



AGENDA ITEM: J1H

**CITY OF WAUKEE, IOWA  
CITY COUNCIL MEETING COMMUNICATION**

**MEETING DATE:** August 21, 2017

**AGENDA ITEM:** Consideration of approval of a resolution approving purchase of pedestrian bridge and express precast abutments from Contech Engineered Solutions, LLC, of Shakopee, MN, in the amount of \$28,950.00 [Windfield-High School Trail Phase 1 Project]

**FORMAT:** Resolution

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**SYNOPSIS INCLUDING PRO & CON:** The purchase of a prefabricated pedestrian bridge and precast abutments is necessary to complete the Windfield-High School Trail Phase 1 project. Typically, the purchase of the bridge and abutments are a bid item in the project construction documents however due to having the construction of the bridge completed yet this year. With the City ordering the bridge and abutments ahead of the project bid date of August 29<sup>th</sup>, this will expedite the lead time for bridge manufacturing and delivery, which is between 6-12 weeks.

**FISCAL IMPACT INCLUDING COST/BENEFIT ANALYSIS:** \$28,950.00


**COMMISSION/BOARD/COMMITTEE COMMENT:**

**STAFF REVIEW AND COMMENT:**

**RECOMMENDATION:** Approve the resolution.

**ATTACHMENTS:** I. Letter of Intent to Purchase

**PREPARED BY:** Beth Richardson/Rudy Koester

**REVIEWED BY:** John Gibson 

RSK

**PUBLIC NOTICE INFORMATION –**

**NAME OF PUBLICATION:**

**DATE OF PUBLICATION:**

THE CITY OF WAUKEE, IOWA

RESOLUTION 17-

**APPROVING PURCHASE OF PEDESTRIAN BRIDGE AND EXPRESS  
PRECAST ABUTMENTS FROM CONTECH ENGINEERED SOLUTIONS, LLC,  
OF SHAKOPEE, MN, IN THE AMOUNT OF \$28,950.00  
[WINDFIELD-HIGH SCHOOL TRAIL PHASE 1 PROJECT]**

*IN THE NAME AND BY THE AUTHORITY OF THE CITY OF WAUKEE, IOWA*

**WHEREAS**, the City of Waukee, Iowa is a duly organized municipality within Dallas County; **AND**,

**WHEREAS**, the City of Waukee Public Works Department recommends the purchase of pedestrian bridge and express precast abutments from Contech Engineered Solutions, LLC, of Shakopee, MN, in the amount of \$28,950.00 for the Windfield-High School Trail Phase 1 Project.

**NOW THEREFORE BE IT RESOLVED** by the City of Waukee City Council in session this 21<sup>st</sup> day of August, 2017, that it hereby approves purchase of a pedestrian bridge and express precast abutments from Contech Engineered Solutions, LLC, of Shakopee, MN, in the amount of \$28,950.00 [Windfield-High School Trail Phase 1 Project].

\_\_\_\_\_  
William F. Peard, Mayor

Attest:

\_\_\_\_\_  
Rebecca D. Schuett, City Clerk

<b>ROLL CALL VOTE</b>	<b>AYE</b>	<b>NAY</b>	<b>ABSENT</b>	<b>ABSTAIN</b>
Anna Bergman				
R. Charles Bottenberg				
Brian Harrison				
Shelly Hughes				
Larry R. Lyon				

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**PROPOSAL FOR ENGINEERING SERVICES  
LETTER OF INTENT TO PURCHASE**

To: Snyder & Associates  
Attention: Tyler Jensen  
Project Engineer

Date: 8-11-17  
Project: Winfield-High School Trail  
Location: Waukee, IA

CONTECH is pleased to provide the following engineering services proposal for the PEDESTRIAN BRIDGE AND EXPRESS PRECAST ABUTMENTS for the above referenced project. This proposal, if accepted by The City of Waukee within thirty (30) days from the date hereof, shall constitute a binding contract. CONTECH is prepared to start on this request upon receipt of the signed proposal.

DESCRIPTION OF PEDESTRIAN BRIDGE AND EXPRESS PRECAST ABUTMENTS:

The material cost for the PEDESTRIAN BRIDGE AND EXPRESS PRECAST ABUTMENTS is estimated to be approximately \$28,950. This includes:

- One (1) 30' span x 10' wide Continental "Express" pedestrian bridge (aisc design)
- Weathering Steel finish
- Capacity to handle 8,000 lb vehicle load
- Concrete deck (reinforcement and concrete provided by others, Contech will provide design & stay in place form pans)
- ¼" x 6" steel toe & cover plates
- Horizontal safety rail
- Two (2) precast "Express" abutments – 13.5' wide x 4' thick x 4' tall (require a total of approx. 8.8 cy of field poured concrete, including abutment backwalls). Abutments are based on 3,000 psf net allowable soil bearing capacity. All abutment steel provided by Contech. "Fixed end" anchor bolts will be affixed to one Express Abutment. Contractor will be responsible for placing the four anchor bolts on the "free end" abutment. Each Express Abutment will weigh approximately 8.3 tons.

This material estimate is preliminary and may change upon further refinement of the design. Estimate includes delivery to jobsite.

*A separate contract with Terms and Conditions for the PEDESTRIAN BRIDGE AND EXPRESS PRECAST ABUTMENTS will be provided after the approval of the design documents.*

DESCRIPTION OF ENGINEERING SERVICES:

CONTECH proposes to provide The City of Waukee the following engineering services signed and sealed by a Professional Engineer registered in the State of Iowa.

- Prepare Engineering Calculations and details for the PEDESTRIAN BRIDGE & EXPRESS PRECAST ABUTMENTS, assuming an allowable bearing capacity of 3,000 psf.
- Prepare PEDESTRIAN BRIDGE & EXPRESS PRECAST ABUTMENT Shop Drawings

*The engineering services provided under this contract are only applicable to the CONTECH product described above. Use of any other structure with this design and drawings voids any certification of this design and warranty. CONTECH assumes no liability for design of any alternate or similar type structures.*

Please note that a site plan including proposed grades, roadway alignment, bridge location, and profile sections along with a geotechnical report specific to the project bridge is highly recommended prior to the start of design. Scour/Frost depth, design, and countermeasures by others. If in-situ soil strength is less than 3,000 psf, soil modification (aggregate, geogrid, etc.) will be required...design by others.

The Engineering Services described are included in the price of the PEDESTRIAN BRIDGE AND PRECAST ABUTMENTS if purchased. Should CONTECH do the full design and not receive a contract for purchase of this or an equivalent CONTECH product by June 2017, then The City of Waukee is responsible for payment of the engineering design fee totaling \$5,000.

ACCEPTED this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,

subject to all terms and conditions contained herein.

BUYER: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

BUYER's PO No.

Respectfully submitted,



JAKE VOGEL  
SENIOR BRIDGE CONSULTANT

cc: DENNIS BREVER

\*Expected Delivery Date for Engineering Services: August, 2017

*\*Date based on receipt of all information listed above 3 weeks prior. Delivery date extension due to missing information or unforeseen changes will be mutually agreed to.*