CITY OF NORTHLICHEN

IRMA PEDESTRIAN CROSSINGS
IFB 2024-012

ADDENDUM NO. 1
DATED: June 20, 2024

TO: PROSPECTIVE BIDDERS

The following adds to, supplements, amends or clarifies by way of explanation, portions of the Contract Documents, Specifications, and Drawings for the above named project.

NOTE: It will be the responsibility of the Bidder to acknowledge receipt of Addenda on the Bid Form as part of his/her submitted proposal. Failure to do so will be grounds for the City to reject the proposal.

The Contract Documents, including the Specifications and Drawings are hereby modified by the following items:

QUESTIONS:

Q1. What brick pattern will be used on the curb medians?

The brick pattern in addition to other standards can be found in the appendix on sheet 332 in the Northglenn ROW standards & specifications 2021.

Project-specific standards can be found in the Northglenn ROW standards & specifications 2021:

The PVC sleeve detail can be found on sheet 334
The dome and detectible warning details can be found on sheet 329
The ADA details can be found on sheets 324-328
The crosswalk details can be found on sheet 187
***CROSSWALK BAR DIMENSIONS HAVE BEEN UPDATED TO 9’x1.5’***
The curb and gutter details can be found on sheet 321
All other street construction standards can be found in chapter 15

Q2. Are Northglenn permitting fees waived?

Yes.

Q3. With the updated plans will the median push button still be required?

Yes, the median RRFB will be installed just like the RRFBs on each side of the
Q4. How does the push button integrate with the RRFBs (i.e., is the wire to connect it meant to be in the sawcut that goes across the road to both RRFBs?

We would prefer no wiring across the streets, and to use transmitter radios to activate the signs.

Q5. Does the “Median Push Button” that will be supplied by the city include a pedestrian push button post assembly, if still needed?

Since we are not doing the IRWL system, no parts will be provided by the city. The median should have a full sized RRFB pole with push button assembly.

Q6. Will the foundation for the median push button post assembly have a separate pay item, or is it included in the “Median Push Button” item, if still needed?

Currently the foundation for the RRFBs is included in the RRFB bid item – see updated bid summary.

Q7. Can a parts list for the LightGuard System that was ordered be provided?

The LightGuard System parts are no longer needed.

Q8. Can you confirm the which Alert Devices are required on this project, the Pedestrian sign that lights up or the Flashing lights, that under the pedestrian sign?

We will be using the rectangular flashing beacon installed below the sign per the CDOT drawings. Each side of the road will have a uni-direction sign, and the median will have a bi-directional sign.

City of Northglenn
Gregory Kothe
Civil Engineer I

Attachments:   Revised Bid Summary 6/20/2023
               Revised Drawings 6/20/24
               Revised Special Conditions 6/20/24

ALL ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

END OF ADDENDUM NO 1
Hereby submits to the City of Northglenn, Colorado the following bid items, complete and in place, as specified for the:

**Irma Drive Pedestrian Crossings**

- IFB 2024-012

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Cost</th>
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<td>ADA Ramp</td>
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Note: No alternates or substitutions will be accepted.

TOTAL FOR ALL ITEMS ________________________________

TOTAL IN WORDS ________________________________
- ADA Ramp per Northglenn standards (typ of 2)
- Proposed sleeve per standards
- PVC sign Northglenn (typ of 2)
- RRFB (typ of 3)
- Proposed Median (typ)
- 9'x1.5' Crosswalk Bars (typ of 10)
- R1.0
ADA Ramp per Northglenn standards (typ of 2)

9' x 1.5' Crosswalk Bars (typ of 12)
NOTE:
INSTALL RRFB CONCRETE FOUNDATION PER CDOT STANDARD PLAN S614-14

2"x2" square sign post installed in sign sleeve. T/post must extend 5' above roadway surface.

12"x36" OM-3L object marker to be installed on top of sign post.

Typ per all four (4)
PVC sign sleeves
PART 1 - GENERAL

1.1 PROJECT DESCRIPTION

A. The Contractor shall furnish all material, labor, equipment, and services necessary for, and incidental to, the Irma Drive Pedestrian Crossings Project as specified.

