



Public Notice

U.S. Army Corps
of Engineers
Tulsa District

Reply To:

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

SWT-2016-125
Public Notice No.

February 17, 2022
Public Notice Date

March 3, 2022
Expiration Date

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-2016-125

JOINT PUBLIC NOTICE
U.S. ARMY CORPS OF ENGINEERS
AND
OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ)
(15-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. This notice pertains to a previously authorized, recently expired permit.

Applicant: Mr. Lane Whitehouse
Creek County Commissioner, District 3
620 Industrial Road
Bristow, OK 74010

Agent: Mr. Geoff Canty
CC Environmental
3533 National Drive
PO Box 1292
Norman, OK 73069

Location: The proposed project is in the South 1/2 of Section 13, Township 14 North, Range 8 East, Creek County, Oklahoma. The project site can be found on the Gypsy, Oklahoma 7.5 Minute USGS Quadrangle map at North Latitude 35.683835 and West Longitude -96.414763.

History: Creek County requested an extension for the authorized project on SWT-2016-125 (Oklahoma Department of Transportation Job Piece 28681(04)) on February 7, 2022. The project expired on November 30, 2021. Creek County notified the Corps that the project was delayed because of state budgetary constraints and the project lets in March 2022 and construction is expected to begin by July 2022. The Corps required the purchase of 21.6 wetland credits for this proposal via the approved mitigation plan. On April 16, 2019, Creek County verified that they purchased the required 21.6 wetland credits.

Project Description: The application is for the placement of dredged or fill material to construct a new road with bridge abutments, riprap, and concrete piers for a new bridge. Since the original authorization of this project, no changes have been made to the design and no relevant changes in the site conditions have occurred. Hence, the comment period on this public notice is reduced to 15-day.

Purpose: The overall purpose of this work is to replace a structurally deficient bridge to maintain safe and reliable traffic along this segment of county road on NS 370 (South 369th West Avenue). 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)
Wetland 1	Roadway	Forested Wetlands	Earthen Material	See Road Quantities	0.17 acre
Left descending bank	Abutments/ Bank Stabilization	Riverine	18-inch riprap and bedding	1,694 CY	100 lf
Bridge "A" 2-115 feet, 4-100 feet, and 5-48-inch Diameter Piers	P.C. Beam Span Bridge	Riverine	Concrete and Steel	603 CY	0.005 acre 635.22 lf
Right descending bank	Abutments/ Bank stabilization	Riverine	18-inch riprap and bedding	1,694 CY	100 lf
Wetland 2 113+42 to 130+00	Roadway	Forested Wetland	Earthen Material	See Road Quantities	2.73 acres
Stream B Stream "3" 36"X101'	Reinforced Concrete Pipe	Intermittent Stream	Concrete and Steel	See Road Quantities	0.13 acre 143 lf
Stream C Stream "6" 36"X104'	Reinforced Concrete Pipe	Intermittent Stream	Concrete and Steel	See Road Quantities	0.05 acre 116 lf
Unclassified Borrow - Road Quantities	Roadway	Forested Wetland/ Streams	Earthen Material	58,847 CY	2,365 lf
Road Quantities	Roadway	Forested Wetlands/ Streams	6-inch Aggregate Type A	1,340 CY	2,365 lf
cubic yards (cys), ordinary high water mark (OHWM), acre (ac), linear feet (lf)					

Description of Work: The applicant proposes the placement of dredge for fill material into jurisdictional waters and adjacent wetlands using 58,847 cubic yards (CY) of earthen materials, 1,340 CY for 6-inch aggregate Type A, and 3,388 CY of 18-inch riprap for bank stabilization for abutments and the road base. The total project length is approximately 2,365 linear feet. The new road would impact two wetland areas that total 2.90 acres and two stream channels with reinforced concrete pipes for 0.18 acre (259 linear feet). The applicant also proposes to construct a new P.C. Beam Span bridge that consist of two -115 feet sections and four - 100 feet sections with five 48-inch diameter piers using for concrete and steel that total 0.005 acre.

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 impact by adding piers within the adjacent wetlands of the Deep Fork River and avoided additional fill material.

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 Timber Transition, which is part of the Central Great Plains geomorphic province. The Transition is characterized by a series of grasslands and prairies. The stream channel and forested wetlands are located in the floodplain of the Deep Fork River.

Existing Condition: The project is rural, undeveloped land and the existing county road is an unpaved road surface with gravel road. The land is comprised mostly of riparian forest in the uplands. The riverine stream channel is a 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. Oklahoma Department of Transportation has completed a review of the state's records has been completed 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. There are no known historic properties, as defined by the NHPA, in or within the vicinity of the proposed permit area. The State Historic Preservation Office File (#0964-14) provided on April 4, 2014, to the Oklahoma Department of Transportation demonstrated that there are no historic properties affected by the project.

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*), 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.

Oklahoma Department of the Transportation coordinated with the U.S. Fish and Wildlife Service on September 12, 2014, and the IPAC consultation number from that time period is 02EKOK00-2014-SLI-1375. A preliminary determination is that the proposed activity will not affect listed threatened or endangered species or their critical habitat.

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.

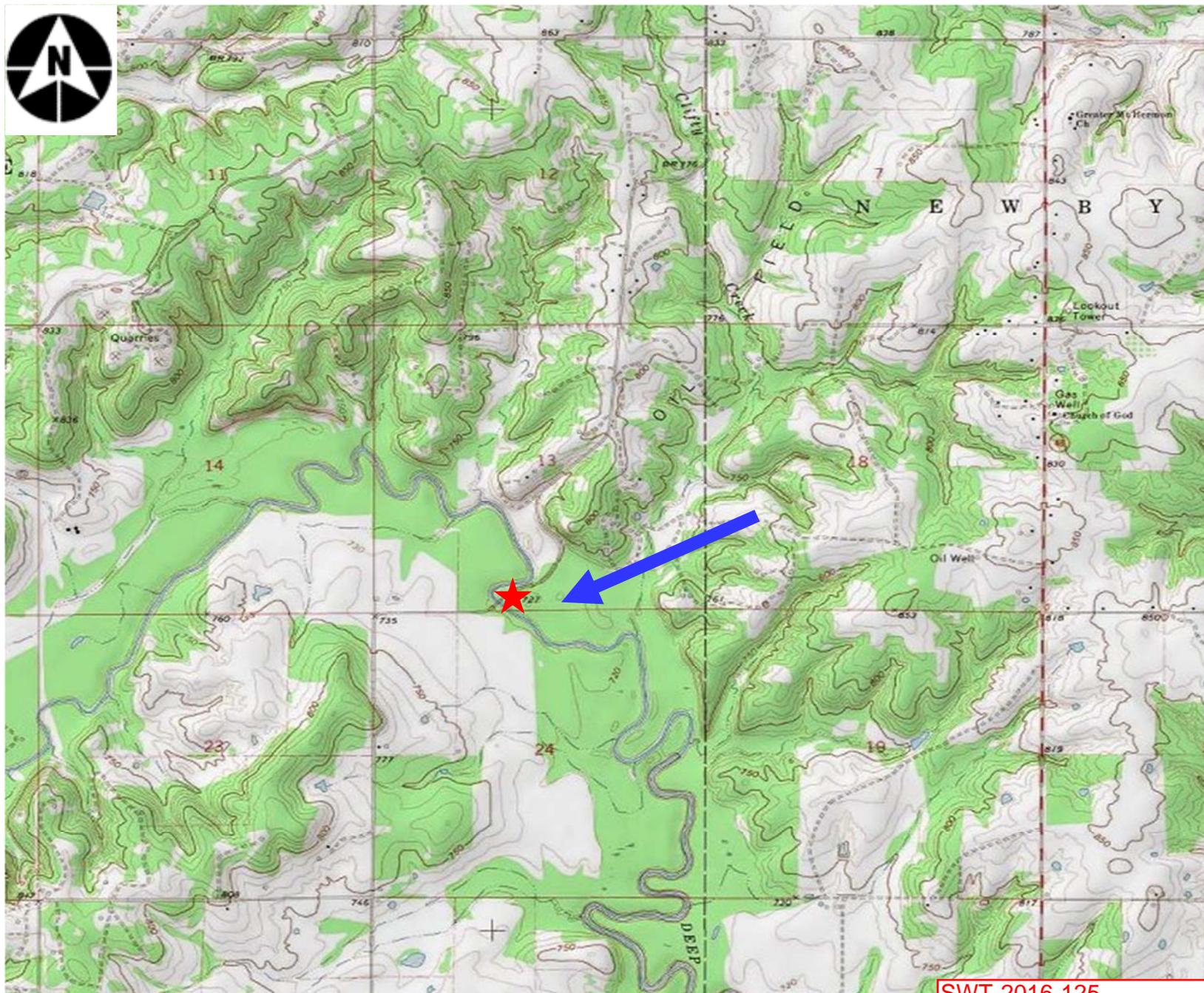
Plans and Data: Plans showing the location of the proposed activity and other data are enclosed with this notice. If additional information is desired, it may be obtained from Mr. Marcus Ware, Tulsa District Corps of Engineers, ATTN: Regulatory Office, 2488 East 81st Street, Tulsa, OK 74137; or telephone 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-2016-125 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



