

Received from
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on 8-23-17

RFI Number 1

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on October 23, 2013

1. Will a pre-bid meeting be held to discuss potential questions that Contractors may have regarding the Lake Decatur project?
 - *A teleconference will be held on November 4 at 2:00 pm CST. Please forward the phone number you would like to be reached at to Nick Burrus (nburrus@hlcclp.com) no later than end of day November 1.*
2. Will any additional site visits be held in conjunction with the pre-bid meeting?
 - *If the contractor wishes to visit the site, they shall contact Nick Burrus a minimum of 48 hours before being on site to allow scheduling of access in and out of sediment basin.*
3. Will the contractor be permitted to take soil borings throughout Lake Decatur to better determine the geotechnical nature of the material to be dredged?
 - *Contractors will be allowed to access the lake and obtain soil samples.*
 - a. Would the owner consider employing an Engineering Firm to take soil borings prior to the bid date to provide perspective bidders with better geotechnical data for developing their costs?
 - *Any additional sampling aside from what has been provided within the bid documents will be the responsibility of the bidding contractors.*
 - b. If the owner will not provide geotechnical borings can the owner consider postponing the bid opening by 1 month to allow the contractor ample time to collect this information?
 - *At this time, the City is maintaining the current bid schedule and no additional time will be allowed.*
4. Plan Sheet No. 10 indicates a submerged dam located in Big Creek.
 - a. Did this dam already exist in the creek prior to this contract?
 - *No dam exists at this time. The dam referred to will be created by the Contractor as part of the silt trap for sediment entering the lake. The purpose of the silt traps is to trap sediment in specific upstream areas of the lake to reduce dredging efforts in the future.*

- i. If so what type of material does the dam consist of (i.e. rip rap, clay, sand, etc)?

- N.A.

- b. Is it the purposes of this contract to form out of existing materials this dam?

- Yes

- i. If so can the contractor dredge floatation deeper than the 610' elevation, shown at the crest of the dam, into the far Eastern end of Big Creek and then go back & construct the dam to the elevations indicated in the plans, following that dredging, with excavators?

- The method and means by which the dam is constructed is the decision of the Contractor. The Owner is interested in construction which will result in a long term use of the silt trap.

- 5. Plan Sheet No. 24 details Basin 6 Sediment Trap Dredging Limit.

- a. Can the owner please provide additional details regarding the dredging template in Basin 6?

- Yes, the Owner will supply additional information regarding the shape of this trap at the conclusion of construction in 2011 as a part of Addendum No. 1.

- b. What are the dredge depth elevations?

- These elevations will be included in Addendum No. 1.

- 6. Bid Item 201001110 Tree Removal (6 to 15 Units Diameter) Unit indicates a quantity of 250.

- a. Does this bid item handle the removal of all of the trees within the Oakley Sediment Basin as indicated on plan sheet no. 27 in the notes?

- Yes. Trees are defined in the SSRBC as equal to or greater than 6 inches in diameter. Remaining growth is handled within the verbiage for Clearing and Grubbing.

- b. Is the "6 to 15 Units Diameter" description above read incorrectly? Should it state, "6 to 12 Inches Diameter"?

- A unit represents one inch diameter, so a 6 unit tree is 6 inches in diameter.

7. Bid Item XX101793 Alterations, Cancellations, Extension, Deductions and Extra Work is bid at L Sum 1.

a. Can the Owner please clarify what this bid item covers with regards to payment & construction?

- This item is to cover the unforeseen items that may develop during the project. The contractors shall place \$250,000 for this line item.

8. Bid Item XXXXXXXX4 Dredge Material has a quantity of 10,736,733.

a. Can the owner please break this bid item into smaller quantities by defining each basin and area as an individual bid item?

- The quantities for each basin are shown on the summary of dredging material on Drawing No. 25.

i. Can the owner consider having a base contract amount that includes Basins 1 & 2 and then alternate bids for adding Basins 3 & 4? This will avoid having negative numbers in the bid form.

- The Owner is agreeable to having negative quantities shown in the bid form.

b. Will there be acceptance sections defined within each dredge area?

- On a previous project for the dredging of Basin 6, the Contractors work was accepted per the monthly production within specific sections of Basin 6. We would anticipate measuring production in a similar fashion for this project.

i. Will these acceptance sections be defined by the Contractor prior to dredging?

- The Contractor would inform the Owner at the end of each month, the limits of production for the month. The Owners representative will measure the monthly production of the Contractor by performing a bathymetric survey of this area.

c. How will the quantities be measured & paid for?

- The dredging quantities will be measured per bathymetric surveys by the Owners representative. The information produced will be shared with the Contractor.

i. Can the Owner please provide how this material will be surveyed?

- The bathymetric survey will be performed using a fathometer and GPS software. The Owners representative utilizes HYPACK software.

1. Will the owner accept the Contractor's surveys for payment purposes?

- The Owner will perform monthly production surveys to verify the production estimates of the Contractor.

- ii. The cross sections in the plans indicate a 90 degree box cut for the dredge template in all basins & dredge areas. There are also typical sections that indicate a 2:1 slope (natural repose). Will material be paid for that sloughs in at the natural angle of repose?

- Measurements will be taken at the end of each months dredge production. The measurements will record the actual shape of the bottom of the lake at the time of the survey. The measurement frequency will be set to record the lake bottom at very short intervals in distance.

9. Bid Item Alternate No. 3, Truck Sediment to Corley Landfill, does not indicate a quantity on the bid form, although SP-16 states this work will be paid for by the Cubic Yard.