1.2 LOCATION OF WORK

A. The work is located in Northglenn, on Irma Drive in between E 112th Avenue and E 104th Avenue. Prospective bidders should make themselves familiar with the location of the work and all potential access points so as to facilitate progress of the work in a well-organized fashion.

1.3 TIME OF WORK

A. The Contractor shall complete all work required by these specifications within (45) calendar days. The starting time for the Contract shall be ten (10) calendar days following the date of the Notice to Proceed. Working hours shall be 8:00 A.M. to 5:00 P.M. Monday through Friday. A working day shall be defined as any day, exclusive of Saturdays, Sundays, and holidays, on which weather and other conditions not under the control of the Contractor will permit construction to proceed for a minimum of one half (1/2) of the day with a normal working force. See Trade Contractor Agreement.

The Contractor shall be responsible for submitting a schedule for all work to be performed. This schedule shall be updated weekly and resubmitted to the Engineer for acceptance.

1.4 PROTECTION OF EXISTING UTILITIES

A. The Contractor shall be responsible for the protection of existing utilities such as water mains, sanitary and storm sewer systems, gas mains, electrical conduits, telephone lines, irrigation systems and any other utilities within the area; and if any damage or destruction occurs to these utilities, the Contractor shall be responsible for their repair and/or replacement at the Contractors expense.

1.5 QUALITY ASSURANCE

A. Referenced Standards:


B. In the event of a conflict occurring between or within the aforementioned Standards and Specifications and the project specifications, the more stringent standard will apply. The Contractor shall coordinate inspection of the work with Engineer. Any discrepancies found between the Drawings and Specifications
and site conditions or any errors or omissions in the Drawings or Specifications shall be immediately reported in writing to the Engineer, who shall promptly correct such errors, or omissions in writing. Any work done by the Contractor after his discovery of such discrepancies, errors, or omissions WITHOUT written instructions by the Engineer shall be done at the Contractor's risk.

C. City of Northglenn’s Standard Operating Procedures.

1.6 LIQUIDATED DAMAGES
A. Liquidated damages shall be set at $500.00 per day. See Trade Contractor Agreement.

1.7 SPECIAL CONSIDERATIONS
A. Contractor shall be responsible for negotiations of any waivers or alternate arrangements required to enable transportation of materials to the site.

B. Contractor shall be responsible for adhering to the city of Northglenn’s Standard Operating Procedures.

1.8 SPECIAL CONTRACT PROVISION
A. The items listed in the Bid Summary are estimated for comparison purposes only.

1.9 CONTRACT DOCUMENTS FOR CONTRACTORS USE
A. Refer to Trade Contractor Agreement.

B. Contractor shall pick up two "no-charge" documents within 10 days from date of Notice to Proceed.

1.10 ORDER OF CONSTRUCTION AND CONSTRUCTION SCHEDULE
A. Construction operations will be scheduled to allow the Owner uninterrupted operation of existing adjacent facilities. Coordinate connections with existing work to ensure timely completion of interfaced items.

B. At no time shall Contractor or his employees modify operation of the existing facilities or start construction modifications without approval of the Owner except in emergency to prevent or minimize damage.

C. Within 10 days after award of Contract, submit for approval a critical path type schedule. Account for schedule of Subcontracts. Include proper sequence of construction, various crafts, purchasing time, shop drawing approval, material delivery, equipment fabrication, startup, demonstration, and similar time-consuming factors. Show on schedule as a minimum, earliest starting, earliest completion, latest starting, latest finish, and free and total float for each task or item.

Evaluate schedule no less than monthly, if applicable. Update, correct, and rerun schedule and submit to Engineer in triplicate with pay application and show rescheduling necessary to reflect true job conditions. When shortening of various time intervals is necessary to correct for behind schedule conditions, indicate steps to implement to accomplish work in shortest schedule. Information shall be submitted to Engineer in writing with revised schedule.
D. If Contractor does not take necessary action to accomplish work according to schedule, he may be ordered by Owner in writing to take necessary and timely action to improve work progress. Order may require increased work forces, extra equipment, extra shifts, or other action as necessary. Should Contractor refuse or neglect to take such action authorized, under provisions of this contract, Owner may take necessary actions including, but not necessarily limited to, withholding of payment and termination of contract.

