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ROADWAY STANDARD DRAWINGS

DRWG.NO.	. TITLE	DATE
CDP-1		12-08-16
GR-6	_ GUARDRAIL DETAILS	11-07-19
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
SHS-1	_ STANDARD HIGHWAY SIGNS AND SUPPORTS ASSEMBLIES	09-12-13
SHS-2	_ U-CHANNEL POSTASSEMBLIES	07-25-19
SHS-3	_ DETAIL OF BREAKAWAY SIGN SUPPORTS FOR GUIDE SIGNS	09-12-13
SHS-4	_ DETAIL OF BREAKAWAY SIGN SUPPORTS FOR STANDARD SIGNS	09-12-13
SHS-5	_ DETAILS OF GUIDE SIGN PANELS	09-12-13
SHS-6	_ MOUNTING DETAILS FOR DEMOUNTABLE LEGEND ON GUIDE SIGNS	09-12-13
SHS-7	_ DETAIL OF OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORTS	09-12-13
TC-1	_ STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-3	_ STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	02-27-20
TC-4	_ STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER	11-07-19
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TEC-3	TEMPORARY EROSION CONTROL DEVICES	11-03-94

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				6	ARK.			
				JOB	NO.	012343	2	153
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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
100-3	CONTRACTOR'S LICENSE
100-4	_ DEPARTMENT NAME CHANGE
102-2	_ ISSUANCE OF PROPOSALS
108-1	LIQUIDATED DAMAGES
108-2	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
210-1	UNCLASSIFIED EXCAVATION
303-1	AGGREGATE BASE COURSE
306-1	_ QUALITY CONTROL AND ACCEPTANCE
400-4	_ DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5	_ PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
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
600-2	_ INCIDENTAL CONSTRUCTION
603-1	_ LANE CLOSURE NOTIFICATION
604-1	_ RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-3	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
605-1	_ CONCRETE DITCH PAVING
617-1	_ GUARDRAIL TERMINAL (TYPE 2)
620-1	_ MULCH COVER
700-2	
723-1	_ GENERAL REQUIREMENTS FOR SIGNS
730-1	_ BREAKAWAY SIGN SUPPORT
JOB 012343_	_ ASSESSMENT OF WORKING DAYS – MAINTENANCE OF TRAFFIC
JOB 012343_	_ BIDDING REQUIREMENTS AND CONDITIONS
JOB 012343_	_ BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 012343_	_ CARGO PREFERENCE ACT REQUIREMENTS
JOB 012343_	_ COORDINATION OF WORK
JOB 012343_	_ DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB 012343_	_ ESTABLISHING CONTRACT TIME - WORKING DAY CONTRACT
JOB 012343_	_ GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 012343_	MAINTENANCE OF TRAFFIC
JOB 012343_	_ MANDATORYELECTRONIC CONTRACT
JOB 012343_	_ MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 012343_	_ OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORT
JOB 012343_	_ PARTNERING REQUIREMENTS
JOB 012343_	_ PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB 012343_	_ RESTRICTIONS ON THE USE OF RECYCLED ASPHALT PAVEMENT MATERIAL
JOB 012343_	_ SPECIAL SAFETY REQUIREMENTS FOR OVERHEAD SIGNS
JOB 012343_	_ STEEL SIGN STRUCTURES
JOB 012343_	_ SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 012343_	_ TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 012343_	_ VALUE ENGINEERING
JOB 012343_	_ WARM MIX ASPHALT

GENERAL NOTES

- 1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- 2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- 3. 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.
- 4. 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.
- 5. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED N ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 6. 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 LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FENCE TO CONTROL LIVESTOCK IN AREAS WHERE PASTURES ARE SEVERED. WRE 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.
- 8. 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 RESIDENT ENGINEER.
- 9. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- 10. 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 3E REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

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					JOB	NO.	012343	3	153
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GOVERNING SPECIFICATIONS AND GENERAL NOTES



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				6	ARK.			
				JOB	NO.	012343	4	153
2 SPECIAL DETAILS								



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ADD'L. AGGREGATE BASE COURSE (CLASS 7) VAR. COMP. DEPTH (VAR. TONS/STA.)

* NOTE: REFER TO STD. DWG. GR-9 AND CROSS SECTIONS FOR SLOPE REQUIREMENTS BEHIND GUARDRAIL.

SPECIAL DETAILS



OH-630-60-60 4.60

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				6	ARK.			
				JOB	NO.	012343	5	153
	(2) SPECIAL DETAILS							



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CONTRACTION JOINT DETAIL

NOTES FOR BARRIER WALL TRANSITION

I. ALL BARRIER WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 631 OF THE STANDARD SPECIFICATIONS, 2014 EDITION.

SECTION 631 OF THE STANDARD SPECIFICATIONS, 2014 EDITION. 2. CONTRACTION JOINTS REQUIRED @ 15'-0" MAXIMUM SPACING. 3. ALL CONTRACTION JOINTS TO BE FORMED IN FRESH CONCRETE ON TOP AND IN SIDES OF BARRIER WALL. 4. CONTRACTION JOINTS ARE NOT PERMITTED AT THE DOWEL BAR LOCATIONS. 5. ALL EXPOSED EDGES OF CONCRETE BARRIER WALL SHALL HAVE A ³/₄" CHAMFER. 6. MAINTAIN 2" CLEARANCE ON ALL REINFORCEMENT. 7. THE 100'-0" TRANSITION SHALL BE PAID AS CONCRETE BARRIER WALL (MEDIAN TYPE SP-2). 8. BARRIER REINFORCING BARS ANCHORED INTO EXISTING CONCRETE PAVEMENT SHALL BE INSTALLED AND SECURED ACCORDING TO 804.06 USING AN APPROVED ANCHORING SYSTEM FROM OPL.

ANCHORING SYSTEM FROM OPL.



CONCRETE BARRIER WALL

(MEDIAN TYPE A)

(SECTION E-E)

SPECIAL DETAILS



SPECIAL DETAILS



ADVANCE WARNING SIGNS AT JOB ENDS

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					JOB	NO.	012343	8	153
1				(2)	MAINTE	ANCE	OF TRAFFIC DE	TAILS	
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DIVERSION FOR OUTSIDE LANE CLOSURE



DIVERSION FOR INSIDE LANE CLOSURE

TYPICAL TRAFFIC DRUM LAYOUT FOR DIVERSION OF LANE CLOSURES

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				6	ARK.			
				JOB	NO.	012343	12	153
			2	MAINTE	NANCE	OF TRAFFIC DE	TAILS	
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LANE CLOSURE MAINTENANCE OF TRAFFIC DETAILS



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CONCRETE BARRIER WALL

LOG MILE	LOG MILE	LOCATION	MEDIAN TYPE SP-1	MEDIAN TYPE SP-2
			LIN	FT.
5.36	5.40	HWY. 67 MEDIAN	200	
4.58	4.62	I-630 MEDIAN	200	
4.56	4.64	I-630 MEDIAN		200
TOTALS:			400	200

OVERHEAD SIGN STRUCTURE FOUNDATION

LOG MILE	LOCATION	EACH	Γ
5.38	HWY. 67 MEDIAN	1	
4.60	I-630 MEDIAN	1	
TOTAL:		2	

CONCRETE DITCH PAVING

LOG MILE	LOCATION	LENGTH	"W"	CONC. DITCH PAVING (TYPE B)
		LIN. FT.	FEET	SQ. YD.
0.24	I-630 MEDIAN	18.00	8.00	16.00
OTAL:				16.00

				ERO	SION CON	ROL							RE	MOVAL AN	ID DISPOSAL OF IT	EMS
				PERMAN	IENT EROSIO	N CONTROL			TEMPOR/	ARY EROSION C	ONTROL					
STATION	STATION	LOCATION	SEEDING	LIME	MULCH COVER	WATER	SECOND SEEDING	WATTLE (20") DITCH CHECKS	SAND BAG DITCH CHECKS	ROCK DITCH CHECKS	SILT FENCE	'SEDIMENT REMOVAL &	STATION	STATION	LOCATION	BARRIER WALLS
							APPLICATION	(E-1)	(E-5)	(E-6)	(E-11)	DISPOSAL				LIN. FT.
			ACRE	TON	ACRE	M.GAL.	ACRE	LIN. FT.	BAG	CU.YD.	LIN. FT.	CU. YD.	5.36	5.40	HWY. 67	200
*ENTIRE PRO	JECT TO BE U	USED IF AND WHERE DIRECTED BY THE ENGINEER.	0.75	1.50	0.75	76.5	0.75	90	220	30	1650	91	4.56	4.64	I-630 MEDIAN	400
TOTALS:			0.75	1.50	0.75	76.5	0.75	90	220	30	1650	91	TOTAL:			600
BASIS OF ES	TIMATE:															

LIME .2 TONS / ACRE OF SEEDING WATER. .. 102.0 M.G. / ACRE OF SEEDING WATER20.4 M.G. / ACRE OF TEMPORARY SEEDING WATER .. . 12.6 GAL. / SQ. YD. OF SOLID SODDING ROCK DITCH CHECKS3 CU.YD./LOCATION

NOTE: THE TEMPORARY EROSION CONTROL DEVICES SHOWN ABOVE AND ON THE PLANS SHALL BE INSTALLED IN SUCH A SEQUENCE AS TO DETER EROSION AND SEDIMENTATION ON U.S. WATERWAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.