SWT-2016-125
Bridge Construction Project
Job Piece 28681(04)
Deep Fork River
Creek County, Oklahoma
Enclosure 1 of 9

OKLAHOMA DEPARTMENT OF TRANSPORTATION
PROPOSED R/W
 April 2015

SURVEY CONTROL DATA
 HORIZONTAL DATUM
 OKLAHOMA NORTH ZONE (3501) NAD 83.
 ALL POINTS ARE BASED ON STATE PLANE
 COORDINATES AND ARE NOT ASTROGNOMIC.
 VERTICAL DATUM
 NAVD 1988
 NO SCALE FACTOR

DESIGN DATA
 DESIGN SPEED
 AADT 2015 = 100
 AADT 2035 = 181
 V = 45 MPH
 FLEX EQUALS = 0.2 M

STATE OF OKLAHOMA
 DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
COUNTY BRIDGE
 STATE AID PROJECT NO. CIRB-219DCXXXRB
 BRIDGE AND APPROACH PLANS FOR
CREEK COUNTY

STATE JOB NO. 28681(04)

BRIDGE 250 - LOCATION NO. 19N3704R0910009 EXISTING NBI NO. 01651;
 LATITUDE N35° 41' 00" LONGITUDE W96° 24' 59"
 BRIDGE 251 - LOCATION NO. 19N3705R0910009 EXISTING NBI NO. 03182
 LATITUDE N35° 41' 08" LONGITUDE W96° 24' 48"
 BRIDGE 252 - LOCATION NO. 19N3705R0910007 EXISTING NBI NO. 03155
 LATITUDE N35° 41' 05" LONGITUDE W96° 24' 49"
 BRIDGE "A" LOCATION NO. XXXXXXXXXXXX NEW NBI NO. XXXXXX
 LATITUDE N35° 41' 00" LONGITUDE W96° 24' 59"

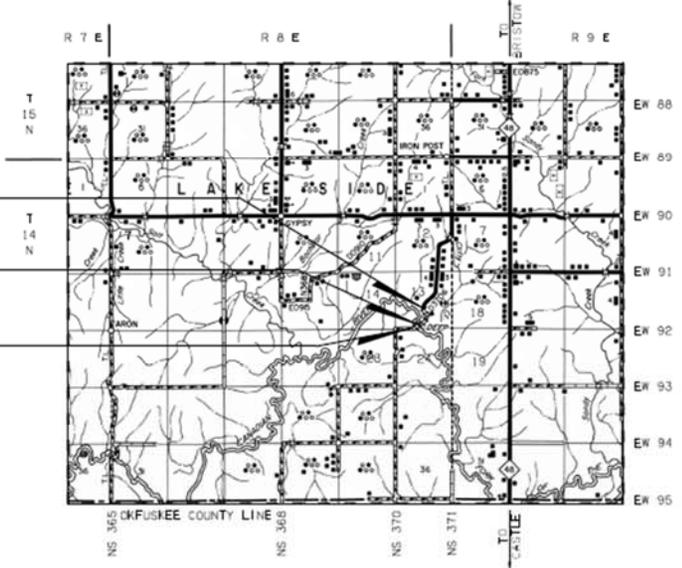
INDEX OF SHEETS

1	TITLE SHEET
2	TYPICAL SECTIONS
3	SUMMARY OF PAY QUANTITIES & NOTES - ROADWAY
4	SUMMARY OF PAY QUANTITIES & NOTES - BRIDGE
5	STORM WATER MANAGEMENT PLAN
6	ALIGNMENT DATA SHEET
7-12	PLAN AND PROFILE SHEETS
13-14	GENERAL PLAN AND ELEVATION
X1-X18	CROSS SECTIONS

THE FOLLOWING ODOT STANDARD DRAWINGS ARE REQUIRED

BRIDGE	ROADWAY	TRAFFIC	TRAFFIC MAINT.
CB32-C-SK30-ABUT-PC4-1-01E	CE45-3-1	DUI1-1-00	GET-2-00
CB32-C-SK30-ABUT-PC4-2-02E	DC3-2	DUI2-1-00	GRH1-1-00
CB32-C-SK30-XSECT-PC234-01E	FHTMP-5-0	GHW1-1-00	GRH2-1-00
CB32-C-SK30-LSECT-PCB-01E	FHTCP-3-0	GHW2-1-00	GRH3-1-00
CB32-C-SK30-OKSLE-1-01E	FFI1-3-2	GMS1-1-00	
CB32-C-SK30-OKSLE-2-01E	LECS-4-1	PM3-1-02	
CB32-C-SK30-OKSLE-BLIST-01E	PCES-4-0	RSD1-1-00	
CB32-C-SK30-DIA-END-PC234-01E	PSE-1-0	SBS1-1-00	
CB32-C-SK30-SPR-GUAN-PCB-1-01E	PUD-3-2	SBS2-1-00	
CB32-C-SK30-SPR-GUAN-PCB-2-01E	RD1-3-1	SKT1-1-00	
CB32-C-SK0..30-DIA-INT-PCB-01E	RWF-2-1	SPA1-1-00	
CB32-C-SK0..30-BIG-PC-01E	SF8-1-3	SSA1-1-00	
CB26..32-C-SK30-WING-PC4-01E	SP1-4-0	SSP1-1-02	
CB26..32-C..1-SK0..30-PCB-DTL-1-01E	SSS-1-1	TCS1-1-01	
CB26..32-C..1-SK0..30-PCB-DTL-2-01E	TSC2-3-1	TCS2-1-00	
CB32-C-SK0..30-PCB-1V-100-01E	TSD-2-0	TCS4-1-01	
CB32-C-SK0..30-PCB-1V-115-01E		TCS5-1-00	
HP1-2-00E		TCS7-1-02	
TR3-2-00E		TCS8-1-00	
		TCS9-1-01	
		TCS10-1-00	
		TCS11-1-01	
		TCS12-1-00	
		TCS13-1-00	
		TCS14-1-00	
		TCS15-1-00	
		THR1-1-00	