- a. Should the 13,310 Cubic Yards be added to the bid form?

- Yes. This will be added as a part of Addendum Number 1.

10. GC-8 - ESTIMATED QUANTITIES AND LOCATION CHANGES states, "The quantities for this job are estimates only. These estimated quantities are used for establishing unit prices. The City reserves the right to increase, decrease, or omit any of the estimated quantities in this project. No additional compensation will be allowed for these changes.

- a. This clause is in contrast to SP-13 which states that all alterations, cancellations, extensions, deductions, or extra work shall be completed and paid for in accordance with Section 104.02 of the SSRBC. Can the owner confirm that the SSRBC will prevail if a variation in estimated quantity is significant enough to alter the cost to do the work?

- SP-13, per the answer in question 7, is an item set up for contingency work unknown at the time of the bid. The work outlined in GC-8 is work known at the time of the bid.

11. GC-11 – INSPECTION states, "The Contractor shall perform regular water quality sampling, testing and reporting in accordance with the requirements contained in IEPA Permit (Pending)."

- a. When does the owner expect the actual IEPA Permit to be released?

- We anticipate permit approvals by end of year 2013.

- i. In addition to the IEPA permit when does the owner expect to receive the DOA Corps of Engineers Permit & the IDNR permit?

- Same as above. This will be the 3rd dredging project on Lake Decatur. Prior permits have had similar conditions attached to them. We anticipate similar conditions for this project. The last approved permits are included in the Project Manual for your use.

- 12. SC-1 - PREVAILING WAGE RATES states, "The Contractor shall not pay less than the prevailing rate of wages to all laborers, workmen and mechanics performing work under this contract, and shall comply with the requirements of the Illinois Wages of Employees on Public Works." It also states, "If the Illinois Department of Labor revises the prevailing rate of hourly wages, the revised rate shall comply."

- a. This contract has a completion date for the base bid of 12/31/2019. There is a significant chance that the prevailing wages will change over the course of this period of time. Can the owner provide a Project Labor Agreement that will define wage rates through the term of this contract?

- The Owner is reviewing the possible use of a PLA and will issue an addendum on this topic after the review is complete.

- b. Can the owner add a clause to the contract that would allow for an adjustment in unit price if labor rates do change under the Illinois Department of Labor?

- We understand labor rate increases will occur for all companies typically on an annual basis. This is a typical occurrence in all industries. We will not make an allowance for changing unit prices based on increases in labor rates.

- 13. Under Special Provisions, the following Standard Specifications shall be used for this project: The Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (SSRBC), dated July 1, 2012.

- a. Looking online it appears as though the most recent version is dated January 1, 2012. Can the owner please clarify if the date above should read January vs. July?

- Yes, the latest SSRBC is January 1, 2012.

- i. Can the owner please provide a PDF copy of all standard specifications that the Contractor should be following including the four listed in the special provisions?

- The SSRBC is available on line at www.dot.state.il.us/dsenv/stdspecs12.html

14. SP-5 OVER-DEPTH DREDGING states, "Due to the large surface acreage involved in this project and the tremendous impact to total sediment removal quantities with minor over-depth dredging, no over-depth dredging will be measured for payment. If the Contractor chooses for his own convenience or hydraulic efficiency to dredge to a depth deeper than indicated on the plans, he/she may do so but with no additional compensation from the Owner. Areas of proposed over-depth dredging shall be approved by the Owner in writing in advance of actual work."

- a. Is it the expectation for the dredge areas indicated on the plans to be dredged to the required grades as indicated in those plans?

-Yes, payment for dredging will go to the elevation dredged by the Contractor, not to exceed the elevations shown on the drawings.

15. During the RFP teleconference interview, we were asked if beginning the dredging in Basin 1 would impact the cost of the project. Is it still the desire of the Owner to begin dredging in Basin 1?

- Yes, the Owner desires the dredging operations to begin in Basin 1.

16. Can you provide a contact for the farmer that is leasing the City's property adjacent to the Sediment Basin?

- Jim Schroeder with Hickory Point Bank Agricultural Services (the City's farm manager) is available to discuss farming options at the site. His phone # is 217-872-6292.

RFI Number 2

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on November 1, 2013

1. Is there another pipe which would be acceptable for the water mains within the lake? The quoted pipe is very expensive.
 - *The Owner is investigating whether other materials may be substituted.*
2. The bid item for engineers field office is only for 12 months. Can it be assumed that it is only to be supplied during construction of the Oakley Basin?
 - *The field office is only needed for the rehabilitation of the Oakley Basin.*
3. GC-4 - Contract Warranty - This section implies that dredging must also be warranted for one year. Can we assume the warranty only covers materials and activities at the Oakley Basin?
 - *The Owners concern with warranting the dredging is related to any damage which may occur to lakeside property as a result of dredging. This could be shore walls, piers, docks, et cetera.*
4. On projects for the City of Decatur, prevailing wages are adjusted monthly. Would it be possible to fix the wage rates on a yearly basis?
 - *The Owner does not have control over adjustments in wages and benefits paid to labor outside of their own staff.*
5. SP-10 - Dredge Material - "The maximum to be paid is the quantity in the plans or as adjusted by the Owner in writing." What happens if the survey quantity of available material is more than the advertised quantity? Will the contractor be paid for all yardage dredged within the pay template or only the advertised quantity?
 - *The Contractor will be paid for the actual volume of material removed from the lake within the horizontal and vertical limitations shown in the plans. The volumes will be verified by monthly surveys conducted by the Owner's representative.*
6. Would it be possible to supply the as-built drawings for both the original construction of the Oakley Basin and the levee raising project?
 - *The Owner will supply what information is available at its earliest convenience through Decatur Blue. The Contractor will be contacted when this information is available for purchase.*

7. In reference to page 54 SP – 17 - Removal and Disposal of Unsuitable Material it states “this material when spread out and dried may be used in constructing new embankments” will this material be paid for as unsuitable material and then as Furnish Excavation?

