

London-Miller 6/19/2023 10:29:53 AM MORSPACEL London-Miller ct.uters'spublic-Minipawie-ro REVISED DATE: \$\$REVDATE\$

DATE REVISED	DATE REVISED	FED.RD. STATE		JOB NO.	SHEET NO.	TOTAL SHEETS				
6/9/2023		6	ARK.	061750	I	20				
		ROCKPORT - HWY. 70 (S)								



ARKANSAS HIGHWAY DISTRICT 6

STRUCTURES OVER 20' - 0" SPAN

▲ LOG MILE IOI.470 DBL. 8' X IO' X 80' R.C. BOX CULVERT WITH 3:I WINGS LT. & RT. SPAN = 20.80

- LOG MILE 101.490 DBL. 8' X 10' X 90' R.C. BOX CULVERT WITH 3:I WINGS LT. & RT. SPAN = 20.80
- ▲ LOG MILE 107.397 DBL. 8' X 8' X 150' R.C. BOX CULVERT WITH 45° LT. FWD. SKEW WITH 3:1 WINGS LT. & RT. SPAN = 25.00

LOG MILE 107.397 DBL. 8' X 8' X 120' R.C. BOX CULVERT WITH 45° LT. FWD. SKEW WITH 3:I WINGS LT. & RT. SPAN = 25.00

FOR INFORMATION ONLY

END JOB 061750 LOG MILE 110.750



INDEX OF SHEETS SHEET NO. TITLE BRIDGE NO. DRWG.NO. 1 TITLE SHEET 2 INDEX OF SHEETS AND STANDARD DRAWINGS 3 GOVERNING SPECIFICATIONS AND GENERAL NOTES 3 GOVERNING SPECIFICATIONS AND GENERAL NOTES 4 SPECIAL DETAILS

BRIDGE STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
55064 STANDARD DETAILS FOR JOINT REPAIRS & MODIFICATION		11-07-19

ROADWAY STANDARD DRAWINGS

DRWG.N	IO. TITLE	DATE
CPTJ-6A		11-07-19
GR-6	GUARDRAIL DETAILS	05-19-22
GR-7	GUARDRAIL DETAILS	11-07-19
GR-8	GUARDRAIL DETAILS	11-07-19
GR-9	GUARDRAIL DETAILS	11-07-19
GR-10	GUARDRAIL DETAILS	11-07-19
GR-11	GUARDRAIL DETAILS	11-07-19
GR-12	GUARDRAIL DETAILS	05-14-20
GR-13	CONCRETE BARRIER WALL (PIER PROTECTION TYPE A)	11-07-19
GRT-1	GUARDRAIL DETAILS	11-07-19
PM-1	PAVEMENT MARKING DETAILS	02-27-20
PM-2		05-14-20
PU-1	DETAILS OF PIPE UNDERDRAIN	12-08-16
TC-1		11-07-19
TC-2		05-20-21
TC-3		08-12-21
TEC-1	TEMPORARY EROSION CONTROL DEVICES	11-16-17
TEC-3	TEMPORARY EROSION CONTROL DEVICES	11-03-94
TR-1A		08-22-02

DATE REVISED	DATE	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	061750	2	20
		INDEX	RAWINGS			

ATE ARKANŠAS LICENSE ROFESSIO 05-12-2023

INDEX OF SHEETS AND STANDARD DRAWINGS

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER

TITLE

ERRATA ____ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS FHWA-1273_REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS FHWA-1273_SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS FHWA-1273_SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140) FHWA-1273_SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES FHWA-1273_SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS FHWA-1273_SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS FHWA-1273_SUPPLEMENT - WAGE RATE DETERMINATION _CONTRACTOR'S LICENSE 100-3 100-4 DEPARTMENT NAME CHANGE 102-2_ _ISSUANCE OF PROPOSALS 105-4 MAINTENANCE DURING CONSTRUCTION 107-2 RESTRAINING CONDITIONS 108-1 LIQUIDATED DAMAGES 108-2 _WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER 210-1 UNCLASSIFIED EXCAVATION 303-AGGREGATE BASE COURSE 306-1 _QUALITY CONTROL AND ACCEPTANCE __DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES __PERCENT AIR VOIDS FOR ACHM MIX DESIGNS 400-4 400-5 400-6 LIQUID ANTI-STRIP ADDITIVE 404-3 DESIGN OF ASPHALT MIXTURES 410-1 _CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES 410-2 _DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS 410-4 _EVALUATION OF ACHM SUBLOT REPLACEMENT MATERIAL _CEMENT 501-2_ _GRINDING PORTLAND CEMENT CONCRETE PAVEMENT 510-1 600-2 INCIDENTAL CONSTRUCTION LANE CLOSURE NOTIFICATION 603-1 _RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES 604-1 _TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH) 604-3 _GUARDRAIL TERMINAL (TYPE 2) 617-1 MULCH COVER 620-1 800-1 STRUCTURES _CEMENT 802-4_ JOB 061750_ASSESSMENT OF WORKING DAYS – MAINTENANCE OF TRAFFIC JOB 061750_ASSESSMENT OF WORKING DAYS – MAINTENANCE OF TRAFFIC JOB 061750_AUTOMATED WORK ZONE INFORMATION SYSTEM JOB 061750_BIDDING REQUIREMENTS AND CONDITIONS JOB 061750_BRIDGE BACKWALL MODIFICATION JOB 061750_BRIDGE DECK REPAIR FOR POLYMER OVERLAYS JOB 061750_BRIDGE JOINT MODIFICATION JOB 061750_BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT JOB 061750_BUY AMERICA - CONSTRUCTION MATERIALS JOB 061750_CARGO PREFERENCE ACT REQUIREMENTS JOB 061750_CLASS C FLY ASH IN PORTLAND CEMENT CONCRETE PAVEMENT AND CLASS S(AE) CONCRETE JOB 061750_CONSTRUCTION PROJECT INFORMATION SIGN JOB 061750_COORDINATION OF WORK JOB 061750_DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES JOB 061750_DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES JOB 061750_DOWEL BAR RETROFIT FOR PORTLAND CEMENT CONCRETE PAVEMENT JOB 061750_ENHANCED THERMOPLASTIC PAVEMENT MARKING JOB 061750_FLEXIBLE BEGINNING OF WORK - CALENDAR DAY CONTRACT JOB 061750_GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION JOB 061750_HIGH DENSITY POLYURETHANE FOR LEVELING, UNDERSEALING, AND SOIL DENSIFICATION JOB 061750_JOINT REHABILITATION FOR BRIDGE DECKS JOB 061750_LIQUIDATED DAMAGES PROCEDURE FOR BID LETTINGS JOB 061750_MAINTENANCE OF TRAFFIC JOB 061750_MANDATORY ELECTRONIC CONTRACT JOB 061750_MANDATORY ELECTRONIC DOCUMENT SUBMITTAL JOB 061750_PARTNERING REQUIREMENTS JOB 061750_PCC PAVEMENT SURFACE SMOOTHNESS (IRI) JOB 061750 POLYMER OVERLAY JOB 061750_PRICE ADJUSTMENT FOR ASPHALT BINDER JOB 061750_PRICE ADJUSTMENT FOR FUEL JOB 061750_PRICE ADJUSTMENT FOR FUEL JOB 061750_PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT JOB 061750_REACTIVE AGGREGATE TESTING JOB 061750_RESTRICTIONS ON THE USE OF RECYCLED ASPHALT PAVEMENT MATERIAL JOB 061750_SEQUENCE OF CONSTRUCTION JOB 061750_SITE USE (A+C METHOD) – CALENDAR DAY CONTRACT JOB 061750_SPECIAL CLEARING JOB 061750 SPECIAL CLEARING PUP SEASON REQUIREMENTS JOB 061750_SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS JOB 061750_TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES JOB 061750_UNDERDRAIN FLUSHING AND INSPECTION JOB 061750_UTILITY ADJUSTMENTS JOB 061750_VALUE ENGINEERING JOB 061750_VERY EARLY STRENGTH CONCRETE

GENERAL NOTES

- OTHERWISE PROVIDED.
- WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- RESIDENT ENGINEER
- 6. STRINGLINE WILL BE USED TO MAINTAIN A UNIFORM HORIZONTAL ALIGNMENT.
- BACKGROUND AT ALL TRANSVERSE JOINTS EXPOSED TO TRAFFIC.
- CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.
- UNCLASSIFIED EXCAVATION

DATE	DATE	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
6/9/2023		6	ARK.	061750	3	20	
		GOVER	NING SPE	ECIFICATIONS &	GENERA	L NOTES	



1. 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

2. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE

3. 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

4. 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.