SCALES
 PLAN 1" = 20'
 PROFILE HOR. 1" = 20'
 VER. 1" = 10'
 LAYOUT MAP 1" = 5,280'

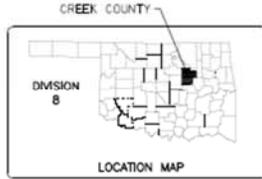


STA. 130+00.00
 END PROJECT

BRIDGE "A"
 BEGIN STA. 107+07.39
 END STA. 113+42.61
 LENGTH = 635'-2 5/8"

STA. 100+00.00
 BEGIN PROJECT

- CONVENTIONAL SYMBOLS**
- PROPOSED ROAD
 - PAVEMENT
 - GRADE & THINNESS
 - SECTION LINES
 - GRADED SECTION LINES
 - PCB
 - GROUND LINE
 - EXISTING ROAD
 - RAIL LINE
 - GRADE LINE
 - TELEPHONE & TELEVISION
 - POWER LINES
 - UTILITIES
 - STRUCTURE
 - SHAKE STRUCTURE - EX. PLACE
 - SHAKE STRUCTURE - NEW
 - RECONSTRUCT LINE - EXISTING
 - CONTRACTOR ACCESS
 - SHIELD
 - EXISTING CENTERLINE
 - EXISTING SANITARY SIGNS
 - EXISTING SAN LINES
 - EXISTING PAVE LINES
 - EXISTING TELEPHONE-GLD OVERHEAD



ROADWAY LENGTH _____ 2364.78 FT. 0.447 MI.
 BRIDGE LENGTH _____ 635.22 FT. 0.120 MI.
 PROJECT LENGTH _____ 0.567 MI.

EQUATIONS: NONE
 EXCEPTIONS: NONE

NICHOLLS CONSULTING, PLLC
 CERTIFICATE OF AUTHORIZATION No. 3721
 EXPIRES DATE: JUNE 30, 2015

MICHAEL B. SIMMONS, P.E. No. 24976
 (THIS SEAL COVERS SHEETS XX-XX)

GUYENGINEERING
 Certificate of Authorization
 No. 1439
 Renewal Date: June 30, 2015

R. AARON PACE, P.E. No. 25088
 (THIS SEAL COVERS SHEETS XX-XX)

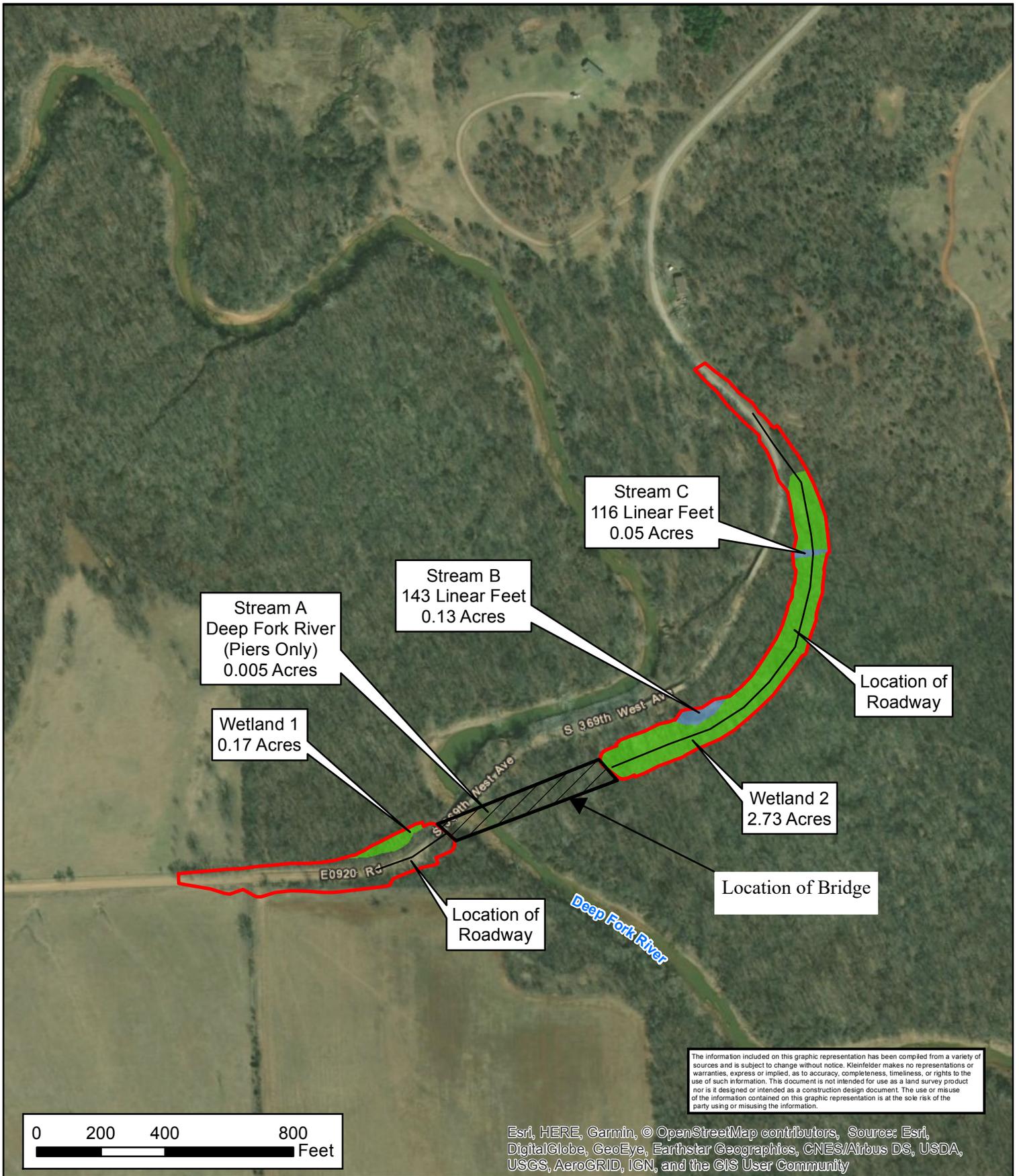
OKLAHOMA DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

DATE APPROVED: _____ DATE APPROVED: _____
 BY: _____ BY: _____

PROJECT NO. CIRB-219DCXXXRB SHEET NO. 1

2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION - ENGLISH
 GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY
 ADMINISTRATION, JANUARY 4, 2010.