- *The Contractor will be paid for his effort in removing unsuitable material, which will allow new embankments meeting proper density requirements to be constructed material. The Contractor will then be paid to construct new embankments from suitable material within the infield area. This may be material which was deemed unsuitable prior to drying out.*

8. Under the General Conditions # 8 Estimated Quantities and Location Changes, does this paragraph refer that if the quantities for any of the items increase that we will not be paid for that additional quantities at the bid unit prices?

- *The quantities in the plans are estimates. Payment will be for the actual quantity measured and paid for at the unit price established in the Contractor's bid. This quantity may be more or less than the plan quantity.*

9. Bid Item 20201200 Removal and Disposal of Unsuitable Material - Does this include any material that needs to be removed to access suitable soil for constructing the proposed Levee Embankment which is not within the levee footprint?

- *Item 20201200 refers to the areas outlined as UM on the cross section drawings. Efforts to explore and find Furnished Excavation (FE) material should be included in the unit price for that item. Material for FE shall come from the interior of the sediment basin.*

10. On the bid form under Alternate Bids does Basin 1 include Areas 1, 2, Sand Creek, and Big Creek or just Areas 1 and 2?

- *Basin 1 includes Areas 1, 2, Sand Creek and Big Creek.*

11. Can the existing Water Control Structures that are to be removed, be broken up and left on site?

- *The removal of the Water Control Structures shall meet the requirements of the specifications for Removal of Existing Structures Section 501 of the SSRBC.*

12. Can the cleared trees, brush and phragmites be left on site?

- *The Contractor's work shall meet the requirements of Section 201 of the SSRBC for clearing and tree removal. The Owner anticipates similar permit conditions to be granted by the permitting agencies as before. The conditions for this request are covered under ACOE Item 5 and IEPA Item 3 of the Permit section in the Project Manual. The Contractor is*

responsible for coordinating the interpretation of these conditions with the permitting agencies.

13. Can the stripped soil containing root mass be left on site?

- *See answer for question 12.*

14. Is the Bid Item Stone Dumped Rip-Rap Class A5, the material that is to be used in the Bid Item Gabions? If not, what size stone is to be used in the gabions and what size are the gabions? Where is this bid item to be used?

- *The details for Rip Rap and Gabions are shown on Drawing 39. The size of the aggregate for Stone Dumped Rip Rap Class A5 is not related to the size of aggregate for Gabions. The size of the aggregate to be used for Gabions is only limited by the framing dimensions for the gabion baskets of the supplier and the overall dimensions shown on the drawing.*
- *The location of the gabions is shown on the Schedule of Quantities (Drawing 4) and the Supply and Return Water Systems (Drawing 38).*

15. There are four types of Erosion Control Blanket listed in IDOT SSRBC 2012. What type is required for this project?

- *Erosion Control Blanket shall meet the requirements of Article 251.04 of the SSRBC. There are two material options noted in this section.*

16. Where is the Engineers Field Office to be located? Is there an electrical power drop at the location?

- *The Owner anticipates the office to be located on the aggregate pads to be constructed adjacent to the intersection of Angle Crossing and Stare Roads. Electrical power is currently located on poles running along Angle Crossing Road. This information is shown on Drawing 34.*
- *Utility owner information is shown on page 27 of the Project Manual.*

17. The detail for the silt fence on Sheet 52 is different than the one shown on Standard Detail 280001-07 sheet 1 of 2. Please clarify.

- *The Contractor shall follow Standard 280001-07 for this project.*

RFI Number 3

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on November 1, 2013

1) The Oakley Sediment Basin appears to not have enough capacity to dredge the 10,736,733 Cubic Yards within Lake Decatur.

a. If the 10.7 Million Cubic Yards above is the neat take off quantity for dredging & payment the Owner will also have to consider non-pay cubic yards dredged in order to meet the proposed elevations as defined in the plans. This could add a significant quantity above the 10.7 million cubic yards that will also be disposed of in the Oakley Sediment Basin.

i. Can the Owner confirm that there is enough fill capacity in the Oakley Sediment Basin to place all dredged material required to meet the elevations in the plans?

- *The levee height was designed to accommodate the 10.7 million cubic yards of material to be dredged from Basins 1-4.*

ii. Does the Owner plan on not awarding all of the dredge areas which would potentially require less material to be put into the disposal area?

- *The intent of the Owner is to dredge Basins 1-4.*

2) RFI #1 states that owner desires dredging operations to begin in Basin 1.

a. Is the Contractor required to begin dredging in Basin 1? *Yes*

3) Alternate Bids No. 1 & No. 2 are for deductions in bid price for either dredging only Basins 1 – 3 or Basins 1 – 2 only.

a. Does this mean that the Contractor will only be dredging the basins mentioned above strictly and will not include Big Creek, Sand Creek, or any small sediment traps?

- *The Owner may choose to do less dredging based on the price of the base bid. If so, the alternate bids will include all of the work in Basin 1 (Big Creek, Sand Creek, Areas 1 and 2 as well as the sediment traps)*

4) Is the owner aware that due to normal inaccuracies of the dredging process that the contractor will have to dredge deeper than indicated on the plans in order to achieve the required grades as shown?

a. Can the owner confirm that incidental over digging can be performed without violating permits to achieve the elevations shown in the plans?

