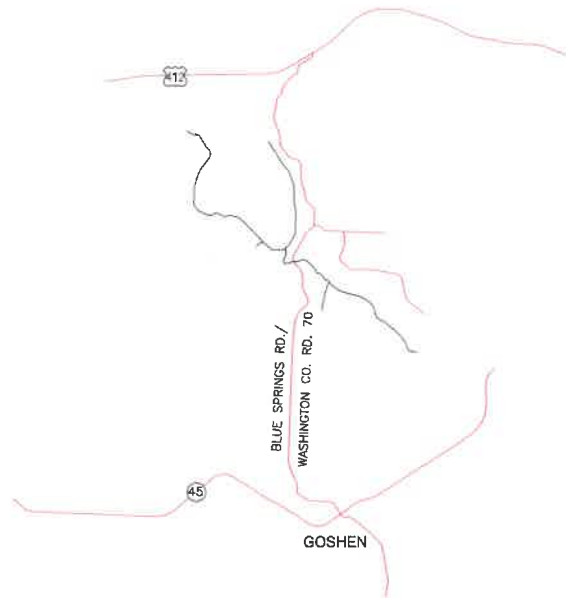
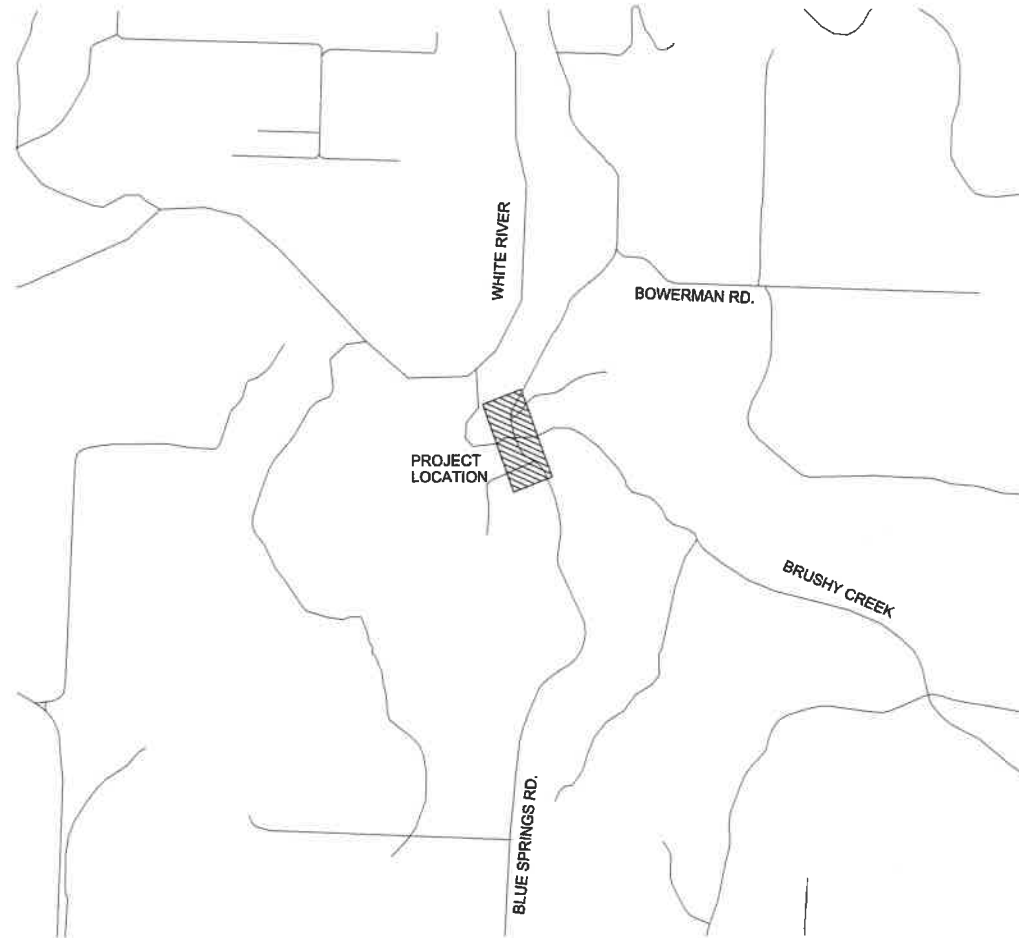


BLUE SPRINGS ROAD BRIDGE RENOVATIONS

SECTION 33, TOWNSHIP 18 NORTH, RANGE 31 WEST
 WASHINGTON COUNTY, ARKANSAS
 LATITUDE 36°11'56.33"N LONGITUDE 94°17'30.99"W



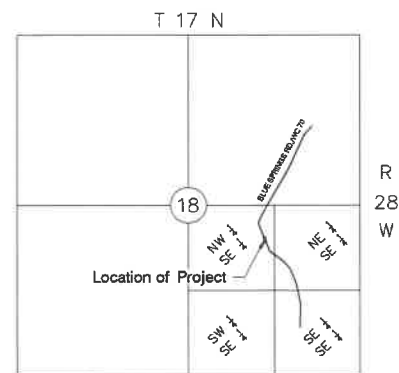
VICINITY MAP
SCALE N.T.S.



PROJECT LOCATION
SCALE N.T.S.



STATE MAP
SCALE N.T.S.



Section Map
N.T.S.

WASHINGTON COUNTY ROAD DEPARTMENT
 2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS

1 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

Ian McCune

DRAFTING SERVICES
 895 CROSSLANES RD. CLINTON, OK 74561
 OFFICE 918-469-3155 - MOBILE 918-287-7133
 EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	N/A N/A
BLUE SPRINGS ROAD BRIDGE COVER SHEET	



WASHINGTON COUNTY
 ROAD DEPARTMENT
 BLUE SPRINGS ROAD
 BRIDGE
 RENOVATIONS

GENERAL NOTES:

ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.

1. CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION . AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS; HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. SOME UTILITIES MAY HAVE BEEN RELOCATED SINCE THE TIME OF DESIGN AND THE CONTRACTOR'S NOTICE TO PROCEED. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998 OR 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE, AND ARE THE LOCATIONS AT THE TIME OF DESIGN.
2. BASIS OF SURVEY NAD 83 (2011) DATUM, ARKANSAS NORTH ZONE, AND VERTICAL DATUM OF NGVD 88.
3. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
4. ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
5. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
7. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
8. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS UTILE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FENCE TO CONTROL LIVESTOCK IN AREAS WHERE PASTURES ARE SEVERED. WIRE FENCE MAY BE CONSTRUCTED INITIALLY, OR IN LIEU THEREOF, THE CONTRACTOR AT HIS OWN EXPENSE, MAY ELECT TO PROVIDE TEMPORARY FENCING SUITABLE TO CONTAIN LIVESTOCK.
10. THE TOPSOIL AND SEEDING QUANTITY IN THE PLANS INCLUDES THE UTILITY EASEMENT ADJACENT TO THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO TOPSOIL AND SEED ALL OTHER DISTURBED AREAS AT NO ADDITIONAL COMPENSATION.

CONSTRUCTION SPECIFICATIONS: ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (L003 EDITION) AND APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS. SECTION AND SUBSECTION REFER TO STANDARD CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE NOTES IN THE PLANS.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION WITH CURRENT INTERMS.

LIVE LOADING: HS-20 METHOD OF DESIGN:LFD

SEISMIC PERFORMANCE CATEGORY: A

MATERIAL AND STRENGTHS:

CLASS 5 CONCRETE fc=3,500 PSI
 REINFORCING STEEL (AASHTO M 31 OR M 53, GR. 60) fy=60,000PSI

FOUNDATIONS: FOOTINGS SHALL BE FOUNDED A MINIMUM OF 1'-0" INTO THE MATERIAL DESIGNATED AS LIMESTONE. PRIOR TO POURING CONCRETE ALLOWABLE BEARING PRESSURE SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER.

PROTECTIVE SURFACE TREATMENT: CLASS 1 PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ROADWAY SURFACE AND TO THE TOP AND FACE OF CONCRETE PARAPET RAIL.

BRIDGE DECK: THE CONCRETE BRIDGE DECK SHALL BE GIVEN A TINE FINISH AS SPECIFIED FOR FINAL FINISHING IN SUBSECTION 802.19 FOR CLASS 5 TINED BRIDGE ROADWAY.

INDEX OF SHEETS

SHEET No.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	VICINITY MAP
4.	ROADWAY TYPICAL SECTION
5.	PLAN AND PROFILE
6.	BRIDGE PLAN LAYOUT
7.	BRIDGE PLAN AND ELEVATION
8.	NEW BRIDGE SPAN DETAILS
9.	H-PILES AND CAP DETAILS
10.	SHEET PILE DETAILS
11.	TRANSVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)
12.	STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES
13.	U-CHANNEL POST ASSEMBLIES
14.	GUARD RAIL DETAILS
15.	TEMPORARY EROSION CONTROL DEVICES
16.	SWMP1
17.	SWMP2
18.	DISTURBANCE AREAS

TYPICAL LEGEND ITEMS

— E — E — Electric Line	— — — — — Section Line/County Line	☒ Telephone Box
— SS — SS — Sewer Line	— x — x — Fence Line	☒ Electric Box
— T — T — Telephone Line	— R/W — Right-of-Way Line	⊕ Firehydrant
— G — G — Gas Line	— — — — — Center Line	GMΔ Gas Meter
— W — W — Water Line	— — — — — Guard Rail	⊕ Light Pole
		⊗ Power Pole
		⊗ Sewer Manhole
		⊗ Water Meter
		⊗ Water Spigot
		⊗ Water Valve
		● Control Point/Bench Mark



