



ADDENDUM NO. 5

Issue Date: February 5, 2021

Project Name: 66th Ave Widening (49th St to 69th St) – IRC-1505

Bid Number: 2021018

Bid Opening Date: **February 17, 2021**

This addendum is being released to provide clarification, corrections, or change of the Bid Documents. The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

Any submitted questions that have not been answered will be addressed in an additional addendum.

Questions and Answers

1. Could the County please provide quantities for Mulch and Prepared Soil Layer for Phase 1A as was provided for Phase 1B Landscape and Irrigation quantities?
Quantities for Phase 1A have not been provided by the designer of this section, therefore it will be the responsibility of the contractor providing the bid to account for it in the Lump Sum Landscaping Bid Item.
2. On 1A Roadway, the 60" RCP (80 lf) on sheet 43 of 112 is not listed in the bid schedule, also there doesn't appear to be a proposed profile elevation? Please advise.
The Itemized Bid Schedule has been updated accordingly and will be issued with addendum 6, plans will be updated for construction.
3. On 1B Roadway, the 60" RCP (469 lf) on sheets 49-50, doesn't have a profile grade (other than a note to reference the cross sections). Please advise.
The proposed sub-lateral enclosures are not included in the profile for clarity. Please refer to the pipe end control information on the referenced sheets and the cross sections for additional information.
4. There is 72" pipe shown on the plans yet there is no bid item for it. How do they want us to handle this? It's on sheet 21 - 66th Ave and 53rd Street.
The Itemized Bid Schedule has been updated accordingly and will be issued with addendum 6, plans will be updated for construction.
5. Reference Phase 1B Roadway plans sheet 24: the total for the 18" RCP appears to be short 31 LF. Please verify that the sum for this page and the grand total.

The Itemized bid schedule has been updated accordingly and will be issued with addendum 6. The Summary of Pay Items, Sheet 11 and the Summary of Drainage Structures, Sheet 24 of the Phase 1B roadway plans have been updated.

6. Reference Roadway 1A sheet #20, Note 2: Color Treated and Stamped concrete (color to be selected by the engineer). Please provide color selection.
The color shall match the adjacent south section (brick red), a color chart should be provided with shop drawings.
7. Reference sheet B-4 for Bridge at 53rd St over Lateral "A" Canal, which has two notes referencing barrier walls on both sides of bridge: "TRANSITION VERTICAL BARRIER INDEX NO. 423 TO REINFORCED CONCRETE BARRIER WALL (SHOULDER) INDEX NO. 410 (SHEET 3 OF 25)". Confirm that the 32" F Shape Index 420 on South side of bridge and 32" Vertical Shape Index 423 on North Side of bridge are both to transition to Shoulder Concrete Barrier Wall - Index 410 sheet 4 of 25 Cantilevered wall as indicated in sheet C-1 under FDOT Standard Sheets.
The barrier walls on the bridge (423 and 420) transition to the cantilevered FDOT 410 barrier wall off of the bridge.
8. Reference sheet B-10 & B-11 Detail B for Bridge at 53rd St over Lateral "A" Canal. Concrete sections 5'-1" wide by 1'-6 3/4" thick: It appears reinforcement for this section is accounted for in the Estimated End Bent Quantities, but concrete for these sections is not accounted for in these concrete estimated quantities (sheet B-13 & B-14). Please provide updated concrete quantity to include these sections, and confirm concrete type to be used in these sections, is the intent to pour as part of the end bent (pile cap)?
The pile cap quantities for the end bents shown on sheet B-13 and B-14 do include the knee walls and the quantity shown is correct. The knee wall is not required to be cast at the same time as the pile cap placement.
9. Reference Sheet B-13 and B-14 for Bridge at 53rd St over Lateral "A" Canal. Estimated End Bent Quantities calls for Class IV concrete, but General Notes sheet B-2 calls Class II FC' = 3.4 concrete for pile caps. Confirm concrete type.
Concrete to be Class II per sheet B-2.
10. Will the county allow paving at nighttime county? If so, what are the working hours?
Yes, night time hours are typically from 9PM to 6AM, however, actual hours are depending on the paving operation.
11. Will the county be able to provide a construction schedule? Our schedule department considers that there is not sufficient time to complete this project?
The county will not provide a construction schedule, the Contractor will need to schedule approximate cost load and Manpower load based upon selected means and methods to complete the project within the contract time provided.
12. The pricing sheet for the bridge at the north relief canal (49th St. to 57th St.) has a unit of measure for the miscellaneous asphalt as Lump Sum, would the county be able to change it as per ton?
We do not intend to change the unit designation from Lump Sum to Per Ton.
13. Can you provide the bid pricing sheets in an excel format?
Was provided with Addendum 3.