- *The Owner is not aware that over digging will cause any permit violations. Over digging has occurred on previous dredging projects for Lake Decatur.*

b. What depths can the contractor dig to without violating the permits within each respective dredge area?

- *See explanation for a. above.*

5) SP-10 Dredge Material states, "The total quantity of material to be removed by hydraulic dredging is shown on the plans. The quantity is based on bathymetric surveys conducted for the Owner in June 2008 in Basins 1-4 and spring of 2012 in Basin 6 to determine the existing lake bottom elevation."

a. Can the owner provide a more recent bathymetric survey to determine dredge quantities from?

- *A more recent bathymetric survey of the lake has not taken place.*

6) SP-20 Furnished Excavation indicates the maximum density requirement shall be 95% of the standard proctor.

a. Should the compaction be a *minimum* density of 95% of the standard proctor?

- *See Section 205 Embankment, specifically Article 205.06 Compaction of the SSRBC for density requirements.*

b. Are there any restrictions on the furnished excavation locations? (i.e. minimum offset from interior dike toe, maximum excavation depth, minimum side slopes for excavation)

- *The plans do not restrict the Contractor from excavating material from any area within the interior of the sediment basin.*

c. Is the contractor or owner responsible for performing the required soils testing of the dikes?

- *The Owner is responsible for soils testing of the embankment.*

7) During the RFP stage the contractor was asked to discuss a method for allowance in change of energy costs such as diesel, gasoline and electric cost over duration of project that is fair to City and Contractor.

a. Will the owner be adding a fuel escalation clause to the contract documents to reduce the risk of fuel price escalation during the course of this six year contract?

- *The Owner plans to use a fuel escalation clause on this contract.*

b. Could the owner please define what fuel price should be utilized at the time of bidding by defining which fuel index will be used?

- *Yes, the Owner plans to set a fuel price and index to be used for bidding purposes.*

- 8) The water levels in Lake Decatur are currently below normal levels.
- a. Will the Owner allow the Contractor to dig floatation channels from staging areas to dredge basins and from basin to basin if necessary?
 - i. This may be needed if water levels are low enough to cause draft restrictions.

-This has not been necessary on previous dredging projects but the Owner will consider if necessary.

- 9) We are having several potential upland contractors requesting access to the Oakley Sediment Basin.

- a. Would it be possible to organize a two day period of time that would allow any interested contractors to come and do a due diligence site visit & investigation in that area?

- *Yes.*

- 10) Can the City provide a Crossing Detail for the proposed dredge influent pipe crossing? (see Plan Sheet 38)

- *The Sangamon Road Crossing detail on Drawing 38 was used previously on the Basin 6 dredging project. It is shown now for this project as a guide to how the Contractor may choose to place the effluent line. The only material currently present at this location is the 24 inch diameter steel casing.*

- 11) At the Oakley Sediment Basin, can tree removal and clearing woody debris be stacked and disposed of within the basin, or will this woody debris need to be disposed of offsite?

- *See response to RFI 2 Question 12.*

12) SP-24 WATER CONTROL STRUCTURES

- a. Can the City provide the as-built plans for the existing water control structures that are to be removed?

- *See response to RFI 2 Question 6.*

- b. Can the City provide Northing/Easting Coordinates for the locations of the proposed water control structures?

- *Yes, these coordinates will be included in Addendum No. 1.*

- c. What is the foundation design of the existing water control structure?

- *This will be included in release of existing plans per 12a above.*

d. Do the foundations for the existing and proposed water control structures overlap?

- *No, the foundations do not overlap.*

e. Do existing piles need to be removed?

- *The existing water control structures are on spread footings with no piling.*

f. Can the contractor utilize precast sections for the Water Control Structure walls?

- *Yes. Shop drawings shall be submitted to the Owner for verification that structural adequacy is achieved. The drawings shall be sealed by a structural engineer in the State of Illinois.*

g. Will a horizontal construction joint(s) be allowed in the walls of the proposed water control structures?

i. If so, at what frequency/spacing?

- *Yes, The Contractor shall hire a structural engineer licensed in the State of Illinois to determine the feasibility and wall panel connection details. Once determined, shop drawings shall be submitted to the Owner for verification and approval. The shop drawings shall be sealed by the Contractor's structural engineer, which will cover the structural adequacy of the changes to the original proposed water control structures.*

- *Horizontal construction joints may be placed at an interval of one-third of the total wall height. This will allow for 2 construction joints maximum for each structure.*

13) SP-21 WATER MAINS CROSSING LAKE

a. Can the City provide a utility plan for the proposed water main installation that detail all bends, valves, vaults, fitting, air releases, construction limits, ROW limits, etc? Current plans do not have adequate information to estimate the water main construction costs.

- *The Owner is developing these details as part of Addendum 1.*

b. Can the spoils from the water main trench excavation be side cast adjacent to the trench, or will the spoils need to be removed from the lake at the time of excavation?

- *The spoils can be cast aside for later removal by the dredge.*

c. Does the proposed 16" water main trench need to be backfilled after installation?

- *Backfilling of the trench will not be required.*

d. Can water from water main installation dewatering operations be discharged into the lake?

- *Yes.*

e. Can the City provide the as-built plan/profile drawings for existing water mains that are to be removed?

- *The Owner will supply any available information.*

f. Does the City provide vehicular access and staging areas at all of the land side tie-ins?