5. THE SEQUENCE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS IS A GENERAL OUTLINE FOR THE CONSTRUCTION OF THIS PROJECT, AND IN NO WAY IS IT INTENDED TO COVER EVERY ITEM IN THE PROJECT. ITEMS NOT CRITICAL TO THE CONSTRUCTION SEQUENCE MAY BE CONSTRUCTED IN ANY STAGE AS APPROVED BY THE

7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN STD. W8-1"BUMP" SIGNS (30" X 30") WITH BLACK LEGEND ON ORANGE

8. WHEN EXISTING DROP INLETS ARE ENCOUNTERED ON THE APPROACH GUTTERS, THE CONTRACTOR SHALL REMOVE DEBRIS FROM THE GRATE AND DROP INLET IF AND WHERE DIRECTED BY THE ENGINEER TO ESTABLISH POSITIVE DRAINAGE. THERE SHALL BE NO DIRECT PAYMENT FOR FULFILLING THIS REQUIREMENT, BUT PAYMENT WILL BE

9. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 -

GOVERNING SPECIFICATIONS AND GENERAL NOTES

Job XXXXXX Start Date Mo Year Est Completion Mo Year SHOULDER (VAR. WIDTH) 5′-6" IDRIVE ARKANSAS.COM 2' -0"__1' -6"__2' -0" 23. -14.2 -13.2-*-6-* - 8→ 6. 1k— 13. 8-k 14 4-0.040'/ —13.8→6. 0.040' 2000 D 0.020'/ 6.0" Radius, 1.3" Border, Black on Orange; "Job XXXXXX" C 2K; "Start Date Mo Year" C 2K; " Arial: "Est Completion Mo Year" C 2K; "IDRIVE ARKANSAS.COM " Arial: WIDENING FOR GUARDRAIL CONSTRUCTION PROJECT INFORMATION SIGN JOINT WIDTH* JOINT CONFIGURATION FOR (E-II) TYPE 3 & 4 JOINT SEALANT BACKER ROD SEALANT THICKNESS BACKER JOINT WIDTH PLACEMENT DEPTH 2 ROD NOTE: 1/4" 1/2 INCHES 1/4 1/4 3/8 1/2 2 1 3/8 1/4 1/2 1/2 1/4 5/8 1/2 1/2 JOINT SEALANT 5/16 5/8 3/4 9/16 3/4 3/8 7/8 7/8 BEGIN SILT FENCE 7/16 11/16 4/8 1 < BACKER ROD 1/2 1 1/4 3/4 1 TO 1 1/2 1/2 1 1/4+ 3/4 NOTE: JOINTS GREATER THAN 1 1/2" IN WIDTH SHALL BE SEALED WITH TYPE 5 JOINT SEALANT. -Ç LANES BEGIN SILT FENCE * CONTRACTION JOINTS SHALL BE SAWED TO MIN. WIDTH OF 3/8". WARPING & LONGITUDINAL JOINTS SHALL BE SAWED TO MIN. WIDTH OF EXISTING WIDTH +1/8" (1/16" ON EACH SIDE). DETAILS OF TYPE A OR TYPE B JOINT REHABILITATION

Anthony,Rivas 5/11/2023 III546 PM MRKSPACE Anthony,Rivas Guusers Spunic mony,Rivas REVISED DATE: BAREVIDATES





PLAN VIEW





SECTION A-A

DETAIL OF DOWEL BAR RETROFIT



SPECIAL DETAILS

SPECIAL CLEARING

REFER TO SPECIAL PROVISION 'SPECIAL CLEARING' FOR ADDITIONAL CLEARING GUIDELINES.

DENOTES AREA TO BE CLEARED

SPECIAL CLEARING IS TO BE AT A MAXIMUM OF 50 FEET OR TO THE R/W, WHICHEVER IS CLOSER.

SPECIAL CLEARING SHALL INCLUDE ALL LIMBS AND OCCASIONAL SMALL TO MEDIUM SIZED TREE PRESENT IN THE DESIGNATED AREA TO BE CLEARED.

			EDGE OF	PAVEMENT -	30'
M		501			

DATE REVISED

FULL DEPTH JOINT FORMING MEDIUM & DOWEL SUPPORT

DOWEL BAR CAP (BOTH SIDES)

DATE REVISED

FED.RD. DIST.NO.

6

STATE

ARK.

JOB NO.

061750

SPECIAL DETAILS

SHEET NO.

5

TATE O

ARKANSAS ARKANSAS LICENSED PROFESSION LL ENGINEER No.18633

05-12-2023

ANDON K

MILLER

TOTAL SHEETS

20



50-05-SD-00 anthony.Rivas 5/11/2023 1:15:49 PM WORKSACE: Anthony.Riva.Vo st.Users.Spublic.Vmbjav.Nova0109458\R0617 REVISED DATE: \$\$REVDATE\$\$



DESIGN SPEED "A"	В	С	D	E
60	50	720	1100	600
65	55	780	1210	660
70	60	840	1320	720
75	65	900	1430	780

ΞĦ ENG INEER

Anthony,Rivas 5/11/2023 lile.02 PM WRKSPGK AnthonyVisoa c.Wasterschublickmb[pw/s/d0108458/R061750_06_M0T_001,dgn REVISED DATE: #REVDATE#3





MOT_001.dgn

Anthony,Rivas 5/11/2023 li6:03 PM MoRKSPACE Anthony/Rivas cs.users.public.nmbjow.Riva0108458.R06i750_06_M0T_00Ldgn REVISED DATE: #REVDATE#3



DIVERSION FOR INSIDE LANE CLOSURE



DIVERSION FOR OUTSIDE LANE CLOSURE

TYPICAL TRAFFIC DRUM LAYOUT FOR DIVERSION OF LANE CLOSURES

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS				
		6	ARK.	061750	9	20				
		м	MAINTENANCE OF TRAFFIC DETAILS							

ATE ARKANSAS LICENSED PROFESSIONAL ENGINEER No.18633 05-12-2023

DIVERSION OF LANE CLOSURE MAINTENANCE OF TRAFFIC DETAILS



DETAIL OF ENTRANCE AND EXIT RAMPS

EASTBOUND LANES: LOG MILE 100.015: ENTRANCE RAMP LOG MILE 106.310: ENTRANCE AND EXIT RAMPS WESTBOUND LANES: LOG MILE 100.015: EXIT RAMP LOG MILE 106.310: ENTRANCE AND EXIT RAMPS LOG MILE 110.650: ENTRANCE RAMP

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	061750	10	20
		м	NCE OF TRAFF	IC DET	AILS	



ADVANCE WARNING SIGNS MAINTENANCE OF TRAFFIC DETAILS



ADVANCE WARNING SIGNS AT BEGINNING AND END OF JOB 061750

ADVANCE WARNING SIGNS MAINTENANCE OF TRAFFIC DETAILS



Anthony.Rivas 5/11/2023 Iil6:04 PM WORKSPACE: Anthony.Rivas c:VusersYuublic\mbipw\G\d008458\R061750_06_M0T_00I.dgn REVISED DATE: \$\$REVDATE\$\$

	DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
			6	ARK.	061750	12	20
			м	AINTENA	NCE OF TRAF	FIC DETA	AILS
	~~~~ * *	•			AR AR LIC PROF EN OS-1	ATE 07 KANSA ČENSE ESSIO GINEE 5.18633 V K. W Z-Z07	R R 23
			$\times$				
TRAFFIC DRUMS @ 65' O.C.							
			_				
RUMS							
J.C.							
• • • • • •	_୰ ●៶៸៶៱ <mark>ڢ</mark>		XXXX	XXXX	XXXXXX		
					RAMP	DET	ails
М	AINTE	NANC	E OI	- TF	RAFFIC	DET	AILS



PERMANENT PAVEMENT MARKING DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	061750	13	20
			PERMAN	ENT PAVEMENT	MARKIN	IGS



SEE STANDARD DRAWINGS PM-I AND PM-2 FOR ADDITIONAL INFORMATION

PERMANENT PAVEMENT MARKING DETAILS

SIGN NUMBER	DESCRIPTION		STAGE 1	MAXIMUM NUMBER REQUIRED	TOTAL REQI	. SIGNS JIRED	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	TRAFFIC DRUMS	* ADVANCE WARNING ARROW PANEL	* PORTABLE CHANGEABLE MESSAGE SIGN
			EACH		NO.	SQ.FT.	EACH		DAY	WEEK
W20-1	ROAD WORK 1 MILE	48"x48"	4	4	4	64.0				
W20-1	ROAD WORK 1/2 MILE	48"x48"	4	4	4	64.0				
W20-1	ROAD WORK 1500 FT	48"x48"	4	4	4	64.0				
W20-1	ROAD WORK AHEAD	48"x48"	8	8	8	128.0				
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	4	4	4	64.0				
W20-5	LEFT LANE CLOSED 1 MILE	48"x48"	2	2	2	32.0				
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	4	4	4	64.0				
W20-5	LEFT LANE CLOSED 1/2 MILE	48"x48"	2	2	2	32.0				
W20-5	RIGHT LANE CLOSED 1500 FT	48"x48"	4	4	4	64.0				
W20-5	LEFT LANE CLOSED 1500 FT	48"x48"	2	2	2	32.0				
W4-2 LT.	LANE CLOSED	48"x48"	2	2	2	32.0				
W4-2 RT.	LANE CLOSED	48"x48"	4	4	4	64.0				
R2-1	SPEED LIMIT 75	48"x60"	8	8	8	160.0				
R2-1	SPEED LIMIT 65	48"x60"	8	8	8	160.0				
G20-2	END ROAD WORK	48"x24"	7	7	7	56.0				
G20-1	ROAD WORK NEXT 11 MILES	60"x24"	2	2	2	20.0				
W1-6	I ARGE ARROW	60"x30"	12	12	12	150.0				
R4-1	DO NOT PASS	48"x60"	8	8	8	160.0				
R55-1	EINES DOUBLE IN WORK ZONES WHEN WORKERS ARE PRESENT	36"x60"	4	4	4	60.0				
W21-5a	SHOULDER CLOSED	48"x48"	2	2	2	32.0				
W3-5	REDUCED SPEED LIMIT AHEAD	48"x48"	2	2	2	32.0				
SPECIAL	MERGE NOW (LT.)	48"x48"	2	2	2	32.0				
SPECIAL	MERGE NOW (BT.)	48"x48"	1	1	1	16.0				
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN	48"x96"	2	2	2	64.0				
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE		_	_	_	0.10	4			
0. 20./2										
	TRAFFIC DRUMS							492		
L	ADVANCE WARNING ARROW PANEL		2	2					1095	
	PORTABLE CHANGEABLE MESSAGE SIGN		2	2						156
TOTALS:						1646.0	4	492	1095	156

### ADVANCE WARNING SIGNS AND DEVICES

NOTE: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

NOTE: THE QUANTITY OF TRAFFIC DRUMS PROVIDED IS FOR ONE SIDE OF THE ROADWAY FOR FOUR (4) MILES OF THE JOB. HOWEVER, THE INSTALLATION OF TRAFFIC DRUMS SHALL NEVER EXCEED THE ACTUAL WORK AREA BY MORE THAN 1/4 MILE, UNLESS APPROVED BY THE ENGINEER.

* QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS. TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

### SPECIAL CLEARING

LOG MILE							
			STATION				
100.000	110.750	E.B. I-30	568				
100.000	110.750	W.B.I-30	568				
TOTALS:			1136				

* QUANTITY ESTIMATED SEE SECTION 104.03 OF THE STD. SPECS.

### AUTOMATED WORK ZONE INFORMATION SYSTEM

LOCATION	FURNISH AND INSTALL VEHICLE DETECTION SYSTEM	FURNISH AND INSTALL VARIABLE MESSAGE SIGN	FURNISH AND INSTALL CLOSED CIRCUIT TELEVISION SYSTEM	AWIS OPERATION	AWIS MOBILIZATION	DEVICE RELOCATION
	EACH	EACH	EACH	MONTHS	LUMP SUM	EACH
* ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	16	8	4	36	1.00	72
TOTALS	16	8	4	36	1	72

* QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

### CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	STAGE 1 CONSTRUCTION MARKINGS		RAISED PAVEMENT MARKERS	ENHANCED THERMOPLASTIC PAVEMENT MARKING		
		WARKINGS	TYPEII	6	5"	12"
			(WHITE/RED)	WHITE	YELLOW	WHITE
	LIN. FT.		EACH		LIN.FT.	
CONSTRUCTION PAVEMENT MARKINGS	255420	255420				
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)	1829		1829			
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	141900			141900		
ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	113520				113520	
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	4765					4765
TOTALS:		255420	1829	141900	113520	4765

NOTE: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

LOG MILE	LOG MILE	LOCATION	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)
			LIN. FT.	EA	CH
100.134	100.190	RT. OF I-30 E.B.	225	1	1
100.200	100.256	LT. OF I-30 W.B.	225	1	1
101.774	101.825	LT. OF I-30 W.B.	200	1	1
101.774	101.834	RT. OF I-30 W.B.	250	1	1
103.690	103.741	BRIDGE A3430 - LT. OF I-30 W.B.	200	1	1
103.690	103.750	BRIDGE A3430 - RT. OF I-30 W.B.	250	1	1
104.140	104.191	BRIDGE A3431- LT. OF I-30 W.B.	200	1	1
104.140	104.200	BRIDGE A3431- RT. OF I-30 W.B.	250	1	1
104.460	104.520	BRIDGE B3432 - LT. OF I-30 E.B.	250	1	1
104.469	104.520	BRIDGE B3432 - RT. OF I-30 E.B.	200	1	1
104.543	104.599	BRIDGE A3432 - LT. OF I-30 W.B.	225	1	1
104.543	104.613	BRIDGE A3432 - RT. OF I-30 W.B.	300	1	1
105.210	105.280	BRIDGE B3245 - LT. OF I-30 E.B.	300	1	1
105.224	105.280	BRIDGE B3245 - RT. OF I-30 E.B.	225	1	1
105.308	105.364	BRIDGE A3245 - LT. OF I-30 W.B.	225	1	1
105.308	105.378	BRIDGE A3245 - RT. OF I-30 W.B.	300	1	1
106.269	106.310	RT. OF I-30 E.B.	150	1	1
106.320	106.361	LT. OF I-30 W.B.	150	1	1
108.389	108.430	LT. & RT. OF I-30 E.B.	300	2	2
109.929	109.970	RT. OF I-30 E.B.	150	1	1
TOTALS			4575	21	21

LOG MILE	LOG MILE	LOCATION	LOCATION *CONCRETE PAVEMENT FOR PAVEMENT		
			SQ. YD.	SQ.YD.	LIN. FT.
ENTIRE	PROJECT	TO BE USED IF AND WHERE	297	671	
		DIRECTED BY THE ENGINEER			
_					
100.134	100.190	RT. OF I-30 E.B.			293.75
100.200	100.256	LT. OF I-30 W.B.			293.75
101.774	101.825	LT. OF I-30 W.B.			268.75
101.774	101.834	RT. OF I-30 W.B.			318.75
103.690	103.741	BRIDGE A3430 - LT. OF I-30 W.B.			268.75
103.690	103.750	BRIDGE A3430 - RT. OF I-30 W.B.			318.75
104.140	104.191	BRIDGE A3431 - LT. OF I-30 W.B.			268.75
104.140	104.200	BRIDGE A3431 - RT. OF I-30 W.B.			318.75
104.460	104.520	BRIDGE B3432 - LT. OF I-30 E.B.			318.75
104.469	104.520	BRIDGE B3432 - RT. OF I-30 E.B.			268.75
104.543	104.599	BRIDGE A3432 - LT. OF I-30 W.B.			293.75
104.543	104.613	BRIDGE A3432 - RT. OF I-30 W.B.			368.75
105.210	105.280	BRIDGE B3245 - LT. OF I-30 E.B.			368.75
105.224	105.280	BRIDGE B3245 - RT. OF I-30 E.B.			293.75
105.308	105.364	BRIDGE A3245 - LT. OF I-30 W.B.			293.75
105.308	105.378	BRIDGE A3245 - RT. OF I-30 W.B.			368.75
106.269	106.310	RT. OF I-30 E.B.			218.75
106.320	106.361	LT. OF I-30 W.B.			218.75
108.389	108.430	LT & RT. OF I-30 E.B.			437.50
109.933	109.970	RT. OF I-30 E.B.			218.75
TOTAL:			297	671	6019

 *QUANTITIES ESTIMATED.
 297
 671
 6019

 SEE SECTION 104.03 OF THE STD. SPECS.
 NOTE: THE QUANTITY SHOWN ABOVE FOR THE REMOVAL AND DISPOSAL OF GUARDRAIL SHALL INCLUDE

 THE REMOVAL AND DISPOSAL OF ALL GUARDRAIL TERMINALS AND TERMINAL ANCHOR POSTS.

	EARTHWORK						
