



# Public Notice

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U.S. Army Corps  
of Engineers  
Tulsa District

Reply To:

U.S. Army Corps of Engineers  
ATTN: Regulatory Office  
2488 East 81<sup>st</sup> Street  
Tulsa, Oklahoma 74137-4290

SWT-2018-664  
Public Notice No.

February 4, 2019  
Public Notice Date

March 5, 2019  
Expiration Date

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## **PURPOSE**

The purpose of this public notice is to inform you of a proposal for work in which you might be interested and to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest.

## **SECTION 10**

The U.S. Army Corps of Engineers is directed by Congress through Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) to regulate all work or structures in or affecting the course, condition, or capacity of navigable waters of the United States. The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

## **SECTION 404**

The U.S. Army Corps of Engineers is directed by Congress through Section 404 of the Clean Water Act (33 U.S.C. 1344) to regulate the discharges of dredged and fill material into all waters of the United States. These waters include lakes, rivers, streams, mudflats, sandflats, sloughs, wet meadows, natural ponds, and wetlands adjacent to other waters. The intent of the law is to protect these waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical, and biological integrity.

## **NOTICE TO PUBLISHERS**

This public notice has been provided as a public service and may be reprinted at your discretion. However, any cost incurred as a result of reprinting or further distribution shall not be a basis for claim against the Government.



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, TULSA DISTRICT  
2488 EAST 81ST STREET  
TULSA, OKLAHOMA 74137-4290

Application No. SWT-2018-00664

JOINT PUBLIC NOTICE  
U.S. ARMY CORPS OF ENGINEERS  
AND  
OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ)  
(30-DAY COMMENT PERIOD)

Interested parties are hereby notified that the District Engineer (DE) has received an application for a Department of the Army (DA) permit and water quality certification pursuant to Sections 404 and 401 of the Clean Water Act (CWA). The ODEQ hereby incorporates this public notice and procedure as its own public notice and procedure by reference thereto.

Applicant: Mr. Jim McCormick  
District No. 2 Commissioner  
Pawnee County Courthouse  
500 Harrison, Room 104  
Pawnee, OK 74058

Agent: Mr. James Pruet  
Oklahoma Department of Transportation (ODOT)  
200 NE 21<sup>st</sup> Street  
Oklahoma City, OK 73105

Location: The proposed project is in the North ½ of Section 2, Township 23 North, Range 4 East, near Ralston, crossing the Arkansas River and associated unnamed tributary located between Osage and Pawnee County, Oklahoma. The project site can be found on the Doga Creek, Oklahoma 7.5 Minute USGS Quadrangle map.

North Latitude 36.5039 and West Longitude 96.8444 (Arkansas River)

North Latitude 36.5032 and West Longitude 96.8393 (Unnamed Tributary)

Project Description: The application (ODOT Job Piece (JP) 25444(04)) is for the placement of fill material to construct a new road with bridge abutments, riprap, and concrete piers for a new bridge, reinforced concrete box (RCB), and using the placement of fill (earthen material) for a temporary work road and temporary cofferdam.

Purpose: The overall purpose of this work is to replace a structurally deficient bridge (Belford Bridge) and construct a new RCB to maintain safe and reliable transportation along this segment of EW-35. The project is not a water dependent activity.



Summary Table of Impacts:

Original Proposal					
Number or Location	Impact Activity	Type of Water	Type of Fill Material	Qty of Material cys below OHWM	Footprint (ac and/or lf)
Right descending bank STA 41+72.42	Abutments/ Bank Stabilization	Riverine	18-inch riprap and bedding	500	0.11 ac 50 lf
Left descending bank STA 64+70.58	Abutments/ Bank Stabilization	Riverine	18-inch riprap and bedding	545	0.12 ac 55 lf
Bridge "A" STA 53+21.5 TYPE J, PC Beam	P.C. Beam Span Bridge	Riverine	Concrete and Steel	2,423	0.021 ac 2321.16 lf
Piers 1-16 (Enclosure 5)	Beams	Riverine	Concrete and Steel		0.0013 ac/each
RCB "Bridge B" STA 74+85.00	Construction of a RCB/ Wingwall	Riverine	Concrete and Steel	523.40	0.08 ac 69 lf
Unclassified Borrow- Road Quantities Pier 1 and 8	Temporary Work Road	Riverine	Earthen Material	1,200	0.37 ac 1,080 lf
Work Barge and/or Cofferdam Pier 2-7 and 9-16	Drilling Piers	Riverine	Earthen Material	1,200	0.0013 ac/each
cubic yards (cys), ordinary high water mark (OHWM), acre (ac), linear feet (lf)					

Description of Work: The applicant proposes the placement of fill material into the Arkansas River for a temporary work road. The temporary work road would require approximately 1,200 cys of earthen material between pier 1 and 8. The applicant is proposing to use a work barge or a temporary cofferdam for the remaining piers. The total project length is 6,357.12 lf and the new bridge project is 2,321.16 lf.

The other project proponents would drill 16 piers (0.020 ac) using a 60-inch diameter form that would be filled in with concrete and steel for each pier (0.0013 ac). The applicant proposes to use approximately 1,045 cys for Type 1 Class A riprap (with filter blanket) for bank stabilization to protect the abutments. The new bridge structure would be on an offset using seventeen 135-foot TYPE J PC Beams and two new RCBs approximately 69 lf (10- by 10-foot each). The fill material may consist of concrete,



gravel, sand, and earthen material. The work would be performed using conventional earth moving equipment, drills, and a work barge. The existing structurally-deficient bridge and the temporary work road would be removed when the new bridge has been completed.

Avoidance and Minimization Information: The applicant provided the following statement with regard to how avoidance and minimization of impacts to aquatic resources was incorporated into the project plan:

The applicant minimized the impacts by using a work barge, cofferdam, and a shorter temporary work road, instead of using a temporary work road the length of the project.