- *The Owner will secure any necessary easements to construct the main and allow access for Contractor equipment.*

g. Would the City consider any hazardous material, such as lead, asbestos, etc., encountered from existing water main removal a changed condition?

- *The removed water main becomes the property of the Contractor at the time of removal and shall be disposed of as allowed by State or Federal laws and regulations in effect at the time of the bid opening.*

14) Would the owner consider postponing the bid date by one month?

- *The Owner has made a decision to move the bid date to Friday December 6, 2013 at 2 pm.*

RFI Number 4

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on November 4, 2013

- 1) Will the owner entertain extending the bid due date until November 29, 2013?
 - *The bid date has been revised to Friday December 6, 2013 at 2 pm.*
- 2) Will another pre-dredge survey be conducted in each basin prior to commencement of dredging in each respective Basin?
 - *The current plan is for the Owner to perform a pre-dredge survey in each of the basins prior to commencement of dredging.*
- 3) Will the template be adjusted to compensate for shoaling which has occurred since the BD survey in 2008?
 - *The current plan is to use the dredging template shown on the plans.*
- 4) If low water conditions exist can material be mechanically excavated and trucked to the Sediment Basin?
 - *The Owner feels this effort would be allowed as necessary. This would be viewed as a methods and means issue. The Contractor would be compensated at the unit price established for the contract.*
- 5) Can tree stump removal be done mechanically prior to the hydraulic dredging?
 - *Per SP-4, the Owner feels removal by hydraulic dredging would be more cost efficient. The Contractor may use other methods such as mechanical if it cannot be accomplished by hydraulic dredging.*
- 6) Will the contractor be allowed to construct staging sites on either side of the road at Stage Site A?
 - *The sites that were shown in the RFP are possible sites that may be used for staging of dredging operations. The Contractor is responsible for gaining permission to utilize these sites from the property owner.*
- 7) Will bulkhead and backfill be allowed at the Stage Areas?
 - *Any materials that will be placed within the lake limits will require a permit from the appropriate permitting agencies, e.g. the Army Corps of Engineers.*

The Contractor is responsible for securing all necessary permits for these purposes.

- 8) Can the concrete dock area, owned by the City of Decatur, which is located south of Stage Area L be utilized by the Contractor for staging purposes?

- ***The Owner is agreeable to allowing the Contractor to use this dock for dredge support operations.***

- 9) Will the owner entertain a different schedule for the release of retainage as the amount of retainage will be significant for a long duration?

- ***The retainage schedule in the Project Manual was used for the dredging of Basin 6. The Contractor may submit a recommended retainage schedule that is both fair to the Contractor and the Owner for consideration.***

- 10) What is the owners basis of award for the contract? Low Bid on base bid? Low on base minus option 1 etc?

- ***Please refer to the Information for Bidders at the bottom of page 6 and the top of page 7.***

- 11) There is no allowance for payment of any over-dredging to reach required grade. Is there a vertical acceptable tolerance above the required grade?

- ***There is no vertical acceptable tolerance established for the project at this time. Payment will be to the elevation dredged, not to exceed plan elevation. This is a large water capacity project for the Owner, and dredging to the plan elevation will yield maximum benefits for the community.***

- 12) Can the 65% of Mobilization be paid out per a schedule of values? Eg. Upon mobilization of earth work equipment, mobilization of dredge pipeline, mobilization of dredge and boosters?

- ***SP-9 was used for the dredging of Basin 6. The Contractor may submit a recommended mobilization schedule that is both fair to the Contractor and the Owner for consideration.***

- 13) Can the hydrant relocation in SP18 be relocated to another area at the edge of the property so it can be utilized for water during the construction of the Oakley Sediment Basin?

- ***Yes, it can be moved at the Contractors expense to a temporary location for use during construction. The water line goes to a meter box along Sangamon Road. The Owner may charge the Contractor for water usage. All work outlined in SP 18 shall be finished at the conclusion of the project.***

14) For bid item 25100630 Erosion Control Blanket are we to assume the material is a standard IDOT single net straw?

- *Erosion Control Blanket shall meet the requirements of Article 251.04 of the SSRBC. There are two material options noted in this section.*

RFI Number 5

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on Friday November 15, 2013

1. The Project Manual states, "The Owner reserves the right to pre-qualify all bids, post-qualify all bids, to reject all bids, not to make an award and/or accept the Proposal deemed most advantageous and to the best interest of the Owner.

a. What is the evaluation of bids based on?

- *The bids will be evaluated on unit and overall price.*

i. Will it be the base bid or base plus alternates?

- *The Owner reserves the right to determine which of these constitute the best bid.*

b. When will a determination be made regarding the alternate bids?

- *That determination will not be made at the bid opening, but at a later date.*

i. Will the Contractor know which items are to be awarded at the time of the initial award or can the owner change which items are awarded after the initial award?

- *The Contractor will know the items to be awarded prior to the time of award.*

c. With the new bid date, what is the schedule for award?

- *The award typically occurs within 30 days of the bid opening, but will not be made until permits are secured for the project and the City Council approves the contract. The Owner has reserved 120 days to hold the bids.*

2. SP-9 states, "Sixty Five (65) percent of the MOBILIZATION Lump Sum price shall be paid upon completion of respective mobilizations and the complete readiness of the Sedimentation Basin to begin hydraulic dredging."

a. Can the owner confirm that once the dredge begins pumping material into the Oakley Sediment Basin that the Mobilization Lump Sum price will be paid as stated above?