SWT-2016-125
 Bridge Construction Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 2 of 9

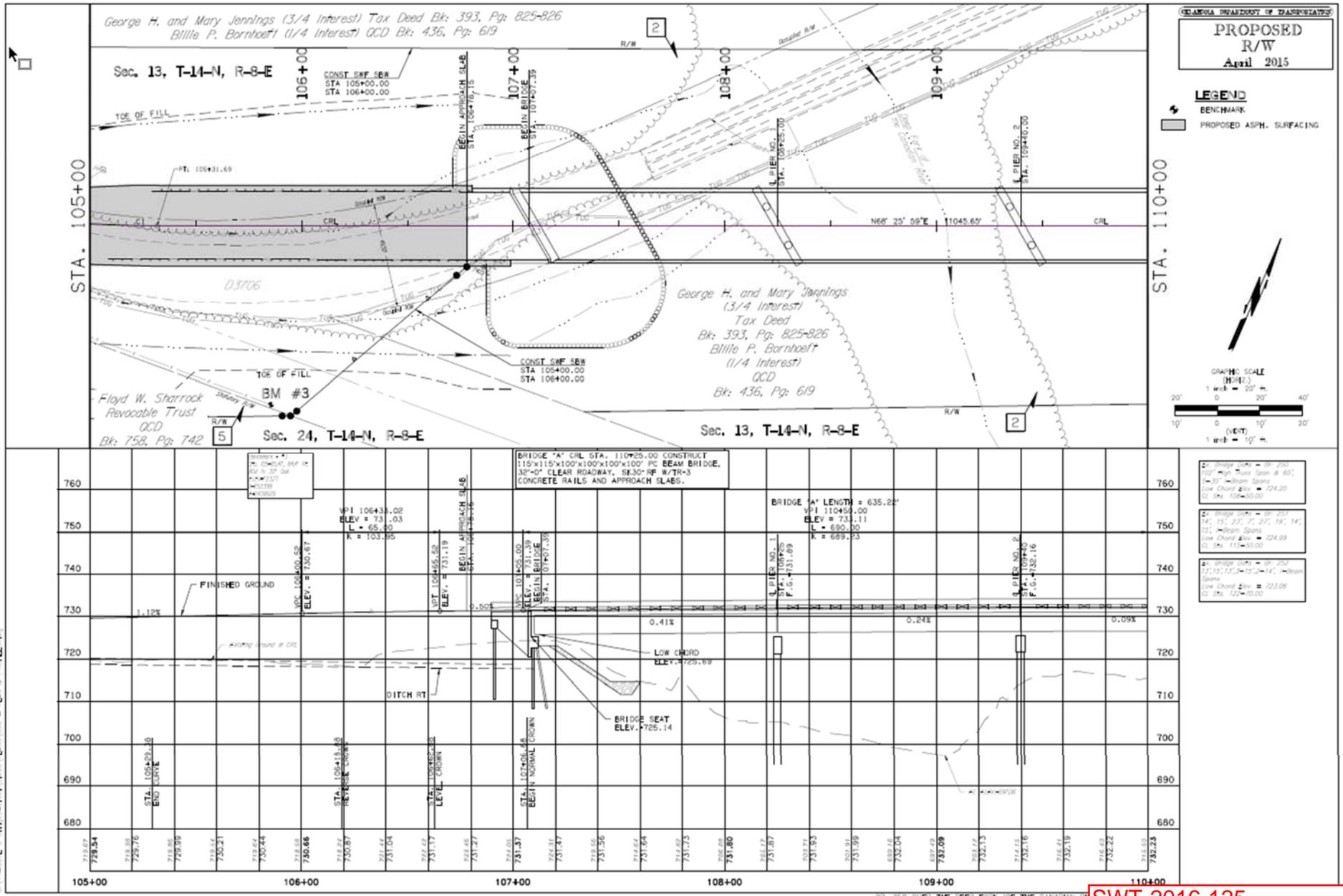


Legend

 Project Footprint	 Stream
 Bridge	 Wetland

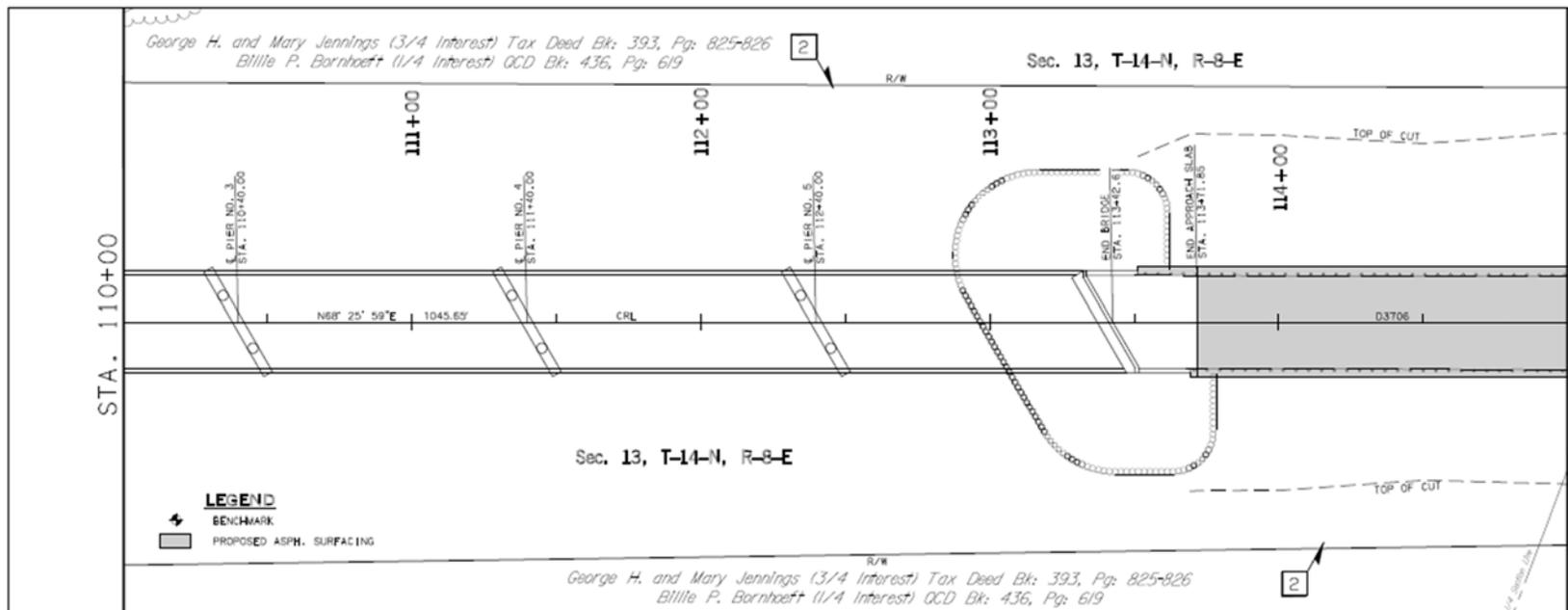
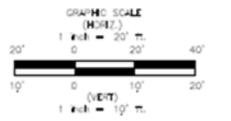
	PROJECT NO.	20181595
	DRAWN:	7/20/2018
	DRAWN BY:	A.Leonard
	CHECKED BY:	B.Neece
	FILE NAME:	Fig3_impacts.mxd

SWT-2016-125
Bridge Construction Project
Job Piece 28681(04)
Deep Fork River
Creek County, Oklahoma
Enclosure 3 of 9