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

ſ				UNCLASSIFIED	COMPACTED
	STATION	STATION	LOCATION / DESCRIPTION	EXCAVATION	EMBANKMENT
				CU.	YD.
۰ĺ	ENTIRE	PROJECT	TO BE USED IF AND WHERE	100	100
ĺ			DIRECTED BY THE ENGINEER		
[TOTALS:			100	100

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

					THE LET									
SIGN NUMBER	DESCRIPTION	SIGN SIZE	ENTIRE PROJECT	MAXIMUM NUMBER REQUIRED	TOTAL SIGN	S REQUIRED	TRAFFIC DRUMS	FURNISHING & INSTALLING PRECAST CONC. BARRIER	RELOCATING PRECAST CONCRETE BARRIER	TEMPORARY IMPACT ATTENUATION BARRIER	TEMP. IMPACT ATTEN.BARR. (REPAIR)	TEMP. IMPACT ATTEN.BARR. (RELOCATION)	* ADVANCE WARNING ARROW PANEL	* PORTABLE CHANGEABLE MESSAGE SIGN
			LIN. FT EACH	1	NO.	SQ. FT.	EACH	LIN. F	=T.		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"	10	10	10	160.0								
G20-2	END ROAD WORK	48"x24"	10	10	10	80.0								
G20-1	ROAD WORK NEXT XX MILES	60"x24"	2	2	2	20.0								
R55-1	FINES DOUBLE IN WORK ZONES	60"x36"	4	4	4	60.0								
W20-5	LEFT LANE CLOSED 1 MILE	48"x48"	2	2	2	32.0								
W20-5	LEFT LANE CLOSED 1/2 MILE	48"x48"	2	2	2	32.0								
W20-5	LEFT LANE CLOSED 1500 FT.	48"x48"	2	2	2	32.0								
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	2	2	2	32.0								
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	2	2	2	32.0								
W20-5	RIGHT LANE CLOSED 1500 FT.	48"x48"	2	2	2	32.0								
SPECIAL	MERGE NOW W/ ARROW	48"x48"	1	1	1	16.0								
W3-5	REDUCED SPEED AHEAD	48"x48"	2	2	2	32.0								
W1-6	LARGE ARROW	60"x30"	6	6	6	75.0								
R4-1	DO NOT PASS	48"x60"	4	4	4	80.0								
W21-5a	RIGHT SHOULDER CLOSED	48"x30"	2	2	2	20.0								
R2-1	SPEED LIMIT 55 MPH	48"x60"	2	2	2	40.0								
R2-1	SPEED LIMIT 60 MPH	48"x60"	2	2	2	40.0								
R2-1	SPEED LIMIT 70 MPH	48"x60"	2	2	2	40.0								
W4-2 RT.	MERGE RIGHT	48"x48"	2	2	2	32.0								
	TRAFFIC DRUMS		362	362			362							
	FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER		1426	1426				1426						
	RELOCATING PRECAST CONCRETE BARRIER		1026	1026					1026					
	TEMPORARY IMPACT ATTENUATION BARRIER		2	2						2				
	TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)		2	2							2			
	TEMPORARY IMPACT ATTENUATION BARRIER (RELOCATION)		2	2								2		
	ADVANCE WARNING ARROW PANEL		140	140									140	
	PORTABLE CHANGEABLE MESSAGE SIGN		20	20										20
TOTALS:						1079.0	362	1426	1026	2	2	2	140	20
NOTE: THIS I	S A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03. STAI	NDARD SPECI	FICATIONS FOR HI	GHWAY CONST	RUCTION									

4/28/2020

NOTE: SEC .03, 3 CONSTRUCTION

NOTE: THE QUANTITY OF TRAFFIC DRUMS PROVIDED IS FOR BOTH SIDES OF THE ROADWAY FOR 4 MILES. HOWEVER,

THE INSTALLATION OF TRAFFIC DRUMS SHALL NEVER EXCEED THE ACTUAL WORK AREA BY MORE THAN 1/4 MILE, UNLESS APPROVED BY THE ENGINEER.

ADVANCE WARNING SIGNS AND DEVICES

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				6	ARK.							
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(2) DUANTITIES												

REMOVAL AND DISPOSAL OF ITEMS



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EARTHWORK

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE SHALL BE PAID AS PLAN QUANTITY.

QUANTITIES

	SUMMARY OF QUANTITIES		
ITEM NUMBER	ITEM	QUANTITY	UNIT
202	REMOVAL AND DISPOSAL OF BARRIER WALL	600	LIN. FT.
202	REMOVAL AND DISPOSAL OF OVERHEAD SIGN STRUCTURE	6	EACH
SS & 210		100	CU. YD.
210		100	CU. YD.
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	690	TON
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	160	TON
SP, SS, & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	8	TON
601	MOBILIZATION	1.00	LUMP SUM
SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	1079	SQ. FT.
SS & 604	TRAFFIC DRUMS	362	EACH
SS & 604	FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER	1426	LIN. FT.
SS & 604	RELOCATING PRECAST CONCRETE BARRIER	1026	LIN. FT.
SS & 604	ADVANCE WARNING ARROW PANEL	140	DAY
SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	20	WEEK
SS & 605	CONCRETE DITCH PAVING (TYPE B)	16	SQ. YD.
SS & 617	GUARDRAIL (TYPE A)	1650	LIN. FT.
SS & 617	TERMINAL ANCHOR POSTS (TYPE 1)	6	EACH
SS & 617	GUARDRAIL TERMINAL (TYPE 2)	6	EACH
620		2	TON
620	SEEDING	0.75	ACRE
SS & 620	MULCH COVER	0.75	ACRE
620	WATER	76.5	M. GAL.
621	SILT FENCE	1650	LIN. FT.
621	SAND BAG DITCH CHECKS	220	BAG
621	SEDIMENT REMOVAL AND DISPOSAL	91	CU. YD.
621	ROCK DITCH CHECKS	30	CU. YD.
621	WATTLE (20")	90	LIN. FT.
623	SECOND SEEDING APPLICATION	0.75	ACRE
631	CONCRETE BARRIER WALL (MEDIAN TYPE SP-1)	400	LIN. FT.
631	CONCRETE BARRIER WALL (MEDIAN TYPE SP-2)	200	LIN. FT.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-030-60-64)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-030-60-65)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-055-18-31)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-067-60-47)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-430-60-54)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-59)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-60)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-61)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-62)	1	EACH
724	OVERHEAD SIGN STRUCTURE FOUNDATION	2	EACH
SP	STEEL BRIDGE MOUNTED SIGN STRUCTURE (BM-067-60-46)	1	EACH
SP	STEEL CANTILEVER SIGN STRUCTURE (OC-430-60-53)	1	EACH
SP	MODIFICATION OF EXISTING OVERHEAD SIGN STRUCTURE	55	EACH
SS & 725	GUIDE SIGN-ROADSIDE MOUNTED (DEMOUNTABLE LEGEND)	6170	SQ. FT.
SS & 725	GUIDE SIGN-OVERHEAD MOUNTED (DEMOUNTABLE LEGEND)	15731	SQ. FT.
SP, SS, & 726	STANDARD SIGN	60	SQ. FT.
SS & 727	EXIT NUMBER PANEL (TYPE A)	1069	SQ. FT.
SS & 727	EXIT NUMBER PANEL (TYPE B)	1318	SQ. FT.
SS & 727	EXIT NUMBER PANEL (TYPE C)	93	SQ. FT.
SS & 730	BREAKAWAY SIGN SUPPORT (TYPE G-2)	35618	POUND
SP	OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORTS (TYPE G-2)	19	EACH
SS & 731	TEMPORARY IMPACT ATTENUATION BARRIER	2	EACH
SS & 731	TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)	2	EACH
55 & 731	TEMPORARY IMPACT ATTENUATION BARRIER (RELOCATION)	2	FACH

REVISIONS

DATE	REVISION	SHEET NUMBER
6/10/2020	ADDED "MODFICIATION OF EXISTING OVERHEAD SIGN STRUCTURE" PAY ITEM, ADDED "SP, " TO "STANDARD SIGN" PAY ITEM, REVISED SIGN LAYOUT SHEETS FOR STRUCTURES OH-030-60-36 AND OH-030-60-37, ADDED PAGE NUMBERS FOR SHEETS 16-153, ADDED MISSING SIGNATURES.	15-153
		- · · · ·

R012343.DGN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
06-10-20				6	ARK.			
				JOB	NO.	012343	15	153
			2	SUMMA	RY OF (OUANTITIES AND) REVISI	ons
						Jun 10	zinie 0, RKANS LICENSE DFESSIOI ENGINEL No. 1142 TY D. Tr D. Tr D.	AS DD NAL ER SMITH Smith L:18 PM DocuSign,

SUMMARY OF QUANTITIES AND REVISIONS

SIGNING SUMMARY OF QUANTITIES

ITEM			
NUMBER	ITEM	TOTAL	UNIT
202	REMOVAL AND DISPOSAL OF OVERHEAD SIGN STRUCTURE	6	EACH
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	690	TON
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	160	TON
SP, SS, & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	8	TON
SS & 617	GUARDRAIL (TYPE A)	1650	LIN. FT.
SS & 617	TERMINAL ANCHOR POSTS (TYPE 1)	6	EACH
SS & 617	GUARDRAIL TERMINAL (TYPE 2)	6	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-030-60-64)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-030-60-65)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-055-18-31)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-067-60-47)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-430-60-54)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-59)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-60)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-61)	1	EACH
SP	STEEL OVERHEAD SIGN STRUCTURE (OH-630-60-62)	1	EACH
SP	STEEL BRIDGE MOUNTED SIGN STRUCTURE (BM-067-60-46)	1	EACH
SP	STEEL CANTILEVER SIGN STRUCTURE (OC-430-60-53)	1	EACH
SP	MODIFICATION OF EXISTING OVERHEAD SIGN STRUCTURE	55	EACH
SS & 725	GUIDE SIGN - ROADSIDE MOUNTED (DEMOUNTABLE LEGEND)	6170	SQ. FT.
SS & 725	GUIDE SIGN - OVERHEAD MOUNTED (DEMOUNTABLE LEGEND)	15731	SQ. FT.
SP, SS, & 726	STANDARD SIGN	60	SQ. FT.
SS & 727	EXIT NUMBER PANEL (TYPE A)	1069	SQ. FT.
SS & 727	EXIT NUMBER PANEL (TYPE B)	1318	SQ. FT.
SS & 727	EXIT NUMBER PANEL (TYPE C)	93	SQ. FT.
SP	OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORT (TYPE G-2)	19	EACH
SS & 730	BREAKAWAY SIGN SUPPORT (TYPE G-2)	35618	POUND

NOTES:

ALL EXISTING GUIDE SIGNS SHALL BE MAINTAINED IN SUCH A MANNER THAT THE SIGNS ARE FULLY VISIBLE, INTACT, AND ERECT FOR THE DURATION OF THE PROJECT, AND SHALL BE REMOVED WHEN THEIR USE IS NO LONGER REQUIRED. REMOVAL AND DISPOSAL OF SIGNS, SUPPORTS, AND FOUNDATIONS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.