BEFORE YOU DIG...
1-800-482-8998 OR 811

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

2 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

Ian McCune

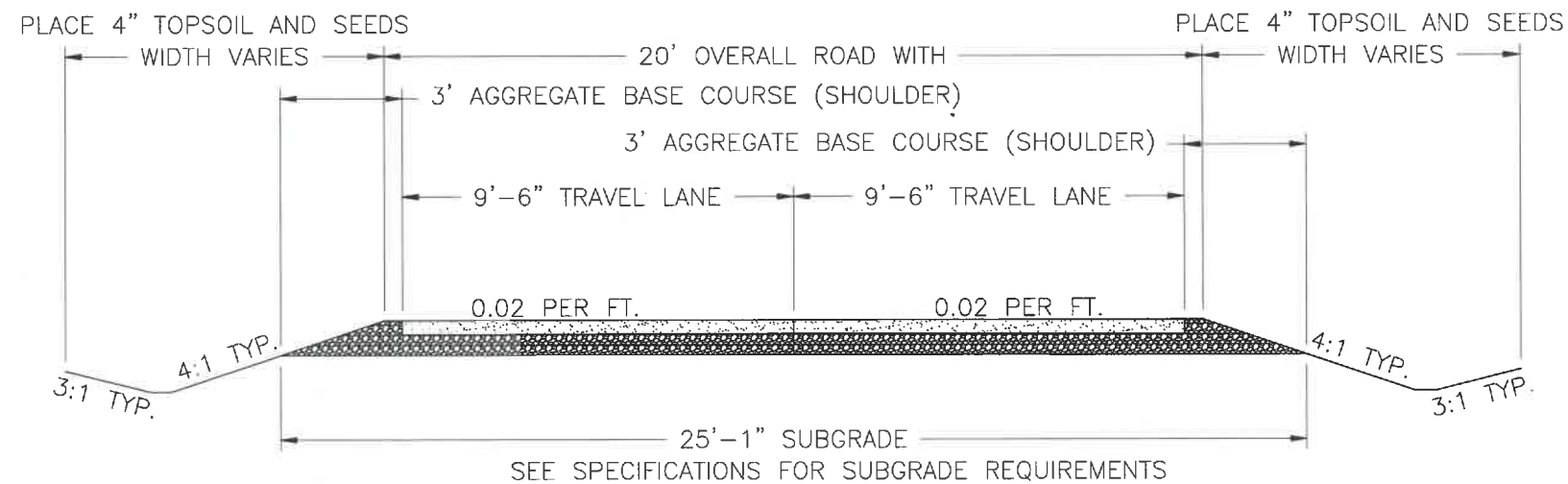
DRAFTING SERVICES
695 CROSSLANES RD. CLINTON, OK 74561
OFFICE 918-469-3135 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	N/A N/A
BLUE SPRINGS ROAD BRIDGE GENERAL NOTES	



WASHINGTON COUNTY
ROAD DEPARTMENT

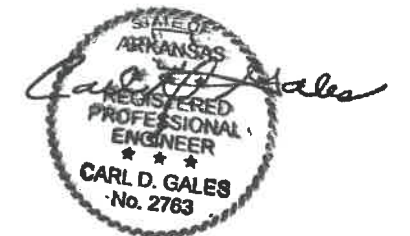
BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS



TYPICAL SECTIONS GENERAL NOTES:

- REFER TO THE CROSS SECTIONS FOR THE DEVIATIONS FROM THE NORMAL SLOPE. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.
- THE FINAL LIFT OF THE SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT THE LANE LINES.
- THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.
- IT IS INTENDED THAT THE SUBGRADE SHALL BE FINISHED IN CONFORMITY WITH THE LINES, GRADES, AND CROSS SECTIONS SHOWN ON THE PLANS. HOWEVER, A TOLERANCE OF PLUS OR MINUS ONE-TENTH FOOT WILL BE ALLOWED.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE TO THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

TYPICAL ROADWAY SECTION
 BLUE SPRINGS ROAD/ WASHINGTON COUNTY
 ROAD 70
 SCALE: 6" = 1'-0"



BEFORE YOU DIG...
 1-800-482-8998
 OR 811

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

4 of 18
 SHEET NO.

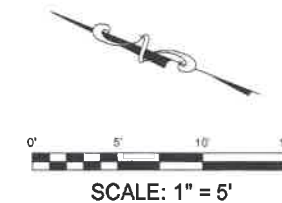
NO.	REVISION	DATE	BY

Ian McCune
 DRAFTING SERVICES
 695 CROSSLANES RD. CLINTON, OK 74561
 OFFICE 918-469-3135 - MOBILE 918-287-7113
 EMAIL IAN.MCCUNE@GMAIL.COM

DRAWN BY: JPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: 8" = 1'-0"	VERTICAL SCALE: N/A
BLUE SPRINGS ROAD BRIDGE ROADWAY TYPICAL SECTION	



WASHINGTON COUNTY
 ROAD DEPARTMENT
 BLUE SPRINGS ROAD
 BRIDGE
 RENOVATIONS



0+35.9 BEGIN PROJECT

0+44.4 BEGIN CONC. APPROACH APRON

0+64.4 BEGIN BRIDGE CAP CONC. SUPPORT, END SHEET PILING 22.1' LT., BEG. BRIDGE DECK

0+66.1 CENTER OF 8" H PILE 0.5' RT., CENTER OF 8" H PILE 4.3' LT., CENTER OF 8" H PILE 5.3' RT., CENTER OF 8" H PILE 9.1' LT., CENTER OF 8" H PILE 10.1' RT., CENTER OF 8" H PILE 13.9' LT.

0+70.1 END BRIDGE CAP CONC. SUPPORT, END SHEET PILING 22.1' LT., BEG. BRIDGE DECK

0+81.9 CENTERLINE BRUSH CREEK

0+92.3 EDGE OF SHEET PILING

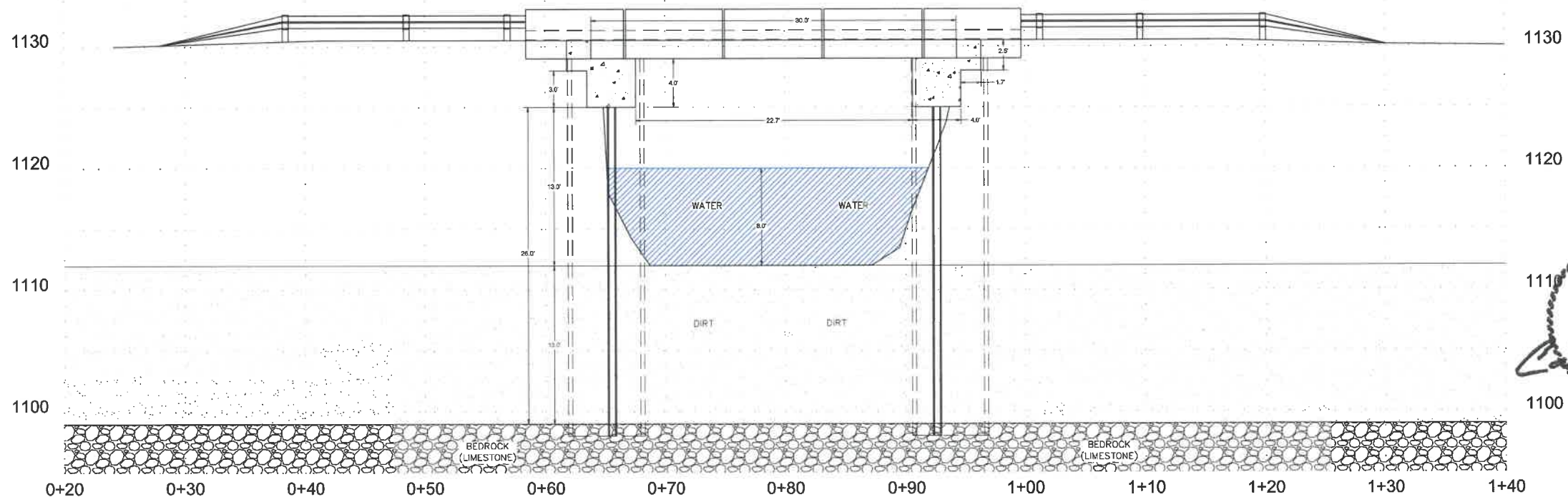
0+92.7 END BRIDGE CAP CONC. SUPPORT, END SHEET PILING 0.5' RT., CENTER OF 8" H PILE 4.3' LT., CENTER OF 8" H PILE 5.3' RT., CENTER OF 8" H PILE 9.1' LT., CENTER OF 8" H PILE 10.1' RT.

0+96.4 BEGIN BRIDGE CAP CONC. SUPPORT, END SHEET PILING 22.1' LT., BEG. BRIDGE DECK

0+98.4 END BRIDGE CAP CONC. SUPPORT, END SHEET PILING 22.1' LT., BEG. BRIDGE DECK

1+18.3 BEGIN CONC. APPROACH APRON

1+27.8 END PROJECT



HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 5'