Mitigation: Furthermore, the applicant proposes the following as compensatory mitigation for the unavoidable impacts to aquatic resources expected from the proposed project:

The applicant did not provide a proposed mitigation plan or a statement explaining why mitigation is not necessary for their project.

This plan is the applicant's proposal. The Corps has made no determination at this time with regard to the adequacy of the proposed mitigation relative to the federal mitigation rules and guidance, including Tulsa District's Mitigation and Monitoring Guidelines Compensatory Mitigation for unavoidable impacts may be required to ensure that this activity requiring a Section 404 permit, if issued, complies with the Section 404 (b)(1) Guidelines. The Corps bears the final decision on the need for and extent of mitigation required if the project proposed herein is authorized.

Government Authorizations obtained or received: The Corps has not reviewed any copies of other required permits.

Project Setting: This project is located within the Oklahoma Ecoregion of Cross Timbers Transition, which is part of the Central Great Plains geomorphic province. The Transition is characterized by a series of grasslands and prairies. The project is in the floodplain of the Arkansas River.

Existing Condition: The project is currently an existing rural paved county road. The land is comprised mostly of riparian forest and agricultural commodities in the uplands. The riverine stream channels are jurisdictional water of the United States and flows adjacent the property.

Cultural Resources: The DE is responsible to ensure compliance with the National Historic Preservation Act of 1966 (NHPA) (Public Law 89-665), as amended, and other cultural resources laws and Executive Orders. A preliminary review has been completed of the state's records for the presence of sites included in, or eligible for, inclusion in the National Register of Historic Places, as well as the Oklahoma Landmark Inventory Database. Based on the preliminary information, there may be historic



properties, as defined by the NHPA, in or within the vicinity of the proposed permit area. The Corps will comply with the NHPA to resolve any potential effects.

Threatened and Endangered Species: The following federally listed species are known to occur in the vicinity or are listed for the county in which the proposed action is located: least tern (*Sterna antillarum*), piping plover (*Charadrius melodus*), red knot (*Calidris canutus rufa*), whooping crane (*Grus americana*), and American burying beetle (*Nicrophorus americanus*). A copy of this notice is being furnished to the U.S. Fish and Wildlife Service and appropriate state agencies. A copy of this notice is being furnished to the U.S. Fish and Wildlife Service and appropriate state agencies.

ODOT completed a Biological Assessment for County Road EW-35, Pawnee County, the Project Number is CIRB-159C(086) RB Job Piece Number: 25444(04) dated March 13, 2012.

We are currently assessing the potential effects of the proposed action on these species and will comply with the Endangered Species Act with regard to any effect of our decision on this permit application.

Evaluation Factors: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity and its intended use on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof: conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownerships, and, in general, the needs and welfare of the people. A permit will be denied if the discharge does not comply with the Environmental Protection Agency's 404(b)(1) Guidelines. Subject to the 404(b)(1) Guidelines and any other applicable guidelines or criteria, a permit will be granted unless the DE determines that it would be contrary to the public interest.

Plans and Data: Plans showing the location of the proposed activity and other data are enclosed with this notice. If additional information is desired, it may be obtained from Mr. Marcus Ware, Tulsa District Corps of Engineers, ATTN: Regulatory Office, 2488 East 81st Street, Tulsa, OK 74137; or telephone 918-669-7400.

Comments: In order to consider and evaluate the impacts of this proposed activity the Corps is soliciting comments from the public, federal, state, and local agencies and officials, floodplain administrators, state historic preservation officers, Indian tribes, and other interested parties. Comments concerning the issuance of this permit should be received by the DE no later than the expiration date of this public notice. You may submit comments to mailing address Tulsa District Corps of Engineers, ATTN:

Regulatory Office, 2488 East 81st Street, Tulsa, OK 74137; or email CESWT-RO@usace.army.mil, please include the public notice number SWT-2018-00664 in the subject line of the message.

Comments concerning water quality impacts will be forwarded to ODEQ for consideration in issuing a Section 401 Water Quality Certification for the proposed project. Work may **not** commence until decisions have been made on both Sections 401 and 404.

Andrew R. Commer  
Chief, Regulatory Office

Enclosures



STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED

COUNTY BRIDGE  
BRIDGE AND APPROACHES  
PAWNEE/OSAGE COUNTY

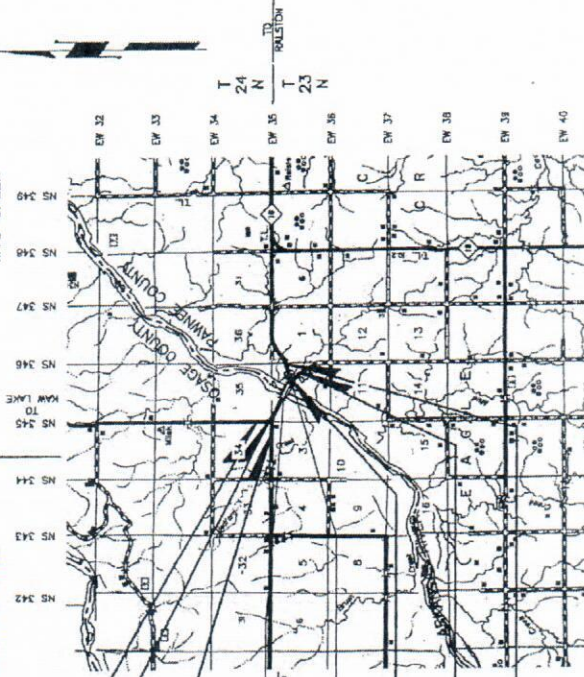
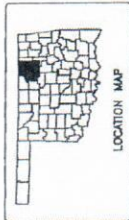
STATE JOB NO. 25444(04)  
BRIDGE "A" (NEI NO. 01417)-OLD  
BRIDGE "B" (NEI NO. 08003)-OLD  
(NEI NO. 31416)-NEW  
LATTITUDE: 36°30'14"N, LONGITUDE: 96°50'40"W  
LATTITUDE: 36°30'11"N, LONGITUDE: 96°50'21"W  
LOCATION NO. 59E0350N34S0007  
LOCATION NO. 59E0353N34S0009