LOG MILE	LOG MILE	LOCATION / DESCRIPTION	UNCLASSIFIED EXCAVATION	COMPACTED EMBANKMENT			
			CU.	YD.			
100.134	100.190	RT. OF I-30 E.B.	17	10			
100.200	100.256	LT. OF I-30 W.B.	17	10			
101.774	101.825	LT. OF I-30 W.B.	16	10			
101.774	101.834	RT. OF I-30 W.B.	18	10			
103.690	103.741	LT. OF I-30 W.B.	16	10			
103.690	103.750	RT. OF I-30 W.B.	18	10			
104.140	104.191	LT. OF I-30 W.B.	16	10			
104.140	104.200	RT. OF I-30 W.B.	18	10			
104.460	104.520	LT. OF I-30 E.B.	18	10			
104.469	104.520	RT. OF I-30 E.B.	16	10			
104.543	104.599	LT. OF I-30 W.B.	17	10			
104.543	104.613	RT. OF I-30 W.B.	21	10			
105.210	105.280	LT. OF I-30 E.B.	21	10			
105.224	105.280	RT. OF I-30 E.B.	17	10			
105.308	105.364	LT. OF I-30 W.B.	17	10			
105.308	105.378	RT. OF I-30 W.B.	21	10			
106.269	106.310	RT. OF I-30 E.B.	13	10			
106.320	106.361	LT. OF I-30 W.B.	13	10			
108.389	108.430	LT & RT OF I-30 E.B.	27	10			
109.929	109.970	RT. OF I-30 E.B.	13	10			
TOTALS:			350	200			

NOTE: EARTHWORK QUANTITIES SHALL BE PAID AS PLAN QUANTITY.

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
6/9/2023		6	ARK.	061750	14	20
6/22/2023						

### GUARDRAIL



### REMOVAL AND DISPOSAL OF ITEMS

QUANTITIES

### **EROSION CONTROL**

			PERMANENT EROSION CONTROL					TEMPORARY EROSION CONTROL	
LOG MILE	LOG MILE	LOCATION	SEEDING	LIME	MULCH COVER	WATER	SECOND SEEDING APPLICATION	SILT FENCE	*SEDIMENT REMOVAL & DISPOSAL
								(E-11)	
			ACRE	TON	ACRE	M.GAL.	ACRE	LIN.FT.	CU. YD.
ENTIRE	PROJECT	TO BE USED IF AND WHERE	0.83	1.66	0.83	84.7	0.83	6300	233
		DIRECTED BY THE ENGINEER							
TOTALS:			0.83	1.66	0.83	84.7	0.83	6300	233

BASIS OF ESTIMATE:

...2 TONS / ACRE OF SEEDING

DETER EROSION AND SEDIMENTATION ON U.S. WATERWAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.

*QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

### **CLEANING AND FILLING JOINTS**

LOG MILE	LOG MILE	LOCATION	JOINTS	AVG. LENGTH PER JOINT	AVG. WIDTH PER JOINT	CLEANING AND FILLING JOINTS
			EACH	LIN.	FT.	LIN. FT.
100.000	107.640	W.B. I-30	2660	45	26	188860
100.000	110.160	E.B.I-30	3519	45	26	249849
TOTAL:						438709.00

### PORTLAND CEMENT CONCRETE PAVEMENT PATCHING OF EXISTING ROADWAY

LOG MILE	LOG MILE	LOCATION	SLABS	12" U.T.
				SQ. YD.
100.000	101.000	E.B. I-30	4	37
100.000	101.000	W.B.I-30	4	37
101.000	102.000	E.B. I-30	6	56
101.000	102.000	W.B.I-30	15	140
102.000	103.000	E.B. I-30	11	103
103.000	104.000	E.B. I-30	6	56
103.000	104.000	W.B.I-30	11	103
104.000	105.000	E.B. I-30	1	9
105.000	106.000	E.B. I-30	2	19
105.000	106.000	W.B.I-30	7	65
108.000	109.000	E.B. I-30	1	9
109.000	110.000	W.B.I-30	4	37
ΤΟΤΑΙ				671.00

NOTE: QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

### PORTLAND CEMENT CONCRETE PAVEMENT - MAIN LANES PORTLAND CEMENT

				CONCRETE PAVEMENT		
LOG MILE	LOG MILE	LOCATION	SLABS	AVG. WIDTH	12" U.T.	
				FEET	SQ. YD.	
100.231	100.237	W.B. I-30	2	12.00	40.00	
100.231	100.240	W.B. I-30	3	14.00	70.00	
101.824	101.827	E.B.I-30	1	14.00	23.33	
101.833	101.836	E.B. I-30	1	14.00	23.33	
102.532	102.535	E.B. I-30	1	14.00	23.33	
102.551	102.554	E.B. I-30	1	14.00	23.33	
103.226	103.229	W.B. I-30	1	14.00	23.33	
103.232	103.235	W.B. I-30	1	14.00	23.33	
103.356	103.359	E.B. I-30	1	14.00	23.33	
105.279	105.282	E.B. I-30	1	14.00	23.33	
TOTALS:					296.64	

London.Miller 5/22/2023 3:02:12 PM WORKSPACE: London.Miller cs:Vusers:Sybublic:mbipw16:vd0108458\R061750_08_0TY_001.dgn REVISED DATE: \$\$REVDATE\$

TOTALS: NOTE: QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

### **GRINDING PORTLAND CEMENT CONCRETE PAVEMENT**

LOG MILE	LOCATION	LENGTH	AVG. WIDTH	GRINDING PORTLAND CEMEMNT CONCRETE PAVEMENT
		FT.	FT.	SQ. YD.
110.160	E.B. I-30	53645	26	154974
107.640	W.B. I-30	40339	26	116535
		93984		271509.00
	LOG MILE 110.160 107.640	LOG MILE LOCATION	LOG MILE LOCATION LENGTH 110.160 E.B. I-30 53645 107.640 W.B. I-30 40339 93984	LOG MILE LOCATION LENGTH AVG. WIDTH 110.160 E.B.I-30 53645 26 107.640 W.B.I-30 40339 26 93984

	4" PIPE UNDERDRAIN									
LOG MILE	LOG MILE	LOCATIONS	FLUSHING UNDERDRAIN	UNDERDRAIN VIDEO INSPECTION						
			LIN. FT.	LIN, FT.						
ENTIRE	PROJECT	TO BE USED IF AND WHERE	21052	105262						
		DIRECTED BY THE ENGINEER								
TOTALS:	FOTALS: 21052 105262									
NOTE: OUAN	ITITY COTIMA	TED								

* NOTE: QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

UNDERDRAIN OUTLET PROTECTORS TO BE REPLACED OR REPAIRED IF AND WHERE DIRECTED BY THE ENGINEER

### DOWEL BAR RETROFIT

LOG MILE	LOG MILE		IONTS	DOWEL BAR RETROFIT		
		LOCATION	301013	BARS/JOINT	BARS	
			EACH		EACH	
100.000	110.160	E.B.I-30	3579	12	42948	
100.000	107.640	W.B. I-30	2660	12	31920	
TOTAL:					74868.00	

### HIGH DENSITY POLYURETHANE FOAM

			PANELS		LEVELING RSEALING	HDPF FOR SOIL DENSIFICATION
LUG MILE		LOCATIONS	EACH	GAL/ PANEL	GAL	GAL
100.000	101.000	E.B. I-30	4	VAR.	125.00	
101.000	102.000	E.B. I-30	79	VAR.	2468.75	
101.000	102.000	W.B.I-30	19	VAR.	593.75	
102.000	103.000	E.B. I-30	100	VAR.	3125.00	
102.000	103.000	W.B.I-30	80	VAR.	2500.00	
103.000	104.000	E.B. I-30	100	VAR.	3125.00	
103.000	104.000	W.B.I-30	106	VAR.	3312.50	
104.000	105.000	E.B. I-30	18	VAR.	562.50	
104.000	105.000	W.B.I-30	42	VAR.	1312.50	
105.000	106.000	E.B. I-30	10	VAR.	312.50	
105.000	106.000	W.B.I-30	6	VAR.	187.50	
106.000	107.000	E.B. I-30	2	VAR.	62.50	
106.000	107.000	W.B.I-30	3	VAR.	93.75	
107.000	108.000	E.B. I-30	28	VAR.	875.00	
108.000	109.000	E.B. I-30	15	VAR.	468.75	
109.000	110.000	E.B. I-30	11	VAR.	343.75	
ENTIRE	PROJECT	TO BE USED IF AND WHERE DIRECTED				5000.00
		BY THE ENGINEER				
TOTALS:					19468.75	5000.00

NOTE: QUANTITIES ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

### **BASE AND SURFACING - GUARDRAIL WIDENING**

				AGGREG	AGGREGATE BASE COURSE (CLASS 7)		ACHM SURFACE COURSE (1/2")			
LOG MILE	LOG MILE	LOCATION	LENGIN	TON/	TON	AVG. WID.	SQ.YD.	POUND /	PG 76-22	
			FEET	UTATION		FEET		04.10.	TON	
100.134	100.190	RT. OF I-30 E.B.	336.75	54.00	45.46	5.50	205.79	220.00	5.66	
100.200	100.256	LT. OF I-30 W.B.	336.75	54.00	45.46	5.50	205.79	220.00	5.66	
101.774	101.825	LT. OF I-30 W.B.	311.75	54.00	42.09	5.50	190.51	220.00	5.24	
101.774	101.834	RT. OF I-30 W.B.	361.75	54.00	48.84	5.50	221.07	220.00	6.08	
103.690	103.741	BRIDGE A3430 - LT. OF I-30 W.B.	311.75	54.00	42.09	5.50	190.51	220.00	5.24	
103.690	103.750	BRIDGE A3430 - RT. OF I-30 W.B.	361.75	54.00	48.84	5.50	221.07	220.00	6.08	
104.140	104.191	BRIDGE A3431- LT. OF I-30 W.B.	311.75	54.00	42.09	5.50	190.51	220.00	5.24	
104.140	104.200	BRIDGE A3431- RT. OF I-30 W B.	361.75	54.00	48.84	5.50	221.07	220.00	6.08	
104.460	104.520	BRIDGE B3432 - LT. OF I-30 E.B.	361.75	54.00	48.84	5.50	221.07	220.00	6.08	
104.469	104.520	BRIDGE B3432 - RT. OF I-30 E.B.	311.75	54.00	42.09	5.50	190.51	220.00	5.24	
104.543	104.599	BRIDGE A3432 - LT. OF I-30 W.B.	336.75	54.00	45.46	5.50	205.79	220.00	5.66	
