

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

#11c

Date: 1/24/2019 Weekly Agenda Date: 1/29/2019

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

**WORDING FOR AGENDA ITEM:**

Consider approval of plans for project number L-C(D156)--73-97

**ACTION REQUIRED:**

- Approve Ordinance       Approve Resolution       Approve Motion   
Public Hearing       Other: Informational       Attachments

**EXECUTIVE SUMMARY:**

Plans have been completed for replacement of bridge D156 with a reinforced concrete box culvert. We request approval of the plans for letting.

**BACKGROUND:**

The county has programmed the replacement of bridge D156 on Franklin Avenue north of Old Highway 20 for FY 2019. The existing bridge will be replaced with a reinforced concrete box culvert.

**FINANCIAL IMPACT:**

The projects are paid for with local secondary road 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 approve the plans for project number L-C(D156)--73-97.

**ACTION REQUIRED / PROPOSED MOTION:**

Motion to approve the plans for project number L-C(D156)--73-97.

Project Number: L-C(D156)--73-97

**IOWA**  
**DEPARTMENT OF TRANSPORTATION**  
 Highway Division  
 PLANS OF PROPOSED IMPROVEMENT ON THE  
**SECONDARY ROAD SYSTEM**  
**WOODBURY COUNTY**  
**RCB CULVERT NEW**  
**PROJECT NO. L-C(D156)--73-97**

The Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, series of 2015, plus current Supplemental Specifications and Special Provisions shall apply to construction work on this project.

Plus Current Special Provisions and Supplemental Specifications

BRIDGE D156 REPLACEMENT  
 On K57, Over CREEK, from 150th St N  
 0.4 Miles to 140th St  
 S26--T89--R45  
 CONSTRUCT RCB CULVERT

TRAFFIC CONTROL PLAN

THIS ROAD WILL BE CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION. TRAFFIC ROUTES ADJACENT TO PROPERTIES WILL BE MAINTAINED AS PROVIDED FOR IN ARTICLE 1107.08 OF THE CURRENT STANDARD SPECIFICATIONS. TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE DEPARTMENT PER 781 OF THE IOWA ADMINISTRATION CODE (IAC) CHAPTER 130.

MAINTENANCE OF SIGNS AND BARRICADES AS STATED IN ARTICLE 1107.09 SHALL APPLY ON THIS PROJECT.

SIGNING ON THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH ROAD STANDARD TC-252

<b>INDEX OF SHEETS</b>	
No.	Description
1	TITLE SHEET
2	LOCATION PLAN
3	ESTIMATE OF QUANTITIES
4	GENERAL NOTES
5	SITUATION PLAN
6	PLAN AND PROFILE

<b>ROAD STANDARD PLANS</b>					
The following Standard Plans shall be considered applicable to construction work on this project.					
Identification	Date	Identification	Date	Identification	Date
EW-101	10-20-15				
EW-401	10-20-15				
EW-402	10-20-15				
Mi-103	10-20-15				
TC-252	04-19-16				

<b>RCB STANDARD PLANS</b>					
(May be obtained at Woodbury County Engineer Office)					
Standard	Date Issued	Date Revised	Standard	Date Issued	Date Revised
RCB G1-12	APRIL, 2012	01-16	FWH 45-4-87	MAY, 1987	04-06
RCB G2-12	APRIL, 2012	03-16	FWH 45-5-87	MAY, 1987	04-06
RCB 10-8-12	APRIL, 2012		FWH 45-6-87	MAY, 1987	04-06
FWH 45-1-87	MAY, 1987	04-06			
FWH 45-2-87	MAY, 1987	04-06			
FWH 45-3-87	MAY, 1987	04-06			

NEW RCB CULVERT  
 PROJECT NO: L-C(D156)--73-97

**WOODBURY COUNTY**  
 Letting Date FEBRUARY 26, 2019

Approved	
Board of Supervisors	

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.	
	Date
	Iowa Registration Number 11452 Expiration Date 12/31/2020
	Pages or sheets covered by this seal: Pages 1 - 6

2015 AADT 70 V.P.D.





# Woodbury County Secondary Roads Department

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To: Board Members

From: Mark Nahra, County Engineer

Date: January 23, 2019

RE: Weekly Work Report

## **Construction Project Report**

### **To be let:**

**FM-CO97(136)—55-97**, D38 HMA resurfacing project between Bronson and the Merville Blacktop. Letting date: July, 2019. Late start date: to be determined. The project involves cold in place recycling of existing pavement followed by an overlay of the pavement with new hot mix asphalt pavement. The project letting has been delayed as we have reached the allowable three-year borrow ahead restriction of our farm to market fund. We now have to wait until we have accrued an adequate fund balance to let more project work to contract. We hope fund levels will allow the work to be done in 2019.