THE EXISTING SIGNS AND SUPPORTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE EXISTING FOOTINGS SHALL BE REMOVED AND THE HOLES FILLED WITH A SUITABLE MATERIAL AND COMPACTED.

EXISTING LOGOS WILL BE RELOCATED TO THE NEW LOGO SIGN BY THE CONTRACTOR. THE LOGO INSTALLATION SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.

THE CONTRACTOR SHOULD MAKE EVERY EFFORT TO LOCATE BURIED UTILITIES PRIOR TO EXCAVATION INCLUDING, BUT NOT LIMITED TO, CALLING ARKANSAS ONE CALL CENTER (800) 482-8998 FOR LOCATES. SHOULD IT BE DETERMINED A POSSIBILITY OF A UTILITY CONFLICT, CONTRACTOR SHALL CONSULT WITH THE RESIDENT ENGINEER FOR FURTHER GUIDANCE.

BREAKAWAY SIGN SUPPORT TOTAL IS CALCULATED BY TAKING THE LENGTH OF H1, H2, H3, AND THE STUB POST AND MULTIPLYING BY THE BEAM WEIGHT (LBS).

BASIS OF ESTIMATE:

NMAX = 205 MINERAL AGGREGATE 95.0% ASPHALT BINDER (PG 76 – 22) 5.0%

	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AD PROJ. NO.	SHEET NO.	TOTAL SHEETS
	06-10-20				6	ARK.			
					JOB N	ю.	012343	16	153
Ĵ				2	SIGNI	NG SU	IMMARY OF C)UANT	ITIES



	OMNI	-DIRFC1			I-BEAN	1		GUIDE S	IGN	I-BEAM BREAKAWAY SIGN SUPPORT EXIT NUMBER PANEL								SUPPLEMENTAL									
	SIG	N SUPF	PORT	STRU	JCTURE	E TYPE	DEMO	UNTABL	ELEGEND	S	TEEL	1	SIGN	1				1			SIGN					GUIDE	
	1									l s	ECT.	PO	STLE	NGTH	s	TUB P	OST		FOOTIP	IGS	POST	LEGEND		TYPE		SIGN	
SIGN NO /		1	T		1	1	LENGTH	HEIGHT	1		-572	H . 1	H . 2	Н.3	H_1	н.2	24.3	DIA	DEDTU	EMPED					6	DEMOLINITAL	
LOCATION		6	67	61	62	67		I ET.	SOFT		1.00	10.41	1111	<u>г</u> п • 5	11-1		<u>сјп • 5</u> .т	DIA.		Гемвер. Т	ROUND		<u> </u>	E0 ET			DLE
EXIT 1A-FR		1	0.5		04		6.50	5.00	32.50	DEAM	LD3	-		<u></u>	-	LINF	<u> </u>	-			FOUND		<u> </u>	SQ.FI.		LEGEND	50. 11
FXIT 1A-WB		1			-		6.50	5.00	32.50	1		-	-	-	1	-	+	-									-
EXIT 1B-EB		1	-				6.50	5.00	32.50				1	-	1	1	1	1									+
EXIT 18-WB	-	1	-	1	-	1	6.50	5.00	32.50		-	1		-	-	-	-										+
EXIT 2A-EB	1	1				1	6.50	5.00	32.50			-	<u> </u>			-	1	-					<u> </u>				+
EXIT 2A-WB		1	1				7_00	5.00	35.00												1						1
EXIT 2A-WB-AUX							7.00	2.00	14,00						-		1										-
EXIT 2B-EB		1					6.50	5.00	32,50							1											
EXIT 2B-WB		1					6.50	5.00	32,50								1	1									
EXIT 3A-EB		1					6,50	5.00	32,50																		
EXIT 3A-WB		1		ii		ļ	6.50	5.00	32.50																		
EXIT 3B-EB		1					6,50	5.00	32,50																		
EXIT 3B-WB		1					6,50	5.00	32,50																		
EXIT 4-EB	<u> </u>	1	<u> </u>				6.50	5.00	32,50						<u> </u>		_										
EXIT 4-WB	-	1	<u> </u>				6,50	5,00	32.50							-	_										
EXIT 1-EB		1					6,00	5.00	30,00				<u> </u>		<u> </u>	-	-										-
EXIT 1-EB-AUX		<u> </u>	<u> </u>				6.00	2.00	12,00				<u> </u>			<u> </u>	-							<u> </u>			
EXII 1-WB		1					6.50	5,00	32,50			_	-		<u> </u>	-	-										-
EXII 138-WB		1				-	7.00	5.00	35.00				-														
EXIT 130A-VVB		1					6.50	7.00	45.50			-		-	-	-	-		-								-
LEL 30-133M/B					1		13.00	15.50	201.50	14/10	22.00	22.00	22.00	-	7.00	7.00	-	2.00	10.00	6.67	1009.00						+
LL 30-135FB		-			1		18.00	12.00	201.00	10/10	22.00	10.00	20.00		7.00	7,00	-	3.00	10.00	6.67	1466.00						
LL 30-135W/B					1	<u> </u>	18.00	12.00	216.00	10/10	22.00	19.00	20.00		7.00	7.00	-	3.00	10.00	6.67	1166.00						
LL 30-134EB					1	-	18.00	12.00	216.00	W10	22.00	19.00	20.00		7.00	7.00	-	3.00	10.00	6.67	1166.00			<u> </u>			
LL 30-134WB					1	-	18.00	12.00	216.00	W10	22.00	19.00	20.00		7.00	7.00		3.00	10.00	6.67	1166.00				<u> </u>		
LF 30-130EB					1		13.00	15.50	201.50	W10	22.00	22.00	23.00		7.00	7.00	-	3.00	10.00	6.67	1298.00						1
LAL 30-130EB					1		13.00	15.50	201,50	W10	22,00	22.00	23.00		7.00	7.00	1	3.00	10.00	6.67	1298.00			-			-
LGL 30-132EB					1		13.00	15.50	201,50	W10	22.00	22.00	23,00		7.00	7.00		3.00	10.00	6.67	1298.00						
LGL 30-132WB					1		13.00	15.50	201.50	W10	22.00	22,00	23.00		7.00	7.00		3.00	10.00	6,67	1298.00						
ML 630-2-1EB					1		14.00	7.00	98,00	W8	18,00	14,00	15.00		3.99	3.99		2.50	5,50	3,66	665,64						
ML 630-2-1WB					1		16.00	7.00	112,00	W/8	21,00	14,00	15,00		4.99	4.99		2.50	7,00	4.66	818.58						
ML 630-2-2EB					1		14.00	7.00	98,00	W8	18,00	14,00	15,00		3,99	3,99		2 50	5.50	3.66	665.64						
ML 630-2-2WB					1		14.00	7,00	98,00	W8	18,00	14.00	15.00		3,99	3.99		2,50	5 50	3,66	665,64						
ML 630-2-4EB					1		12.50	5.00	62.50	W9	18.00	12.00	13.00		4.33	4.33		2.00	6.00	4.00	605,88						
ML 630-2-3EB					1		13.50	7,00	94,50	W8	18,00	14.00	15.00		3,99	3.99		2.50	5,50	3,66	665.64						
ML 630-2-3WB					1		11 50	7.00	80.50	W8	18,00	14.00	15.00		3.99	3.99		2,50	5.50	3,66	665,64						
ML 630-2-6EB					1	l	16.00	7,00	112_00	W8	21.00	14.00	15.00		4,99	4.99	-	2,50	7.00	4,66	818,58						
ML 630-2-5EB					1		11.50	7,00	80,50	8//	18,00	14,00	15.00		3,99	3.99	-	2 50	5.50	3.66	665,64						-
ML 630-2-5WB					1		14.00	7:00	98,00	8VV8	18,00	14,00	15,00		3.99	3,99		2.50	5,50	3.66	665.64						<u> </u>
ML 20 420 2EP	-				1		15.50	0.00	120.50	10/0	10,00	12.50	13,50		4.99	4,99	-	2.00	6.00	4.00	647.64						
ML 30-135-1FR					1		13.00	4.00	52.00	10/R	18.00	11.00	12.00		4 22	4 22		2.00	9,00	0,33 1 ND	560.99	125	22.75				-
ML 30-130-2FB			-		1		14.50	12.00	174.00	W/B	21.00	19.00	20 00		3.99	3.99	-	2.00	5.50	3.66	986 58	130	23.75				-
ML 30-132-1EB			_		1		14.50	10.00	145.00	W8	21.00	17.00	18.00		4.99	4.99		2.50	7.00	4.66	944.58	100	2010			1	-
ML 30-133-1EB					1		16.00	5.00	80.00	W8	18.00	12.00	13.00		4.33	4.33		2.00	6.00	4.00	605.88						1
ML 530-1-6NB					1		13.00	5,50	71,50	W/8	18.00	12,50	13.50	- 80 - III	4.33	4.33		2.00	6.00	4.00	623.88						1
ML 30-134-1WB					1		21.00	8,00	168,00	W8	21.00	15,00	16,00		3.99	3,99		2.50	5,50	3.66	818.58	134	23.75				1
ML 30-133-1WB					1		17.00	8.00	136.00	W8	21.00	15.00	16.00		4.99	4.99		2.50	7.00	4.66	860.58	133	23.75				T
ML 630-3-1EB					1		21,50	7,00	150,50	W10	22,00	14,00	15,00		5.66	5.66		3.00	8,00	5.33	887.04						
ML 630-3-2EB					1		20.50	7.00	143.50	W10	22,00	14.00	15.00		5.66	5.66		3.00	8,00	5.33	887.04						
ML 630-3-1WB					1		20,50	7.00	143.50	W10	22.00	14.00	15.00		5.66	5,66		3.00	8.00	5.33	887_04						
ML 630-3-2WB					1		21,50	7,00	150,50	W10	22.00	14.00	15.00		5.66	5.66		3.00	8.00	5.33	887.04						
ML 30-139-2EB					1		14.00	7,00	98,00	W8	18,00	14.00	15.00		3.99	3.99		2.50	5.50	3.66	665,64				-		
ML 30-139-1EB					1		15.00	7.00	105,00	B/V/	21.00	14.00	15.00		4,99	4,99		2,50	7.00	4.66	818.58						
ML 440-1-1EB					1		15.00	7.00	105.00	8	21,00	14.00	15.00		4.99	4,99		2.50	7,00	4_66	818.58						
ML 30-133-2WB					1		16.00	5.00	80,00	W8	18,00	12.00	13.00		4,33	4,33		2.00	6,00	4,00	605.88						
ML 530-1-4NB		_			1		16.50	9.00	148.50	W10	22.00	16.00	17.00		5.66	5,66		3.00	8,00	5.33	975.04	18	L	28,00			-
ML 530-1-5NB					1		17.00	10.50	178.50	VV10	22.00	17.50	18,50		5,66	5,66		3.00	8.00	5.33	1041.04	1A		21.25			
ML 20 120 128	-				1		14.00	13.50	174.00	10	22.00	20.00	21.00		7.00	7.00		3.00	10.00	6.67	1210,00	138	33.25				-
IVIL 30-130-1ED							14.00	12.00	174,00	VV0	2100	19.00	20.00		2 99	2.89		2 00	00.0	3.00	900.58	130	23.75			<	
TOTALS :		19			40				6170.00								\square			1	35617.74		152.00	49.25			