5 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

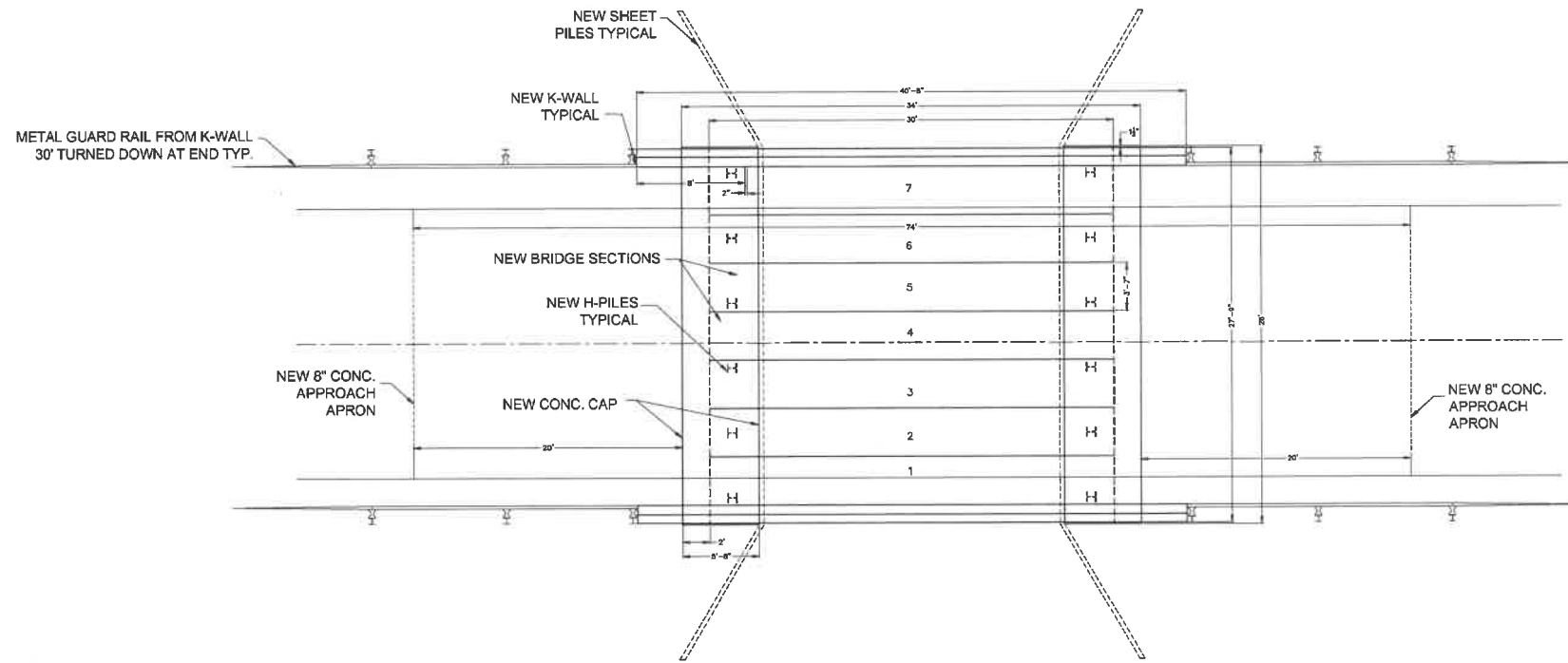
Ian McCune
DRAFTING SERVICES
895 CROSSLANES RD. QUINCY, OK 74561
OFFICE 918-469-3135 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM
DATE PREPARED: AUGUST 10, 2017
CHECKED BY: .
DATE CHECKED: .
FIELD SURVEY: .
DATE LAST SITE VISIT: .
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 5'
BRUSHY CREEK ROAD BRIDGE PLAN AND PROFILE

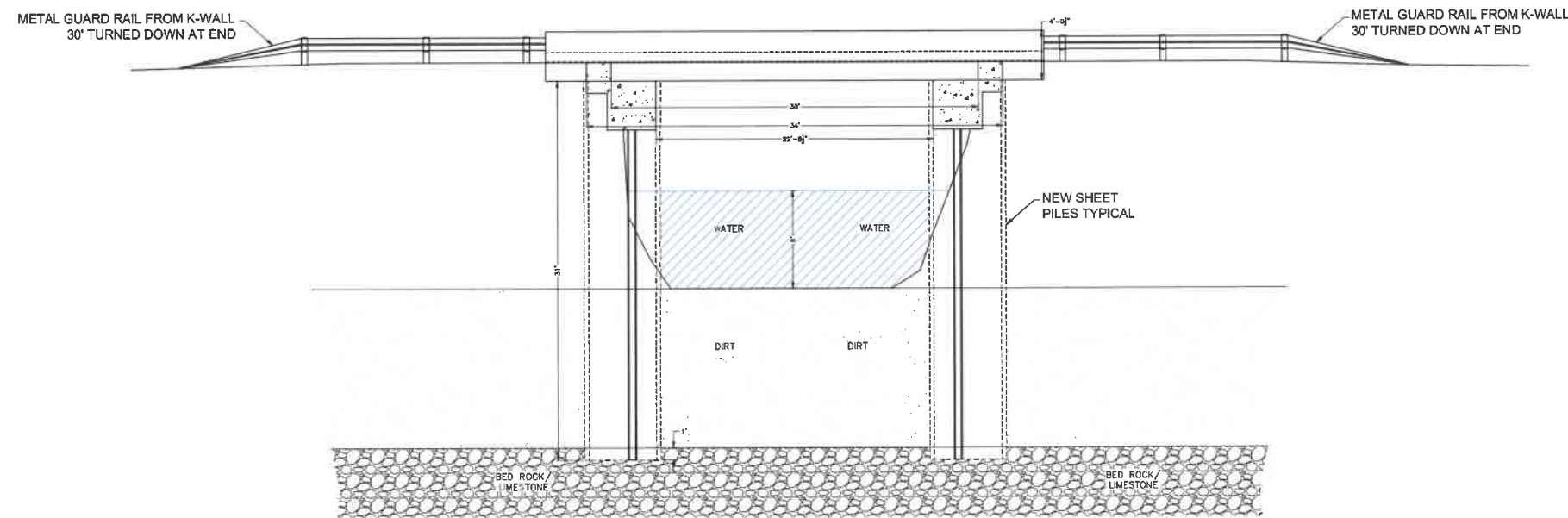


WASHINGTON COUNTY
ROAD DEPARTMENT

BLUE SPRING ROAD
BRIDGE
RENOVATIONS



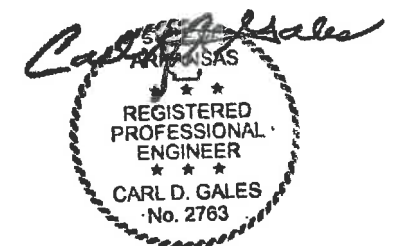
PLAN
SCALE 2" = 1'



ELEVATION
SCALE 2" = 1'

GENERAL NOTES:

- REMOVE EXISTING CULVERT AND REPLACE WITH NEW BRIDGE (NOT SHOWN ON THIS PLAN)
- ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
- ALL STRUCTURAL STEEL SHALL BE SAND BLASTED AND PAINTED IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
- ALL SPALL CONCRETE AREAS SHALL BE
- ALL DEFECTED CONCRETE SHALL BE REPAIRED IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.



7 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

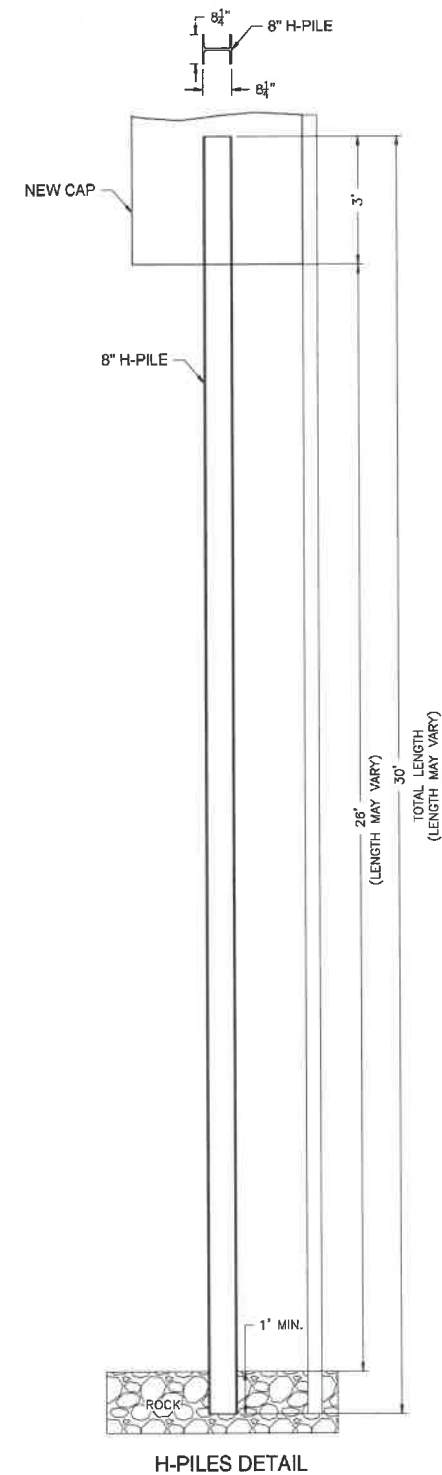
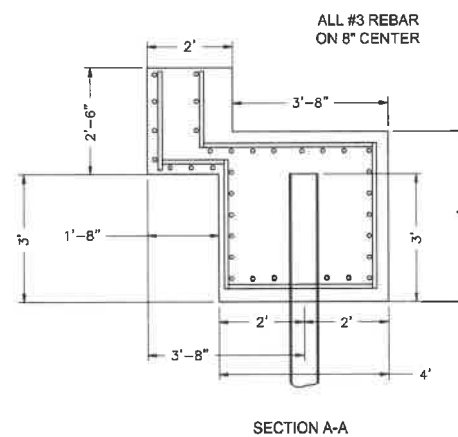
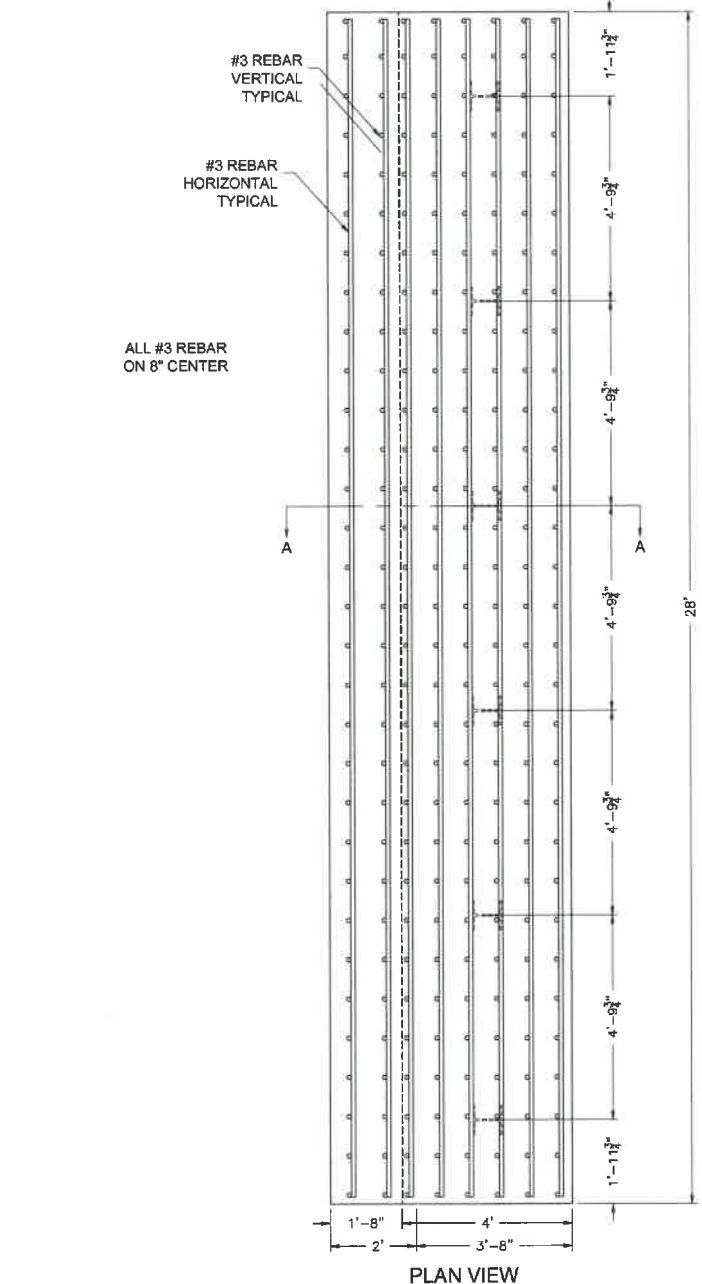
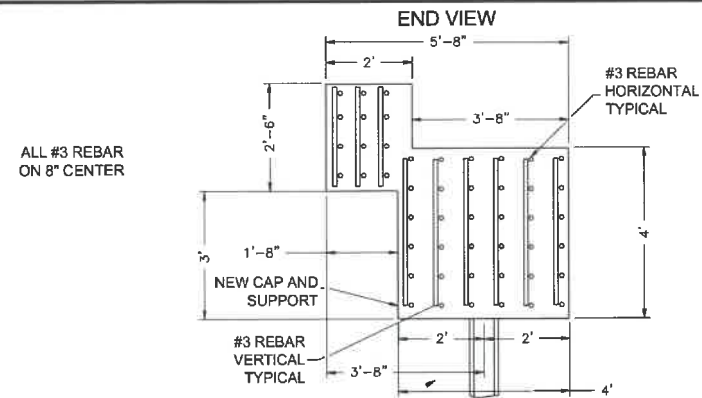
Ian McCune
DRAFTING SERVICES
695 CROSSLANES RD. CLINTON, OK 74561
OFFICE 918-469-3135 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	3" = 1' N/A
BLUE SPRINGS ROAD BRIDGE PLAN AND ELEVATION	