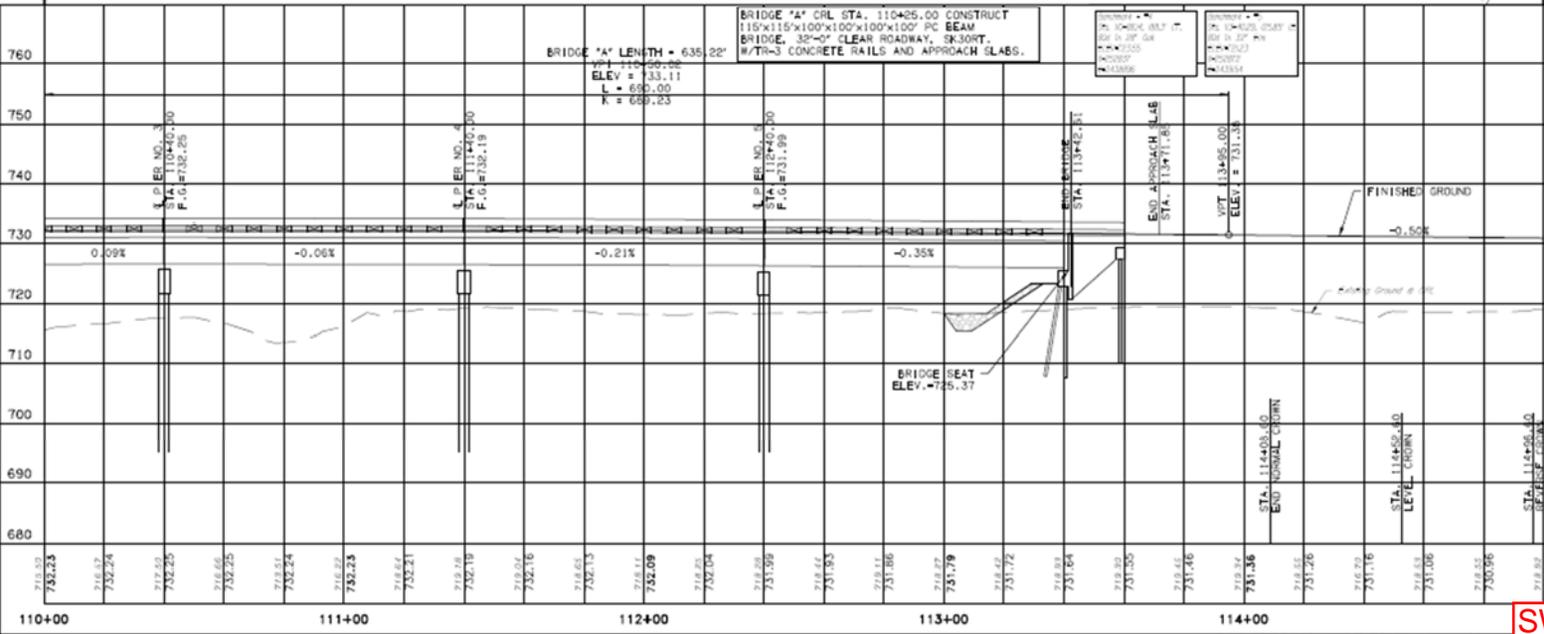
SWT-2016-125
 Bridge Construction
 Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 4 of 9

GEARMA DRAINAGE OF DRAINAGE
PROPOSED
 R/W
 April 2015



LEGEND
 BENCHMARK
 PROPOSED ASPH. SURFACING

George H. and Mary Jennings (3/4 Interest) Tax Deed Bk: 393, Pg: 825-826
 Billie P. Barnhoeff (1/4 Interest) OCD Bk: 436, Pg: 619



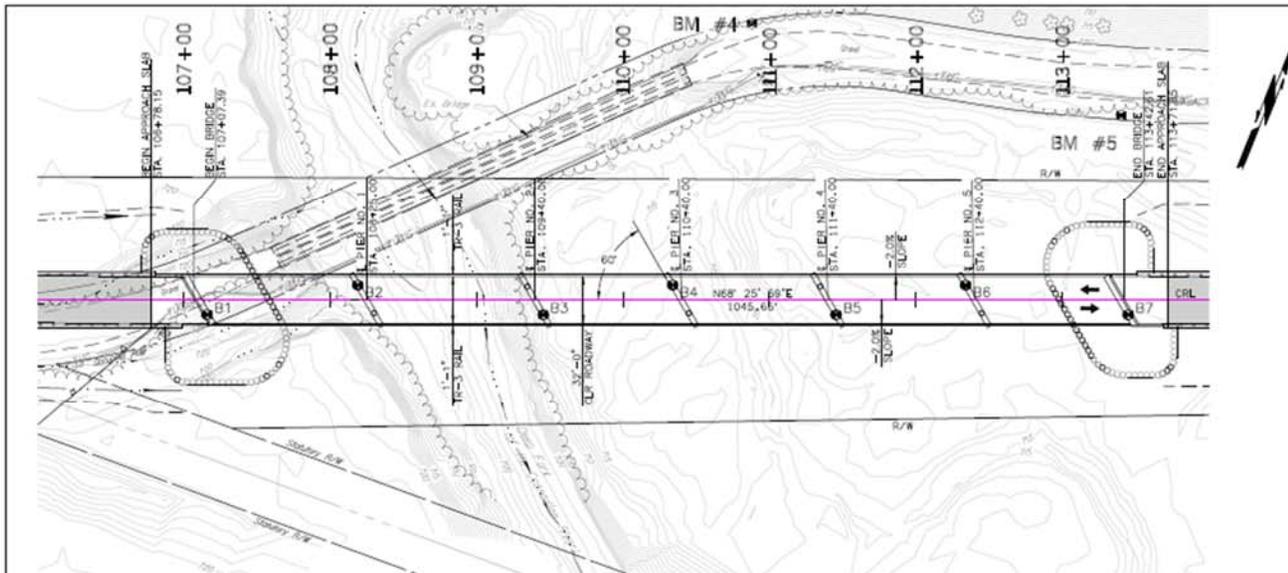
BRIDGE "A" LENGTH = 635.22'
 VPI 110+56.58
 ELEV = 733.11
 L = 635.00
 K = 689.23

BRIDGE "A" CRL STA. 110+25.00 CONSTRUCT
 115'x115'x100'x100'x100'x100' PG BEAM
 BRIDGE 35'-0" CLEAR ROADWAY, SK-30RT.
 W/7'-3" CONCRETE RAILS AND APPROACH SLABS.

- 1. Bridge GPM = 01-250
 10' x 40' Max Span @ 80'
 1'-10" Beam Spans
 Low Chord Elev = 724.00
 G. Slo. 108-30.00
- 2. Bridge GPM = 01-251
 14', 15', 25', 2', 20', 19', 14'
 15' Beam Spans
 Low Chord Elev = 724.89
 G. Slo. 115-30.00
- 3. Bridge GPM = 01-252
 12.15', 12.25', 15.25', 14.5'
 15' Beam Spans
 Low Chord Elev = 725.08
 G. Slo. 115-30.00

DATE: 04/15/15
 TIME: 11:00 AM
 PROJECT: SW-2016-125
 DRAWING: BRIDGE CONSTRUCTION
 JOB: DEEP FORK RIVER
 COUNTY: CREEK COUNTY, OKLAHOMA
 ENCLOSURE: 5 OF 9

SWT-2016-125
 Bridge Construction
 Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 5 of 9



BRIDGE 'A'			
HYDRAULIC DATA			
D.A. = 1,376.00	SQ. MI.	Q100 = 98,200	CFS
		V100 = 10.02	FPS
		CHW100 = 732.76	FT
Q10 = 16,400	CFS	CONT. SCOUR DEPTH = 1.30	FT
V10 = 3.53	FPS	PIER SCOUR DEPTH = 10.55	FT
CHW10 = 726.35	FT	TOTAL SCOUR DEPTH = 12.48	FT
Q25 = 59,600	CFS	QOT (20 YR) = 45,200	CFS
V25 = 7.88	FPS	VOT (20 YR) = 6.43	FPS
CHW25 = 727.71	FT	CHWOT (20 YR) = 727.74	FT (REV)

