

WOODBURY COUNTY BOARD OF SUPERVISORS AGENDA ITEM(S) REQUEST FORM

#12b

Date: 2/1/2018 Weekly Agenda Date: 2/6/2018

ELECTED OFFICIAL / DEPARTMENT HEAD / CITIZEN: Mark J. Nahra, County Engineer

WORDING FOR AGENDA ITEM:

Consider award of bids for project number L-B(L77)--73-97 and L-B(L78)--73-97

ACTION REQUIRED:

Approve Ordinance

Approve Resolution

Approve Motion

Public Hearing

Other: Informational

Attachments

EXECUTIVE SUMMARY:

Bids were received for construction of two new Reinforced Concrete Box culverts to replace existing bridges L77 and L78 on 200th Street south of Cushing. An award recommendation is being presented.

BACKGROUND:

The county programmed bridge L77 and L78 for replacement in fiscal year 2018. The existing bridges are structurally deficient and functionally obsolete and has a restricted load posting. The bids came in above engineers estimate. We reviewed recent bids on other projects and compared the cost of precast structures instead of cast in place options.

FINANCIAL IMPACT:

This bridge is paid for with the \$1.3 million special project levy funds.

IF THERE IS A CONTRACT INVOLVED IN THE AGENDA ITEM, HAS THE CONTRACT BEEN SUBMITTED AT LEAST ONE WEEK PRIOR AND ANSWERED WITH A REVIEW BY THE COUNTY ATTORNEY'S OFFICE?

Yes No

RECOMMENDATION:

I recommend that the Board award the contract for project number L-B(L77)--73-97 and L-B(L78)--73-97 to Dixon Construction.

ACTION REQUIRED / PROPOSED MOTION:

Motion to award the contract for project number L-B(L77)--73-97 and L-B(L78)--73-97 to Dixon Construction for \$447,865.38.