WASHINGTON COUNTY
ROAD DEPARTMENT

BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS



GENERAL NOTES:

ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.

ALL STRUCTURAL STEEL SHALL BE SAND BLASTED AND PAINTED IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.

ALL DEFECTED CONCRETE SHALL BE REPAIRED IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.

ALL CONCRETE BE CLASS 'S' WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH $f_c = 8,500$ psi. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M53, GRADE 60 (YIELD STRENGTH $f_y = 60,000$ psi).

FOR ADDITIONAL INFORMATION SEE BRIDGE LAYOUT

FOUNDATIONS: FOOTINGS SHALL BE FOUNDED A MINIMUM OF 1'-0" INTO THE MATERIAL DESIGNATED AS LIMESTONE. LENGTH OF SUPPORTS/ABUTMENTS COULD CHANGE DUE TO THE DEPTH OF BEDROCK (LIMESTONE).

ALL #3 REBAR ON 8" CENTERS.

H-PILES AND CAP DETAIL
SCALE 6" = 1'

9 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

Ian McCune
DRAFTING SERVICES
695 CROSSLANES RD. CLINTON, OK 74551
OFFICE 918-469-3135 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE09@GMAIL.COM

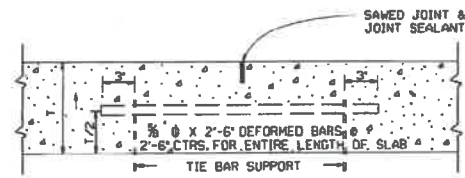
DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	6" = 1' N/A
BLUE SPRINGS ROAD BRIDGE H-PILE AND CAP	



WASHINGTON COUNTY
ROAD DEPARTMENT

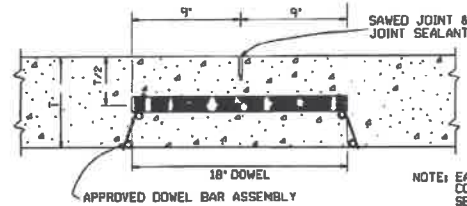
BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS





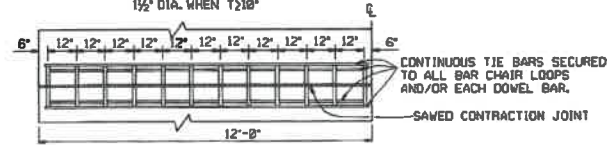
LONGITUDINAL JOINT

NOTE: THE TIE BAR SUPPORT SHOWN ABOVE MAY BE ELIMINATED IF OTHER APPROVED METHODS FOR PLACING AND SUPPORTING THE TIE BARS ARE PROVIDED. TIE BARS SHALL BE 15' FROM TRANSVERSE JOINTS.



ROUND STEEL BAR DOWEL
1 1/4" DIA. WHEN T<10'
1 1/2" DIA. WHEN T>10'

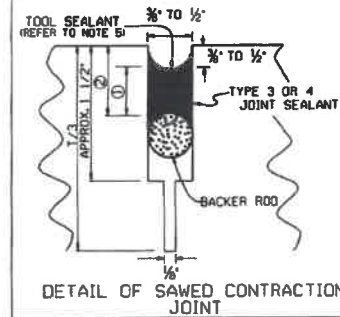
NOTE: EACH DOWEL TO BE COATED ACCORDING TO SECTION 502 OF THE STANDARD SPECIFICATIONS.



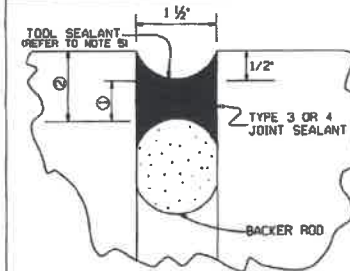
ONE-HALF 24' PAVEMENT
12 DOWELS
PLAN

NOTE: FOR 20' PAVEMENT USE 20 DOWELS @ 12' CTRS. WITH 6" SPACING FROM C.L. AND EDGE OF SLAB TO FIRST BAR. FOR 15' PAVEMENT USE 15 DOWELS @ 12' CTRS. WITH 6" SPACING FROM C.L. AND EDGE OF SLAB TO FIRST BAR. FOR 26' PAVEMENT USE 26 DOWELS @ 12' CTRS. WITH 6" SPACING FROM C.L. AND EDGE OF SLAB TO FIRST BAR. FOR PAVEMENT WIDTHS OTHER THAN THOSE SHOWN ABOVE, USE DOWELS AT 12' CTRS. WITH 6" MAX. SPACING FROM C.L. TO FIRST BAR. DISTANCE FROM EDGE OF SLAB TO FIRST BAR SHALL BE ADJUSTED TO MAINTAIN 12" DOWEL BAR SPACING.

CONTRACTION JOINT DETAILS



DETAIL OF SAWED CONTRACTION JOINT



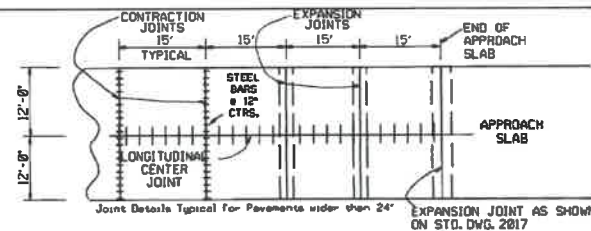
DETAIL OF EXPANSION JOINT

JOINT CONFIGURATION FOR TYPE 3 OR 4 JOINT SEALANT

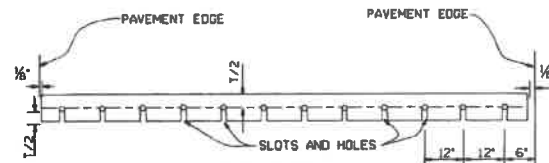
JOINT WIDTH	SEALANT THICKNESS (1)	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH (2)
1/2"	1/2"	3/8"	1/2"
3/4"	3/4"	1/2"	3/4"
1"	1"	5/8"	1"
1 1/4"	1 1/4"	3/4"	1 1/4"
1 1/2"	1 1/2"	7/8"	1 1/2"
1 3/4"	1 3/4"	1"	1 3/4"
2"	2"	1 1/8"	2"
2 1/2"	2 1/2"	1 1/4"	2 1/2"
3"	3"	1 1/2"	3"
3 1/2"	3 1/2"	1 3/8"	3 1/2"
4"	4"	1 1/2"	4"
4 1/2"	4 1/2"	1 3/4"	4 1/2"
5"	5"	1 3/4"	5"
5 1/2"	5 1/2"	1 3/4"	5 1/2"
6"	6"	1 3/4"	6"
6 1/2"	6 1/2"	1 3/4"	6 1/2"
7"	7"	1 3/4"	7"
7 1/2"	7 1/2"	1 3/4"	7 1/2"
8"	8"	1 3/4"	8"
8 1/2"	8 1/2"	1 3/4"	8 1/2"
9"	9"	1 3/4"	9"
9 1/2"	9 1/2"	1 3/4"	9 1/2"
10"	10"	1 3/4"	10"
10 1/2"	10 1/2"	1 3/4"	10 1/2"
11"	11"	1 3/4"	11"
11 1/2"	11 1/2"	1 3/4"	11 1/2"
12"	12"	1 3/4"	12"

