

IOWA DEPARTMENT OF TRANSPORTATION

TO OFFICE: District 3 Office	DATE: January 3, 2019
ATTENTION: Shane Tymkowicz	REF. : Clay County
	PROJ. No.: NHSN-018-2(124)--2R-21 NHSN-018-2(125)--2R-21 (ROW)
FROM: Mark Wright	PIN: 19-21-018-010
OFFICE: District 3 Design	PW: 2101801019
SUBJECT: FINAL Project Concept Statement	

This project involves replacing four 48 in. CMP entrance culverts with a Twin 12' x 4' RCB culvert. The project location is 0.2 miles east of the S. Jct. US 71 on the south side of US 18 (11th St. SE) between 2nd Ave. SE and 5th Ave. SE at Station 29+20 Rt. (US 18 MP 81.88).

Drainage issues on US 18 includes standing water in the right ditch and stormwater overtopping US 18 in 2011 and 2013. Heavy rains in the Summer of 2018 washed soil away from the pipe's length causing the pipe to float, filling the ditch and bringing the issue to the forefront again. Subsequent inspection of the metal pipe's flowline showed corrosion and longitudinal tearing for the pipe's length.

To relieve this condition, the pipes will be replaced with a Twin 12' x 4' RCB culvert and the ditch bottom widened to 25 ft. to double the ditch capacity. The new ditch may require occasional maintenance or cleaning.

Additional permanent right of way will be needed. Based on maintaining the existing foreslope and constructing a 3:1 backslope, an additional 60 feet of permanent right of way will need to be acquired.

Project elements include:

Twin 12' x 4' RCB culvert	\$169,000
Revetment; 59 tons @ \$55 / ton	3,000
Removals	4,000
Ditch widening	88,000
Grading / shaping at culvert and entrance	20,000
Erosion Control	30,000
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Subtotal	\$314,000
Right of Way	50,000
Traffic control – 5%	15,700
Mobilization – 10%	31,400
M & C – 20%	62,800
	=====
TOTAL:	\$473,900

The entrance serves a series of storage units. It will be necessary to close the entrance to excavate for the new culvert. Upon culvert completion, the entrance shall be restored to its original condition.

The Office of Location and Environment has reviewed this project and based on preliminary desktop observations has determined that acquiring permits for wetlands will not be necessary. Depending on the amount of new right of way needed, a cultural resources survey may be needed. Clearing and grubbing will be needed in the newly acquired right of way.

Thru traffic will be maintained on the project at all times using standard traffic control standards and bid items.

No bike path or sidewalk will be required for this project. No railroads will be impacted by the project.

Utilities who responded to a One-Call Notice are listed in Attachment A.

This project is proposed for letting on February 18, 2020.

Total estimated cost of this project is \$458,000. Design will be by the Office of Bridge and Structures and the Office of Design.

mw:MLW

cc: J. R. Selmer	M. J. Kennerly	K. D. Nicholson
T. L. Nicholson	W. Musgrove	R.A Younie
S. K. Godbold	G. A. Novey	S. D. Neubauer
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D. E. Sprengeler	D. L. Maifield	V. Brewer
S. S. Nielsen	S. P. Anderson	D. D. Matulac
D. L. Newell	B. D. Hofer	T. D. Hanson
D. A. Popp	B. Dolan	B. E. Carlson
S. Megivern	K. Brink	D. J. Mulholland
B. Azeltine	M. Carlson	M. K. Solberg
T. Lazarowicz	J. Jepsen	D. Bishop
T. Huju	J. Klemme	D. Schultz
R. Wortman	D. Williams	R. Seward

Mark White, City of Spencer Public Works

County: Clay
PIN: 19-21-018-010
Project Number: NHSN-018-2(124)--2R-21
Location: 0.3 mi E of E Jct. US 71 in Spencer
Type of Work: RCB Culvert Replacement - Single Box
Project Directory: 2101801019



PROJECT LIMITS

Attachment A

(CTLIA01) CENTURYLINK

Contact Name: Tom Sturmer

Contact Phone: 7205788090

Contact Email: Thomas.strumer@centurylink.com

(INS) AUREON NETWORK SERVICES

Contact Name: Jeff Klocko

Contact Phone: 5158300445

Contact Email: jeff@netins.com

(PN5) BLACK HILLS ENERGY SPENCER

Contact Name: Jason Nock

Contact Phone: 7122622878

Contact Email: Jason.Nock@blackhillscorp.com

(SMS) SPENCER MUNICIPAL UTILITIES

Contact Name: SMU Operator

Contact Phone: 7125805833

Contact Email: operator@smunet.net

(SPC) SPENCER, CITY OF

Contact Name: Craig Poulsen

Contact Phone: 7125807200

Contact Email: cpoulsen@spenceriowacity.com

(TR3) MEDIACOM LLC

Contact Name: Jeff Anfinson

Contact Phone: 7123305198

Contact Email: janfinson@mediacomcc.com