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14. As per Section 570- Performance Turf, all sodded areas shall be guaranteed for one year after date of final acceptance. Please advise who maintain the irrigation system, and mow the sod during this guarantee period?
See Notes on Landscape plans for Guarantee, Care and Maintenance. (Part 1, 1.08 and 1.09) for Phase 1A Landscape Plans, and Phase 1B, Landscape and Irrigation Plans, sheet LD-2 and LD-2A. Further, the Landscape contractor shall maintain, water and mow all landscape items for a period of 6 Months after final acceptance.
15. Please advise who is responsible to relocate the property entrance gate for resident # 6730 in 69th St?
This is Parcel 316 (Mandina), Kimley Horn has developed a cure plan and corresponding construction cost estimate for the County and provided to County and County appraiser. The gate relocations associated with the parcel will be addressed within the right of way purchase.
16. Please advise who is responsible to relocate all property fences such as bare wire fence, wood fence, chain link fence, etc.?
For Phase 1B, the contractor is responsible to relocate/construct the proposed fencing identified within the construction plans and summarized within the Summary of Fence on sheet no. 18.
17. Can you please provide the FP&L construction schedule under Indian River Contract?
The contractor will need to coordinate with FPL.
18. Can 69th St be complete closed for a period of 120 calendar days?
Yes, please refer to Contract Documents, Division 2, Technical Specifications, Section 102 – Maintenance of Traffic. However, it cannot be closed at the same time as 65th Street.
19. Could you please provide the plans CADD files for the job?
Was provided with Addendum 3.
20. The bridge plans for 66th Avenue over North Relief Canal do not provide any information regarding the existing bridge. The plan view does not depict the existing bridge in relation to the proposed bridge. However, it appears from the roadway plans that the existing bridge falls within the footprint of the proposed bridge. If this is the case, then the new bridge needs to be constructed in 2 phases in order to maintain traffic on the existing bridge. Since the proposed bridge requires continuous transverse post-tensioning, construction sequence drawings & detail should be provided. Please clarify and provide details.
MOT design and subsequent phasing approach is to be determined by the Contractor. If the intension of the Contractor is to phase the bridge construction the contractor must obtain the services of a specialty Engineer. It is a requirement to keep 2 lanes (one lane in each direction) of 66th open at all times.
21. The bridge plans for 53rd Street over Lateral “A” Canal at 66th Avenue shows the existing bridge falls within the footprint of the proposed bridge, so the new bridge needs to be constructed in 2 phases in order to maintain traffic on the existing bridge. Since the proposed bridge requires continuous transverse post-tensioning construction sequence drawings & detail should be provided. Please clarify and provide details.
The intent of the bridge construction plans is for a full road closure, refer to Contract Documents, Division 2, Technical Specifications, Section 102 – Maintenance of Traffic.
22. In order to provide better pricing for the County, will it be for consideration to extend the bid date by a week, that way there is ample time to share the latest addendum 3 with the subcontractors and suppliers. Please advise.
The bid date has been extended 2 weeks to February 17, 2021.