JOINT CONFIGURATION FOR TYPE 5 JOINT SEALANT

JOINT WIDTH	SEALANT THICKNESS (1)	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH (2)
1/2"	1/2"	3/8"	1/2"
3/4"	3/4"	1/2"	3/4"
1"	1"	5/8"	1"
1 1/4"	1 1/4"	3/4"	1 1/4"
1 1/2"	1 1/2"	7/8"	1 1/2"
1 3/4"	1 3/4"	1"	1 3/4"
2"	2"	1 1/8"	2"
2 1/2"	2 1/2"	1 1/4"	2 1/2"
3"	3"	1 1/2"	3"
3 1/2"	3 1/2"	1 3/8"	3 1/2"
4"	4"	1 1/2"	4"
4 1/2"	4 1/2"	1 3/4"	4 1/2"
5"	5"	1 3/4"	5"
5 1/2"	5 1/2"	1 3/4"	5 1/2"
6"	6"	1 3/4"	6"
6 1/2"	6 1/2"	1 3/4"	6 1/2"
7"	7"	1 3/4"	7"
7 1/2"	7 1/2"	1 3/4"	7 1/2"
8"	8"	1 3/4"	8"
8 1/2"	8 1/2"	1 3/4"	8 1/2"
9"	9"	1 3/4"	9"
9 1/2"	9 1/2"	1 3/4"	9 1/2"
10"	10"	1 3/4"	10"
10 1/2"	10 1/2"	1 3/4"	10 1/2"
11"	11"	1 3/4"	11"
11 1/2"	11 1/2"	1 3/4"	11 1/2"
12"	12"	1 3/4"	12"

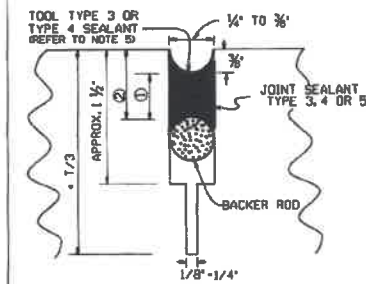


PLAN SHOWING EXPANSION JOINTS AT BRIDGE APPROACH SLABS



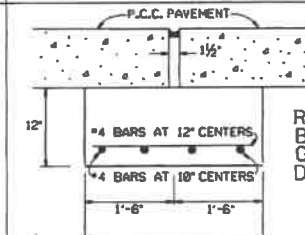
ELEVATION

NOTE: ALL DOWEL BARS SHALL CONFORM TO THE DETAILS FOR CONTRACTION JOINTS.



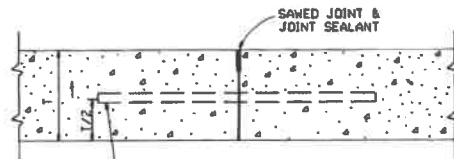
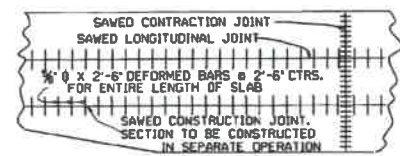
DETAIL OF SAWED LONGITUDINAL JOINT AND LONGITUDINAL CONSTRUCTION JOINT

NOTE: T/3 SAW CUT NOT REQUIRED FOR LONGITUDINAL CONSTRUCTION JOINT.

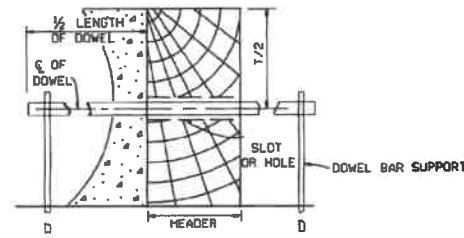


DETAIL OF JOINT SUPPORT FOR EXPANSION JOINTS

REINFORCING SHALL BE GRADE 40 OR GRADE 60 DEFORMED BARS.



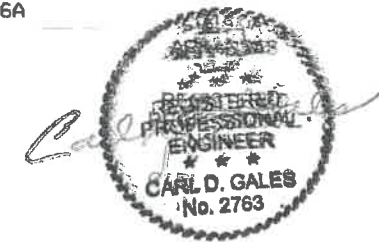
5/8" Ø x 2'-6" DEFORMED BARS @ 2'-6" CTRS. FOR ENTIRE LENGTH OF SLAB
NOTE: TIE BARS SHALL BE 15' FROM TRANSVERSE JOINTS. LONGITUDINAL CONSTRUCTION JOINT



SECTION
TRANSVERSE CONSTRUCTION JOINT

- GENERAL NOTES
1. "T" DENOTES THICKNESS OF SLAB.
 2. DOWEL BARS SHALL BE PLACED IN ACCORDANCE WITH THE DIMENSIONS SHOWN. A TOLERANCE OF PLUS OR MINUS ONE INCH WILL BE ALLOWED FOR THE VERTICAL AND LATERAL PLACEMENT AND A TOLERANCE OF PLUS OR MINUS 1/4" WILL BE ALLOWED FOR THE TILT AND SKEW. DOWEL BARS SHALL BE FIELD COATED FOR A MINIMUM DISTANCE OF 2' GREATER THAN HALF THE LENGTH OF THE BAR WITH AN APPROVED GREASE AS A BOND BREAKER JUST PRIOR TO PLACEMENT OF CONCRETE.
 3. THE EXPANSION JOINT SUPPORT MAY BE CONSTRUCTED WITH CLASS "W," "S" OR PAVING CONCRETE. PAYMENT FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE CLASS OF CONCRETE SPECIFIED IN THE PLANS. PAYMENT FOR ALL OTHER WORK AND MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE JOINT SUPPORT SHALL BE INCLUDED IN THE PRICE BID FOR THE ABOVE ITEMS.
 4. CONTRACTION JOINTS SHALL BE CONSTRUCTED ON 15' CENTERS.
 5. TOOLING NOT REQUIRED FOR SELF-LEVELING SILICONE.
 6. UNLESS OTHERWISE SPECIFIED IN THE PLANS, CONCRETE SHOULDERS SHALL BE CONSTRUCTED ACCORDING TO THE DETAILS SHOWN HEREON.
 7. TIE WIRES IN DOWEL BAR ASSEMBLIES SHALL NOT BE CUT PRIOR TO PLACEMENT OF PAVING CONCRETE.

ARKANSAS STATE HIGHWAY COMMISSION
TRANSVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)
STANDARD DRAWING CPTJ - 6A








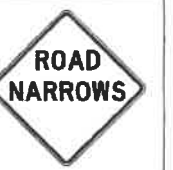

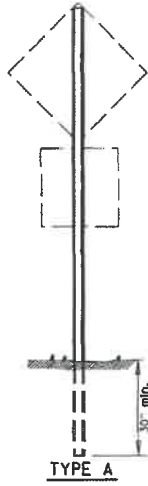





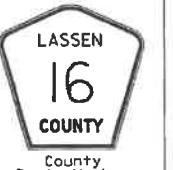









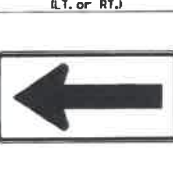


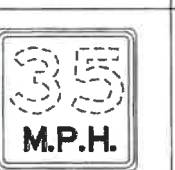
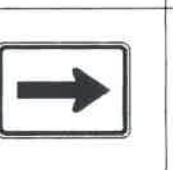
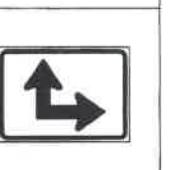




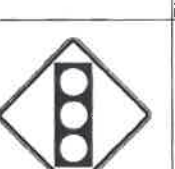
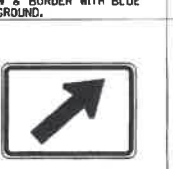



NO.	REVISION	DATE	BY

Ian McCune
DRAFTING SERVICES
695 CROSSLANES RD. QUINCY, OK 74561
OFFICE 918-469-3155 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	N/A N/A
BLUE SPRINGS ROAD BRIDGE TRANSVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)	



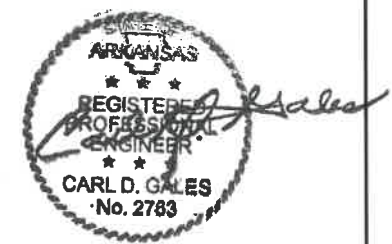
WASHINGTON COUNTY
ROAD DEPARTMENT
BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS

 RI-1 30"x30"	 WI-3 30"x30" (L.T. OR RT.)	 WI-8 18"x24"	 W2-5 30"x30"	 W3-1 36"x36"	 W5-1 36"x36"	 M6-3 21"x15"	 <p>MINIMUM DIMENSIONS SHOWN SUPPORT SECTION</p> <p>L202" 2 LB/FT L260" 3 LB/FT L407" 2 LB/FT L507" 3 LB/FT</p> <p>3.25" 2 LB/FT 3.875" 3 LB/FT</p> <p>(U-CHANNEL) STANDARD SUPPORT ASSEMBLIES</p> <p>TYPE A</p> <p>NOTE: LENGTH OF SIGN POSTS SHALL BE DETERMINED SO AS TO PROVIDE FOR MINIMUM VERTICAL CLEARANCES AS CALLED FOR IN THE SPECIFICATIONS PLUS A MINIMUM VERTICAL PENETRATION OF 30" IN THE SOIL.</p>
 RI-2 36"x36"x36"	 WI-4 30"x30" (L.T. OR RT.)	 W2-1 30"x30"	 SI-1 36"x36"	 W3-2 36"x36"	 LASSEN 16 COUNTY County Route Marker MI-6 24"x24"	 M6-4 21"x15"	
 R2-1 24"x30"	 WI-5 30"x30" (L.T. OR RT.)	 W2-2 30"x30"	 W5-2 36"x36"	 W8-3 36"x36"	<p>NOTE: REFLECTORIZED YELLOW LEGEND (COUNTY NAME, ROUTE LETTER & NUMBER) & BORDER ON A BLUE BACKGROUND.</p>  RI-3P 18"x18"	 M6-5 21"x15"	
 WI-1 30"x30" (L.T. OR RT.)	 WI-6 48"x24"	 W2-3 30"x30" (L.T. OR RT.)	 W5-3 36"x36"	 W13-1P 18"x18"	 M6-1 21"x15"	 M6-6 21"x15"	
 WI-2 30"x30" (L.T. OR RT.)	 WI-7 48"x24"	 W2-4 30"x30"	 W10-1 36" DIAMETER	 W3-3 36"x36"	 M6-2 21"x15"	 S4-3P 24"x18"	
					 S4-2P 24"x10"	 DM-3 12"x36" (L.T. OR RT.)	