LOCAL NO. 2  
ARKANSAS RIVER

LOCAL NO. 3  
MUD CREEK

DESIGN DATA  
ADT - 2018 = 400  
ADT - 2039 = 45 MPH  
V = 45 MPH  
FLEX ESALS = 0.35 M

SCALES  
PLAN 1" = 50'  
PROFILE 1" = 5'  
LAYOUT 1" = 500'



- STA. 15+00.00 BEGIN PROJECT
- STA. 207+88.00 EW 35  
END INCIDENTAL CONSTRUCTION
- STA. 202+00.00 EW 35  
BEGIN INCIDENTAL CONSTRUCTION
- STA. 41+72.42 BEGIN BRIDGE  
BRIDGE "A" LENGTH = 2298.16'
- STA. 52+58.17 END BRIDGE
- STA. 74+57.50 BEGIN BRIDGE  
BRIDGE "B" LENGTH = 23.00'
- STA. 74+90.50 END BRIDGE
- STA. 300+12.00 NS 346  
BEGIN INCIDENTAL CONSTRUCTION
- STA. 307+00.00 NS 346  
END INCIDENTAL CONSTRUCTION
- STA. 80+25.00 END PROJECT

- CONVENTIONAL SIGNS
- PROPOSED SIGNS
- MAINTENANCE
- ROADWAY
- UTILITY
- STRUCTURES
- BRIDGE
- RAILROAD
- WATER
- LAND
- ADDITIONAL
- NOTES

ROADWAY LENGTH --- 4203.84 FT. --- 0.795 MI.  
BRIDGE LENGTH --- 2321.16 FT. --- 0.439 MI.  
PROJECT LENGTH --- NONE --- 1.235 MI.  
EXCEPTIONS --- NONE  
EQUATIONS --- NONE

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
0001	TITLE SHEET
0002	DESIGN STANDARDS
0003	TYPICAL SECTION
0004	SUMMARY OF PAY QUANTITIES & NOTES (BRIDGE)
0005	SUMMARY OF PAY QUANTITIES & NOTES (ROADWAY)
0006	SUMMARY OF PAY QUANTITIES & NOTES (TOPPG)
0007	SUMMARY SHEET
0008	BRIDGE "A" GENERAL PLAN & ELEVATION SHEETS
0009	BRIDGE "B" GENERAL PLAN & ELEVATION SHEETS
0010	STORMWATER MANAGEMENT PLAN
0011	PLAN & PROFILE SHEETS
0012	CONTRACT DATA SHEETS
0013	CROSS SECTION SHEETS

APPROVED THIS DAY OF \_\_\_\_\_ 2018  
OSAGE COUNTY COMMISSIONERS

APPROVED THIS DAY OF \_\_\_\_\_ 2018  
PAWNEE COUNTY COMMISSIONERS

CHAIRMAN \_\_\_\_\_  
MEMBER \_\_\_\_\_  
MEMBER \_\_\_\_\_

OSAGE COUNTY CLERK \_\_\_\_\_  
PAWNEE COUNTY CLERK \_\_\_\_\_

MEHLBURGER BRAWLEY  
3555 NW 50th Street, Suite 200, Oklahoma City, OK 73112  
OKLAHOMA P.E. NO. 125-00  
OKLAHOMA C.A. NO. 6885 RENEWAL 6/30/2019

TOTAL BRIDGE FEET  
OKLAHOMA P.E. NO. 18276  
(ROADWAY SHEETS)

DRAFT

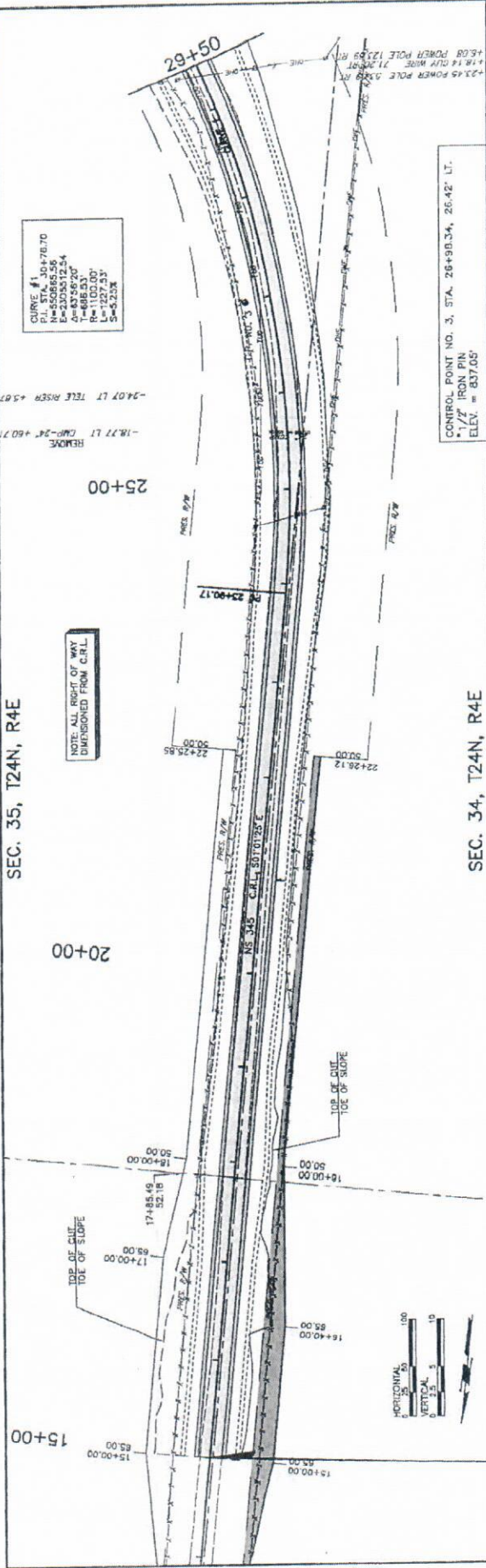
OSAGE COUNTY CLERK \_\_\_\_\_  
DATE \_\_\_\_\_