23. How long will 66th Avenue be allowed to be closed, specifically with the bridge work?
66th Avenue will not be allowed to be closed. Two lanes (one lane in each direction) shall be maintained at all times.
24. Reference Specification Division 2 Technical Provisions Section 001 A. states all work is to use FDOT 2015, except for bridge and signal plans which will use 2016 edition. Structure Drawings for Phase 1A on cover sheet (ie sheet C-1 for bridge at 53rd) state use of FDOT 2016 drawings and specs, but General Notes (ie sheet B-2 for bridge at 53rd) state the use of FDOT 2015. Confirm all structures are to follow FDOT 2016.
- **Roadways of Section 1A and Section 1B are following FDOT Design Standards, Dated January 2015 and FDOT Standard Specifications for Road and Bridge Construction Dated 2015.**
 - **All bridge structures of Phase 1A (53rd Ave Bridge over Lateral A, 66th Ave Bridge over NRC, and 57th Bridge over Lateral A) shall use 2015 Standard Specifications for Road and Bridge Construction**
 - **All bridge structures of Phase 1B shall follow the specifications identified on the Structural Contract Plans key sheet and should reference 2016.**
25. Reference Pay Item 415-1-9 Reinforcing Steel for Bridge at 53rd St, pay item is 19,570 LB, this appears to be reinforcement for the West approach slab only, please confirm, and provide updated pay quantity to include the East approach slab.
The summary of quantities includes the quantities for the concrete and steel for both approach slabs.
26. Reference Pay Item 339-1 Miscellaneous Asphalt for Bridge at 53rd St, pay item is 2TN. Asphalt required in 4 corners as noted on sheet B-4, asphalt to be 2 inches thick per note on sheet B-12, confirm quantity should be 8.37 TN for this pay item.
The quantity for miscellaneous asphalt should be approximately 8 TN, 8.37 TN is an acceptable quantity.
27. Reference pay item 0110 3 REMOVAL OF EXISTING STRUCTURE (DWELLING) in Roadway phase 1A. No structure removal details are found in the Roadway Phase 1A drawings. Addendum 3 answered question #5 stating there are no dwellings to be demolished. Please provide scope of work, quantity, any as-builts and specifications that are required for this pay item.
The Pay Item Number 0110 3 has been deleted. The itemized bid schedule has been revised accordingly and will be issued with addendum 6.
28. The pricing sheet for phase 1A 00310-10 indicates the subtotal price for (49th street to 69th street); however, on pricing sheet for phase 1B 00310-18 indicates to submit a price for (57th street to 69th street), please clarify the intent on how to properly submit the prices.
The itemized bid schedule has been revised and will be issued with addendum 6. The subtotal price name has been corrected on sheet 00310-10 to reflect the correct limits of phase 1A (49th to 57th Street).
29. The price sheet for phase 1A does not have a subtotal for pavement markings; however, the pricing sheet for phase 1B have a subtotal for pavement markings only for the section from (57th street to 69th street), please clarify the intent on how to properly submit the prices.
Pavement Markings quantities for phase 1A are included in the Itemized Bid Schedule under Phase 1A, Roadway 49th Street to 57th Street.
30. Reference Section 00456 – Qualifications Questionnaire, Item #15 and #16. Item #15 Foreman – please clarify the definition of the Project Foreman. We will have a foreman for each main operation of work. Is the foreman definition more like the General Superintendent overseeing the 3 to 4 foreman? Item #16 – Project Manager – please clarify this role. Is this the main overall manager on-site or off-site?
Foreman – Person in Control of field operation
Project Manager – Control of Project, can execute Work Change Directives, Submittals, Schedules.