MINIMUM WEIGHT
TYPE A & B = 3 LBS./FT.
TYPE C = 2 LBS./FT.

SUPPORT ASSEMBLIES

ARKANSAS STATE HIGHWAY COMMISSION
STANDARD HIGHWAY SIGNS
AND SUPPORT ASSEMBLIES
STANDARD DRAWING SHS-1



12 OF 18 SHEET NO.				
	NO.	REVISION	DATE	BY

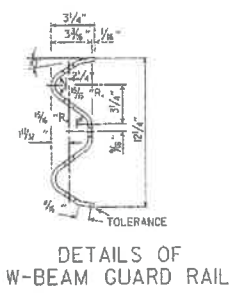
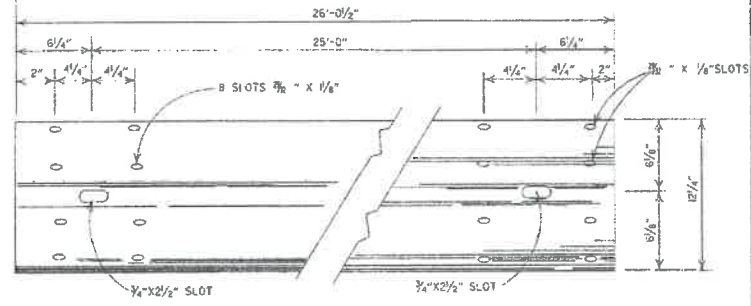
Ian McCune
DRAFTING SERVICES
595 CROSSLANES RD. CLINTON, OK 74563
OFFICE 918-469-3135 - MOBILE 918-287-7133
EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM
CHECKED BY:
FIELD SURVEY:
HORIZONTAL SCALE: N/A
VERTICAL SCALE: N/A
BLUE SPRINGS ROAD BRIDGE STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES

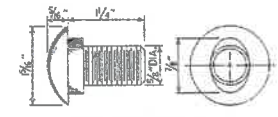
DATE PREPARED: AUGUST 10, 2017
DATE CHECKED:
DATE LAST SITE VISIT:
N/A
N/A



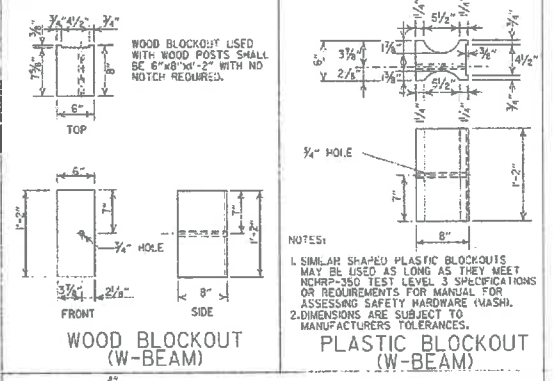
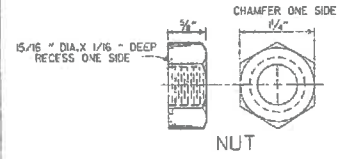
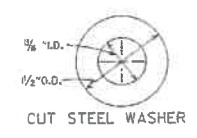
WASHINGTON COUNTY
ROAD DEPARTMENT
BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS



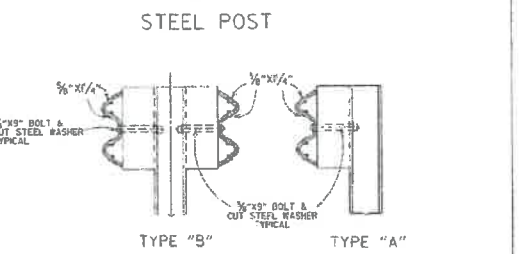
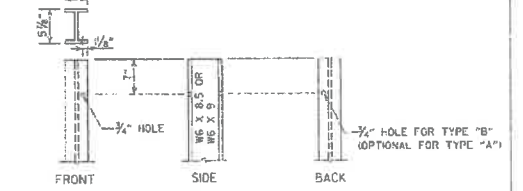
DETAILS OF W-BEAM GUARD RAIL
 SIMILAR SECTION OF CLOSELY SIMILAR DIMENSIONS AND COMPARABLE STRENGTH MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.



SPLICE BOLT
 POST BOLT - SAME EXCEPT LENGTH

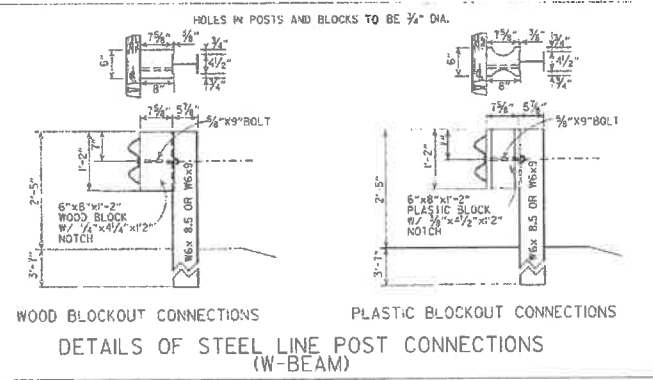


WOOD BLOCKOUT CONNECTIONS (W-BEAM)
 PLASTIC BLOCKOUT CONNECTIONS (W-BEAM)

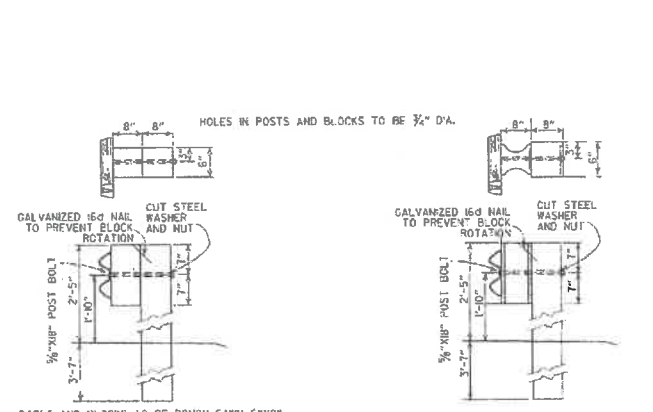


DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)

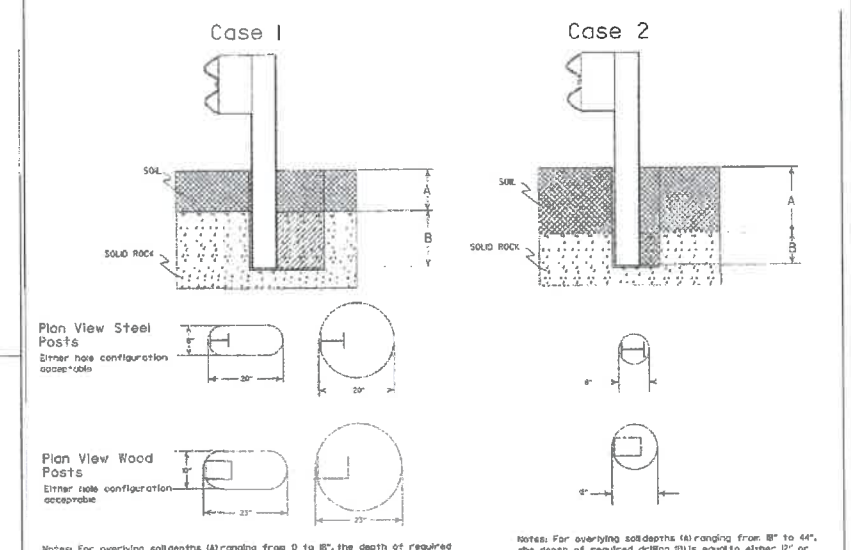
-GENERAL NOTES-
 ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN 1/4" BEYOND IT.
 WHERE W-BEAM GUARD RAIL CONTIGUOUS, THE INTERMEDIATE SECTIONS SHALL HAVE A POST SPACING OF 6'-3" UNLESS OTHERWISE NOTED.
 W-BEAM GUARD RAIL REPRESENTING INTERMEDIATE SECTIONS WILL BE MEASURED ALONG THE ROADWAY FACE FROM CENTERLINE OF POST TO CENTERLINE OF POST.
 USE W-BEAM GUARD RAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB. FOR EXTENSIONS OR MODIFICATION OF EXISTING GUARD RAIL, W-BEAM GUARD RAIL COMPONENTS OF THE SAME TYPE AS THOSE EXISTING SHALL BE USED.
 ANY BACKFILL UNDER OR AROUND POST SHALL BE DAMP SAND THOROUGHLY TAMPED IN PLACE.
 WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER S.P.F. (4000 F) OR NO. 1 (350 F) SOUTHERN PINE.
 CONTRACTOR SHALL HAVE THE OPTION OF USING WOOD BLOCKOUTS FOR W-BEAM GUARD RAIL OR PLASTIC BLOCKOUTS, AS LONG AS BLOCKOUT USED MEETS NCHRP-350 TEST LEVEL 3 SPECIFICATIONS OR REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) FOR W-BEAM GUARD RAIL.