1.11 PERMITS

A. Contractor is responsible for securing all required permits for the completion of the work with all agencies with jurisdictional authority. Below is a list of required permits. This is not an all-encompassing list of permits that may be required.

1. Right of Way Permit – Required, but City at its sole discretion, may waive fees.

1.12 SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION

A. These construction documents are to be governed, at all times, by applicable provisions of the Federal Law(s), including but not limited to the latest amendment of the following:


1.13 PRECONSTRUCTION CONFERENCE

A. A pre-construction conference shall be held at the Owner's office after award of Contract. Engineer will notify the Contractor as to the date and time of the conference 2 weeks in advance of the proposed date. Contractor's Project Manager and Project Superintendent and Contractor's Subcontractor Representatives shall attend. The Contractor should be prepared to discuss a detailed plan for construction of the project at the meeting.

1.14 PROGRESS MEETING

A. The Engineer will conduct construction meetings involving:

1. Contractor’s project manager
2. Contractor’s project superintendent
3. Engineer’s designated representative(s).
4. Contractor’s subcontractors as appropriate to the work in progress.

B. The Engineer’s designated representative(s) will take meeting minutes and submit copies of the meeting minutes to participants and designated recipients identified at the Preconstruction Conference. Corrections, additions, or deletions to the minutes shall be noted and addressed at the following meeting.

C. The Engineer’s designated representative(s) will have available at each meeting full chronological file of all previous meeting minutes.
D. The Contractor shall have available at each meeting up-to-date record drawings.

E. The Contractor shall provide a two-week schedule projection at each weekly meeting.

1.15 CHANGE MODIFICATION PROCEDURES

A. Request for Information (RFI’s)

1. Contractor shall request clarification of contract documents by issuing a Request for Information to the RPR. Contractor shall afford at least 48 hours for Engineer's response. Engineer will provide electronic copy upon request.

B. Field Orders:

1. A written order effecting a change in the work not involving an adjustment in the contract price or an extension of the contract time, issued by the Engineer or the Owner to the Trade Contractor during Construction.

C. Change Order:

1. A written order to the Trade Contractor authorizing an addition, deletion, or revision in the work within the general scope of the contract documents or authorizing an adjustment in the contract price and/or contract time. Owner will provide electronic copy upon request.

1.16 MEASUREMENT AND PAYMENT

A. General:

1. The total bid price shall cover all work required by the Contract Documents. All costs in connection with the proper and successful completion of the work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction, installation equipment, and tools; and performing all necessary labor and supervision to fully complete the work and any mark-up, shall be included in the unit and/or lump sum prices bid. No item of work shown on the drawings or in the specifications will be considered for extra compensation due to a claim that it does not fall within the scope of one of the bid items.

B. Estimated Quantities:

1. The estimated quantities identified in the Bid Summary are approximate and are to be used only (a) as a basis for estimating the probable cost of the work. The actual amounts of work done, and materials furnished under unit price items may differ from the estimated quantities. The basis of payment for work and materials will be the actual amount of work completed and materials furnished per the unit or lump sum prices shown on the bid summary.

2. No direct payment shall be made for site clearing and cleaning, excavation, or compaction in accordance with industry standards and governing regulations.