OKLAHOMA DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

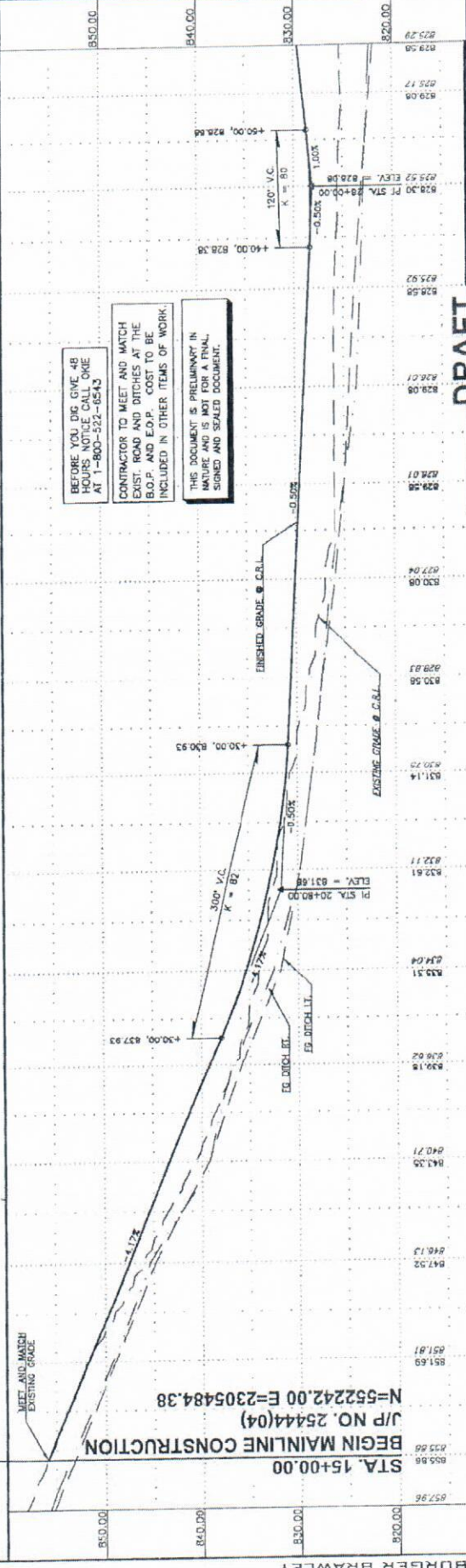
SWT 2018-664  
Oklahoma Department of Transportation  
Bridge Replacement and RCB  
Arkansas River and a unnamed tributary  
Osage and Pawnee County, OK  
Enclosure 1 of 9



SEC. 35, T24N, R4E



SEC. 34, T24N, R4E



STA. 15+00.00  
 BEGIN MAINLINE CONSTRUCTION  
 J/P NO. 25444(04)  
 N=552242.00 E=2305484.38

BEFORE YOU DIG, GIVE 48 HOURS NOTICE CALL ONE AT 1-800-522-6543

CONTRACTOR TO MEET AND MATCH EXIST. ROAD AND DITCHES AT THE B.O.P. AND E.O.P. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT FOR A FINAL, SIGNED AND SEALED DOCUMENT.