104.543	104.613	BRIDGE A3432 - RT. OF I-30 W.B.	411.75	54.00	55.59	5.50	251.63	220.00	6.92	
105.210	105.280	BRIDGE B3245 - LT. OF I-30 E.B.	411.75	54.00	55.59	5.50	251.63	220.00	6.92	
105.224	105.280	BRIDGE B3245 - RT. OF I-30 E.B.	336.75	54.00	45.46	5.50	205.79	220.00	5.66	
105.308	105.364	BRIDGE A3245 - LT. OF I-30 W.B.	336.75	54.00	45.46	5.50	205.79	220.00	5.66	
105.308	105.378	BRIDGE A3245 - RT. OF I-30 W.B.	411.75	54.00	55.59	5.50	251.63	220.00	6.92	
106.270	106.310	RT. OF I-30 E.B.	261.75	54.00	35.34	5.50	159.96	220.00	4.40	
106.320	106.360	LT. OF I-30 W.B.	261.75	54.00	35.34	5.50	159.96	220.00	4.40	
108.390	108.430	LT. & RT. OF I-30 E.B.	523.50	54.00	70.67	5.50	319.92	220.00	8.80	
109.930	109.970	RT. OF I-30 E.B.	261.75	54.00	35.34	5.50	159.96	220.00	4.40	
TOTALS:					934.48		4229.96		116.34	
BASIS OF ES										

ACHM SURFACE COURSE (1/2")...... MAXIMUM NUMBER OF GYRATIONS = 205 FOR PG 76-22

				QUANTITIES		
		6	ARK.	061750	15	20
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS



						DG MILE BRIDGE NO.	SP & 509	SS & 804	SS & 809	SP JOB 061750	SP JOB 061750	SP JOB 061750	SP JOB 061750
DISTRICT	SITE NO.	COUNTY	ROUTE	SECTION	LOG MILE		JOINT REHABILITATION (TYPE A)	EPOXY COATED REINFORCING STEEL (GRADE 60)	SILICONE JOINT SEALANT	BRIDGE BACKWALL MODIFICATION	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS	BRIDGE JOINT MODIFICATION	POLYMER OVERLAY
							LIN. FT.	POUND	LIN. FT.	SQ. FT.	SQ. FT.	SQ.FT	SQ. YD.
	1	HOT SPRING	I-30	21	103.69	A3430 ①		410	87 ④	40 (5)	472.0	40 6	1,048.9
	2	HOT SPRING	I-30	21	103.70	B3430 ①		410	87 ④		472.0	40 6	1,048.9
	3	HOT SPRING	I-30	21	104.14	A3431 ①		190	179 ④		222.0	40 ⑥	493.4
C	4	HOT SPRING	I-30	21	104.15	B3431 ①		190	179 ④		222.0		493.4
0	5	HOT SPRING	I-30	21	104.52	A3432 ①②	200	210			240.0		533.4
	6	HOT SPRING	I-30	21	104.52	B3432 ①	200	210			240.0		533.4
	7	HOT SPRING	I-30	21	105.28	A3245 ①	240	260			300.0		666.7
	8	HOT SPRING	I-30	21	105.28	B3245 ①	240	260			300.0		666.7
	TOTALS FOR JOB 061750       880       2,140 ③       532       40       2,468.0 ③       120       5,484.8									5,484.8			

SCHEDULE OF BRIDGE QUANTITIES - JOB. NO. 061750

### REFERENCE TABLE

BRIDGE NO.	EXISTING DWG. NO.
A3430	38970, 38974, 38977
B3430	38971, 38977
A3431	38982, 38989, 38990
B3431	38983
A3432	34397
B3432	34397
A3245	34401
B3245	34401A

①EXISTING BRIDGE DECK HAS NO ASPHALT OVERLAY.

②EXISTING BRIDGE DECK HAS SPALLS FILLED WITH ASPHALT.

③QUANTITY SHOWN IS FOR ESTIMATING AND BIDDING PURPOSES ONLY. ACTUAL QUANTITY, IF ANY, WILL BE DETERMINED IN THE FIELD.

(3) existing bridge has filled joints to be removed and replaced with poured silicone joints.

⑤SEE DWG. NO. 66073 FOR DETAILS OF BACKWALL MODIFICATION. AVERAGE DEPTH OF REPAIR IS ESTIMATED TO BE 2".

⑥SEE DWG. NO. 66074 FOR DETAILS OF JOINT MODIFICATION. AVERAGE DEPTH OF REPAIR IS ESTIMATED TO BE 2".

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS		
		6	ARK.	061750	16	20		
		DISTRICT 6 BRIDGES - QUANTITIES - 66071						



# SCHEDULE OF BRIDGE QUANTITIES ROCKPORT - HWY. 70 (S) ROUTE I-30 SECTION 21 ARKANSAS STATE HIGHWAY COMMISSION

### LITTLE ROCK, ARK.

DRAWN BY:	ERBB	DATE:	12/2022	FILENAME:	B061750_Q1.DGN
CHECKED BY:	MKL	DATE:	12/2022	SCALE:	NONE
DESIGNED BY:	ERBB	DATE:	12/2022		
BRIDGE NO	DISTRICT 6 BR	IDGES		DRAW	'ING NO. 66071

	SUMMARY OF QUANTITIES								
ITEM NUMBER	ITEM	QUANTITY	UNIT						
SP	SPECIAL CLEARING	1136	STATION						
202	REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT	297	SQ. YD.						
202	REMOVAL AND DISPOSAL OF GUARDRAIL	6019	LIN.FT.						
SP, SS, & 210	UNCLASSIFIED EXCAVATION	350	CU.YD.						
SP & 210	COMPACTED EMBANKMENT	200	CU.YD.						
SP, SS, & 303	AGGREGATE BASE COURSE (CLASS 7)	934	TON						
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	110	TON						
SP, SS, & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	6	TON						
SP, SS, & 501	PORTLAND CEMENT CONCRETE PAVEMENT (12" UNIFORM THICKNESS)	297	SQ. YD.						
SS & 507	REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT FOR PATCHING	671	SQ. YD.						
SP, SS, & 507	PORTLAND CEMENT CONCRETE PAVEMENT PATCHING (12" UNIFORM THICKNESS)	671	SQ. YD.						
SP	HDPF FOR LEVELING AND UNDERSEALING	19469	GAL.						
SP	HDPF FOR SOIL DENSIFICATION	5000	GAL.						
SP, SS, & 510	GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	271509	SQ. YD.						
512	CLEANING AND FILLING JOINTS IN EXISTING CONCRETE PAVEMENT (TYPE 7)	438709	LIN.FT.						
601	MOBILIZATION	1.00	LUMP SU						
SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SU						
SS & 604	SIGNS	1646	SQ.FT.						
SP	AWIS MOBILIZATION	1	LUMP SU						
SP	AWIS OPERATION	36	MONTH						
SP	DEVICE RELOCATION	72	EACH						
SP	FURNISH AND INSTALL CLOSED CIRCUIT TELEVISION SYSTEM	4	EACH						
SP	FURNISH AND INSTALL VARIABLE MESSAGE SIGN	8	EACH						
SP	FURNISH AND INSTALL VEHICLE DETECTION SYSTEM	16	EACH						
SP, SS, & 604	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	4	EACH						
SS & 604	TRAFFIC DRUMS	492	EACH						
604	CONSTRUCTION PAVEMENT MARKINGS	255420	LIN.FT.						
SS & 604	ADVANCE WARNING ARROW PANEL	1095	DAY						
SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	156	WEEK						
SP, SS, & 611	UNDERDRAIN VIDEO INSPECTION	105262	LIN.FT.						
SP	FLUSHING UNDERDRAIN	21052	LIN.FT.						
SS & 617	GUARDRAIL (TYPE A)	4575	LIN.FT.						
<u>SS &amp; 617</u>	GUARDRAIL TERMINAL (TYPE 2)	21	EACH						
SS & 617	THRIE BEAM GUARDRAIL TERMINAL	21	EACH						
620		2	TON						
620	SEEDING	0.83	ACRE						
SS & 620	MULCH COVER	0.83	ACRE						
620	WATER	84.7	M. GAL.						
621	SILT FENCE	6300	LIN FT						
621	SEDIMENT REMOVAL AND DISPOSAL	233	CU.YD.						
623	SECOND SEEDING APPLICATION	0.83	ACRE						
635		1.00	LOWD SO						
<u>SP</u>	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	141900	LIN.FT.						
<u>SP</u>	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	4765	LIN.FT.						
<u>SP</u>	ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6°)	113520							
/21	RAISED PAVEMENT MARKERS (TYPE II)	1829	EACH						
SP	DOWEL BAR RETROFIT FOR PCCP	/4868	EACH						
	STRUCTURES OVER 20' SPAN								
SP & 509	JOINT REHABILITATION (TYPE A)	880	LIN. FT						
SS & 804	EPOXY COATED REINFORCING STEEL (GRADE 60)	2140							
SS & 809		532							
SP	BRIDGE BACKWALL MODIFICATION	40	SQ.FT						
SP	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS	2468.0	SQ FT						
SP		120	SO FT						
SP		5484.8	SO YD						
0		0-04.0	1 00.10.						

### REVISIONS

DATE	REVISION	SHEET NUMBER
6/9/2023	REVISED TITLE SHEET. REVISED GOVERNING SPECIFICATIONS. REMOVED "REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS".	1,3,14,17
6/22/2023	REVISED AUTOMATED WORK ZONE INFORMATION SYSTEM QUANTITES.	14 & 17

DATE	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
6/9/2023		6	ARK.	061750	17	20