C. Measurement and Payment Items

1. Bid Item – Mobilization & Demobilization: The measurement and payment for Mobilization & Demobilization shall be on a lump sum basis. Contractor’s cost shall include all cost associated with mobilization and demobilization, regardless of nature. The unit price shall include at a minimum:
   a. Mobilization/demobilization of material labor and equipment.
   b. Bonds, insurance, licenses, and permits.
c. Temporary construction and erosion control. The contractor shall perform street sweeping as needed as determined by the Engineer.

d. Direct site overhead including staging area, field office facilities for the contractor, moving and removing construction equipment to/from the project site and removal of any items placed on site by the Contractor.

e. Public Information. Residents abutting a street to be resurfaced or rehabilitated must be notified of the schedule and parking requirements a week in advance of the start of work. All No Parking signs must be placed a minimum of 48 hours in advance of work.

f. All other costs incurred or labor and operations which must be performed prior to and after completion of the other items under this Contract in accordance with the Plans and Specifications.

g. The lump sum price for Mobilization and Demobilization shall not exceed 5% of the total contract value and shall be paid as the work progresses, according to the following schedule:

<table>
<thead>
<tr>
<th>Contract Work Complete</th>
<th>Percent Available for Payment</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>25%</td>
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<tr>
<td>50%</td>
<td>60%</td>
</tr>
<tr>
<td>100%</td>
<td>100%</td>
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</table>

2. Bid Item – Traffic Control: The measurement and payment for Traffic Control shall be per lump sum. Traffic control plans shall conform to CDOT Standard Specifications for Road and Bridge Construction and the City of Northglenn Public Right-of-Way Standards and Specifications (see Section 16.1). The proposed temporary traffic control plan shall be submitted to the City of Northglenn for approval five (5) working days prior to the proposed installation of the temporary traffic control measures. Temporary traffic control measures may not be installed until the City of Northglenn approval is received. Construction delays due to the City of Northglenn's requested changes to the temporary traffic control measures or non-conformance with the specifications shall not be considered time delays. The unit price shall include at a minimum:

a. Cost of producing a traffic control plan (MHT)

b. All material, equipment, and labor required in association with the approved traffic control plan.

3. Bid Item – ADA Ramp: The measurement and payment for ADA Ramp shall be per each and shall include all materials, equipment, and labor necessary to furnish ADA ramp complete in place according to the most current edition of the CDOT Standard Specifications for Road and Bridge Construction, Section 412, and City of Northglenn Public Right-of-Way Standards and Specifications (see Chapter 10 and Drawing Nos. R4, R6 thru R11, etc.). The unit price shall include at a minimum:

a. Contractor shall use forms where concrete meets asphalt.

b. Edges shall be saw cut prior to removal of concrete.

c. Concrete work shall be completed prior overlay placement.

d. Contractor shall replace subgrade with new class 6 road base (4” minimum).

e. ADA ramps shall tie into existing sidewalks.

f. ADA ramps to include triangular fillet concrete in front of ramp and include truncated domes.

g. Asphalt patch-back shall stretch the full length of the replaced concrete section to a width no less than two (2) foot and a depth of six (6) inches or the existing depth, whichever is greater.

h. Contractor shall patch back roadway prior to overlay.

i. Contractor shall backfill excavated areas immediately after removing forming materials.
4. Bid Item – Curb Median w/ ADA Pedestrian Refuge: The measurement and payment for Curb Median shall be per square foot and shall include all materials, equipment, and labor necessary to furnish Curb Median complete in place according to the most current edition of the CDOT Standard Specifications for Road and Bridge Construction, Section 412, and City of Northglenn Public Right-of-Way Standards and Specifications (see Chapter 7 and Drawing Nos. R4, R6 thru R11, R13 thru R15, etc.). The unit price shall include at a minimum:
   a. Contractor shall use forms where concrete meets asphalt.
   b. Edges shall be saw cut prior to removal of concrete.
   c. Concrete work shall be completed prior overlay placement.
   d. Contractor shall replace subgrade with new class 6 road base (2” minimum).
   e. Curb Extension shall tie into existing sidewalks.
   f. Curb Extension to include triangular fillet concrete in front of ramp and include truncated domes.
   g. Asphalt patch-back shall stretch the full length of the replaced concrete section to a width no less than two (2) foot and a depth of six (6) inches or the existing depth, whichever is greater.
   h. Contractor shall patch back roadway prior to overlay.
   i. Contractor shall backfill excavated areas immediately after removing forming materials.
   j. Contractor shall crack seal joint between new construction and existing roadway.