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31. Bid Item 425-2-72 MH, J-7, >10. Please provide structure information for S-2000 which is on the 66" RCP. **Rim 24.59, West Invert 13.10, East Invert 13.09, Sump 11.10. Structure information is being added to the plans.**
32. Bid item 425-1-451, Inlet, Curb, Type J-5, <10. There are only 3 ea. not 5, the other two are the conflict structures, item IRC 3.
The itemized bid schedule has been revised and will be issued with addendum 6.
33. Bid item 425-1-521 Inlet, Dt Bot, Type C, <10. There are 8 ea. not 6, structures FD-344 and FD-798 are shown in the drainage structure sheets but not in the quantities.
The itemized bid schedule has been revised and will be issued with addendum 6.
34. On plan sheet 38 there shows 64 lf of 72" RCP with no bid item?
The itemized bid schedule has been revised to include a pay item for a 72" RCP and will be issued with addendum.
35. There are no end treatments shown for the 48" x 76" ERCP, 66" RCP, and the 72" RCP, please advise? Class II Concrete and reinforcing steel?
David Gunter with IRFWCD has requested that rip rap bank protection be included on all outfalls into IRFWCD facilities. Plans are being amended and quantity of rip rap has been increased to 1156 tons.
36. Bid Item 400-1-2, Class I Concrete, Endwalls. There is actually 17.5 cy and not 8? EW-328 36" CEW is 4.53 cy. EW-322 30" CEW is 3.26 cy. EW-346 18" CEW is 1.56 cy. Lastly EW-343 48" CEW is 8.15 cy.
The itemized bid schedule has been revised to 17cy for item 0400 12.
37. Reference Roadway 1B Sheet 24 Summary of Drainage Structures shows a project total plan quantity of 39.6 CY of 66" Concrete End Wall, compared to Bid Item 400-2-2 with 125.6 CY, please review and provide correct quantity.
The quantity associated with pay item 400-2-2 includes 66" endwalls, as well as headwalls associated with 69th Street RCBC.
38. Reference Roadway 1A Sheet 16 Summary of Drainage Quantities shows a grand total of 15.94 CY of Class I Concrete End Wall, compared to Bid Item 0400 12 with 8 CY, please review and provide correct quantity.
The itemized bid schedule has been revised to 17cy for item Bid Item 0400 12.
39. The specs indicate that a Builders Risk Policy may be required. We have never had a builder's risk policy for roadwork or any bridge work. This looks like it may be something that was unintended for this project.
We will remove the Builders Risk Policy from the requirements.
40. The plans do not indicate any temporary post tension of the 66th avenue bridge over the north relief canal. If this is the case how much time is being allowed to close 66th Ave. If it is an accelerated amount of time, please allow for a 7 day a week work schedule.
Traffic (1 lane in each direction) shall be maintained on 66th Ave at all times.
41. Are all waterways on this project considered Florida Outstanding waterways?
All waterways directly connect to an Outstanding Florida Waterway (Indian River Lagoon). Therefore, requirements of turbidity are subject to being treated as a Florida Outstanding Waterway.

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42. Since no geotechnical information is available in any of the pond locations and what information that is provided within proximity of the ponds, only covers a portion of the material to excavate, can the contractors have access to the pond sites to dig “test holes”?
Yes, the County will provide access to perform test pits upon written request.
43. Addendum 003. “Clearing for the utility relocations (FPL posts) will be a first task on the Contractor’s Schedule”. Will FPL remove their poles or will it be the Contractor’s responsibility to remove/dispose of the poles.
FPL is relocating their poles and is responsible for removing the old poles.
44. The governing standards on the front cover sheet of the plans are stated to be the 2015 FDOT Standard Specifications. On sheet T-4 of the 1B Signalization Plans, note D1 states “MAST ARMS SHALL FOLLOW THE LATEST STATE OF FLORIDA MAST ARMS SHALL FOLLOW THE LATEST STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS INDEX No. 17743, 17745.” Are we to use the latest which would be the 20-21 Specifications or the 2015 Specifications? The 2015 specifications do not meet the current wind loading requirements.
The signalization improvement design was performed under the FDOT 2016 specifications. The referenced note is from the County signalization general notes.
45. It was stated in addendum 3 and at the pre-bid that there are no dwellings to be removed, but there has not been an addendum that removes Pay Item 0110 3 Removal of Existing Structure (Dwelling). Will there be a revised Bid Schedule to remove this pay item?
The Pay Item Number 0110 3 has been deleted. The itemized bid schedule has been revised accordingly.
46. Please provide pay item that correspond to bridge demolition for existing bridge at 69th St. Sta. 201+22.
The cost of removing the existing bridge at 69th Street shall be included within pay item 110-1-1.
47. Please confirm if the construction of the wing walls (plan sheet 76-77) for the reinforced concrete box culvert 12’ x 10’ is incidental to pay item 400-4-1 (Phase 1B)
The wingwall construction associated with the RCBC is to be included within pay item 400-2-2 Class II Concrete (Endwall). The cost of reinforcing steel within the RCBC wingwalls are incidental to this pay item.
48. Please confirm pay item 530-3-3 Rock Rubble in Bridges at 53rd St, and North Relief Canal includes: filter fabric, 1’ thickness of bedding stone, 2.5’ thickness of riprap rubble (bank & shore), and Keystone rock at the toe of the slope?
That is correct.
49. Please confirm pay item 530-3-3 riprap, rubble as per plan sheet No. 19 (phase 1A) only includes filter fabric, and 2.5 FT thickness of RipRap, rubble (bank & shore) around RCP pipes as indicated on plans.
All pipes entering IRFWCD facilities are to include rip rap bank protection. Plans are being amended and quantity of rip rap has been increased to 1156 Tons.
50. Phase 1B, plan sheet No. 12, footnote 530-3-4 states: “cost of rubble to include cost and placement of MARAFI fabric, bedding stone, and keystone aggregate”. However, details on plan sheet No. 78 doesn’t show bedding stone, please advise.