DRAPET  
 SWT 2018-664

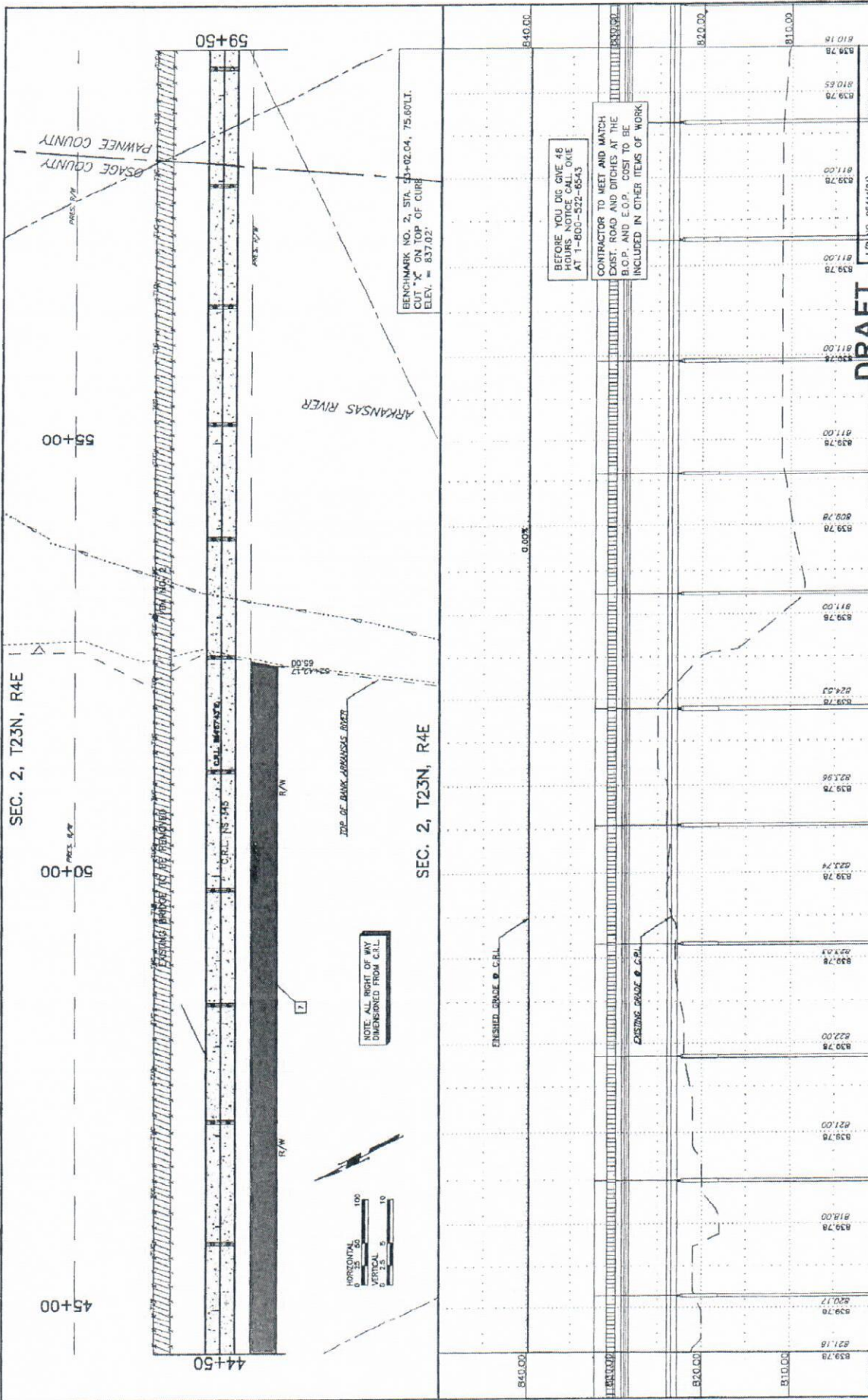
Oklahoma Department of Transportation  
 Bridge Replacement and RCB  
 Arkansas River and a unnamed tributary  
 Osage and Pawnee County, OK  
 Enclosure 2 of 9











MEHLBURGER BRAWLEY

STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
44+50	839.78	47+00	821.00	50+00	839.78	53+00	839.78
45+00	818.00	48+00	822.00	51+00	839.78	54+00	839.78
45+50	821.16	49+00	839.78	52+00	824.00		
46+00	839.78						
47+00	839.78						
48+00	839.78						
49+00	839.78						
50+00	839.78						
51+00	839.78						
52+00	839.78						
53+00	839.78						
54+00	839.78						
55+00	839.78						
56+00	839.78						
57+00	839.78						
58+00	839.78						
59+50	839.78						

PROJECT NO. 2546(DA)

**DRAFT**

SWT 2018-664

Oklahoma Department of Transportation  
 Bridge Replacement and RCB  
 Arkansas River and a unnamed tributary  
 Osage and Pawnee County, OK  
 Enclosure 5 of 9

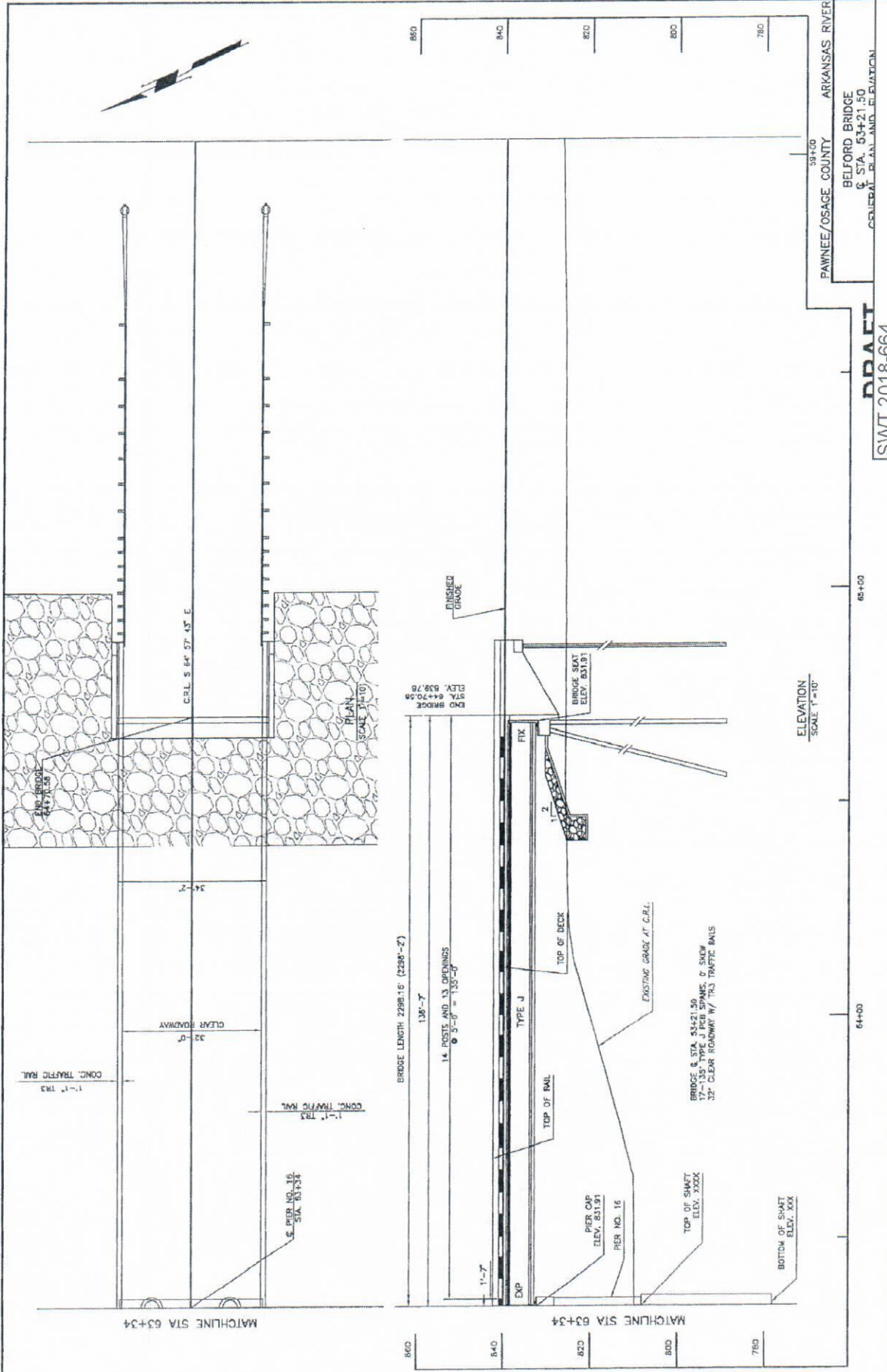
BENCHMARK NO. 2, STA. 53+02.04, 75.60' LT.  
 CUT 'X' ON TOP OF CURB  
 ELEV. = 837.62