6/22/2023		SUM	MARY O	F QUANTITIES	AND REV	ISIONS



SUMMARY OF QUANTITIES AND REVISIONS

### BRIDGE PRESERVATION DATA TABLE

(DISTRICT 6)

CURRENT CONST. CONTRACT SITE NO.	BRIDGE NO.	ORIGINAL CONTRACT NO(S).	COUNTY	ROUTE	SECTION	DECK TREATMENT TYPE	THRIE-BEAM GUARDRAIL CONNECTION PRESENT?	THRIE-BEAM GUARDRAIL RETROFIT	BRIDGE JOINT TREATMENT STD, DRAWING	BRIDGE JOINT TREATMENT LOCATION
1	A3430	6685 & 060591	HOT SPRING	I-30	21	POLYMER OVERLAY	NO	DRILL HOLES IN TRANSITION RAIL TO RECEIVE NEW THRIE BEAM ATTACHMENT	55064 WITH BACKWALL MODIFICATION (SEE DWG. NO. 66073) AND JOINT MODIFICATION (SEE DWG. NO. 66074).	JOINT MODIFICATION: BENT 1 BACKWALL MODIFICATION: BENT 5
2	B3430	6685 & 060591	HOT SPRING	I-30	21	POLYMER OVERLAY	YES	N/A	55064 WITH JOINT MODIFICATION (SEE DWG. NO. 66074).	55064: BENT 1 JOINT MODIFICATION: BENT 5
3	A3431	6685 & 060591	HOT SPRING	I-30	21	POLYMER OVERLAY	NO	DRILL HOLES IN TRANSITION RAIL TO RECEIVE NEW THRIE BEAM ATTACHMENT	55064 WITH JOINT MODIFICATION (SEE DWG. NO. 66074).	JOINT MODIFICATION: BENT 1 55064: BENTS 2-4
4	B3431	6685 & 060591	HOT SPRING	I-30	21	Polymer overlay	YES	N/A	55064	BENTS 1-4
5	A3432	6685 & 060616	HOT SPRING	I-30	21	POLYMER OVERLAY	NO	DRILL HOLES IN TRANSITION RAIL TO RECEIVE NEW THRIE BEAM ATTACHMENT	NO STD. DWG USE TYPE A JOINT REHAB AND SP. SEE ROADWAY SPECIAL DETAILS.	BENTS 1-5
6	B3432	6685 & 060616	HOT SPRING	I-30	21	POLYMER OVERLAY	NO	DRILL HOLES IN TRANSITION RAIL TO RECEIVE NEW THRIE BEAM ATTACHMENT	NO STD. DWG USE TYPE A JOINT REHAB AND SP. SEE ROADWAY SPECIAL DETAILS.	BENTS 1-5
7	A3245	6684 & 060616	HOT SPRING	I-30	21	POLYMER OVERLAY	NO	DRILL HOLES IN TRANSITION RAIL TO RECEIVE NEW THRIE BEAM ATTACHMENT	NO STD. DWG USE TYPE A JOINT REHAB AND SP. SEE ROADWAY SPECIAL DETAILS.	BENTS 1-6
8	B3245	6684 & 060616	HOT SPRING	I-30	21	POLYMER OVERLAY	NO	DRILL HOLES IN TRANSITION RAIL TO RECEIVE NEW THRIE BEAM ATTACHMENT	NO STD. DWG USE TYPE A JOINT REHAB AND SP. SEE ROADWAY SPECIAL DETAILS.	BENTS 1-6



3061750_DT6.dgn 08439 ec. Å ley. Megan.Land 3/31/2023 II:16:24 AM WORKSPACE: ARDDT c:/users/megan.land/appdata/local/ben

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
		6	ARK.	061750	18	20	
		DISTRICT 6 BRIDGES - BRIDGE DATA - 66072					

### BRIDGE PRESERVATION DATA TABLE DISTRICT 6 ROUTE I-30 SECTION 21 ARKANSAS STATE HIGHWAY COMMISSION

### LITTLE ROCK, ARK.

DRAWN BY:	ERBB	DATE:	12/2022	FILENAME:	B061750_DT6.DGN
CHECKED BY:	MKL	DATE:	12/2022	SCALE:	NONE
DESIGNED BY:	ERBB	DATE:	12/2022		
BRIDGE NO	DISTRICT 6 BR	DRAW	'ING NO. 66072		



DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
		6	ARK.	061750	19	20	
		A3430 - BACKWALL MODIFICATION - 66073					

### GENERAL NOTES

The proposed work is to be done in phases and consists of the removal of portions of the existing abutment backwall to sound concrete and replacement with elastomeric mortar in accordance with the details and SP Job 061750 "Bridge Backwall Modification" as well as joint repair. Stage construction phases shall be consistent with the Maintenance of Traffic Details. Backwall repair for both phases of construction shall be paid for as "BRIDGE BACKWALL MODIFICATION". Joint repair for both phases of construction shall be paid for as "SILICONE JOINT SEALANT".

Dimensions shown are based on original plans and limited field measurements. The Contractor shall check measurements and inspect conditions of concrete and joint armor anchorage and make adjustments to lengths and depths as necessary.

All material removed and not incorporated into the finished property shall become the property of the Contractor and shall be removed and disposed of

Material used in the repair areas shall be elastomeric mortar in accordance with the requirements of SP Job 061750 "Bridge Backwall Modification".

Any repairs required between stage construction phases should be transitioned in accordance with the manufacturer's recommendations.



See "POURED SILICONE JOINT SEAL DETAILS" on Std. Dwg. No. 55064 for additional information.



### BACKWALL MODIFICATION DETAILS ROUTE I-30 SECTION 21 ARKANSAS STATE HIGHWAY COMMISSION

BRIDGE NO. A3430

LITTLE ROCK, ARK.

 DRAWN BY:
 MKL
 DATE:
 03/2023
 FILENAME:
 B061750_BW1.DGN

 CHECKED BY:
 ERBB
 DATE:
 03/2023
 SCALE:
 AS SHOWN

 DESIGNED BY:
 MKL
 DATE:
 03/2023
 SCALE:
 AS SHOWN

DRAWING NO. 66073

### LEGEND



Left Lane Closure in accordance with Maintenance of Traffic Plans. After joint repairs are complete, the existing expansion joint shall be repaired per "DETAIL A".

Denotes approximate extents of Joint Modification corresponding with

Denotes approximate extents of Joint Modification corresponding with Right Lane Closure in accordance with Maintenance of Traffic Plans. After joint repairs are complete, the existing expansion joint shall be repaired per "DETAIL A".



SITE NO. 1 - BRIDGE A3430 1/4" = 1'-0"

SITE NO. 2 - BRIDGE B3430 1/4" = 1'-0"



SITE NO. 3 - BRIDGE A3431 1/4" = 1'-0"



N. N. R.

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
		6	ARK.	061750	20	20	
		A3430, B3430, & A3431 - JOINT MODIFICATION - 6607					

### **GENERAL NOTES**

The proposed work is to be done in phases and consists of the removal of portions of the existing deck at Bent 1 of Bridge No. A3430, at Bent 5 of Bridge No. B3430, and at Bent 1 of Bridge No. A3431 to sound concrete and replacement with elastomeric mortar in accordance with the details and SP Job 061750 "Bridge Joint Modification". Stage construction phases shall be consistent with the Maintenance of Traffic Details. Deck repair for the extents shown shall be paid for as "BRIDGE JOINT MODIFICATION". The poured silicone joint seal shall be paid for as "SILICONE JOINT SEALANT".

Dimensions shown are based on original plans and limited field measurements. The Contractor shall check measurements and inspect conditions of concrete and joint armor anchorage and make adjustments to lengths and depths as necessary.

All material removed and not incorporated into the finished property shall become the property of the Contractor and shall be removed and disposed of

Material used in the repair areas shall be elastomeric mortar in accordance with the requirements of SP Job 061750 "Bridge Joint Modification"

Any repairs required between stage construction phases should be transitioned in accordance with the manufacturer's recommendations.



No Scale NOTE: See "POURED SILICONE JOINT SEAL DETAILS" on Std. Dwg. No. 55064 for additional information.



### JOINT MODIFICATION DETAILS ROUTE I-30 SECTION 21 ARKANSAS STATE HIGHWAY COMMISSION

### LITTLE ROCK, ARK.

DRAWN BY	мкі	DATE	03/2023	ETI ENAME.	B061750 JT.DGN
CHECKED BY	FRBB	DATE:	03/2023	SCALE:	AS SHOWN
DESIGNED BY	MKI	DATE	03/2023	JCALL.	
DESIGNED DI.					
BRIDGE NO	. A3430, B343	DRAW	/ING NO. 66074		