PROPOSED R/W April 2015

LEGEND

- BENCHMARK
- PROPOSED RIP RAP
- ANCHOR ILL

SUMMARY OF QUANTITIES					
DESCRIPTION	UNIT	SUPER	PIER	ABUT.	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.				256
CLSM BACKFILL	C.Y.				126
PRE STRESSED CONCRETE BEAMS (TYPE IV)	L.F.	2,512			2,512
APPROACH SLAB	S.Y.				225
SAW CUT GROOVING	S.Y.	1,955			1,955
CONCRETE RAIL (TR3)	L.F.	1,271			1,271
STRUCTURAL STEEL	L.B.	3,160			3,160
WEATHERING STEEL FIXED BEARING ASSEMBLY	E.A.	32			32
WEATHERING STL EXP. BEARING ASSEMBLY	E.A.	16			16
CLASS AA CONCRETE	C.Y.	603			603
CLASS A CONCRETE	C.Y.	0			0
REINFORCING STEEL	L.B.	143,960			143,960
PILES, FURNISHED (HP 10x42)	L.F.				0
PILES, FURNISHED (HP 12x53)	L.F.				0
PILES, DRIVEN (HP 10x42)	L.F.				0
PILES, DRIVEN (HP 12x53)	L.F.				0
CROSSHOLE SONIC LOGGING	E.A.		10		10
TYPE I-A PLAIN RIPRAP	TON				2,847
TYPE I-A FILTER BLANKET	TON				376
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.				72
6" NON PERF. PIPE UNDERDRAIN RND.	L.F.				40
REMOVAL OF EXISTING BRIDGE STRUCTURE	L. SUM				1
GUARDRAIL ANCHOR UNIT (TYPE O.B.F.)	E.A.				4

BRIDGE "A" CRL STA. 110+25.00 CONSTRUCT 115'x115'x100'x100'x100' PC BEAM BRIDGE, 32'-0" CLEAR ROADWAY, 58.30' HF W/TR-3 CONCRETE RAILS AND APPROACH SLABS.

STANDARDS

CB32-C-SR30-ABUT-PC4-1-01E
 CB32-C-SR30-ABUT-PC4-2-02E
 CB32-C-SR30-XSECT-PC234-01E
 CB32-C-SR30-LECT-PCB-01E
 CB32-C-SR30-DRSLB-1-01E
 CB32-C-SR30-DRSLB-2-01E
 CB32-C-SR30-DRSLB-BL137-01E
 CB32-C-SR30-DRSLB-PC234-01E
 CB32-C-SR30-SPR-GUAN-PCB-1-01E

LOAD AND RESISTANCE FACTOR DESIGN DATA

CLASS AA CONCRETE $f'_c = 4,000$ P.S.I.
 CLASS A CONCRETE $f'_c = 3,000$ P.S.I.
 REINFORCING STEEL $f_y = 60,000$ P.S.I.
 STRUCTURAL STEEL M270 (GRADE 50W) $f_y = 50,000$ P.S.I.
 STAINLESS STEEL A240 (TYPE 316) $f_y = 30,000$ P.S.I.

LOADING: HL-93 OR OKLAHOMA OVERLOAD TRUCK AND 20 P.S.F. FUTURE WEARING SURFACE, 5 P.S.F. STAY-IN-PLACE FORMS.

DESIGN: ASHTO LFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH 2009 INTERIM REVISIONS.

ANSI / AWS D1.5 BRIDGE WELDING CODE
 ANSI / AWS D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL
 LFD OPERATING RATING: HS 35.8

ABUTMENTS (HP 10 X 42 PILING)

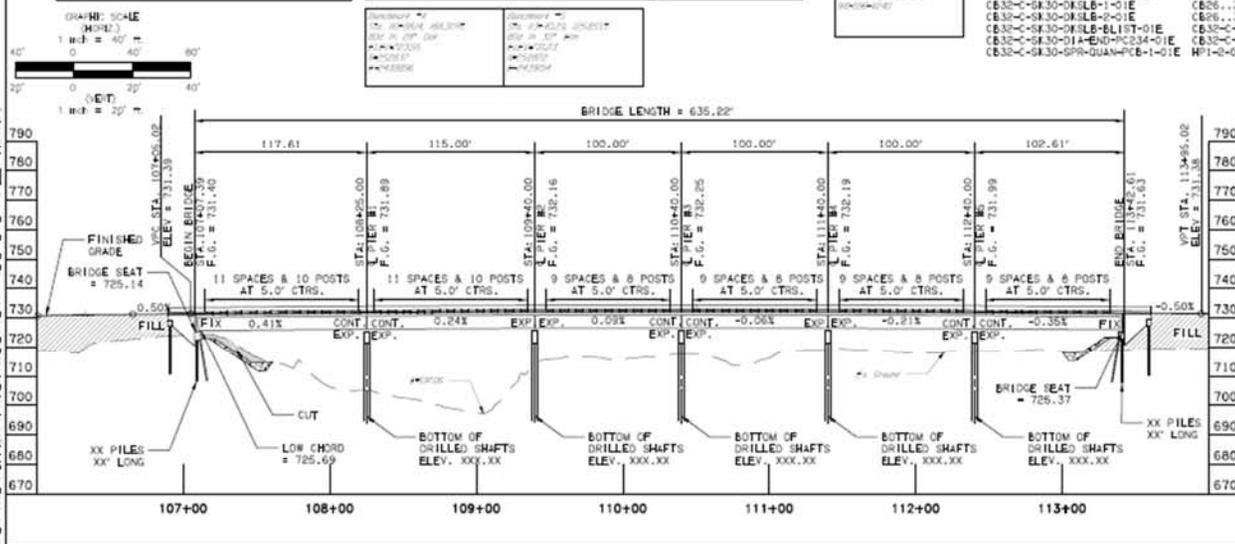
FACTORED PILE REACTION = TONS/PILE

ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH THE COMPACTED FILL. PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF THE ULTIMATE REQUIRED CAPACITY IS NOT OBTAINED AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE REQUIRED ULTIMATE PILE CAPACITY IS OBTAINED. THE LENGTH OF STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

PIERS (48" DIAMETER DRILLED SHAFTS)

FACTORED REACTION = TONS/PIER NO. 1 PIER NO. 2

NOMINAL UNIT BEARING RESISTANCE = T.S.F.
 BEARING RESISTANCE FACTOR = TONS/PIER
 FACTORED BEARING RESISTANCE = TONS/PIER
 NOMINAL UNIT FRICTION RESISTANCE = T.S.F.
 FRICTION RESISTANCE FACTOR = TONS/PIER
 FACTORED FRICTION RESISTANCE = TONS/PIER
 DEPTH OF ROCK NEGLECTED FOR FRICTION = FEET
 TOTAL FACTORED RESISTANCE = TONS/PIER



STATE OF OKLAHOMA

GENERAL PLAN & ELEVATION

CONSTRUCT 2'-110" & 4'-100" TYPE IV PC BEAM BRIDGE, 32'-0" CLEAR ROADWAY, 58.30' WITH TR-3 CONCRETE RAILS AND APPROACH SLABS.