MAIN LANES ROADSIDE MOUNTED SIGNING QUANTITIES (BOX 1 OF 1)

T	DATE REVISED	DATE FILMED	DATE	DATE	F20 NGAO NG	STATE	FED AD PROJ. NO.	5HEET HQ.	TOTAL SECTS
F					6	ARK.			
Ŀ					JOB N	0	012343	17	153
				0		SIGN	NG OUANTIT	ES	

ATE ARKANSA * * * No. 7527 OSEPH A. SARTH

																EX		ER PANE	L .					GUARDRAIL		
					ST	RUCTI	URE T	/PE												OVERHEAD			TERM.	GUARDRAIL	AGG.	ACHM
		INS	TALL		R	EMOVE	EXISTI	NG	MODI		N OF EX		1	GUIDE SIG	SN .	LEGEND		TYPE		DMS	STD.	TYPE A	ANCHOR	TERM.	BASE CR	SURF. CR.
SIGN NO./	5	SIGN ST	RUCTU	RE	s	IGN ST	RUCTU	RE		SIGN ST	RUCTUR	RE	LENGTH	HEIGHT	T	1	A	в	с	ASSEMBLY	SIGN		POSTS TYPE 1	TYPE 2	(CL. 7)	220 LBS/SY
LOCATION	ST	oc	ОН	BM	ST	oc	ОН	BM	ST	oc	ОН	BM	LIN.	FT.	SQ. FT.			SQ. FT.		EACH	SQ. FT.	LIN. FT.	EACH	EACH	TON	TON
OH-430-60-54			1													1					20.00	825	3	3	345	84
OH 430-6-2SB					1								18.00	10.00	180.00	6B		20.00								
OH 430-6-1SB													13.50	10.00	135.00	6A		20.00								
OH 430-8-1SB													20.50	5.50	112.75	8	17.50	1								
OH-630-60-59			1				1																			
OH 630-RAMP3B-1WB													10.50	5.50	57.75											
OH 630-RAMP3B-2WB																										
OH 630-RAMP3B-3WB			_																							
OH-630-60-60	-		1						-	-											20.00					
OH 630-3B-1EB													11.00	8.00	88.00	3B		20.00								
OH 630-4-2EB	-								-	-			14.00	8.50	119.00	4	17.50									
OH-030-60-65	-		1		-				-				14.50	12.50	101.05							550	2	2	230	56
OH 30-138B-2EB													14.50	12.00	186.00	138B		26.25								
OH 30-138A-2EB													21.00	13.50	283.50	138A		26.25								
OH-030-60-64			1																							
OH 30-138-1EB													14.50	12.50	181.25											
OH 30-138B-1EB			<u> </u>							<u> </u>			15.50	11.50	178.25	138B		26.25								
OC-430-60-53		1											21.00	13.50	283.50	138A		26.25								
OC 430-5-1NB					1								18.00	7.50	135.00	5	17.50									
BM-067-60-46				1																						
BM 67-1-1NB													21.00	5.50	115.50	1B		20.00								
OH-067-60-47	_		1																							
OH 67-6-2NB			1										12.50	12.50	156.25	6	17.50				20.00					
OH 55-23-4NB	-		+ -		-					-			14.50	10.00	145.00						20.00					
OH 55-23-3NB													18.00	12.50	225.00	23	20.00									
OH-630-60-61			1																							
OH 630-139BC-1EB													44.50	17.00	756.50	1,139C-B	42.75		32.50							
OH-630-60-62	-		1						-				25.00	17.00	505.00	120C 120P		76.75				275	1	1	115	28
OH-630-60-13							1						35.00	17.00	595.00	1390,1390		76.75								
OH-630-60-31	1						1																			
OH-030-60-06							1										1									
OH-030-60-05							1																			
OH-630-60-43							1																			
OH-630-60-44	+						1				1					1										
OH 630-3A-1EB			<u> </u>		1					1			15.00	5.50	82.50	3A		20.00								
OH 630-3B-2EB													14.00	5.50	77.00	3B		20.00								
OH-630-60-33																										
OH 630-2B-1EB					-								15.00	8.00	120.00	2B		20.00								
OC-630-60-34			-							1			15.00	5.50	82.50	3A		20.00								
OC 630-2B-1EB													18.00	6.00	108.00	2B		20.00								
BM-630-60-35												1														
BM 630-2-1EB													14.50	7.50	108.75											
BM-630-60-36												1														
BM 630-2A-1EB	-		-		-				-	1			13.50	5.50	74.25	2A		20.00								
OC-630-2A-1EB			-										13.00	6.00	78.00	2A		20.00								
BM-630-60-38												1														
BM 630-1A-1EB													12.00	8.00	96.00	1A		20.00								
BM 630-1B-1EB													12.50	5.00	62.50	1B		20.00								
BM 630-60-39			-									1	40.00	0.00	00.00			00.00								
BM 630-1A-2EB BM 630-1B-2FR	+					-	-	-					12.00	8.00 6.00	96.00	1A 1R		20.00	1							
BM-630-60-40												1	10.00	0.00	01.00	10		20.00								
BM 630-1A-3EB													15.50	5.50	85.25	1A		20.00								
BM-630-60-41												1														
BM 630-1-1EB						<u> </u>		<u> </u>		 		 	9.50	5.50	52.25	1	24.50		ar							
BM 630-139BC-1EB									-			1	20.50	12.50	256.25	139B-C			33.75							
BIV-030-00-42 BM 630-1-2EB													10.00	5.50	55.00	1	24.50									
BM 630-139C-1EB			1			L	L	L					13.50	12.50	168.75	139C		26.25								
BM 630-139B-1EB													13.00	11.00	143.00	139B		26.25								
SUBTOTALS(BOX 1 OF 3):		1	9	1			6		1	2	1	7			5761.50		181.75	554.25	66.25		60	1650	6	6	690	168
													_													

1	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD STATE NO.		FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS			
	06-10-20				6	ARK.						
					JOB N	0.	012343	18	153			
				2	SIGNING QUANTITIES							