At one time bedding stone was contemplated to be utilized in conjunction with the ditch rubble riprap, but has subsequently been removed from the proposed improvements. No bedding stone is identified to be included with the proposed revetment.

51. The bridge plans for 53rd Street over Lateral "A" canal and 66th Ave. over North Relief Canal both require Neoprene bearing pads, but there is no pay item provided. Please provide pay items for which these will be paid for.

The contract unit prices for the pre-stressed precast units shall include the post tensioning tendons, anchor assemblies, neoprene bearing pads, pre-molded expansion material, epoxy grout and non-shrink grout.

52. The bridge plans for 53rd Street over Lateral "A" canal, 57th Street over Lateral "A" canal and 66th Ave. over North Relief Canal all require Bridge Expansion Joints, but there is no pay item provided. Please provide pay items for which these will be paid for.

The contract unit prices for the pre-stressed precast units shall include the post tensioning tendons, anchor assemblies, neoprene bearing pads, pre-molded expansion material, epoxy grout and non-shrink grout.

53. Addendum 3 did not include the FDOT bridge inspection report for the 66th Ave. bridge over the North Relief Canal. Please provide the latest report for this bridge.

Bridge Inspection Report for Structure ID 880006 has been included with Addendum 5.

54. The bridge plans for 53rd Street over Lateral "A" canal and 66th Ave. over North Relief Canal both require Post Tensioning for the Prestressed Deck Units, but there is no pay item provided. Please provide pay items for which this will be paid for.

The contract unit prices for the pre-stressed precast units shall include the post tensioning tendons, anchor assemblies, neoprene bearing pads, pre-molded expansion material, epoxy grout and non-shrink grout.

55. At the pre-bid meeting, it was stated that no houses within the project limits will be demolished. Under Phase 1A bid items 0110 3 Removal of Existing Structures (Dwelling) there is a quantity of two listed. Are these locations to be ignored? If not please provide additional information on these locations (not visible to the public).

The Pay Item Number 0110 3 has been deleted. The itemized bid schedule has been revised accordingly.

56. Reference the following two (2) contract documents,

- Section 01009 – Special Provisions, 1.1 General, B. "Furnish sufficient labor, construction equipment and materials, and work such hours, including night shifts and overtime operations, as may be necessary to insure the prosecution of the work in accordance with the approved progress schedule."
- Page 325 of 326, Indian River County, Traffic Engineering Division Special Conditions, #7. "There shall be no construction work after dark."

Is the Contractor allowed to work nights and weekends?