JOINT CONFIGURATION FOR TYPE 3 OR 4 JOINT SEALANT JOINT SEALANT BACKER ROD DIAMETER ROD DIAMETER JEPTH Q INCHES V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V
JOINT CONFIGURATION FOR TYPE 5 JOINT SEALANT JOINT SEALANT BACKER ROD UIAMETER COPTH (2) INCHES
P.C.C. PAVEMENT
GENERAL NOTES GENERAL NOTES I. '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 ¼' WILL BE ALLOWED FOR THE TILT AND SKW. 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 'A', 'S' OR PAVING CONCRETE. PAYMENT FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE JOINT SUPPORT SHALL BE INCLUDED IN THE PLANS. PAYMENT FOR ALL OTHER WORK AND MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE JOINT SUPPORT SHALL BE INCLUDED IN THE PLANS. PAYMENT FOR 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. CONTRACTION JOINTS SHALL MATCH CONTRACTION JOINTS IN THE LANES. 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



POSTS AND BLOCKS	TO BE ¾" DIA.
	$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\$
BOL T	7%" 5%" 5%"×9"B0L⊺
_	"""""""""""""""""""""""""""""""""""""
<u> </u>	34.
NS P	LASTIC BLOCKOUT CONNECTIONS
EL LINE PO (W-BEAM)	ST CONNECTIONS
N POSTS AND BLOCKS	5 TO BE ∛4" DIA.
	GALVANIZED IGO NAL CUT STEEL GALVANIZED IGO NAL WASHER TO PREVENT BLOCK AND NUT ROTATION
-	× × ×
AWN 6"X8"	
TIONS	PLASTIC BLOCKOUT CONNECTIONS
DD LINE PO	ST CONNECTIONS
(W-BEAM)	
RAISED	-1
N	
PLASTIC EL POST TAILS OF	-
ENDS	
ETED CONC. LETED DET. CURB & ROCK.& POST F, REVISED	
F TRAFFIC" ASHERS	
8-5-93	ARKANSAS STATE HIGHWAY COMMISSION
NC. POST 8-2-90	
NOTES S & POST 780-3-4-8	GUARDRAIL DETAILS
NL 546-10-30- 802-10-9-	87 STANDARD DRAWING GR-6
FILMED	





		ARKANSAS STATE HIGHWAY COMMISSION			
TAU C					
ATION OF		GUARDRAIL DETAILS			
	1-12-00				
	10-1-92	STANDARD DRAWING GR-8			
	DATE FILM				



		ARKANSAS STATE HIGHWAY COMMISSION				
		GUARDRAIL DETAILS				
C1011	0.475 58.94	STANDARD DRAWING GR-9				
SION	DATE FILM					



SPECIAL END SHOE



GENERAL NOTES:





THRIE BEAM RAIL







STRUCTURAL STEEL TUBING BLOCKOUT DETAIL



THRIE BEAM RAIL SPLICE AT POST



# HOLE PUNCHING DETAIL OR PLASTIC BLOCKOUTS

THE THRIE BEAM RAIL, SPECIAL END SHOE, AND THE TRANSITION SECTION SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE. ZINC COATING SHALL BE TYPE I. RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN  $3^{\pm}4''$  BEYOND IT.

ALL LAP SPLICES, INCLUDING SPECIAL END SHOES, SHALL BE MADE IN THE DIRECTION SHOWN ON STANDARD DRAWINGS GR-8 & GR-13.

THRIE BEAM POSTS SHALL BE SAME MATERIAL AS W-BEAM POSTS FOR ENTIRE JOB.

USE THRIE BEAM GUARDRAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB.

WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. ISTRUCTURAL OR BETTER 9.7f (1400 f) OR NO. 1 1350 f SOUTHERN PINE.

REFER TO STD. DRWG. GR-II FOR POST DETAILS.

NOTE: BLOCKS SHALL BE THE SAME TYPE THROUGHOUT THE PROJECT LIMITS.

# FOR STEEL POST & WOOD

### 11-07-19 RENAMED AND REVISED REFEREN REVISED TRANSITION SECTION, GU HEIGHT, AND GENERAL NOTES; MO THRIE BEAM GUARD RAIL CONNEC BRIDGES ENDS TO STD. DRWG, GR 11-16-17 RAISED HEIGHT OF W-BEAM I" ADDED PLASTIC BLOCKOUTS 07-14-1-29-07 11-10-05 DIMENSION LINES 05-18-00 03-30-00 DRAWN & ISSUED DATE REVISION

# TRANSITION SECTION



### CONNECTOR PLATE

CONNECTOR PLATE SHALL BE AASHTO M270, GR. 36 AND SHALL BE GALVANIZED AFTER FABRICATION. GALVANIZING SHALL CONFORM TO SUBSECTION 807.19 OF THE STANDARD SPECIFICATIONS. CONNECTOR PLATE TO BE BOLTED TO SPECIAL END SHOE USING%" DIA. HIGH STRENGTH BOLTS, WITH THE HEADS PLACED ON THE TRAFFIC FACE. WASHERS SHALL BE USED UNDER THE HEAD AND NUT. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AND SHALL CONFORM TO SUBSECTION 807.06.

CES INFORMAL VED TOTORS AT TOTOL ARKANSAS STATE HIGHWAY COMMISSION			
ARC RAIL VED TIONS AT 12 EEL ARKANSAS STATE HIGHWAY COMMISSION GUARDRAIL DETAILS	CES		
EEL ARKANSAS STATE HIGHWAY COMMISSION GUARDRAIL DETAILS	IARD RAIL VED CTIONS AT R-12		
GUARDRAIL DETAILS	EEL		ARKANSAS STATE HIGHWAY COMMISSION
			GUARDRAIL DETAILS
FILMED STANDARD DRAWING GR-IO		FILMED	STANDARD DRAWING GR-IO



THRIE BEAM RAIL WITH STEEL TUBING BLOCKOUT AND STEEL POST POSTS I-7



W-BEAM TO THRIE BEAM TRANSITION RAIL WITH WOOD OR PLASTIC BLOCKOUT AND STEEL POST POST 8



THRIE BEAM RAIL WITH WOOD OR PLASTIC BLOCKOUTS & WOOD POSTS POSTS I-6



THRIE BEAM RAIL WITH WOOD OR PLASTIC BLOCKOUT & WOOD POST POST 7



W-BEAM TO THRIE BEAM TRANSITION RAIL WITH WOOD OR PLASTIC BLOCKOUT & WOOD POS POST 8

11-07-19 RENAMED REVISED GUARDRAIL HEIGHT, CH 11-16-17 REVISION DATE

GENERAL NOTES: RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. ISTRUCTURAL OR BETTER 9.7f (1400 f) OR NO. I 1350 f SOUTHERN PINE.

UR	
20°	Т
	-

		ARKANSAS	STATE	HIGHWAY	COMMISSION
ANGED A TO GR-II		] G	UARDR	AIL DETA	LS
	FILMED			DIVAMIN	





THE THRIE BEAM RAIL, SPECIAL END SHOE, AND THE TRANSITION SECTION SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE. ZINC COATING SHALL BE TYPE I.

RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN  $3/4^{\prime\prime}$  BEYOND IT.

ALL LAP SPLICES, INCLUDING SPECIAL END SHOES, SHALL BE MADE IN THE DIRECTION SHOWN ON STANDARD DRAWINGS GR-8 & GR-13.

REFER TO STD. DRWG. GR-IIFOR POST DETAILS. USE THRIE BEAM GUARDRAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB. THRIE BEAM POSTS SHALL BE SAME MATERIAL AS W-BEAM POSTS FOR ENTIRE JOB. POSTS SHALL NOT BE PLACED AT SPLICE LOCATIONS ALONG W-BEAM RAILS. WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. ISTRUCTURAL OR BETTER 9.77 (1400 f) OR NO. II350 f SOUTHERN PINE.



		ARKANSAS STATE HIGHWAY COMMISSION
FC		GUARDRAIL DETAILS
io & Issued	FILMED	STANDARD DRAWING GR-12



LL, RAISED ISED POST IMBER FROM		
OF		
		ARKANSAS STATE HIGHWAY COMMISSION
M		
TE		CONCRETE BARRIER WALL
	10-1-92	(DED DOTECTION TYPE A)
SARR.	8-15-91	TIER FRUIECTION TIFE A
	594-2-16-89	
	FILMED	STANDARD DRAWING GR-15



Ε.		ARKANSAS STATE HIGHWAY COMMISSION					
LUCATION							
•		GUARDRAIL DETAILS					
)							
	II-II-92						
	10-1-92	STANDARD DRAWING GRT-I					
	FILMED						



FILMED





3. EXISTING 4" PIPE UNDERDRAINS MAY BE CONNECTED TO PROPOSED DROP INLETS OR EXTENDED WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR CONNECTING TO DROP INLETS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "4" PIPE UNDERDRAINS."

5. PAYMENT FOR THE RODENT SCREEN SHALL BE INCLUDED IN THE PRICE BID PER EACH FOR "UNDERDRAIN OUTLET PROTECTORS."

								ADVANCE DISTANCES
RI-I	RI-2	R2-I	W3-5	W3-5a	R4-I	R4-2		500 FT 1/2 MILE
		SPEED		$\wedge$		PASS		1000 FT 94 MILE 1500 FT I MILE
CTAD	HELD	LIMIT	SPEED	XX MPH			GENERAL NOTES:	AHEAD
JUL				SPEED ZONE			I. ALL TRAFFIC CONTROL DEVICE	S USED ON ROAD CONSTRUCTION SHALL CONFORM TO AFFIC CONTROL DEVICES LATEST FDITION AND TO THE
				AHEAU	PASS		STANDARD HIGHWAY SIGNS, LAT HIGHWAY ADMINISTRATION.	TEST EDITION, OR AS APPROVED BY THE FEDERAL
