

**Attachment # 1**

**Project No.:** 32-105 KA-3079-01  
 Josh Miller [GBA]/Chris Meyer

**Description:** WB K-32 over Kaw Dr. and UPRR  
**Date:** 10/7/15

**Prepared By:**

FEATURE	EXISTING BRIDGE	NEW BRIDGE
Bridge Number	32-105-11.25 (104)	32-105-11.25(358)
Station	150+06.93	150+24.78
Structure Type	RBGC	PBMC
Spans	46'-59'-46'-3@57'-46'	123'-103'-128'-68'
Bridge Length	371.6	425.46'
Rdwy. Width/Skew / Hor. Curve	28'/ 30° / None	50' /29°59' /None
Design Method / Design Loading	WSD / H20-S16-44	LRFD – 7th Ed. / HL-93
AADT (Yr.) / % Trucks	17,800 (2019) / 8% Trucks	21,800 (2039) / 8% Trucks
Vertical Clearance/Horiz. Clearance	17.5' / 40'	17.42'/28.35'(Kaw Dr) 23.88'/39.52' (Railroad)
Posting/Restrictions	N/A tons	NA
Deck Protection	NA	Epoxy Rebar w/3" Cover
Bridge Rail Type	F-Shape	32" F-Shape
Approach Pavement	Concrete App	Concrete / 33' Approach Slabs
Utilities/Attachments	8 gas - 2 telephone - Overhead Pwr. / NA	8 gas - 2 telephone - Overhead Pwr. / NA
Slope Protection	Rip Rap	Aggregate 6"

**EXISTING BRIDGE: Last Inspection Date: 6/24/2015**

RATING/INDEX	VALUE	CONDITION RATING		COMMENT
Sufficiency Rating	79	Deck	7	Long & T cracks
		Superstructure	6	Patches and long T cracks w/ staining...shear cracks at abuts...flex cracks
Bridge Health Index	90.2	Substructure	6	Rip rap buckling, spalls, scaling and horiz cracking in A1...A2 horiz cracking w/ effl
HISTORY	COMMENT	FEATURE	COMMENT	
Year Built	1959			
Modified	2001 Deck Resurface			

CONSTRUCTION	FALSEWORK	ERECTION	DEMOLITION
Category	1	C	C

**TEMPORARY EROSION CONTROL; GEOTEXTILE (EROSION CONTROL)**

Abutment #1 (Berm/Slope)	280	Sq. Yds.
Abutment #2 (Falsework)	360	Sq. Yds.

**Bridge No. 32-105-11.25(358)**

**SCOPE:** New Construction (replace existing)

**Best Let Date:** June 2018

**Estimated Bridge Removal Cost** – \$ 270,000 (Not included in Construction Cost)(2019)

883 Est. Structure Constr. Cost	\$ 5,350,923(2019)	Fld. Check Est. Structure Constr. Cost	\$ 3,325,000(2019)
---------------------------------	--------------------	--	--------------------

**Comments**

- Existing bridge removal requires large sections of bridge to be removed over railroad
- Beams are splayed in span 1 with varying structure width
- The Field Check plans with comments are to be considered part of this report.

Example