**FM-C)97(137)—55-97**, K49 HMA resurfacing project between Plymouth County line and county route D12. Letting date: February 19, 2019. Late start date: to be determined. This project is being done in coordination with a Plymouth County project on the same county route. The project involves cold in place recycling of the existing pavement followed by an overlay of high performance asphalt surfacing. The high-performance surface provides a thinner overlay on top of the recycled pavement than standard hot mix asphalt. This is Woodbury County's first project using this material. Work will be done in 2019.

### **Under Contract:**

**L-B(U51)—73-97**, 320<sup>th</sup> Street Bridge replacement. Letting date: October 30, 2018. Late start date: April 15, 2019. Contractor: Graves Construction, Spencer, IA. Contract price: \$475,343.66. Working days: 65. This bridge has been closed since 2014 due to a failed substructure piling.

The project allows winter work at the contractor's option. The contractor has moved on site and removed the old bridge. Cofferdams being built for east pier pile driving. Pile driving should start next week.

**BROS-CO97(133)—55-97**, Hancock Avenue Bridge replacement. Letting date: October 16, 2018 (IDOT Letting) Late start date: June 17, 2019. Working days: 85. Contractor: Dixon Construction. Bid Price: \$567,393.30. This project replaces an aging truss bridge on Hancock Avenue near the 200<sup>th</sup> Street intersection. The current bridge is posted 3 tons.

The project contract has been signed and approved by Iowa DOT. After the contractor requests a preconstruction meeting, we will know when the start date for construction will be. The project schedule allows winter work that may allow the bridge project to be completed earlier in 2019.

**STP-S-CO97(134)—55-97**, D50 PCC Resurfacing near Oto. Letting date: April 17, 2018. Late start date: July 23, 2018. Working days: 60. Contractor: Cedar Valley Corporation, Waterloo, IA. Contract price: \$2,354,844.71.

All mainline paving is complete, including bridge approaches on the Little Sioux River bridge. New guardrail is installed on the bridge and bridge approaches. The project is open to traffic as of Thursday, November 29. Remaining work includes paving intersection fillets and completing edge line pavement markings. Work on the project is suspended until spring.

**BROS-CO97(132)—55-97**, 150<sup>th</sup> Street Bridge replacement near Lawton. Letting date: June 19, 2018 (IDOT Letting). Late start date: May 1, 2019. Working days: 105. Contractor: Dixon Construction, Correctionville, IA. Contract price: \$1,019,550.42. This project replaced an aging truss bridge on 150<sup>th</sup> Street (Old Highway 20) north of Lawton.

The bridge removal is complete, channel excavation for the new bridge opening is complete, and all piling are driven for the piers and the west abutment. East abutment piling should be driven next week. Work will continue as weather allows through the winter.

**L-B(J9)—73-97**, County Bridge J9 is on 170<sup>th</sup> Street between Jasper and Jewell Avenues. Letting date: August 21, 2018. Late start date: April 15, 2019. Contractor: Dixon Construction, Correctionville, IA. Contract price: \$544,821.40. This bridge was one of the flood damaged structures from the June 18, 2016 storm event. The bridge has been closed to traffic since it was damaged in the flood.

The contractor replaced county road closed signs with new traffic control. Removal of the old bridge is complete, channel shaping under the bridge opening is done and riprap has been placed within the bridge opening area. Abutment piling have been driven and when weather permits, concrete will be poured on the two abutments. Work will continue through the winter as weather allows.

### **Work Under Design:**

Design work is underway on the following projects for letting in 2019.

- 1) 250<sup>th</sup> Street Grading Project - 2.25-mile grade for paving project south of Anthon. Right of way will be necessary to allow construction of this road. Final design is complete. Plats for right of way acquisition are complete and acquisition has started. We delayed right of way negotiations in cooperation with landowners while they were busy with fall harvest, but have now resumed that process. We are working toward an early 2019 letting. This project is funded with the \$1.3 million per year special project levy funds.
- 2) Bridge D156 – This structure is on Franklin Avenue north of Old Highway 20/150<sup>th</sup> Street. The current structure is posted 8 tons. The existing structure is significantly oversized hydraulically and built from salvaged materials. The replacement structure is proposed to be a large culvert. This project is funded with money received in the local budget from the new \$0.10 state fuel tax. The project is scheduled for 2019 construction.
- 3) Haskell Avenue Bridge C-160 - Design work and permitting are complete on the Haskell Avenue Bridge. The new bridge will be a single span 100' x 30.5' pretensioned, prestressed concrete beam bridge. Final plans are finished and we are anticipating a March 2019 letting.

4) Gravel Production - Gravel crushing is complete at the Railroad pit. Production is suspended at the Briese pit and will resume when weather conditions allow.

5) The Mason Avenue bridge was severely damaged by flooding on the Little Sioux River in July 2018. The bridge has been closed to traffic due to damage caused by the bridge being struck by a large tree. The county engineer's office was notified that FEMA has determined that the damage is eligible for repair/replacement assistance. The county road department has filed required documentation requesting assistance from FEMA with eligible costs and has started work on design of a new bridge at this location. We expect that work to be completed in 2020 at this time.