				$\checkmark$			2. TRAFFIC CONTROL DEVICES SH	ALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION
STANDARD 30"X30"	STD 36"X36"X36"	STD. 24"X30"	STD. 36"X36"	STD. 36"X36"	STD. 24"X30"	STD. 24"X30"	OPERATIONS AND SHALL BE PP EXIST. THEY SHALL REMAIN IN	ROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER.
EXPRESSWAY 36"X36" SPECIAL 48"X48"	EXPWY. 48"X48"X48" EWY 60"X60"X60"	FWY. 48"X60"	FWY. 48"X48"	FWY. 48"X48"	EXPWY. 36"X48" FWY. 48"X60"	EXPWY. 36"X48" FWY. 48"X60"	3. EXISTING SIGNS AND CONSTRUC	CTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE
R5-1	RII-2	RII-3A	RII-4	W2I-5a	WI-I	WI-2	- SHALL BE REMOVED. SIGNS TH DURING CONSTRUCTION SHALL	AT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT BE CLEANED, REPAIRED, OR REPLACED.
				$\wedge$			• 4. SIGNS ARE USUALLY MOUNTED	ON A SINGLE POST. ALTHOUGH THOSE WIDER THAN 36"
DO NOT		(ROAD CLOSED)	(ROAD CLOSED)	RIGHT			OR LARGER THAN IO SO.FT.S BARRICADE.	HALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III
	I RUAD		TO TO	SHOULDER			• 5. SIGN POSTS DIRECT BURIED IN WOOD POSTS, CHANNEL POSTS	SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"×4" S SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED
ENTER		LOCAL TRAFFIC ONLY	THRU TRAFFIC	CLOSED			WHITE. ALL POSTS SHALL BE N REPAIRED AS NEEDED FOR THE	EATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN
				$\sim$			2 POSTS IN A 7' PATH FOR WO SHALL BE IN ACCORDANCE WIT	00D OR CHANNEL POSTS. ANY CHANNEL POST SPLICE H STANDARD DRAWING TC-3.
STD. 30"X30" EXPWY. 36"X36"	48"X30"	60"X30"	60"X30"	STD. 36"X36" FWY. 48"X48"	STD. 36"X36"	STD. 36"X36" FWY. 49"X49"	6. POST MOUNTED SIGNS IN RURA	AL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF
SPECIAL 48"X48"						40 ×40	BARRICADE MOUNTED SIGNS SH	ALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT
WI-3	WI-4	WI-6	WI-8	W3-I	W3-2	W4-2	7. ALL POST AND BARRICADE MOL A MINIMUM DISTANCE OF 7' FRO	JNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED OM THE ROTTOM OF THE SIGN TO THE ROADWAY SURFACE.
							ALL POST AND BARRICADE MOL A MINIMUM DISTANCE OF 7' FRO	INTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED OM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE,
							EXCEPT A MINIMUM OF 6' SHAL WARNING SIGN. TEMPORARY SIG	L BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A NS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR
					$ \setminus \nabla /$		INTERMEDIATE TERM STATIONAR SHALL BE 5'. RETROREFLECTIV	RY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT E DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE
			STD. 18"X24"	$\overline{}$			CONDITIONS. THEY SHALL BE N	RTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE 10 LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY.
		STD. 48"X24" SPECIAL 60"X30"	SPECIAL 24"X30" EXPWY. 30"X36"	STD. 36"X36"	STD. 36"X36"	STD. 36"X36"	NECESSITATE THE USE OF POR PADS CONCRETE OR ROCK BAL	TABLE DE DIRECT BURIED IN SUIL, UNLESS CONDITIONS TABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE
STD. 48"X48"	STD. 48"X48"		FWY. 36"X48"	SPECIAL 48"X48"	SPECIAL 48"X48"	FWT. 48"X48"	WITH PORTABLE SIGN SUPPORT	
W5-I	W6-3	W8-7	W9-2	WI3-I	W20-I	W20-2	W20-3	PADDLES, FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
				$\langle \rangle / \rangle / \rangle$				9. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE
ROAD		LOOSE	LANE ENDS		ROAD	DETOUR	ROAD	USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT RETTER CONVEY TO
NARROWS		GRAVEL	MERGE			XXXXX /		MOTORISTS THE PROPER DIRECTION OF MOVEMENT.
				M.P.H.				IO. R55-ISIGNS SHALL BE PLACED AT LEAST ISOU BUT NOT MORE THAN IMILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN FEFECT.
STD. 36"X36"			STD. 36"X36"				, v	THE SIGN SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE "REDUCED SPEED AHEAD" SIGN.
SPECIAL 48"X48"	EXPWY. 36"X36" SPECIAL 48"X48"	EXPWY. 36"X36" FWY. 48"X48"	FWY. 48"X48"	STD. 24"X24"	STD. 48"X48"	STD. 48"X48"	STD.48"X48"	• NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND
W20-4	W20-5	W20-7a	W2I-2	W2I-5	W24-I	WI-4b	R56-I	VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF MANUAL FOR
W20-4				W21-5	$\wedge$			ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED, COMPLIANCE WITH THE
ONE LANE	RICHT I ANE		FRESH					REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR
							NO	II-07-19 REVISED FOR MASH
	XXXX	₩F 500		Workk			EXIT	4-15-11 DELETED RSP-1 & ADDED W21-50 9-2-15 REVISED REDUCED SPEED LIMIT AHEAD SIGNS REVISED ROAD WORK NEXT XX MILES
		¹⁰ [FEET] ¹⁰ ² 24"	~					12-15-11 REVISED W24-1 11-17-10 DELETED W8-9g & ADDED W8-9
STD. 48"X48"	STD. 48"X48"	STD. 36"X36"	STD. 30"X30" SPECIAL 36"X36"	STD. 30"X30" SPECIAL 36"X36"	STD. 36"X36"	STD. 48"X48"	STD. 18"X18"	10-15-09 ADDED REFERENCE TO MASH & ADDED SIGN W24-1 4-17-08 REVISED SIGN DESIGNATIONS
		FWY. 48"X48"						II-18-04 REVISED NOTES 10-9-03 REVISED NOTE I
W8-II	W8-9		G20-2	OM-3L OM-3R	M4-9	M4-I0	R55-I	II-16-0I REVISED NOTE 7 9-28-00 REVISED NOTE
				YELLOW			FINES DOUBLE	#-18-98         ADDED NOTE           6-26-97         REVISED NOTE 5
	LOW		FND					4-03-97 REVISED NOTE 5 10-18-96 ADDED CONTROLLED ACCESS HWY.SIGN & TO NOTE 7
	SHOULDER					DETUUR		10-12-95 ADDED R55-1 6-8-95 REVISED TO CORRECT SIGN ILLUSTRATIONS 6-8-95
		[[NEXI XX MILES]		BLACK≁			WHEN WORKERS	2-2-95 REVISED PER PART VI, MUTCD SEPT. 3, 1993 8-15-91 DRAWN AND PLACED IN USE
	ř				STD. 30"X24"		ARE PRESENT	DATE   REVISION FILMED ARKANSAS STATE HIGHWAY COMMISSION
STD. 36"X36" FWY. 48"X48"	STD. 36"X36"	60″X24″	48"X24"	I2"X36"	SPECIAL 48"X36" SPECIAL 60"X48"	48″XI8″	36″X60″	STANDARD TRAFFIC CONTROLS
	40 .40						• USE 6" C LETTERS	
							** USE 4" D LETTERS	

MILI	1/2	FT	500
MILE	3/4	FT	1000
MILE	1	FT	1500
HEAD	4		









CH TO BE IN PLACE S COMPLETELY STABILIZED	D.	
FINAL PHASE EMI PHASE 2 EMBANKI PHASE 1 EMBANKM	BANKMENT MENT IENT	
CONTROL DEVICE	ES	
D, AND MULCHED AS TABILIZED IN ALLY.		
INS, SILT FENCES,		
SEEDING. CONSTRUCTION THAN 21 DAYS. Y SEEDING. CONSTRUCTION THAN 21 DAYS. MPORARY SEEDING. TIL ENTIRE		
	ARKANSAS STAT	E HIGHWAY COMMISSION
	TEMPOR CONTR	ARY EROSION OL DEVICES
6-2-94 FILMED	STANDARD	DRAWING TEC-3



EXIT RAMP

EXIT RAMP

DESIGN SPKED V	X Y	NOSE OFFXSET C	LENGTH NOSE TAPER Z	RETURN RADŽIUS R	ADDITIONAL SURFACING SO. YDS.
40	300.0	8.0	96.0	580.0	602.43
50	320.0	10.0	120.0	725.0	687.29
60	340.0	12.0	168.0	1182.0	790.55
70	360.0	14.0	210.0	1582.0	902.27



DETAIL "A"

8-22-02	DELETED NOTE		
11-16-01	CORRECTED SPELLING ON ENTRANCE RAMP NOTE		
5-13-99	ADDED, EDITED AND DELETED NOTES		
II-03-94	ADDED NOTE RE: REINF. BARS		
10-1-92	ADDED DETAIL A & OTHER MINOR CHANGES	10-1-92	l
1-25-90	REVISED EXPANSION JOINT	1-25-90	I FNI
7-15-88	CONFORM D TO 1988 SPECIFICATIONS	65C-7-15-88	
3-2-81	I SSUED	511-10-2-72	
DATE	REVISION	DATE FILM'D	