5. Bid Item – Preformed Thermoplastic Pavement Marking (Xwalk, Stopline, etc.): The measurement and payment for Preformed Thermoplastic Pavement Marking (Xwalk-Stopline) shall be per square foot and shall include all materials, equipment and labor necessary to furnish pavement markings complete in place according to the most current edition of the MUTCD, CDOT Standard Specifications for Road and Bridge Construction, and City of Northglenn Public Right-of-Way Standards and Specifications (see Section 12.7.2, etc.). The unit price shall include at a minimum:
   a. Thermoplastic application shall be coordinated with paving activities.
   b. Thermoplastic shall be applied in accordance with manufacturer specifications.
   c. Thermoplastic shall be 125 mil thickness.

6. Bid Item – Uni-Directional Solar Rapid Rectangular Flashing Beacon: The measurement and payment for Solar Rapid Rectangular Flashing Beacon shall be per each unit and shall include all materials, equipment, and labor necessary to furnish an operational flashing beacon complete in place according to CDOT Standard Plan No. S-614-14. The unit price shall include at a minimum:
   a. Rapid rectangular flashing beacon shall comply to FHWA IA-21
   b. Rapid rectangular flashing beacon shall comply to SAW J595 Class 1 brightness requirements.
   c. Pedestrian push button shall comply to current MUTCD and ADA standards.
   d. Crosswalk signage shall comply to MUTCD standard signage requirements.
   e. Solar Rapid Rectangular Flashing Beacon shall operate 24 hours a day under normal operation.
   f. Normal conditions shall be considered twenty (20) uses per hour for 8 continuous hours.
   g. Adjacent Solar Rapid Rectangular Flashing Beacons shall wirelessly activate when one beacon is activated in the array.

7. Bid Item – Bi-Directional Solar Rapid Rectangular Flashing Beacon: The measurement and payment for Solar Rapid Rectangular Flashing Beacon shall be per each unit and shall include all materials, equipment, and labor necessary to furnish an operational flashing beacon complete in place according to CDOT Standard Plan No. S-614-14. The unit price shall include at a minimum:
   a. Rapid rectangular flashing beacon shall comply to FHWA IA-21
   b. Rapid rectangular flashing beacon shall comply to SAW J595 Class 1 brightness requirements.
   c. Pedestrian push button shall comply to current MUTCD and ADA standards.
   d. Crosswalk signage shall comply to MUTCD standard signage requirements.
   e. Solar Rapid Rectangular Flashing Beacon shall operate 24 hours a day under normal operation.
   f. Normal conditions shall be considered twenty (20) uses per hour for 8 continuous hours.
g. Adjacent Solar Rapid Rectangular Flashing Beacons shall wirelessly activate when one beacon is activated in the array.

8. Bid Item – Concrete Sidewalk: The measurement and payment for Concrete Sidewalk shall be per square foot and shall include all materials, equipment, and labor necessary to furnish complete in place according to the most current edition of the CDOT Standard Specifications for Road and Bridge Construction, Section 412, and City of Northglenn Public Right-of-Way Standards and Specifications (see Chapter 10 and Drawing No. R4, etc.). The unit price shall include at a minimum:

   a. Contractor shall use forms where concrete meets asphalt.
   b. Width of walk in all locations shall match existing and adjacent walk.
   c. Contractor shall backfill excavated areas immediately after removing forming materials.
   d. The soil receiving the concrete shall be moist, but not wet, and shall not contain frost or frozen material.
   e. Area shall be contour graded, compacted, and sloped, as required for proper drainage, soil stability, and maintenance accessibility.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 CONSTRUCTION REQUIREMENTS

   A. Contractor shall take reasonable precaution to prevent damage to existing facilities. All facilities damaged or removed during construction shall be restored or replaced to like new condition.

   B. Contractor to make all payments for the removal and disposal of asbestos containing materials as shown in the environmental assessment in accordance with all state and federal regulations.

END OF SECTION 013500