ACHM

BASIS OF ESTIMATE NMAX = 205 MINERAL AGGREGATE 95.0% ASPHALT BINDER (PG 76-22) 5.0%



																									DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE FED. AD PRO	I. NO. SHEET NO.	TOTAL SHEETS
	OVERHEAD SIGNING													<u>JF 3)</u>	1	1	1		GUAPDRAU			06-10-20				6	ARK.	10	152			
				STR	υстι	JRE TYPE											L	OVERHEAD			TERM.	GUARDRAIL	AGG.	ACHM					JOB NO	SIGNING QUA	NTITIES	155
		INSTALL		REM	IOVE	EXISTING	MODI	IFICATIO	ON OF E	XISTING		GUIDE SIG	N	LEGEND		TYPE		DMS	STD.	TYPE A	ANCHOR	TERM.	BASE CR	SURF. CR.				C				
SIGN NO./	SI	GN STRUCT	URE	SIG	N STF	RUCTURE	:	SIGN ST	RUCTU	RE	LENGTH	HEIGHT	-		Α	В	С	ASSEMBLY	SIGN		POSTS TYPE 1	TYPE 2	(CL. 7)	220 LBS/SY								
	ST	OC OH	BN	A ST	OC	OH BM	ST	oc	ОН	BM	LIN	. FT.	SQ. FT.		-	SQ. FT.		EACH	SQ. FT.	LIN. FT.	EACH	EACH	TON	TON								
OC-630-60-01								1			13.50	7.00	94.50																			
BM-630-60-02										1	10.00	1.00	04.00																			
BM 630-1B-1WB											12.00	8.00	96.00	1B		20.00																
BM 630-1A-1WB								_	-		13.00	4.50	58.50	1A	-	20.00																
BM-630-60-03 BM 630-1B-2WB								-		1	13.50	8.00	108.00	1B	-	20.00																
BM-630-60-04										1	10.00	0.00	100.00			20.00																
BM 630-1B-3WB											15.50	8.00	124.00	1B		20.00									1							
BM-630-60-05			-					-	-	1	14.00	5.00	70.00		-																	
BM-630-60-06										1	14.00	5.00	70.00																			
BM 630-2A-1WB											13.00	5.00	65.00	2A		20.00																
BM-630-60-07 BM 630-2B-1WB							-	-	-	1	14.50	5.50	79 75	2B	-	20.00																
BM 630-2A-2WB											15.50	6.00	93.00	2A		20.00																
BM-630-60-08								_	-	1	10.50	7.00	04.50																			
OC-630-60-09								1			13.50	7.00	94.50																			
OC 630-2B-1WB											14.50	6.00	87.00	2B		20.00																
BM-630-60-10								-	-	1	15.00	5.50	82.50	24	-	20.00																
OH-630-60-11									1		13.00	5.50	02.30	JA		20.00																
OH 630-3B-1WB											11.00	8.00	88.00	3B		20.00																
OH 630-3A-1WB							_	_	1		14.50	5.50	79.75	3A		20.00																
OH 630-4-1WB											17.00	5.50	93.50	4	17.50																	
OH 630-3B-2WB											14.50	5.50	79.75	3B		20.00												ACHM				
OH-630-60-14 OH 630-5AB-1WB								-	1		17.00	5.50	93.50	5A-B	+	-	26.25										BASI	s of e	STIMA	ΓE		
OH 630-4-2WB											15.50	5.50	85.25	4	17.50												Ν	MAX =	205			
OH-630-60-15				_					1		00.00	0.00	470.00	C.A.		20.00											MINE	ERAL A	GGREG	ATE 95	0.0%	
OH 630-5B-1WB								+	+		12.50	9.50	176.00	5B	+	20.00										/	ASPHAL	T BIND	ER (PG	76-22)	5.0%	
OH 630-5A-1WB											14.50	10.00	145.00	5A		20.00																
OC-030-60-38							-	1	+		9.50	5.50	52.25	135	23.75																	
OC-030-60-39								1			0.00	0.00	02.20		20.10																	
OC 30-135-2WB								_	-		13.00	4.00	52.00	135	23.75	L																
BM-030-60-40 BM 30-132-1WB								-	1	1	17.00	10.00	170.00	132	23.75																	
BM 30-133-1WB											17.00	8.00	136.00	133	23.75																	
OC-030-60-61							-	1	-		17.00	10.00	170.00	132	23.75																	
OH-030-60-59									1		17.00	10.00	170.00	152	23.13																	
OH 30-131-1WB											15.00	5.50	82.50	131	23.75																	
OH 30-132-1WB OH-030-60-57								-	1		14.00	12.50	175.00	132	23.75																	
OH 30-130-1WB											14.50	12.00	174.00	130	23.75																	
OH 30-131-2WB									1		15.00	5.50	82.50	131	23.75																	
OH-030-60-56 OH 30-129-1WB								-			14.00	10.50	147.00	129	23.75																	
OH 30-130-2WB											14.50	12.50	181.25	130	23.75																	
OC-030-60-50							-	1	-		14.50	5.50	79.75	131	23.75																	
OC 30-130-1EB											17.50	10.00	175.00	130	23.75]							
BM-030-60-51										1	10																			- NTE		
BM 30-131-1EB OH-030-60-52									1		12.50	5.50	68.75	131	23.75															ADVANCE (AC.	
OH 30-132-1EB											17.00	10.00	170.00	132	23.75										1						M3 ',	
OH 30-131-1EB									1		12.50	5.50	68.75	131	23.75														- (ISTE	RED :	i
OH 30-132-2EB											17.00	10.00	170.00	132	23.75															RAFEDET	FAL	
OH 30-131-2EB											14.00	6.50	91.00	131	23.75															EN GANE	Docu Sidn	j n
SUBTOTALS(BOX 2 OF 3):								6	9	10			4258.00		462.50	300.00	26.25								J				, ,	No. 752	THI	



OVERHEAD SIGNING QUANTITIES (BOX 3 OF 3)

										FX			- · /			GUARDRAIL										
	STRUCTURE TYPE														-	OVERHEAD			TERM.	GUARDRAIL	AGG.	ACHM				
		INS	TALL		R	EMOVE	EXIST	NG					GUIDE SIGN		LEGEND	<u> </u>	TYPE		DMS	STD.	TYPE A	ANCHOR	TERM.	BASE CR	SURF. CR.	
SIGN NO./ LOCATION	тм		OH	BM	ТМ		OH	ВМ	ТМ		ОН	RE BM	LENGTH	FT.	SQ. FT.		A	SQ. FT.	C	EACH	SQ. FT.	LIN. FT.	EACH	EACH	(CL. 7) TON	TON
BM-030-60-45												1														
BM 30-133-1EB	1												17.00	8.00	136.00	133	23.75									
BM 30-132-1EB													15.50	10.00	155.00	132	23.75									1
OC-030-60-58										1																
OC 30-130-1EB													17.00	8.00	136.00	133	23.75									
OC-030-60-60										1																
OC 30-133-2EB													17.00	8.50	144.50	133	23.75									
BM-030-60-04												1														
BM 30-135-1EB													12.50	5.50	68.75	135	23.75									
OH-030-60-07											1															
OH 30-138-3EB		-				<u> </u>							14.50	12.50	181.25	1005									 	┥────
OH 30-138B-3EB	-											1	16.50	10.00	165.00	138B		26.25								
BM 30-139-1EB												<u> </u>	13.00	7.00	91.00										1	
BM 30-139A-1EB													12.00	12.00	144.00	139A		26.25						1	1	
OH-030-60-36											1													1		
OH 30-138-2WB													29.00	12.50	362.50	138	42.75									
OH 30-138-1WB													13.00	11.00	143.00											
BM-030-60-37	-	-										1		10.00			10 75									
BM 30-138-2WB				-	-					-	<u> </u>		29.50	13.00	383.50	138	42.75									
OH-530-60-03											1		13.00	11.00	143.00											
OH 530-1-2NB		-	<u> </u>				<u> </u>				L .		13.00	10.00	130.00	1B		36.00						1	<u> </u>	
OH 530-1-1NB													15.50	12.50	193.75	1A		20.00							1	
OH-530-60-06											1															
OH 530-1-4NB													13.00	10.50	136.50	1B		36.00								
OH 530-1-3NB													15.50	12.50	193.75	1A		20.00								
OH-530-60-08	-	-	-				-				1		40.00	10.00	400.00											
OH 530-1-6NB											<u> </u>		10.00	12.00	192.00	10		20.00								
BM-530-60-09												1	19.00	10.50	199.30	IA		20.00								
BM 530-1-1NB	1											· ·	14.50	5.00	72.50									1	1	
OH-065-60-01											1													1		
OH 530-138-2SB													17.00	10.50	178.50	138	33.25									
OH 530-138-1SB													15.00	10.00	150.00										L	
OH-440-60-01	-		-				-				1		11.00	10.00	100.00		17.50									l
OH 440-1-1EB											1		11.00	12.00	132.00	1	17.50									
OH 440-1-2WB											<u> </u>		14 00	10.50	147.00	1	17.50								<u> </u>	
OH-440-60-02											1		11.00	10.00	11100		11.00									
OH 440-138-4WB													15.50	12.50	193.75	138B		47.25		1					1	
OH 440-138-3WB													12.50	8.50	106.25											
OH 440-138-2WB													16.00	12.50	200.00											
OH-440-60-22											1															4
OH 440-138-7WB					<u> </u>				<u> </u>		<u> </u>		15.50	12.50	193.75	138B		47.25							───	<u> </u>
OH 440-138-6WB													14.50	12.50	181.25	1294		26.25						<u> </u>	 	ł
OH-440-60-24											1		17.00	10.50	170.50	IJOA		20.25								
OH 440-138-9WB													15.50	12.50	193.75	138B		47.25		1				1	1	
OH 440-138-8WB				L									14.50	12.50	181.25	<u>L </u>							<u> </u>			
OC-440-60-23										1																
OC 440-139-1EB													12.50	12.00	150.00	139A		26.25								
OC-065-60-07	-		-		-	-	-	-	-	1					18.1.5.	.=		0.0.77								
OC 530-1-1NB					 	_		_	_		 		14.00	11.00	154.00	1B		36.00							───	
SUBTOTALS (BOX 3 OF 3):					<u> </u>	<u> </u>		<u> </u>	<u> </u>	4	11	5		\downarrow	5711.50		272.50	414.75						ļ	<u> </u>	<u> </u>
SUBTOTALS (BOX 2 OF 3):	_	<u> </u>	_	<u> </u>		<u> </u>	_	<u> </u>		6	9	10	$\left \right>$	$\left \right\rangle$	4258.00		462.50	300.00	26.25						───	
SUBTOTALS (BOX 1 OF 3):		1	9	1			6			2	1	7	\vdash		5761.50		181.75	554.25	66.25		60	1650	6	6	690	168
TOTALS:		1	9	1			6			12	21	22		1 >	15731		916.75	1269.00	92.50		60	1650	6	6	690	168