BEFORE YOU DIG GIVE 48 HOURS NOTICE CALL OKIE AT 1-800-522-6543

CONTRACTOR TO MEET AND MATCH EXIST. ROAD AND DITCHES AT THE B.O.P. AND E.O.P. COST TO BE INCLUDED IN OTHER ITEMS OF WORK

NOTE: ALL RIGHT OF WAY DIMENSIONS FROM C.L.





SWT 2018-664  
 Oklahoma Department of Transportation  
 Bridge Replacement and RCB  
 Arkansas River and a unnamed tributary  
 Osage and Pawnee County, OK  
 Enclosure 6 of 9

DDAECT  
 2018-664

PAWNEE/OSAGE COUNTY ARKANSAS RIVER  
 BELFORD BRIDGE  
 STA. 53+21.50  
 CELEBRAT PLAN AND ELEVATION

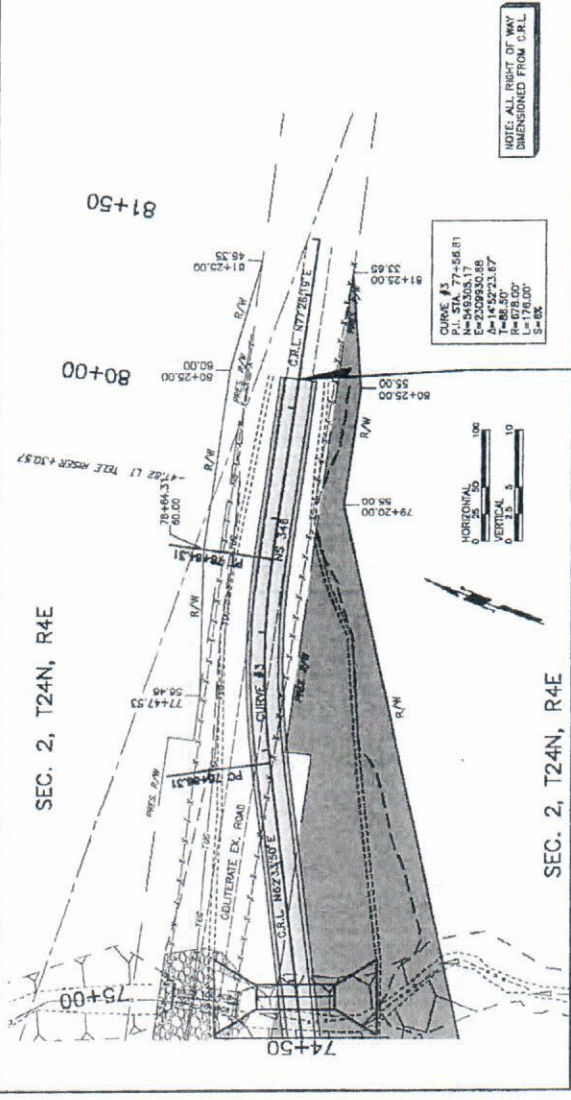




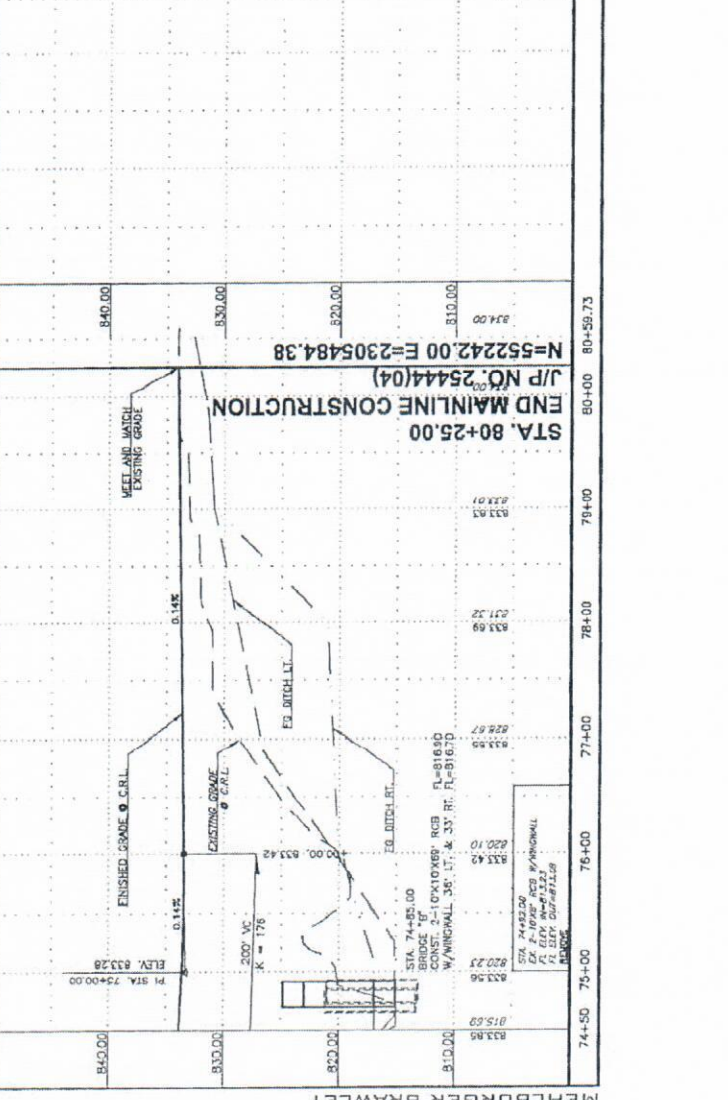


**SUPERELEVATION TABLE**

SUPERELEVATION REGION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT SHOULDER	RIGHT LANE
CURVE 1	21+58.41	End Normal Shoulder	-2.00%	-2.00%	-2.00%	-2.00%
	22+58.41	End Normal Crown	-2.00%	-2.00%	-2.00%	-2.00%
	23+02.79	Level Crown	-2.00%	-2.00%	-2.00%	-2.00%
	23+47.17	Reverse Crown	-2.00%	-2.00%	-2.00%	-2.00%
	24+19.29	Begin Full Supper	-5.25%	-5.25%	-2.00%	-2.00%
	24+48.57	End Full Supper	-5.25%	-5.25%	-2.00%	-2.00%
	24+66.69	Reverse Crown	-2.00%	-2.00%	-2.00%	-2.00%
	27+05.07	Level Crown	-2.00%	-2.00%	-2.00%	-2.00%
	27+49.45	Begin Normal Shoulder	-2.00%	-2.00%	-2.00%	-2.00%
	28+42.25	End Normal Shoulder	-2.00%	-2.00%	-2.00%	-2.00%
CURVE 2	65+86.58	Level Crown	-2.00%	-2.00%	-2.00%	-2.00%