- *The Owner would pay this amount on the invoice following completion of the work stated in the project manual as shown above.*

b. Will payments be made for other bid items that are constructed during the course of mobilizing & preparing Oakley Sediment Basin for dredged material? (i.e. Tree Removal, Earth Excavation, etc.)

- *Yes.*

c. There is a significant mobilization effort in order to begin dredging in basin 1. Would the owner consider partial payment of the mobilization as equipment arrives on-site prior to the complete readiness of the Sedimentation Basin to begin hydraulic dredging? (This could be an incremental schedule of values based on equipment values agreed to prior to mobilization efforts beginning.)

- *SP-9 was used for the dredging of Basin 6. The Contractor may submit a recommended mobilization schedule that is both fair to the Contractor and the Owner for consideration.*

3. The project manual discusses retaining certain percentages of dollars due on the mobilization & dredging line items.

a. Are these the only two line items that the owner will have retainage?

- *The Owner will retain a portion of the Contractors monthly pay estimate as described in SP -10 and will pay out Mobilization per the schedule noted in SP-9. The retainage in SP-10 applies to the sum of all items listed on the estimate.*

4. Can the owner please confirm that if either Alternate Bid No.1 or No.2 is awarded that Basin 6 and the stumps within Basin 6 will not be part of the scope of work required under those alternates?

- *The Owner desires the work in Basin 6 to take place as a part of this contract. This work will be included if Alt Bids 1 or 2 are accepted.*

5. Are there any restrictions to adjusting the height of the containment dikes, at Oakley Sediment Basin, higher than indicated on the plans & specifications?

- *The height of the containment dikes will not be raised above the elevations shown on the plans without permission of the permitting agencies.*

6. Special Condition 2 states, "The permittee shall operate the dredge and disposal facilities such that satisfactory detention is provided to maintain an effluent concentration of 15mg/l for total suspended solids and otherwise comply with the water quality standards."

What happens if background levels in Lake Decatur exceed the water quality standards as stated above?

- *Past permits have stated 15mg/l to be the maximum permitted level for effluent. It is anticipated that the permitting agencies will again require this standard. Background reading results could be helpful in explaining excessive effluent conditions but the Owner cannot guarantee the results of this practice would satisfy the permitting agencies requirements. The Owner does not plan to have dredging operations cease if background levels exceed allowable limits for water quality.*

7. Referring to Sheet #24 – “Basin 6 Dredge Plan” of the Project plans, what is the proposed dredge depth of Basin 6 Sediment Trap?

- *Revised Drawing 24 was issued as part of Addendum 1 on November 8. The Owner desires the trap to be dredged to the contours shown on this drawing. The Owner will supply this digital information to the Contractor as a part of his work.*

a. According to sheet #25 – “Summary of Dredge Material in Lake Decatur Dredging Basin 1-4” of the Project Plans, there is 161 AC-FT (approximately 259,747 CY) of material. The contour maps for Basin 6 Sediment Trap that were sent out in Addendum #1 show that there is approximately 9,130 CY of material above EL. 604.

i. Is the proposed volume in Basin 6 accurately reflected on plan sheet #25?

- *The volume of 161 acre-feet was the original design volume for the Basin 6 dredging project and this volume is shown on Drawings 24 and 25. The actual shape shown on Revised Drawing 24 per Addendum 1 allows for a sediment volume of 183 acre-feet between the bottom of the excavation (approximate elevation 604) and a top elevation of 607.5.*

ii. Can the volume be adjusted to reflect actual available material?

- *The volume to be dredged will most likely be less than the maximum volume of the trap. The Owner will verify the actual volume prior to the Contractor working in Basin 6.*

8. Are any coatings required on the Water Control Structure’s metal pipe shells, sheet piling and/or structural steel?

- *No coatings are required for the metal shell piles, sheet piling, or structural steel. The metal shell piles shall meet Section 512 of the IDOT standard specs, which also points to 1006.05 that states the piling shall meet ASTM A 252 Grades 2 or 3 (also stated on the pile detail plan sheet). The sheet piling shall also meet 1006.05 of the IDOT standard specs, which state it shall be meet AASHTO M 202. Structural Steel shall be according to Section 505 of the IDOT standard specs, and shall be Grade 50 weathering steel as specified in the Design Stresses section of the plans. Weathering steel shall be used as much as possible to minimize maintenance costs to the*

Owner/Contractor. Any coatings on the piling or sheet piling would be damaged during driving, and any post-driving applied coating systems would be done at the discretion of the Contractor at no additional cost to the Owner.

a. If so, what system & thickness?

- ***N. A.***

9. Can the City provide a Crossing Detail for the proposed dredge influent pipe crossing located on Temp Easement 6B? (see Plan Sheet 38)

a. Will a dirt ramp be acceptable?

- ***The method and means to perform this work is the responsibility of the Contractor.***

10. Bid item 25100105 Mulch, Method 1, is paid by the SQ YD.

a. Should this item's unit be Acre?

- ***The unit on the bid tab is incorrectly shown as Sq Yds, it should be Acres. An Addendum will be issued to correct this oversight.***

11. What is the Measurement Method for SP-20, Furnished Excavation (Sediment Basin)?

- ***The method for measurement will be before and after cross sections to measure in place quantity.***

12. Is it the City's intent to remove trees smaller than 6 inches in diameter, brush, canes, and roots from the entire sediment basin or only from areas that the contractor needs to disturb for furnished excavation?

