilization depends on separate Larimer County Development Construction Permits (DCPs) for each segment.	The limits apply to each segment as shown in each specification. F.1's 250-foot open trench limit applies to each crew or heading including canal crossings, but does not apply to shafts, tie-ins, and test head locations. F.2 has a distance restriction (31 23 33 3.5.G.1 and 33 05 24 3.1.E) and a time restriction (01 14 34 1.5.A.4). Yes, mobilization is contingent on the County issuing the DCPs for each segment.
108	F.1 plans are due 42 days after the County meeting, followed by Owner review and a 14-day resubmittal. County review time is not defined. Please give the expected County review time for the DCP. Will the Contract Time or Substantial Completion date be adjusted if County approval takes longer than a stated period? May one combined DCP package cover both segments?	See response to Question 22. Contract time will not be extended so contractor must prioritize submitting DCP documents. Larimer County requires separate DCPs for F.1 and F.2. However, the documents required to be submitted by the Contractor are the same for both segments and can likely be easily adapted for use on each segment.
109	Please confirm the 18-month TCE clock starts and whether it is the same for every parcel in both segments. Are TCE extension costs waived when delays are caused by the Owner, the County, or a seasonal restriction? Are any parcels not yet acquired, or do any have special entry dates or restrictions?	Contractor must provide the CM at least 45 days notice prior to commencing TCE. 18-month TCE clock starts upon commencement. Delays caused by other entities besides the Contractor will not be the responsibility of the Contractor. Delays due to seasonal restrictions will be the Contractor's responsibility and Contractor shall schedule its work, crews, and equipment needed to accommodate seasonal restrictions. Bidders should assume that all PE and TCE will be acquired by Notice to Proceed. Special requirements and restrictions are listed in the drawings and specifications (F.1 01 41 10 and 32 90 10; F.2 01 35 13)

110	Is work allowed on agricultural parcels from April 1 to November 15? Please list any parcels with planting/harvest-restrictions, irrigation-system protection or replacement requirements, or temporary irrigation duties.	Generally, work is allowed on agricultural properties between 4/1 and 10/31. See drawings and specs for specific restrictions and irrigation system protection/replacement requirements (F.1 01 41 10 and 32 90 10; F.2 01 35 13).
111	Please describe the work restrictions on the eagle buffer (stations and distances), and who performs and pays for the pre-construction monitoring. Will time or cost be adjusted if new nests or occupied burrows are found after the bid?	No active raptor (eagle or hawk) nests are currently within the F.2 limits of construction. F.1 eagle nests are described in the Contract Documents. Thornton's consultant, ERO, will conduct required surveys and monitoring through project completion. If new nests or burrows are discovered after bid, time or cost adjustments will be considered.
112	Both GBRs classify the underground work as 'potentially gassy' and assume uncontaminated spoils. F.1 notes possible H2S and nearby oil/gas facilities. An EMMS is required. Who furnishes the EMMC? Please confirm that contaminated material handling is paid under the allowances, and that work beyond the allowance amounts will be handled by change order.	A) Per the Segment F.1's Materials Management Plan (MMP), Section 3.0, the Contractor is responsible for designating and furnishing an Environmental Materials Management Coordinator (EMMC). Contingent on personnel qualifications, this person can also have additional roles on the project. B) Yes, any material handling will be covered under F.1 Bid Item 52A and F.2 Bid Item 141. C) Any materials management costs above the allowance will be negotiated between Thornton and the
113	The segments specify different bedding/embedment materials, Proctor standards (D698 vs. D1557), and compaction criteria for the same 42-inch steel pipe. F.2 Attachment A applies separate Larimer County criteria in County ROW. Please confirm the embedment material, compaction standard, and percent compaction for each segment, and which governs in Larimer County ROW. May native material be used as embedment if it meets gradation? Is CLSM embedment allowed in both segments at the Contractor's option, and is it paid?	A) Bid based on specifications shown for each segment. B) Native material may not be used as embedment material. C) Should Contractor desire to embed with CLSM, no exceptions will be taken provided the CLSM material and placement methods are approved in advance. No additional compensation will be due to the Contractor for the use of CLSM as an embedment alternative.
114	The information for bidders section states that the W-9, affidavits, required insurance certificates, ACORD Form 101, and performance & payment bonds are required simultaneously with the delivery of the executed bonds. Does the City of Thornton expect these documents with the bid bond, or with the payment and performance bonds and only from the successful bidder?	These documents are only required from the awarded contractor. Contractors shall include the bid bond with their Bid Proposal.
115	Article XXII of the Contract Documents establishes a tax-exempt status for eligible permanent Materials and Equipment, with the Contractor responsible for sales, use, or similar taxes on non-exempt items. Given that the Segment F alignment crosses multiple taxing jurisdictions within Larimer County (including unincorporated county areas and incorporated municipalities), please confirm which combined sales/use tax rate and jurisdiction Bidders should use for pricing non-exempt items in their Bid Proposal.	Bidders will use City of Thornton tax-exemption.
116	Move FO Conduits inside embedment zone on Sheet 01C504 for better protection and consistency with other segments.	At City of Thornton's direction, F.2 Typical Trench Detail on Drawing 01C504 has been amended to show FO Conduit placed within the pipe zone.
117	Is the programming to be provided by the City of Thornton?	Thornton will do all the programming. The Segment F contractor only needs to install the hardware and complete operational checks to verify functionality.

Certificate Of Completion

Envelope Id: FFE5061B-7A94-8DEA-8189-781D4B656F84

Status: Completed

Subject: Complete with Docusign: 12-777XF Addend no2 10-15-26.pdf

Source Envelope:

Document Pages: 14

Signatures: 1

Envelope Originator:

Certificate Pages: 1

Initials: 0

Patrick Hinterberger

AutoNav: Disabled

9500 Civic Center Drive

Envelopeld Stamping: Disabled

Thornton, CO 80229

Time Zone: (UTC-07:00) Mountain Time (US & Canada)

Patrick.Hinterberger@ThorntonCO.gov

IP Address: 199.117.212.4

Record Tracking

Status: Original

Holder: Patrick Hinterberger

Location: DocuSign

10/15/2026 10:42:41 AM

Patrick.Hinterberger@ThorntonCO.gov

Signer Events

Patrick Hinterberger

Patrick.Hinterberger@ThorntonCO.gov

Sr. Contract Administrator

SHI OBO City of Thornton

Security Level: Email, Account Authentication
(None)

Signature

DocuSigned by:
Patrick Hinterberger
6DA8F281E4154C8...

Signature Adoption: Pre-selected Style
Using IP Address: 199.117.212.4

Timestamp

Sent: 10/15/2026 10:43:12 AM

Viewed: 10/15/2026 10:43:17 AM

Signed: 10/15/2026 10:43:28 AM

Freeform Signing

Electronic Record and Signature Disclosure:

Not Offered via Docusign

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent

Hashed/Encrypted

10/15/2026 10:43:12 AM

Certified Delivered

Security Checked

10/15/2026 10:43:17 AM

Signing Complete

Security Checked

10/15/2026 10:43:28 AM

Completed

Security Checked

10/15/2026 10:43:28 AM

Payment Events

Status

Timestamps