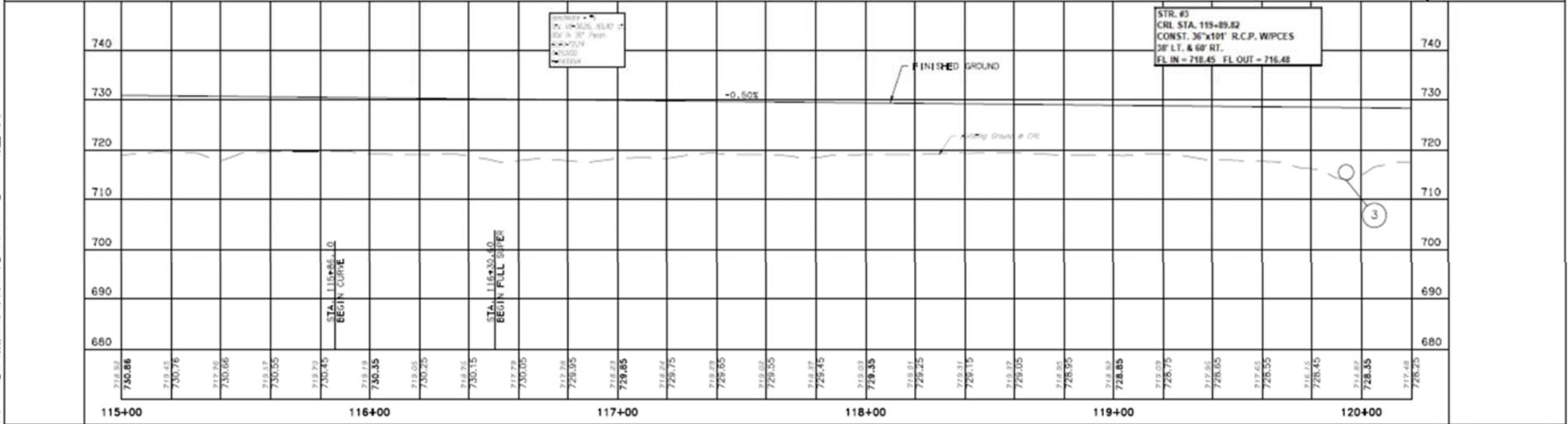
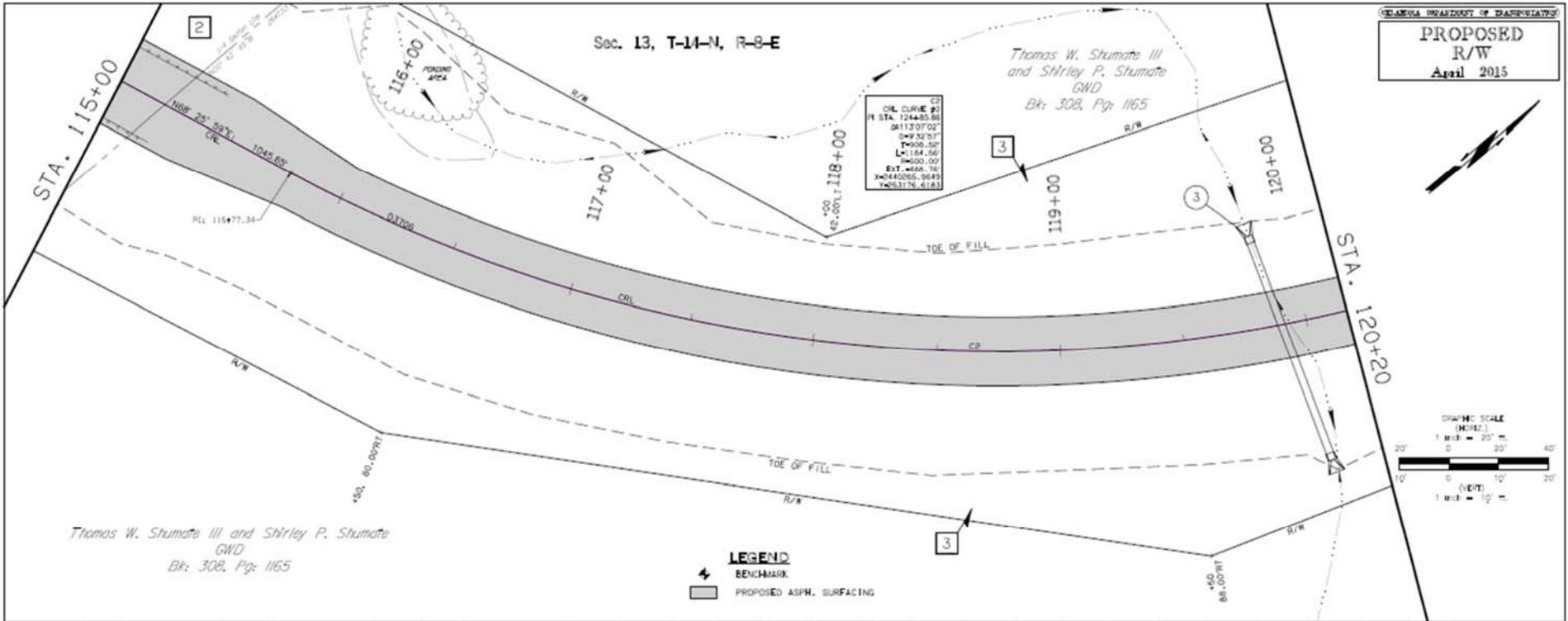
DATE: 04/15/15

BY: [Signature]

PROJECT NO. 28681(04)

SCALE: 1" = 20'

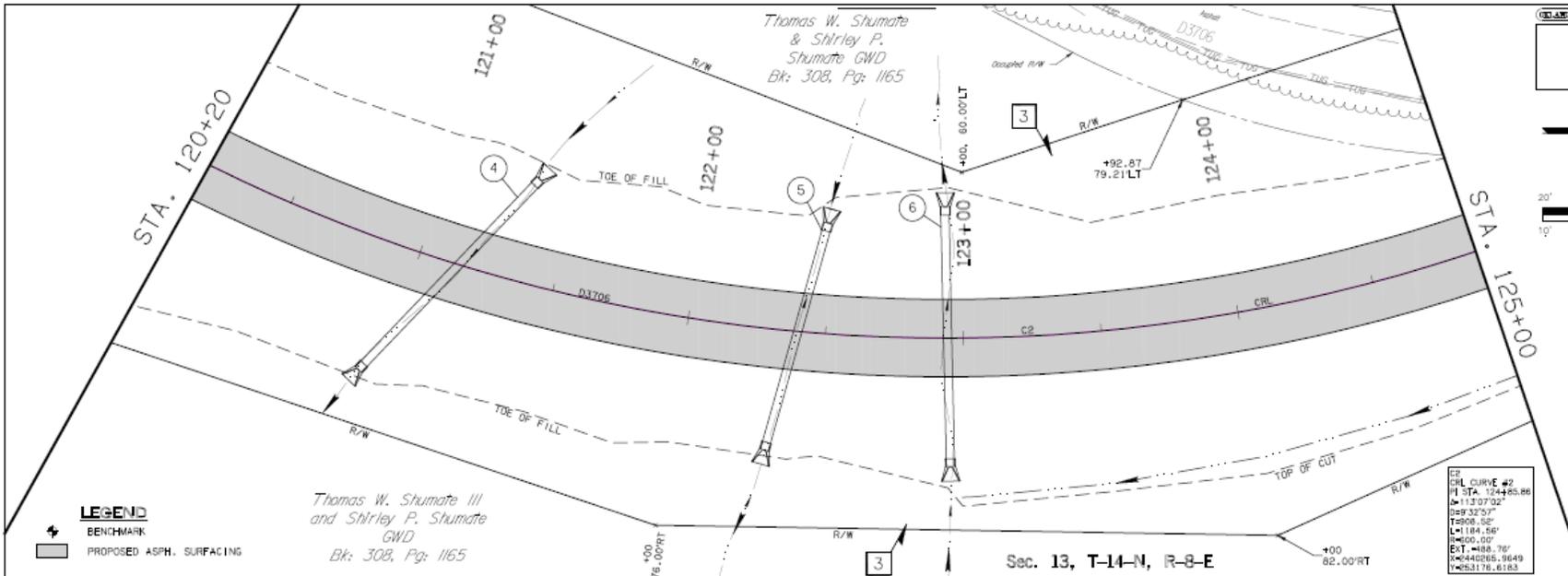
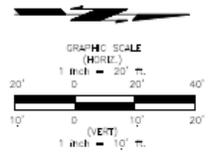
SWT-2016-125
 Bridge Construction Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 6 of 9