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AD PROJ. NO.	SHEET NO.	TOTAL SHEETS			
06-10-20				6	ARK.						
				JOB N	ю.	012343	20	153			
			2	SIGNING QUANTITIES							

ACHM

BASIS OF ESTIMATE NMAX = 205 MINERAL AGGREGATE 95.0% ASPHALT BINDER (PG 76-22) 5.0%





























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	DATE	DATE	DATE	DATE	FED ROAD	STATE	FED AD PROJ NO.	Sett!	101A
	NEVISED			7660	6	ARK.			
					100.00		012343	36	153
		!		0	S	GN P	ACEMENT	SHEFT	
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EXIT	133								
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		. 30-133VVE M 194 97	5						
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							No.75	27	ocuSign
							SEPH A.S	ABTIE	
								_	












T	DATE	DATE FENED	DATE HEWSED	DATE FEMED	FED. NOHO	STATE	FED. ND PRIOJ. NO.	SHEET NO.	TOTAL DECTS
t					6	ARK.			
ł					J08 H	0.	012343	42	153
1				0	S	IGN P	LACEMENT	SHEET	



1	DATE	DATE	DATE REVISED	DATE FRMED	FED RO/D NO.	STATE	FED. AD PROJ. NO.	SHEET NO.	1014. SHEETS
	- CONTRACT				6	ARK.			
			-		100	a.	012343	43	153
				0	S	IGN PI	ACEMENT	SHEET	t.

N. 7527 PREPHASABTIN





DATE	PANED	DATE	DATE FEMED	FED. ROAD NO.	STATE	FED. AD PROJ NO.	SHEET HO.	TOTA DELTS
				6	ARK.			
				J08 I	10.	012343	45	153
			0	S	IGN PL	ACEMENT	SHEET	

STATE OF ARKANSAS PECISTEREI RAPESCAIN AL. ENGINEERAM N. 7527 Docd South A. SABTING.



Т	DATE	DATE FLMED	BATE	DATE FRMED	FED. NOAD NO.	STATE	FED. ND PHOJ. NO.	54EE1 NO.	-
ľ					6	ARK.			
t					J08 M	e0.	012343	46	153
				0	S	IGN P	ACEMENT	SHEET	82

STATE O ARKANSAS DISTERE Ne. 7527 PSEPHA.SABTIP

14







T	DATE	DATE	DATE	DATE	FED. 8040 HO.	STATE	FED. HD PROJ. NO.	SHEET NO.	TOTA.
t					6	ARK.			
ł					4 BOL	0.	012343	49	153
•				0	S	IGN P	LACEMENT	SHEET	

141

N. 7527 BPH A. SAR



Т	DATE	DATE FRAED	DATE REVISED	DATE FENED	FEO. ROAD ND.	STATE	FED. ND PROJ. NO.	PELT NO.	101AL DECIS
F					6	ARK.			
Ŀ					J08 N	10.	012343	50	153
				0	S	IGN PI	ACEMENT	SHEET	

JISTER MONTER *** N...7527 SEPHA.SABTH





L	DATE REVISED	DATE FILMED	DATE REVISED	DATE FENED	PED, ROAD NO-	STATE	FED AD PROJ NO	BHEET NO.	TOTAL
F					6	ARK.			
L					A BOR	10.	012343	52	153
				0	S	GN PL	ACEMENT	SHEET	





	DATE	DATE	DATE	DATE	FE0. POID	STATE	TTO AD SHOLLOW	10021	TOTAL
	HE VIDED	- CAEU	HE HOLD	FLNED	H0.	AD	TLU. ALI PROJ. NO.	NO.	Sectis
					0	ARK.	010		450
				0	J08 M	CICH.	012343	54	153
				0		SIGN	LATOUT SH	221	
						OH-	430-60-	54	
			7.3 1			-+	11-10.3 3		
/ C	P a	aı d	h	an	n <	5/	1254-16-4-94-16-41254-10-	ac')	2
	15.5-	1	91			- 28,1			
-	58.7								
-5-W OTE E U D JUS INCE TRUI D JUS L OSI L OSI L OSI	-R; s: contracto tments n the con ctures wi JRES AS A JRES WILL MAINTENANC	-W-R; Arrow R SHALL F ECESSARY TRACTOR A HICH ARE L HICH ARE L WILL BE PART OF BE PAID S E OF TRAI	VUSTOR - STELD VERIF TO ALIGN WILL BE RE OCATED O TRAFFIC (SUBSIDIARY FFIC WORK	Y SIGN PL SIGNS OVI OUIRED TO VER THE F SIBILITY O CONTROL F TO THE F MUST CO	ACEMEN ER INTEN ROADWAN F THE C PAYMENT PAY ITEN NFORM N	T AND IDED L S WHI CONTRA FOR 4 "MAN WITH T	MAKE ANY ANES. RHEAD SIGNS CH ARE CURF ACTOR TO P PROVIDING LA NTENANCE OF HE MUTCD.	ON EENTLY OVIDE NE TRAFF	open Lane 16".
	li SS-4	NSTALL 430-8.0	60SB						
E	VERHEAD	SIGN STRU	CTURE						
		MIN. LENG RAIL	-S FOR	NT	A A A A A A A A A A A A A A A A A A A	STATI RKA EES NGH No.7	NSAS ERE() VIEER S27 Docu 75 SARTINI	₹L.	



(NOTE: REFER TO SPECIAL DETAILS FOR SHOULDER WIDENING AND GUARDRAIL PLACEMENT)

ARKANS TER NGINEE No. 7527 OSEPHA.SABTIC

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC".

THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

NOTES:

OH-630-60-13 OH-630-60-59

DATE REVISIO	DATE FEMED	DATE	DATE PLMED	FED. NO.40 NO.	STATE	FED AD PROJ NO	BHEET HO.	TOTAL DECTS
				6	ARK.			
				A BOL	0	012343	55	153
			0		SIGN	LAYOUT SH	EET	



EXISTING GUARDRAIL (NOTE: REFER TO SPECIAL DETAILS FOR SHOULDER WIDENING AND GUARDRAIL PLACEMENT)

SEPH A.SAS

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.



INSTALL SS-630-4.60EB

CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE

NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

OH-630-60-31 OH-630-60-60

DATE REVISED	DATE FEMED	DATE REVISED	DATE	FED. ROAD NO.	STATE	FED, AD PROJ. NO.	PICET NO.	TOTAL SPECTS
				6	ARK.			
				JOB F	10.	012343	56	153
14			0		SKGN	LAYOUT SH	EET	







DATE	DATE	DATE	DATE	FED. NO/ID ND.	STATE	FED. AD FROJ. NO.	BHEET NO.	TOTAL DECTS
				6	ARK.			
				A BOL	0	012343	59	153
			0		SIGN	LAYOUT SH	EET	

OC-430-60-53

ARKANSA GISTER NTHNER No. 7527 OSEPH A.

EXIT 1B	3
McCain Blvd W	NOTES: THE CONTRACTOR SHALL FIELD ADJUSTMENTS NECESSARY TO A SINCE THE CONTRACTOR WILL E STRUCTURES WHICH ARE LOCAT TO TRAFFIC, IT WILL BE THE RE CLOSURES AS A PART OF TRAF CLOSURES WILL BE PAID SUBSI ALL MAINTENANCE OF TRAFFIC T
EXAMPLE VILLY Solution Control Contro	
INSTALL -BM-067-1-1NE	IT 1 B
INSTALL BM-067-60-46 LM 1.17 NB McCain Blvd	W R
EXIT ONLY	BRIDGE # 0305
INSTALL -NEW BRIDGE MT	17.5 FT. MIN. VER THE HIGHEST PO
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EARANCE OVER THE ROADWAY.

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OH-067-60-47

ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.











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SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.



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BM630-2A-1EB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W; "2", ClearviewHwy-5-W; "A", ClearviewHwy-5-W;

6.0" Radius, 2.0" Border, White on, Green; "Chester St", ClearviewHwy-5-W; "¼", ClearviewHwy-5-W; "MILE", ClearviewHwy-5-W;





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BM-630-60-36

NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.

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BM-630-60-38

THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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BM-630-60-39

THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.




BM630-1A-3EB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green; "Center St", ClearviewHwy-5-W-R; "Main St", ClearviewHwy-5-W-R; Standard Arrow Custom 35.8" X 21.6" 45';





17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.



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BM-630-60-40

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SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM. "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.