	66+30.91	Reverse Crown	-2.00%	-2.00%	-2.00%	-2.00%
	67+19.26	Begin Full Supper	-6.00%	-6.00%	-2.00%	-2.00%
	67+19.26	Begin Shoulder Rollover	-6.00%	-6.00%	-2.00%	-2.00%
	72+76.81	End Full Supper	-6.00%	-6.00%	-2.00%	-2.00%
	72+76.81	End Shoulder Rollover	-6.00%	-6.00%	-2.00%	-2.00%
	74+85.48	Reverse Crown	-2.00%	-2.00%	-2.00%	-2.00%
	74+85.48	Level Crown	-2.00%	-2.00%	-2.00%	-2.00%
	74+85.48	Begin Normal Shoulder	-2.00%	-2.00%	-2.00%	-2.00%
	74+85.48	End Normal Shoulder	-2.00%	-2.00%	-2.00%	-2.00%
CURVE 3	75+44.22	End Normal Crown	-2.00%	-2.00%	-2.00%	-2.00%
	75+44.22	Level Crown	-2.00%	-2.00%	-2.00%	-2.00%
	76+33.89	Reverse Crown	-2.00%	-2.00%	-2.00%	-2.00%
	77+21.29	Begin Full Supper	-2.00%	-2.00%	-2.00%	-2.00%
	77+21.29	Begin Shoulder Rollover	-2.00%	-2.00%	-2.00%	-2.00%
	78+31.09	End Full Supper	-2.00%	-2.00%	-2.00%	-2.00%
	78+31.09	End Shoulder Rollover	-2.00%	-2.00%	-2.00%	-2.00%
	78+31.09	Level Crown	-2.00%	-2.00%	-2.00%	-2.00%
	80+08.39	Begin Normal Crown	-2.00%	-2.00%	-2.00%	-2.00%
	80+08.39	Begin Normal Shoulder	-2.00%	-2.00%	-2.00%	-2.00%



NOTE: ALL RIGHT OF WAY DIMENSIONED FROM C.R.L.



BEFORE YOU DIG, CHECK FOR UTILITIES. NOTICE CALL ONE AT 1-800-522-6543.

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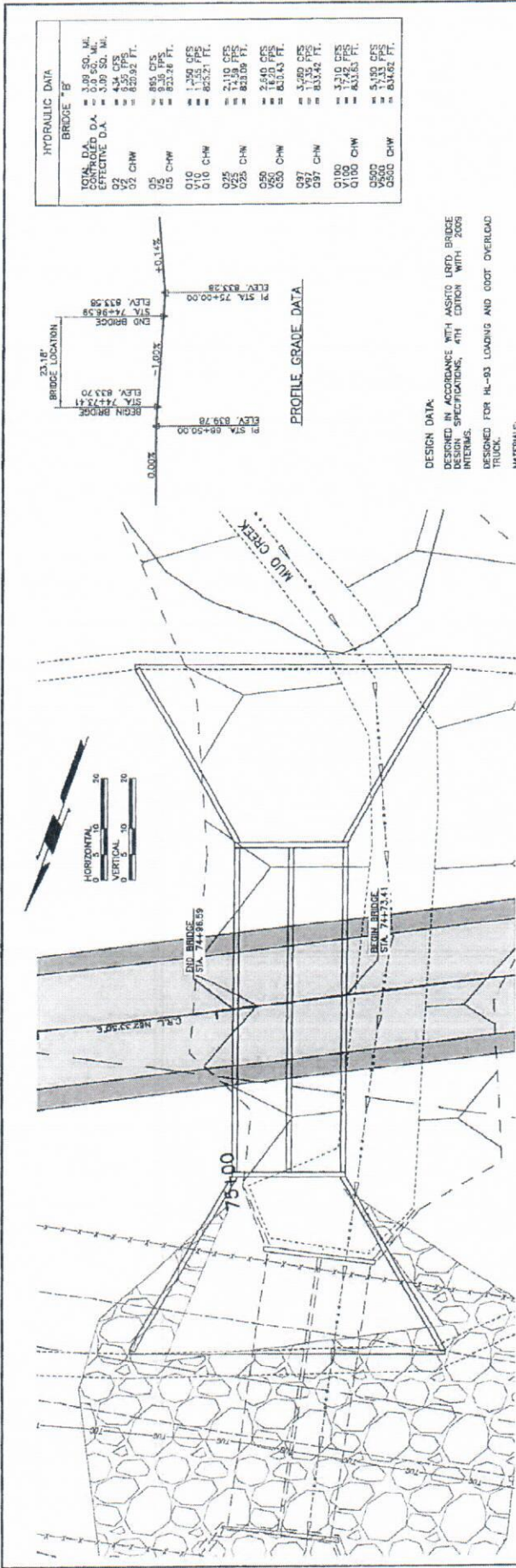
**DDA/CT**