NOTE: IN CASE OF MATHEMATICAL ERROR, UNIT PRICE SHALL GOVERN

| | | ** Engineer's Estimate ** L-B(L77)-73-97 | | | | * Dixon Construction * Correctionville, IA | | | | |
|---|-------------------------------------|---|--------------|--------------|----------------------|---|------------|--------|------------|--------|
| ITEM NO. | ITEM | QUANTITIES | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT |
| 1 | Clearing and Grubbing | 0.12 Acre | \$ 12,000.00 | \$ 1,440.00 | \$ 25,000.00 | \$ 3,000.00 | \$ - | \$ - | \$ - | \$ - |
| 2 | Excavation Class 10 Rdwy and Borrow | 221 CY | \$ 18.00 | \$ 3,978.00 | \$ 21.00 | \$ 4,641.00 | \$ - | \$ - | \$ - | \$ - |
| 3 | Excavation Class 10 Channel | 359 CY | \$ 10.00 | \$ 3,590.00 | \$ 10.00 | \$ 3,590.00 | \$ - | \$ - | \$ - | \$ - |
| 4 | Granular Surface, Road Crushed Conc | 90 Ton | \$ 48.00 | \$ 4,320.00 | \$ 43.00 | \$ 3,870.00 | \$ - | \$ - | \$ - | \$ - |
| 5 | Removal of Existing Bridge | 1 LS | \$ 25,000.00 | \$ 25,000.00 | \$ 25,000.00 | \$ 25,000.00 | \$ - | \$ - | \$ - | \$ - |
| 6 | Granular Backfill | 80 CY | \$ 42.00 | \$ 3,360.00 | \$ 90.00 | \$ 7,200.00 | \$ - | \$ - | \$ - | \$ - |
| 7 | Excavation Class 20 | 897 CY | \$ 16.00 | \$ 14,352.00 | \$ 20.00 | \$ 17,940.00 | \$ - | \$ - | \$ - | \$ - |
| 8 | Structural Concrete (RCB Culvert) | 151.5 CY | \$ 420.00 | \$ 63,630.00 | \$ 500.00 | \$ 75,750.00 | \$ - | \$ - | \$ - | \$ - |
| 9 | Reinforcing Steel | 22940 LB | \$ 1.05 | \$ 24,087.00 | \$ 1.17 | \$ 26,839.80 | \$ - | \$ - | \$ - | \$ - |
| 10 | Revetment Class E | 92 Ton | \$ 60.00 | \$ 5,520.00 | \$ 57.00 | \$ 5,244.00 | \$ - | \$ - | \$ - | \$ - |
| 11 | Temporary Stream Diversion | 1 Each | \$ 8,000.00 | \$ 8,000.00 | \$ 4,000.00 | \$ 4,000.00 | \$ - | \$ - | \$ - | \$ - |
| 12 | Safety Closure | 2 Each | \$ 300.00 | \$ 600.00 | \$ 300.00 | \$ 600.00 | \$ - | \$ - | \$ - | \$ - |
| 13 | Fence, Field | 129 LF | \$ 20.00 | \$ 2,580.00 | \$ 23.00 | \$ 2,967.00 | \$ - | \$ - | \$ - | \$ - |
| 14 | Traffic Control | 1 LS | \$ 3,000.00 | \$ 3,000.00 | \$ 5,000.00 | \$ 5,000.00 | \$ - | \$ - | \$ - | \$ - |
| 15 | Mobilization | 1 LS | \$ 15,000.00 | \$ 15,000.00 | \$ 35,000.00 | \$ 35,000.00 | \$ - | \$ - | \$ - | \$ - |
| 16 | Mulching | 0.12 Acre | \$ 5,000.00 | \$ 600.00 | \$ 7,000.00 | \$ 840.00 | \$ - | \$ - | \$ - | \$ - |
| 17 | Seeding and Fertilizing (Rural) | 0.12 Acre | \$ 5,000.00 | \$ 600.00 | \$ 7,000.00 | \$ 840.00 | \$ - | \$ - | \$ - | \$ - |
| | | | | TOTAL | \$ 179,657.00 | \$ 222,321.80 | | | | |
| Engineer's Estimate L-B(L78)-73-97 | | | | | | | | | | |
| ITEM NO. | ITEM | QUANTITIES | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT | UNIT PRICE | AMOUNT |
| 1 | Clearing and Grubbing | 0.1 Acre | \$ 12,000.00 | \$ 1,200.00 | \$ 17,000.00 | \$ 1,700.00 | \$ - | \$ - | \$ - | \$ - |
| 2 | Excavation Class 10 Rdwy and Borrow | 356 CY | \$ 18.00 | \$ 6,408.00 | \$ 21.00 | \$ 7,476.00 | \$ - | \$ - | \$ - | \$ - |
| 3 | Excavation Class 10 Channel | 193 CY | \$ 10.00 | \$ 1,930.00 | \$ 10.00 | \$ 1,930.00 | \$ - | \$ - | \$ - | \$ - |
| 4 | Granular Surface, Road Crushed Conc | 72 Ton | \$ 48.00 | \$ 3,456.00 | \$ 43.00 | \$ 3,096.00 | \$ - | \$ - | \$ - | \$ - |
| 5 | Removal of Existing Bridge | 1 LS | \$ 25,000.00 | \$ 25,000.00 | \$ 25,000.00 | \$ 25,000.00 | \$ - | \$ - | \$ - | \$ - |
| 6 | Granular Backfill | 86 CY | \$ 42.00 | \$ 3,612.00 | \$ 90.00 | \$ 7,740.00 | \$ - | \$ - | \$ - | \$ - |
| 7 | Excavation Class 20 | 576 CY | \$ 16.00 | \$ 9,216.00 | \$ 20.00 | \$ 11,520.00 | \$ - | \$ - | \$ - | \$ - |
| 8 | Structural Concrete (RCB Culvert) | 170.5 CY | \$ 420.00 | \$ 71,610.00 | \$ 500.00 | \$ 85,250.00 | \$ - | \$ - | \$ - | \$ - |
| 9 | Reinforcing Steel | 25574 LB | \$ 1.05 | \$ 26,852.70 | \$ 1.17 | \$ 29,921.58 | \$ - | \$ - | \$ - | \$ - |
| 10 | Temporary Stream Diversion | 1 Each | \$ 8,000.00 | \$ 8,000.00 | \$ 4,000.00 | \$ 4,000.00 | \$ - | \$ - | \$ - | \$ - |
| 11 | Safety Closure | 2 Each | \$ 300.00 | \$ 600.00 | \$ 300.00 | \$ 600.00 | \$ - | \$ - | \$ - | \$ - |
| 12 | Fence Field | 170 LF | \$ 20.00 | \$ 3,400.00 | \$ 23.00 | \$ 3,910.00 | \$ - | \$ - | \$ - | \$ - |
| 13 | Traffic Control | 1 LS | \$ 2,000.00 | \$ 3,000.00 | \$ 5,000.00 | \$ 5,000.00 | \$ - | \$ - | \$ - | \$ - |
| 14 | Mobilization | 1 LS | \$ 15,000.00 | \$ 15,000.00 | \$ 37,000.00 | \$ 37,000.00 | \$ - | \$ - | \$ - | \$ - |
| 15 | Mulching | 0.1 Acre | \$ 5,000.00 | \$ 500.00 | \$ 7,000.00 | \$ 700.00 | \$ - | \$ - | \$ - | \$ - |
| 16 | Seeding and Fertilizing (Rural) | 0.1 Acre | \$ 5,000.00 | \$ 500.00 | \$ 7,000.00 | \$ 700.00 | \$ - | \$ - | \$ - | \$ - |
| | | | | TOTAL | \$ 180,284.70 | \$ 225,543.58 | | | | |

Combined Bid Results
 Dixon Const \$ 447,865.38
 Engineer's Est. \$ 359,941.70