BM630-1-1EB;

6.0" Radius, 2.0" Border, White on, Green; Rounded Rectangle 3.0" Radius Yellow; "EXIT", ClearviewHwy-5-W; "1", ClearviewHwy-5-W;

6.0" Radius, 2.0" Border, White on, Green; "15th St", ClearviewHwy-5-W-R; "1/2", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;



BM630-139BC-1EB;

6.0" Radius, 2.0" Border, White on, Green;

"EXITS", ClearviewHwy-5-W-R; "139", ClearviewHwy-5-W-R; "B-C", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green;

"JCT", ClearviewHwy-5-W; "Texarkana", ClearviewHwy-5-W-R; "North Little Rock", ClearviewHwy-5-W-R;

"/2", ClearvlewHwy-5-W-R; "MILE", ClearvlewHwy-5-W-R;



THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAD SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.

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MAINTAIN BM-630-60-02 LM 0.37 WB	ANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE	1WB BRIDGE # 03513 COMMERCE ST. OVER 17.5 FT. MIN. VERTICAL CLEAR THE HIGHEST POINT OF THE

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e of Packag 20° Border, White and General EXTY, Construmentary-SWAR; Constructive-SWAR; Ser Factage, 20° Border, Marker, Chamber Marker, Ser Factage, 20° Border, Marker, 20° 20° 20° Textre: Constructive-SWAR; Ser Factage, 20° Border, Marker, 20° 20° 20° Ser Factage, 20° 20° 20° Ser Factage, 20° 20° Ser	21.7			ALL MANYERANGE OF TRAFFIC
BY Radius, 20 Readworkhy SWRS; Totadows; Unantworking SWRS; EXEC = 304 S30-18-2005 BY Radius, 20 Readworking SWRS; Totadows; Unantworking SWRS; Exit 1B SUP Radius, 20 Readworking SWRS; Totadows; Unantworking SWRS; Exit 1B SUP Radius, 20 Readworking SWRS; Totadows; Unantworking SWRS; Exit 1B Sup Radius, 20 Readworking SWRS; Brite Streagen; Sup Radius, 20 Readworking SWRS	6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "B" ClearviewHwy-5-W-B:			
6 d' Radius 20' Back on Velior: TEXIT: CalandowHoy-S-W-R: TONLY: ClaandowHoy-S-W-R: TONLY: ClaandowHoy-S-W-R: MAINTAIN BM-630-60-03 LM 0.54 WB MAINTAIN BM-630-60-03 LM 0.54 WB MAINTAIN BM-630-60-03 LM 0.54 WB MAINTAIN BM-630-60-03 LM 0.54 WB RIDGE # 0351 CUMBERLAND ST VI.S. FT, MN, VERT The HOREST POR 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE	6.0" Radius, 2.0" Border, White ол, Green; "Center St", ClearviewHwy-5-W-R; "Broadway", ClearviewHwy	/-5-W-R;	REPLACE -BM-630-	1B-2WB
MAINTAIN BM-630-60-03 LM 0.54 WB EXIT ONLY BRIDGE # 0351 CUMBERLAND ST V2.5 FT. MN. VERT THE HOREST FOR 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE	6.0" Radius, 2.0" Border, Black on, Yellow; "EXIT", ClearviewHwy-5-W-R; Down Arrow 22.0" 270';		EXIT 1B	
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BM630-2B-1WB:

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

6:0" Radius, 2:0" Border, White on, Green;

"Dr Martin", ClearviewHwy-5-W-R; "Luther", ClearviewHwy-5-W-R;

"King", ClearviewHwy-5-W-R; "Jr", ClearviewHwy-5-W-R; "Dr", ClearviewHwy-5-W-R; "¼ ", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;



BM630-2A-2WB:

6.0" Radius, 2.0" Border, White on, Green;

"EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, While on, Green; "Chester St", ClearvlewHwy-5-W-R;

6.0" Radius, 2.0" Border, Black on, Yellow;

"EXIT" ClearviewHwy-5-W-R; Standard Arrow Custom 35.8" X 21.6" 45'; "ONLY", ClearviewHwy-5-W-R;



REPLACE -BM-630-2A-2WB



17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.



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17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.





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r, White on, Green; -W-R: "3" Cleanview/Hwy-5-W-R: "4" Cleanview/Hwy 5 W R:		
r, White on, Green; wHwy-5-W-R; "1", ClearviewHwy-5-W-R;	REPLACE -BM-	630-3A-1WB
-W-R;	EXIT 3A	
MAINTAIN BM-630-60-10 LM 1.73 WB	Woodrow St	
	1 MILE	
		BRIDGE # 03502 MLK OVERPASS
		17.5 FT. MIN. VERTICAL CLEAF THE HIGHEST POINT OF THE
12' TRAFFIC LANE 12' TRAFFIC L	ANE 12' TRAFFIC LANE	
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COURED TO INSTALL OVERHEAD SIGNS ON VER THE ROADWAYS WHICH ARE CURRENTLY OPEN ISIBILITY OF THE CONTRACTOR TO PROVIDE LANE CONTROL. PAYMENT FOR PROVIDING LANE TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". MUST CONFORM WITH THE MUTCD.

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EARANCE OVER THE ROADWAY.











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NOTES: NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

OC030-135-2WB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "135", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green; "65th St", ClearviewHwy-5-W-R; Arrow Custom - 35.8" 45';





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17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.

NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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BM-030-60-40



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EXISTING GUARDRAIL (NOTE: REFER TO SPECIAL DETAILS FOR SHOULDER WIDENING AND GUARDRAIL PLACEMENT)

TATE O ARKANSAS * * * /ISTERE/ RUFESSICITAL GNERNER * * * No. 7527 De OSEPHA.SABTI

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAD SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

OH-030-60-59

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EXISTING GUARDRAIL (NOTE: REFER TO SPECIAL DETAILS FOR SHOULDER WIDENING AND GUARDRAIL PLACEMENT)

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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No. 7527 SEPH A. SART

NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES. SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL, PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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EXISTING GUARDRAIL (NOTE: REFER TO SPECIAL DETAILS FOR SHOULDER WIDENING AND GUARDRAIL PLACEMENT)

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAD SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.

STER No. 7527



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6.0" Radius, 2.0" Border, White "EXIT", ClearviewHwy-5-W-R;	le on, Green;			
"135", ClearviewHwy-5-W-R; 6.0" Radius, 2.0" Border, White "65th St", ClearviewHwy-5-W-R "1", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;	te on, Green; R;		REPLACE -BM-30-135-1EB	
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THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON CTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN RAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE JRES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE JRES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". JAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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ICAL CLEARANCE OVER NT OF THE ROADWAY.

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NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAD SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

SEE OVERHEAD SIGN STRUCTURE DÉTAILS FOR MIN. LENGTH.

TATE ARKANSA A + GISTER OFENDINAL * * * No. 7527 OSEPH A.SAS





NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES. SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

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OH-030-60-36

ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCH.

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

ARKAŃSAS STERE ESSIONAL ENGINEEK * * * No. 7527 OSEPHA.SARTIT

EXISTING GUARDRAIL (NOTE: REFER TO SPECIAL DETAILS FOR



12' TRAFFIC LANE 12' TRAFFIC LANE 12' TRAFFIC LANE





17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.

BRIDGE # A5700 I-440/30WB OVERPASS

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

SEE OVERHEAD SIGN STRUCTURE DETAILS FOR MIN. LENGTH.

TATE ARKANSAS 18 **E**TEREI OVESSIAN NGINEH * * * No. 7527 D SEPH A. SNRT





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THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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ATE O ARKANSAS STERED No. 7527 SEPHA.SARTI



BM530-1-1NB; 8.0° Radius, 2.0° Border, Black on, Yellow; "LEFT LANE ENDS", ClearvlawHwy-5-W-R; "800 FEET", ClearvlawHwy-5-W-R;

REPLACE -BM-530-1-1NB

LEFT LANE ENDS MAINTAIN BM-530-60-09 **800 FEET** BRIDGE # C5700 LM 0.31 NB I-530S/I-440E OVERPASS

17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.

12' TRAFFIC LANE 12' TRAFFIC LANE





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SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

NOTES: NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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NOTES: NUTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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ARKANSAS **STERE** REGIO No. 7527 SEPH A. SABT



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NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL. PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAD SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.





OC440-139-1EB;

6,0" Radius, 2,0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "139", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green;

M1-6; "Roosevelt", ClearvlewHwy-5-W-R; "Road", ClearviewHwy-5-W-R; "1/2 ", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;



SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL, PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.



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OC-440-60-23

MAINTAIN OVERHEAD STRUCTURE OC-440-60-23 440WB TO 30EB RAMP

17.5 FT. MIN. VERTICAL CLEARANCE OVER THE HIGHEST POINT OF THE ROADWAY.







MO. STATE FED. AD PROJ. NO.

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TATE OF ARKANSAS //ISTERE/ RTFESSICITAL No. 7527 Do SEPHA SABTIF

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

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PANED DATE REVISED DATE FILMED FED.RO/D NO. STATE FED. ND PROJ. NO. SEET TOTAL SEETS DATE REVISED 6 ARM 012343 118 153 JOB NO. SIGN LAYOUT SHEET

OH-440-60-20



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OC-065-60-07





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OH-065-60-01

NOTES: THE CONTRACTOR SHALL FIELD VERIFY SIGN PLACEMENT AND MAKE ANY ADJUSTMENTS NECESSARY TO ALIGN SIGNS OVER INTENDED LANES.

SINCE THE CONTRACTOR WILL BE REQUIRED TO INSTALL OVERHEAD SIGNS ON STRUCTURES WHICH ARE LOCATED OVER THE ROADWAYS WHICH ARE CURRENTLY OPEN TO TRAFFIC, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE LANE CLOSURES AS A PART OF TRAFFIC CONTROL PAYMENT FOR PROVIDING LANE CLOSURES WILL BE PAID SUBSIDIARY TO THE PAY ITEM "MAINTENANCE OF TRAFFIC". ALL MAINTENANCE OF TRAFFIC WORK MUST CONFORM WITH THE MUTCD.