- ***The Owners intent is to remove all vegetation from within the interior of the sediment basin.***

13. IDOT Section 202.03, regarding removal and disposal of organic waste states: "Organic waste originating within the right-of-way limits may be chipped or shredded and placed as mulch around landscape plantings within the right-of-way when approved by the Engineer."

a. Will the City allow the contractor to bury chipped trees and mulch in lifts no greater than 24 inches, that are covered by a minimum 12 inch soil lift, as was noted on the 2002 Basin 6 Construction Plans?

- ***The permitting agencies took exception with this note on the 2002 plans.***

- ***The Contractor's work shall meet the requirements of Section 201 of the SSRBC for clearing and tree removal. The Owner anticipates similar permit conditions to be granted by the permitting agencies as before. The***

conditions for this request are covered under ACOE Item 5 and IEPA Item 3 of the Permit section in the Project Manual. The Contractor is responsible for coordinating the interpretation of these conditions with the permitting agencies.

RFI Number 6

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on Tuesday November 26, 2013

1. Are there any water main cutting/removal methods that will not be allowed?
 - *A cutting/removal method that would not be allowed would be any method that is detrimental to the lake, environment and/or infrastructure.*
2. Water main sections shown on plan sheet 17 & 19 depict the existing main are not covered. Is there any cover over the exiting water main that will need to be excavated? If so, how much cover?
 - *The majority of the existing water main should have very little covered that would have been caused by sedimentation. The main near the shores may have more cover but it is not determined how much.*
3. On the existing water mains, are there any weights or other non-pipe materials that will need to be removed?
 - *The water main does not have any weights, anchors or other non-pipe material to our knowledge.*
4. Can the City provide a detail depicting the transition from the unburied pipe to a below grade installation on shore?
 - *The City does not have a record depicting transition of pipe from lake to shore.*
5. Will silt curtain be required for water main excavation, installation, or removal?
 - *A silt curtain will not be required.*
6. How long will the contractor be allowed to block lake traffic at a time for water main installation and removal?

The Lake traffic can be blocked for extended periods, depending on the time of year. The preference would be to reroute lake traffic around work area.

7. Can the City confirm that the proposed water main will not float or shift after installation, nor require weights or anchors?

- **According to Table No. 10-1B of the American Ductile Iron Pipe Manual Page 10-5, the underwater weight of 16-inch Ductile Iron Flex-Lok Boltless Ball Joint Pipe is 15 lbs per length full of air and 1880 lbs per length full of water.**

Table No. 10-1B

Size in.	Laying Length* ft./in.	Working Pressure** psi	T Wall Thickness*** in.	Weight in Pounds			Underwater Weight Per Length Incl. Joint Materials†	
				Per Pipe Length	Per Length Incl. Joint Materials	Per Foot Incl. Joint Materials	Full of Air lb.	Full of Water lb.
14	20'-6"	250	.51	1760	1880	91.7	193	1815
16	20'-6"	250	.52	2045	2200	107.3	15	1880
18	20'-6"	250	.53††	2425	2610	127.3	-129††	2245
20	20'-6"	250	.54††	2810	3040	148.9	-327††	2610
24	20'-6"	250	.56††	3605	3910	190.7	-669††	3360

*The laying length in the above tables are subject to trim pipe allowance in accordance with AWWA C151. Also, this is the fully formed or inserted laying length of 4"-24" Flex-Lok pipe. In installations where 4"-24" joints are pulled or extended to metal-binding contact of joint locking members, some slight additional laying length will be gained as a function of the removal of joint assembly space. Contact AMERICAN when lengths are critical, or when it is necessary to locate ball joints at specific stations, etc. The joints will seal properly in any axial position from fully formed to fully extended and with any joint deflection angles up to the maximum rating.

**The working pressure is AMERICAN's suggested standard water working pressure. Contact AMERICAN if higher working pressure is involved.

***Thicknesses correspond to Special Class 50. Check AMERICAN if pipe with other wall thickness is required.

†Does not include lining weight. Underwater pipe weights are for fresh water. Sea water is approximately 3% heavier than fresh water, and these weights should be adjusted accordingly for sea water installation.

††When full of air, pipe of this thickness will float unless weight is added. See Table No. 11-1 for cement lining weights. Gross weight, including pipe, gland and lining, is painted on each length of Flex-Lok pipe to aid in field calculations of actual buoyancy.

8. What is the required coating system required for the proposed water mains?

The water main will be furnished with an asphaltic coating on the exterior and with the interior cement lined per AWWA C104.

9. IDOT specification Section 670, Engineer's Field Office, Type A, requires suitable on-site sanitary facilities meeting Federal, State, and local health department requirements.
- a. Will a temporary sanitary sewer holding tank, serviced on a regular interval, fulfill this requirement, or will the contractor be required to install a septic tank system and remove the septic tank upon removal of the engineer's office trailer?

- **A temporary holding tank will meet the requirements for this project. The tank shall be serviced on a regular interval as specified by the supplier to ensure no pollution of the environment occurs. If odor or other factors develop which cause environmental concerns, the holding tank shall be removed and a septic tank system will be installed by the Contractor for the duration of the work at the Oakley Sediment Basin.**

b. Where is the public water service located nearest to the proposed staging area?

- *Drawing 38 shows the location of an 8 inch water main along Sangamon Road. A water service line is currently located on the project site near Station 101+00 along the center of the baffle dike per SP-18 on page 54 of the Project Manual.*

c. Where is the public sanitary sewer service located nearest to the proposed staging area?

- *The residents in this area, including the Village of Oakley utilize septic systems. The closest public service would be near the City of Decatur.*

10. RFI number 5 had a response of, "SP-9 was used for the dredging of Basin 6. The Contractor may submit a recommended mobilization schedule that is both fair to the Contractor and the Owner for consideration."

a. Is it the intent of this statement to have Contractors provide a recommended mobilization schedule prior to the bid date for inclusion of the specifications or will this be negotiated after the bid date & award of the contract with the successful offeror?