WOOD BLOCKOUT CONNECTIONS
 PLASTIC BLOCKOUT CONNECTIONS
 DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)



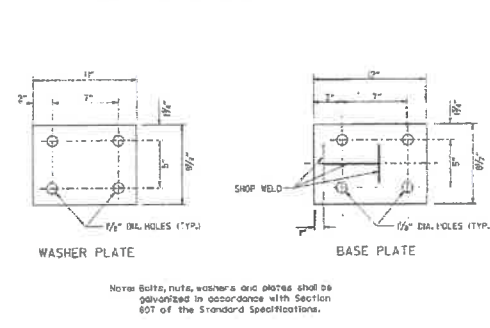
WOOD BLOCKOUT CONNECTIONS
 PLASTIC BLOCKOUT CONNECTIONS
 DETAILS OF WOOD LINE POST CONNECTIONS (W-BEAM)



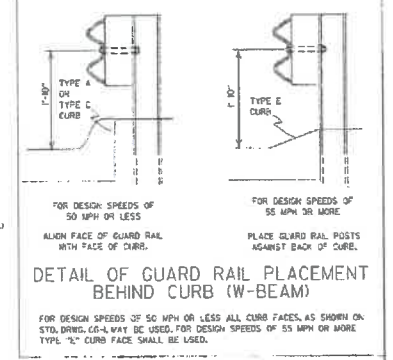
Case 1
 Case 2
 Plan View Steel Posts
 Plan View Wood Posts

Notes: For overlying soil depths (A) ranging from 0 to 8", the depth of required grouting (B) is equal to 24".
 Zone A: Backfill according to Section 61.03(a).
 Zone B: Backfill hole in 6" pipe with mortar meeting the requirements of Section 602.02(c) - alternate gradation. Compact to 95% maximum dry density per ASTM D-698.
 Zone A & B: Backfill according to Section 61.03(a).

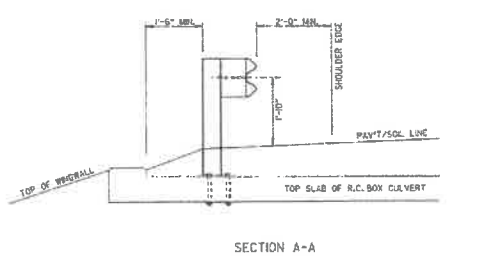
DETAIL OF POST PLACEMENT IN SOLID ROCK (W-BEAM)



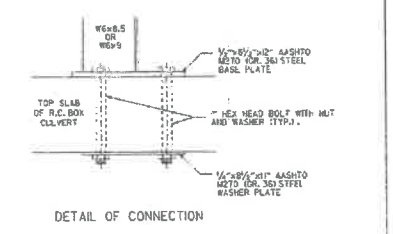
WASHER PLATE
 BASE PLATE
 Note: Bolts, nuts, washers and plates shall be galvanized in accordance with Section 601 of the Standard Specifications.



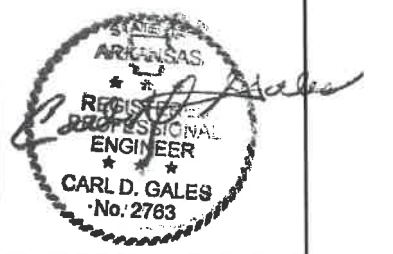
DETAIL OF GUARD RAIL PLACEMENT BEHIND CURB (W-BEAM)
 FOR DESIGN SPEEDS OF 50 MPH OR LESS:
 ALIGN FACE OF GUARD RAIL WITH FACE OF CURB.
 PLACE GUARD RAIL POSTS AGAINST BACK OF CURB.
 FOR DESIGN SPEEDS OF 50 MPH OR LESS ALL CURB FACES AS SHOWN ON THIS DRAWING MAY BE USED. FOR DESIGN SPEEDS OF 55 MPH OR MORE TYPE "E" CURB FACE SHALL BE USED.



SECTION A-A



DETAIL OF CONNECTION



14 OF 18 SHEET NO.				
NO.	REVISION	DATE	BY	

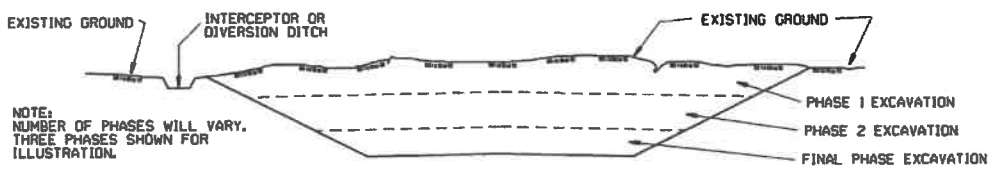
Ian McCune DRAFTING SERVICES 605 CROSSLANE RD. CLINTON, OK 74551 OFFICE 918-469-3135 MOBILE 918-287-7113 EMAIL IAN.MCCUNE@GMAIL.COM	DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
	CHECKED BY:	DATE CHECKED:
	FIELD SURVEY:	DATE LAST SITE VISIT:
	HORIZONTAL SCALE: VERTICAL SCALE:	N/A N/A
BLUE SPRINGS ROAD BRIDGE GUARD RAIL DETAILS		

WASHINGTON COUNTY ROAD DEPARTMENT
 BLUE SPRINGS ROAD BRIDGE RENOVATIONS

CLEARING AND GRUBBING

- CONSTRUCTION SEQUENCE**
1. PLACE PERIMETER CONTROLS (I.E. SILT FENCES, DIVERSION DITCHES, SEDIMENT BASINS, ETC.)
 2. PERFORM CLEARING AND GRUBBING OPERATION.

EXCAVATION



NOTE:
NUMBER OF PHASES WILL VARY.
THREE PHASES SHOWN FOR
ILLUSTRATION.

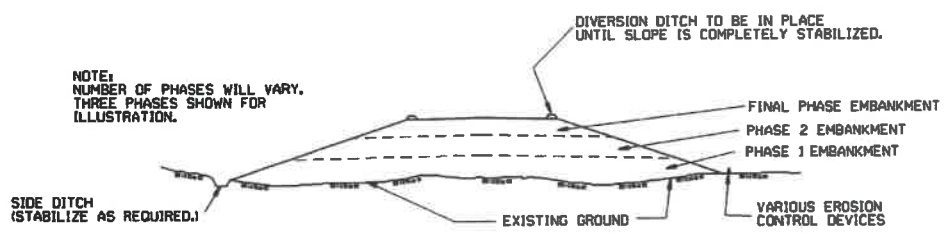
GENERAL NOTE

ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

CONSTRUCTION SEQUENCE

1. EXCAVATE AND STABILIZE INTERCEPTOR AND/OR DIVERSION DITCHES.
2. PERFORM PHASE 1 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
3. PERFORM PHASE 2 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
4. PERFORM FINAL PHASE OF EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING. STABILIZE DITCHES. CONSTRUCT DITCH CHECKS, DIVERSION DITCHES, SEDIMENT BASINS, OR OTHER EROSION CONTROL DEVICES AS REQUIRED.

EMBANKMENT



NOTE:
NUMBER OF PHASES WILL VARY.
THREE PHASES SHOWN FOR
ILLUSTRATION.

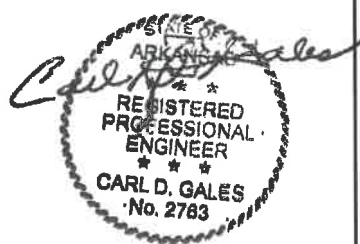
GENERAL NOTE

ALL EMBANKMENT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE CONSTRUCTED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

CONSTRUCTION SEQUENCE

1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.
2. PLACE PHASE 1 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
3. PLACE PHASE 2 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
4. PLACE FINAL PHASE OF EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PLACE DIVERSION DITCHES AND SLOPE DRAINS AND MAINTAIN UNTIL ENTIRE SLOPE IS STABILIZED.

ARKANSAS STATE HIGHWAY COMMISSION
TEMPORARY EROSION CONTROL DEVICES
STANDARD DRAWING TEC-3



15 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

Ian McCune
DRAFTING SERVICES
895 CROSSLANES RD. QUINCY, ON T4561
OFFICE 518-469-3135 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	N/A N/A
BLUE SPRINGS ROAD BRIDGE TEMPORARY EROSION CONTROL DEVICES	



WASHINGTON COUNTY
ROAD DEPARTMENT

BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS:

XXXXXXX AREA FOR EXISTING BLUE SPRINGS ROAD BRIDGE UPGRADES AND ADDITIONS
 NW/4 NE/4 NW/4 SECTION 33, TOWNSHIP 18 NORTH, RANGE 31 EAST, WASHINGTON COUNTY, AR

LATITUDE AND LONGITUDE:

LATITUDE: 36°08'29.13" N
 LONGITUDE: 94°00'05.97" W

PROJECT DESCRIPTION:

ADD SECTION OF BRIDGE SURFACE, FIX ANY ISSUES DUE TO FLOODING.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

1. INSTALL TRAFFIC CONTROL
2. CLEAR GRUB AND STOCKPILE TOPSOIL
3. BEGIN FENCING, INSTALLATION OF STRUCTURES AND GRADING
4. INSTALL SEDIMENT CONTROLS AS AREAS BECOME DISTURBED
5. INSTALL VEGETATIVE MULCHING
6. COMPLETE BRIDGE SUPPORTS
7. COMPLETE PERMANENT EROSION CONTROL

NOTE: THIS SHOULD INCLUDE MAJOR ACTIVITIES REQUIRED TO CONSTRUCT THE PROJECT & EROSION CONTROL ITEMS.

TOTAL AREA TO BE DISTURBED:

10252.87 SF or 0.24 ACRES

WEIGHTED RUNOFF COEFFICIENT:

BEFORE CONSTRUCTION: XXXX
 AFTER CONSTRUCTION: XXXX

NOTE: THIS SHOULD BE DETERMINED BY THE HYDRAULIC DESIGNER FOR THE PROJECT. THIS VALUE SHOULD BE THE AVERAGE "C" FACTOR USED ON THE PROJECT. IT SHOULD BE BASED ON THE ANTICIPATED FUTURE LAND USE.