BL. 250 OVER THE "EED" POINT OF THE CANADIAN RIVER STATE JOB NO. 28681(04) SHEET NO. 10

SWT-2016-125
 Bridge Construction Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 7 of 9

PROPOSED
R/W
April 2015



CP
CRL CURVE #2
PI STA. 124+85.86
Δ=113°07'02"
DS=32.57'
T=900.00'
L=184.56'
E=500.00'
EXT.=488.76'
K=440265.9849
Δ=85.176-8183

LEGEND
BENCHMARK
PROPOSED ASPH. SURFACING

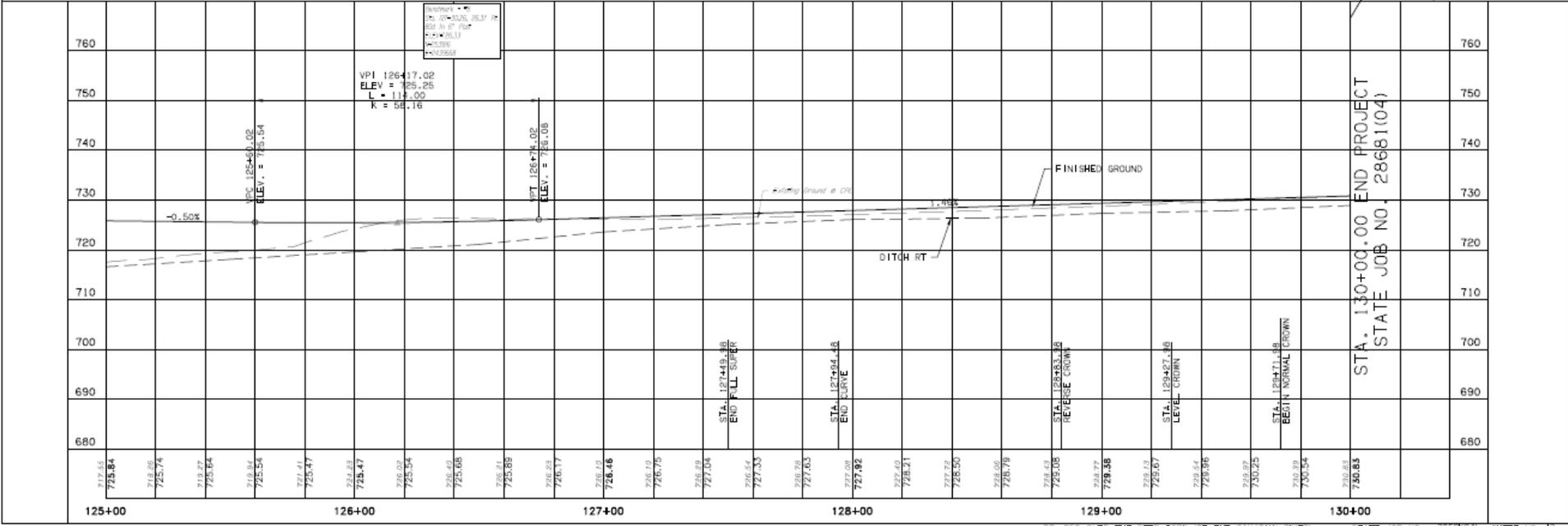
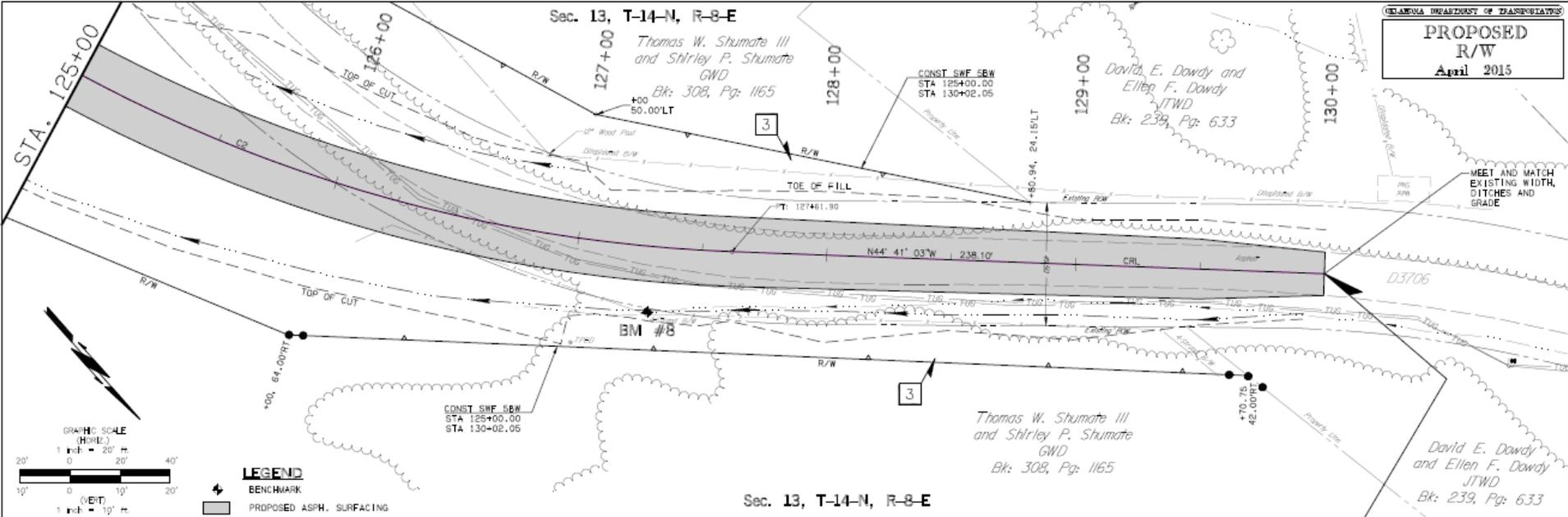
760				STR. #4 CRL STA. 121+15.06 CONST.36"x100' R.C.P. WIPCES 42' LT. & 41' RT. FL IN = 718.00 FL OUT = 716.14	STR. #5 CRL STA. 122+39.96 CONST.36"x90' R.C.P. WIPCES 41' LT. & 41' RT. FL IN = 717.32 FL OUT = 716.56	STR. #6 CRL STA. 122+94.34 CONST.36"x104' R.C.P. WIPCES 46' LT. & 50' RT. FL IN = 714.30 FL OUT = 713.21		760																																		
750								750																																		
740								740																																		
730								730																																		
720								720																																		
710								710																																		
700								700																																		
690								690																																		
680								680																																		
	728.25	717.88	728.15	718.97	728.05	718.91	727.95	719.59	727.84	719.16	727.74	718.91	727.64	718.99	727.54	718.60	727.44	718.98	726.94	718.51	726.84	718.74	726.74	718.57	726.64	718.09	726.54	718.09	726.44	717.69	726.34	718.01	726.24	717.99	726.14	717.87	726.04	717.85	725.94	717.85	725.84	
	121+00				122+00				123+00				124+00																													

T:\Bridges\111128\2015_10\40155.dwg
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SWT-2016-125
 Bridge Construction
 Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 8 of 9

BL. 250 OVER THE DEEP FORK OF THE CANADIAN RIVER

OKLAHOMA DEPARTMENT OF TRANSPORTATION
PROPOSED R/W
 April 2015



STA. 130+00.00 END PROJECT
 STATE JOB NO. 28681(04)

SWT-2016-125
 Bridge Construction
 Project
 Job Piece 28681(04)
 Deep Fork River
 Creek County, Oklahoma
 Enclosure 9 of 9