- *To maintain a level playing field for the bidding process, the Owner prefers to work with the selected Contractor on any potential revisions for compensation as part of the payment schedule for the Mobilization pay item.*

b. It would be preferred to have a mobilization schedule for payment purposes developed prior to the bid date that is agreeable by the Owner & Contractors.

- *Noted, and due to the time frame remaining in the bidding process the Owner prefers to work with the selected Contractor.*

11. RFI number 5 had a response of, "Past permits have stated 15mg/l to be the maximum permitted level for effluent. It is anticipated that the permitting agencies will again require this standard. Background reading results could be helpful in explaining excessive effluent conditions but the Owner cannot guarantee the results of this practice would satisfy the permitting agencies requirements. The Owner does not plan to have dredging operations cease if background levels exceed allowable limits for water quality."

a. If dredging operations do not cease will this not cause a violation to the permits that are still being acquired?

- *The Owner has not had to cease dredging operations on the past two dredging projects of Basins 5 and 6. If suspended material reaching the lake exceeds the permit level (assumed to be 15 mg/l) the permitting agency may require steps to be taken to keep water quality requirements in accordance with the permit. Should the Contractor not take appropriate steps to correct this situation, the permitting agency could construe this as a violation. The Owner holds the Contractor responsible for working within the constraints of the permits for this project.*

b. Would the contractor be subject to fines & penalties for violating this permit?

- *The Owner holds the Contractor responsible for working within the constraints of the permits for this project. The Owner will be working closely with the Contractor to reduce the likelihood of violations and/or fines being issued, but can not guarantee the methods and means used by the Contractor.*

12. RFI number 5 had the question, “c. With the new bid date, what is the schedule for award?” & answer of “The award typically occurs within 30 days of the bid opening, but will not be made until permits are secured for the project and the City Council approves the contract. The Owner has reserved 120 days to hold the bids.”

a. Would the Owner consider postponing the bid date to a date that corresponds with the permits being secured?

- *The Owner still believes the permits for the project will be gained prior to the end of 2013. This time frame should have no impact on the bids. The Owner is willing to move the bid date to December 13, 2013 at 2pm. No further extensions will be granted.*

b. Will Contractors be allowed to change their pricing if significant changes result from the permits once they are secured?

- *This will be the 3rd dredging project on Lake Decatur. Prior permits have had similar conditions attached to them. We anticipate similar conditions for this project. The last approved permits are included in the Project Manual for your use. Should significant differences occur with the new permits in regards to work to be performed by the Contractor, a request for Change Order will be considered.*

RFI Number 7

Lake Decatur Dredging of Basins 1-4 & Rehabilitation of Oakley Sediment Basin
City Project No.: W1314

The following is a response to questions received on Tuesday November 26, 2013

1. On Sheets 41 and 45 of the Drawings, there is a note that says "For details see sheet 9 of 10." Where are these detail sheets?
 - *The structural sheet numbers referred to in the note are located below the sheet name in the sheet border. The overall sheet numbers would be sheets 49 and 50 of 142.*
2. The Typical Perimeter Dike Section detail on Sheet 26 shows the interior slope of the dike to be 2:1. The Cross Sections show the interior slope to be 3:1. Please clarify.
 - *The cross sections are correct. The Typical section on Sheet 26 should be 3:1.*
3. Can the wall of the water control structures be poured full width all the way to the top and eliminate the haunch detail?
 - *The back wall may be poured 2' thick for the entire height of the structure to avoid the haunch detail.*
4. Are the quantities for the revised access roads and ramps included in bid item 20400800-Furnished Excavation?
 - *The embankment for the access roads and ramps is included in 20400800 Furnished Excavation. The other quantities for pavement construction are shown in the Road and Ramp Schedule on Drawing 5.*
5. In the Oakley Sedimentation Basin what criteria is used to determine if the soil is suitable or unsuitable? Is there a specification? We have been told all the material to raise the berms is in the basin. Where is the material and what determines if it is suitable?
 - *Suitable material for embankment is outlined in Section 205 Embankment of the SSRBC with appropriate references to Article 202.03 of the SSRBC. The material to be used for embankment is within the interior of the sediment basin. Similar material was used on a previous project to raise the berms by approximately 5 feet.*

- *The geotechnical report contains boring information on materials within specific areas of the interior of the basin.*
6. Can the topsoil stripped from the interior of the Oakley Sedimentation Basin be used on the proposed new slopes without any processing?
- *Material for embankment must meet the requirements of Section 205 Embankment of the SSRBC.*
 - *Topsoil, of a 4-6 inch nominal thickness, to be used for establishing vegetation on slopes can be placed and will not need to meet embankment specifications for density.*
7. The only clearing bid item is for Tree Removal (6 to 15 units Diameter). The majority of the clearing at the Oakley Sedimentation Basin are trees under 6". What bid item should this clearing be put into, that is equitable to both the Owner and Contractor? Possibly an additional bid item in acres?
- *Clearing, including trees less than 6 inches in diameter is not measured for payment per Section 201 Earthwork in the SSRBC. Typically, clearing is incidental to earthwork.*
8. Where is the Earth Excavation that is covered in bid item 20200100 EARTH EXCAVATION 3,614 CU YD ?
- *This work is on the north, south and west outside areas of the berms. The quantity breakout is on Drawing 4. The excavation is shown on the cross sections.*