Regular work hours for Indian River County are defined Monday through Friday 7AM to 5PM, excluding Indian River County Holidays except in case of emergency or upon specific permission of the Engineer. Please see Section 0800 Supplementary Conditions to the General Conditions, SC-6.02 Labor; Working

Hours. The Contractor can request to work outside regular work hours. Granting permission will depend on inspection staff availability, MOT requirements, sufficient lighting, and safety of the public.

57. Addendum #1 is missing auger boring reports for the Roadway section 1A (starts at AB-44 see 53rd St, etc.). Please advise.

Additional Soil profiles are included with Addendum No. 5.

58. We were under the impression boring reports and recommendations were also to be issued for Roadway section 1B? Please advise.

The Roadway Soil Report "66th Avenue Roadway Widening, 500 feet North of 57th Street to Barber Street" by Dunkelberger Engineering and Testing, Inc., April 25, 2007 has been attached to Addendum 5.

59. Phase 1B has a pay item for mailbox F&I; however, phase 1A does not have a pay item for this scope, will there be a line item added for mailbox F&I for Phase 1A or will this be an incidental item? Please advise.

We have added a line item for mailbox F&I for Phase 1A.

60. Phase 1A, Pay Item No. 0514 71 2 PLASTIC FILTER FABRIC, STABILIZATION: is this referring to the Plastic Erosion mat noted on 1A Roadway Drawing sheet #19 "Detail of Fill at Lateral or Sublateral Canals"? If not, please confirm where this plastic fabric is located.

Pay item 0530 3 3 requires the filter fabric and bedding stone be included in the unit price bid for rip rap rubble.

61. Will the County be able to provide coring data?

There is no coring data available for this project.

62. Will the County be able to provide a pay item for color treated & stamped concrete treatment per detail sheet 20 of the Roadway Phase 1a Plans? Or will this be an incidental item for the 6" concrete sidewalk?

The pay item for color treated concrete is 0523 2 – Patterned Pavement, Concrete, Non-Vehicular Areas.

63. Could you please clarify what concrete mixes are required for this project? I have had bidders contacting me for quotes on concrete and some are asking for DOT Mixes others are asking for GOV mixes which are the same as DOT but do not include the D1 ticket and others are requesting just regular concrete for the project. There is a substantial price difference between regular concrete and DOT mixes. When we supplied the concrete on the first PH of 66th Ave we supplied GOV mixes to the contractors that did the curbs, sidewalks and bridges. If you have any questions please let me know.

This project follows FDOT Specifications, therefore all concrete mixes shall be approved FDOT mixes.

64. Does the County have a Utility Work Schedule for the of the remaining power poles that need to be relocated?

FPL is on notice and the successful contractor will need to coordinate with FPL.

65. Will the millings of the existing road demo belong to the County?

Millings are to be delivered to Indian River County Road & Bridge Department, 4550 41st Street, Vero Beach.

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66. Please clarify is the intent of the Plans is to use Color Treated & Stamped Concrete per detail sheet #20 of the Arcadis Plans or Pay Item 523-2 Patterned Pavement Concrete, Non-Vehicular (no details for this item on the plans)?

Yes, this is the correct pay item.

67. Can you provide the plans for project 0907 by Carter Associates Inc. that they tell us to reference on sheet 44 of 112 of the Phase 1A plans?

Plans are provided with this Addendum.

The updated Itemized Bid Schedule will be provided with Addendum 6.

Attachments:

- Bridge Inspection Report for 66th Ave over North Relief Canal, Bridge Structure ID: 880006
- Geotechnical Services Report, Sadwani Pond for 66th Avenue Roadway Widening, December 12, 2007, prepared by Dunkelberger Engineering & Testing Inc.
- Roadway Soil Survey, 66th Avenue Roadway Widening, 500 feet North of 57th Street to Barber Street, April 25, 2007, prepared by Dunkelberger Engineering & Testing Inc.
- As-Built Plans, 66th Avenue Roadway Improvements, IRC project No. 0907 by Carter Associates, Inc.
- Updated Sheets 66th Avenue Roadway Widening, Phase 1B, sheet 11, 62, 63, 178, 179, 217.