SWT 2018-664

Oklahoma Department of Transportation  
 Bridge Replacement and RCB  
 Arkansas River and a unnamed tributary  
 Osage and Pawnee County, OK  
 Enclosure 8 of 9

MELBURGER BRAWLEY





**HYDRAULIC DATA**

**BRIDGE "B"**

TOTAL D.A.	= 3.00 SQ. MI.
CONTRACTED D.A.	= 0.00 SQ. MI.
EFFECTIVE D.A.	= 3.00 SQ. MI.
Q2	= 4.51 CFS
Q2 CHW	= 820.92 FT.
Q5	= 865 CFS
Q5 CHW	= 833.76 FT.
Q10	= 1,090 CFS
Q10 CHW	= 853.52 FT.
Q25	= 2,110 CFS
Q25 CHW	= 853.09 FT.
Q50	= 4,240 CFS
Q50 CHW	= 850.43 FT.
Q87	= 5,960 CFS
Q87 CHW	= 850.92 FT.
Q100	= 7,210 CFS
Q100 CHW	= 845.75 FT.
Q200	= 14,420 CFS
Q200 CHW	= 845.75 FT.
Q300	= 21,630 CFS
Q300 CHW	= 843.62 FT.

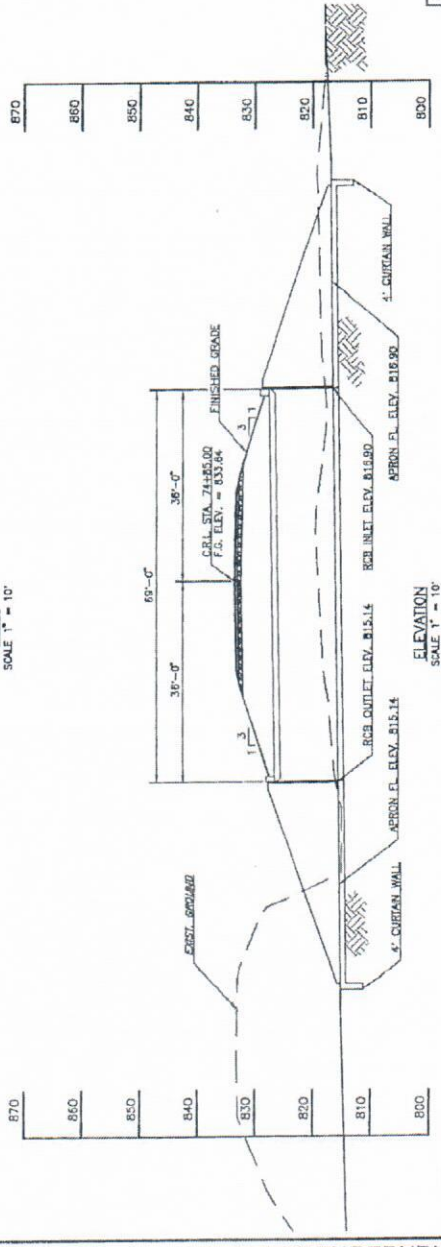
**PROFILE GRADE DATA**

**DESIGN DATA:**  
 DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH 2009 INTERIMS.  
 DESIGNED FOR HL-93 LOADING AND ODOT OVERLOAD TRUCK.

**MATERIALS:**  
 CONCRETE (CLASS AA)  $f'_c = 4$  KSI  
 REINFORCING STEEL  $f_y = 60$  KSI

**GENERAL NOTES:**  
 ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.  
 ALL CONCRETE EDGES SHALL HAVE A 1/2" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.  
 ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.

**PLAN**  
 SCALE 1" = 10'



**ELEVATION**  
 SCALE 1" = 10'

**SUMMARY OF BRIDGE QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	TOTAL
202(A)	120 UNCLASSIFIED DRAINAGE	C.Y.	
202(B)	100 STRUCTURAL EXCAVATION RECLASSIFIED	C.Y.	
202(C)	100 STRUCTURAL EXCAVATION	C.Y.	
202(D)	100 REINFORCING STEEL	LB.	

**BRIDGE "B"**  
 @ STA. 74+85.00  
 CONST. 2-10'x10'x69" RCB, SKEW 8' L.F.  
 36" LT & 33" RT.  
 W/4'-0" CURTAIN WALLS

PAWNEE/OSAGE COUNTY ARKANSAS RIVER

**DRAFT** **GENERAL PLAN & ELEVATION**

SWT 2018-664

Oklahoma Department of Transportation  
 Bridge Replacement and RCB  
 Arkansas River and a unnamed tributary  
 Osage and Pawnee County, OK  
 Enclosure 9 of 9