NAME OF RECEIVING WATERS:

WHITE RIVER

NOTE: THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE CHARACTERISTICS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- _____ TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- _____ VEGETATIVE MULCHING
- _____ SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONST. ACTIVITIES HAVE CEASED FOR OVER 21 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- _____ TEMPORARY BRUSH SEDIMENT BARRIERS
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY BALE BARRIERS
- _____ DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- _____ DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- _____ SANDBAG BERMS
- _____ ROCK FILTER DAMS (CHECK DAM)
- _____ TEMPORARY SLOPE DRAIN
- _____ PAVED DITCH W/ DITCH LINER PROTECTION
- _____ TEMPORARY DIVERSION CHANNELS
- _____ RIP RAP
- _____ TEMPORARY STREAM CROSSINGS
- _____ TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- _____ TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- _____ INLET SEDIMENT FILTER
- _____ STABILIZED CONSTRUCTION ENTRANCE

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

CONTRACTOR SHALL REMOVE ALL TEMPORARY SEDIMENTATION CONTROL DEVICES FROM PROJECT LIMITS AFTER CONSTRUCTION IS COMPLETED.
 CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EROSION CONTROL DEVICES.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES (AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE). POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

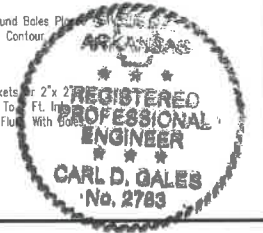
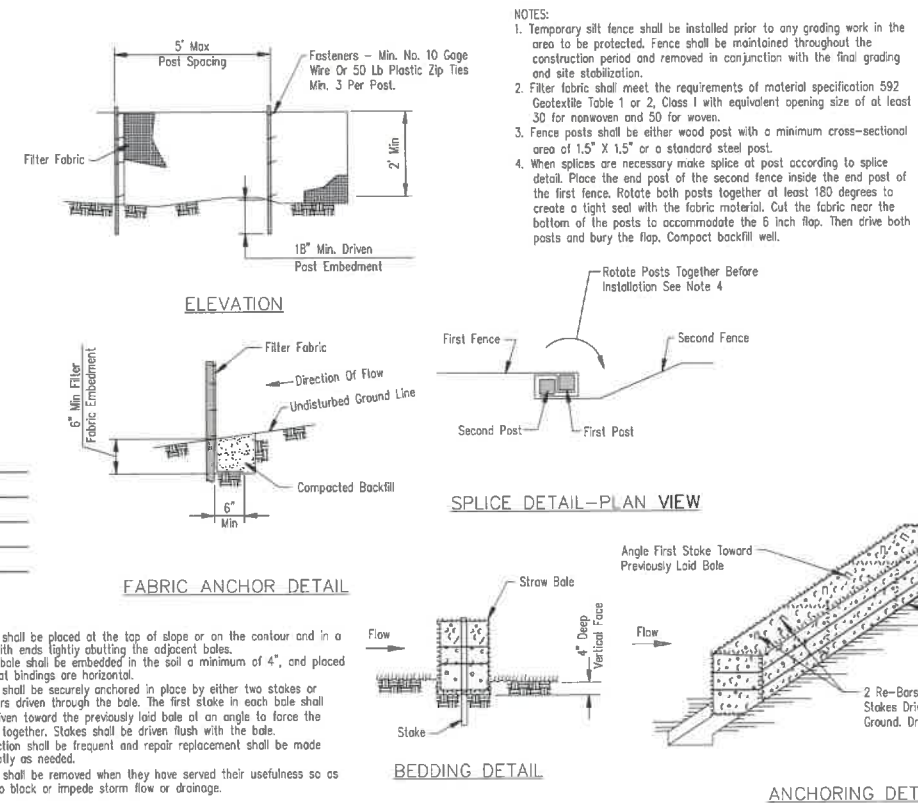
PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

THE ENCLOSED STORMWATER POLLUTION PREVENTION PLAN (SWP3) COMPLIES WITH ORDERS REGULATIONS UNDER THE WASHINGTON COUNTY STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES ON LAND OWNED BY THE COUNTY TO ACTIVITIES THAT ARE DIRECTLY CONTROLLED BY THE COUNTY.



NO.	REVISION	DATE	BY

Ian McCune
 DRAFTING SERVICES
 985 CROSSLANES RD. QUINCY, OK 74561
 OFFICE 918-469-3135 - MOBILE 918-387-7113
 EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	N/A N/A
BLUE SPRINGS ROAD STORM WATER MANAGEMETN PLAN 1	



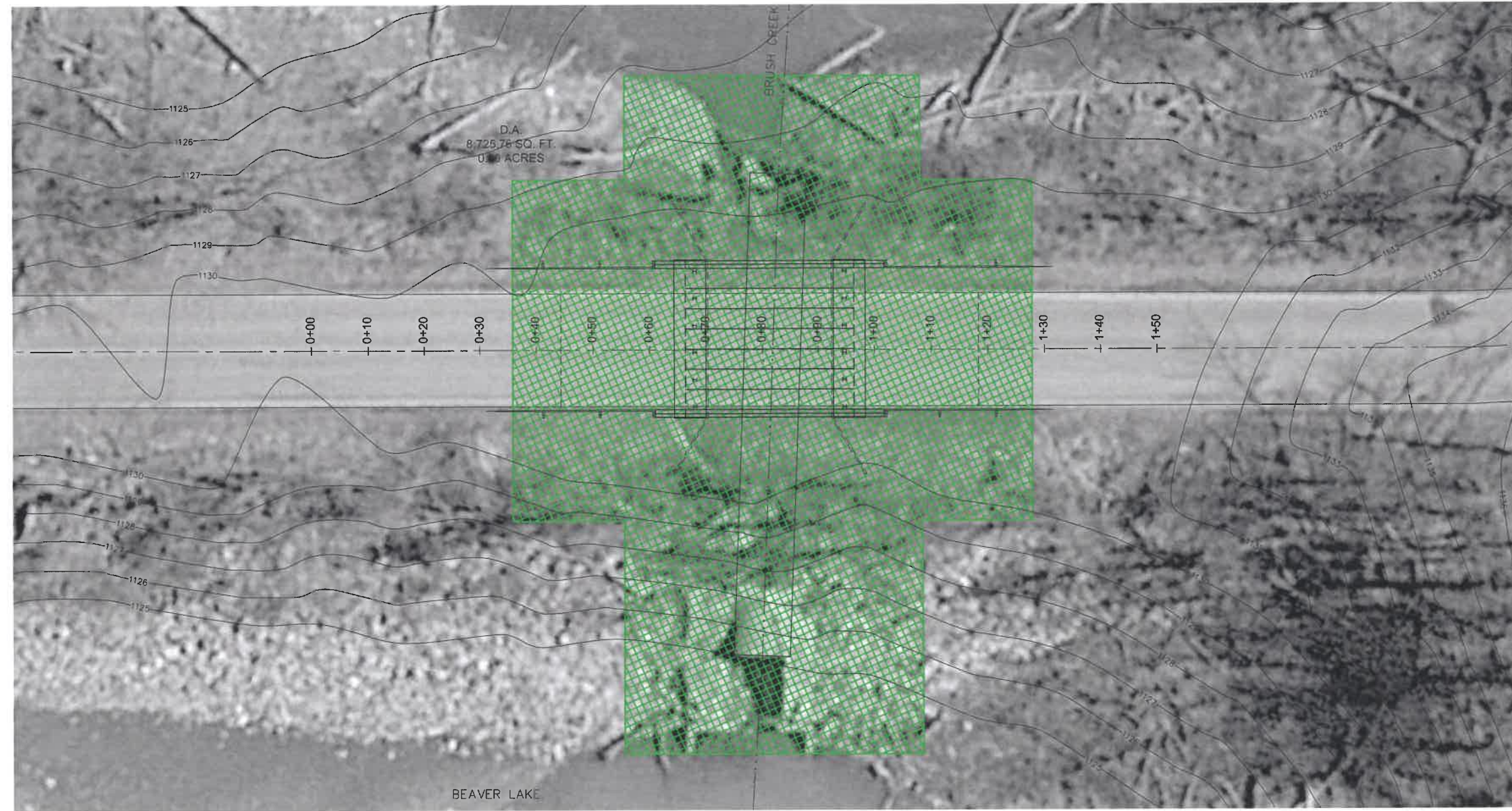
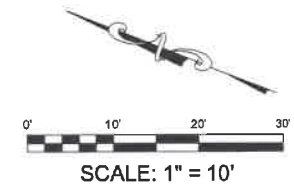
WASHINGTON COUNTY ROAD DEPARTMENT
 BLUE SPRINGS ROAD BRIDGE RENOVATIONS

0+35.9 DISTURBANCE AREA 30.1' RT.,
DISTURBANCE AREA 30.4' LT.,
END PROJECT

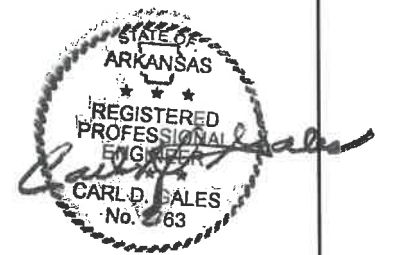
0+55.5 DISTURBANCE AREA 30.1' RT.,
DISTURBANCE AREA 30.5' LT.,
DISTURBANCE AREA 48.6' RT.,
DISTURBANCE AREA 71.8' LT.

1+08.2 DISTURBANCE AREA 30.1' RT.,
DISTURBANCE AREA 30.3' LT.,
DISTURBANCE AREA 48.6' RT.,
DISTURBANCE AREA 71.8' LT.

1+27.8 BEGIN PROJECT
DISTURBANCE AREA 30.3' LT.,
DISTURBANCE AREA 30.3' RT.



 DISTURBANCE AREAS



18 OF 18
SHEET NO.

NO.	REVISION	DATE	BY

Ian McCune
DRAFTING SERVICES
895 CROSSLANES RD. QUINCY, OK 74561
OFFICE 918-469-3135 - MOBILE 918-287-7113
EMAIL IAN.MCCUNE09@GMAIL.COM

DRAWN BY: IPM	DATE PREPARED: AUGUST 10, 2017
CHECKED BY:	DATE CHECKED:
FIELD SURVEY:	DATE LAST SITE VISIT:
HORIZONTAL SCALE: VERTICAL SCALE:	1" = 10' N/A
BLUE SPRINGS ROAD BRIDGE DISTURBANCE AREA	



WASHINGTON COUNTY
ROAD DEPARTMENT

BLUE SPRINGS ROAD
BRIDGE
RENOVATIONS