EPH A.SN



EXIT1A-EB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



- EXIT1B-EB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;
- Arrow Custom 29.0" 45';



EXIT2A-EB; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



6.0" Radius, 2.0" Border, White on, Green;
"EXIT", ClearviewHwy-5-W-R;
"1", ClearviewHwy-5-W-R;
"A", ClearviewHwy-5-W-R;
Arrow Custom - 29.0" 45';



EXIT1B-WB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W; "2", ClearviewHwy-5-W-R;

"A", ClearviewHwy-5-W-R; Turn Arrow Custom;

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EXIT2B-EB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



EXIT2B-WB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';

SEPHAS



EXIT3A-WB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



EXIT3B-WB ;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



EXIT3B-EB :

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



6.0" Radius, 2.0" Border, White on, Green;
"EXIT", ClearviewHwy-5-W-R;
"4", ClearviewHwy-5-W-R;
Arrow Custom - 29.0" 45';



EXIT4-EB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "4", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';

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EXIT2A-WB-AUX;

6.0" Radius, 2.0" Border, Black on, Yellow; "20 MPH", ClearviewHwy-5-W-R;



EXIT1-EB-AUX;

6.0" Radius, 2.0" Border, Black on, Yellow; "30 MPH", ClearviewHwy-5-W-R;

N. 7527 PEPH A.SABS





ML	630	-2-1	EB

6.0" Radius, 2.0" Border, White on, Green;

"AR Children's", ClearviewHwy-5-W-R; "Hospital", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R;

"2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

437-



LFL30-133WB; 6.0" Radius, 2.0" Border, White on, Blue:

"FOOD - EXIT 133", ClearviewHwy-3-W; "LODGING - EXIT 133", ClearviewHwy-3-W



ML630-2-2EB:

6.0" Radius, 2.0" Border, White on, Green;

"AR State Fair", ClearviewHwy-5-W-R; "Complex", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R;

"2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

AR Children's Hospital EXIT 2 B 12.6--25.6-13.3-- 12.6--103.9--417-- 94 R-- 13.3- + 10.4- 9- + 11.4-



ML 630-2-2WB 6.0" Radius, 2.0" Border, White on, Green; "AR Children's", ClearviewHwy-5-W-R; "Hospital", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

State Capitol Complex EXIT 2 B -13.4-117-36.4 ₩-13,3-₩ 10,4%-9-₩-11,4-₩-

ML630-2-3EB:

6.0" Radius, 2.0" Border, White on, Green;

"State Capitol", ClearviewHwy-5-W-R; "Complex", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

AR Baptist <u></u> +- 13.3 - 4 − 1 College -k- 13.3-EXIT 2B

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ML630-2-3WB:

6.0" Radius, 2.0" Border, White on, Green; "AR Baptist", ClearviewHwy-5-W-R; "College", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;



MI 630-2-6EB 6.0" Radius, 2.0" Border, White on, Green;

"Philander Smith", ClearviewHwy-5-W-R; "College", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;



MI 630-2-5EB

6.0" Radius, 2.0" Border, White on, Green;

"AR Baptist", ClearviewHwy-5-W-R; "College", ClearviewHwy-5-W-R;

"EXIT", ClearviewHwy-5-W-R; "2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

AR State Fair Complex EXIT 2 B 13.3--25.5-13.8-- 37.2-13.3--39 4-89 2--39.4-13 3-+ 10 4+ 9-+ 11.4-

-43.7-



ML630-2-5WB 6.0" Radius, 2.0" Border, White on, Green;

-437

"AR State Fair", ClearviewHwy-5-W-R; "Complex", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R;

"2", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

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ML30-130-3EB;

6.0" Radius, 2.0" Border, While on, Green; "Arkansas", ClearviewHwy-5-W-R; "Department of", ClearviewHwy-5-W-R; "Transportation", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "130", ClearviewHwy-5-W-R;





ML30-135-1EB;

6.0" Radius, 2.0" Border, While on, Green; "EXIT", ClearviewHwy-5-W-R; "135", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green; "65th St", ClearviewHwy-5-W-R; Arrow Custom - 35.8" 45';



ML30-132-1EB;

6.0" Radius, 2.0" Border, White on, Green;

"UA-Little Rock", ClearviewHwy-5-W-R; "AR State Fair", ClearviewHwy-5-W-R; "Complex", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "132", ClearviewHwy-5-W-R;

46.6

ML30-130-2EB;

6.0" Radius, 2.0" Border, White on, Green; M1-6; "Baseline Rd", ClearviewHwy-5-W-R; "Mabelvale", ClearviewHwy-5-W-R; "1/2", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;

LL30-135EB : 6.0" Radius, 2.0" Border, White on, Blue; "LODGING - EXIT 135", ClearviewHwy-3-W;

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6.0" Radius, 2.0" Border, White on, Green;

"EXIT", ClearviewHwy-5-W-R; "130", ClearviewHwy-5-W-R;



"LODGING - EXIT 134". ClearviewHwy-3-W

UAMS Medical Center McClellan VA Hospital EXIT 3 B

36.5-

"UAMS Medical Center", ClearviewHwy-5-W-R; "McClellan VA Hospital", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R;

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ML630-3-1WB;

6.0" Radius, 2.0" Border, White on, Green;

"AR Sch for the Blind", ClearviewHwy-5-W-R; "AR Sch for the Deaf", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A, ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "A, ClearviewHwy-

AR Sch for the Blind AR Sch for the Deaf EXIT 3A 11.2 -- 34-13.8-- 11 24 13.8 25.5 12.7 _____ 29 ____ ______ 11 7___ _____32.7____ -45.6= 13.8--82 2-82 2-

ML630-3-2EB;

11.6

MI 630-3-1EB

"B". ClearviewHwv-5-W-R:

6.0" Radius, 2.0" Border, White on, Green;

-98.9-

6.0" Radius, 2.0" Border, White on, Green;

"AR Sch for the Blind", ClearviewHwy-5-W-R; "AR Sch for the Deaf", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;

UAMS Medical Center McClellan VA Hospital EXIT **3 B**

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ML630-3-2WB;

6.0" Radius, 2.0" Border, White on, Green;

"UAMS Medical Center", ClearviewHwy-5-W-R; "McClelian VA Hospital", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "3", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;





EXIT138-WB; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 135';

"138", ClearviewHwy-5-W-R;



EXIT138A-WB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "138", ClearviewHwy-5-W-R 90% spacing; "A", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 45';



ML30-139-2EB;

6.0" Radius, 2.0" Border, White on, Green;

"AR State Fair", ClearviewHwy-5-W-R; "Complex", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R;

"139", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;



EXIT138B-WB ; 6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "138", ClearviewHwy-5-W-R 90% spacing; "B", ClearviewHwy-5-W-R; Arrow Custom - 29.0" 135'; W13-2 48" X 60"



SS-630-4.60EB SS-430-8.60SB SS-55-22.706NB



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■ 36.6		

ML30-139-1EB; 6.0" Radius, 2.0" Border, While on, Green "Little Rock", ClearviewHwy-5-W-R; "Natl C "139", ClearviewHwy-5-W-R; "A", Clearview



ML440-1-1EB;

6.0" Radius, 2.0" Border, White on, Green; "Little Rock", ClearviewHwy-5-W-R; "Natl Cer "1", ClearviewHwy-5-W-R;

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6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "134", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on Green: "Scott Hamilton Dr", ClearviewHwy-5-W-R; "Stanton Rd", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;

"Geyer Springs", ClearviewHwy-5-W-R; "Road", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;





ML530-138-1SB;

6.0" Radius, 2.0" Border, White on, Green; Rounded Rectangle 3.0" Radius Yellow; "EXIT", ClearviewHwy-5-W-R; "138", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green; "E", ClearviewHwy-5-W-R; "AST", ClearviewHwy-5-W-R; Symbol RA010; "Memphis", ClearviewHwy-5-W-R; "St Louis", ClearviewHwy-5-W-R; Arrow Custom - 35.8" 135';





ML30-130-1EB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "130", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green;

M1-6; "Baseline Rd", ClearviewHwy-5-W-R; "Mabelvale", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "MILE", ClearviewHwy-5-W-R;

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ML530-1-4NB;

6.0" Radius, 2.0" Border, White on, Green;Rounded Rectangle 3.0" Radius Yellow;"EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "B", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green;
"W", ClearviewHwy-5-W-R; "EST", ClearviewHwy-5-W-R; Arrow Custom - 35.8" 135';
"Texarkana", ClearviewHwy-5-W-R;



ML30-133-2WB ; 6.0" Radius, 2.0" Border, White on, Blue; "State Police HQ", ClearviewHwy-5-W-R; "EXIT", ClearviewHwy-5-W-R; "133", ClearviewHwy-5-W-R; HERSTATE 440 Memphis St Louis

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K			— 204 ——

ML530-1-5NB;

6.0" Radius, 2.0" Border, White on, Green; "EXIT", ClearviewHwy-5-W-R; "1", ClearviewHwy-5-W-R; "A", ClearviewHwy-5-W-R;

6.0" Radius, 2.0" Border, White on, Green;

"E", ClearviewHwy-5-W-R; "AST", ClearviewHwy-5-W-R; "Memphis", ClearviewHwy-5-W-R; "St Louis", ClearviewHwy-5-W-R; Symbol RA010; Arrow Custom - 35.8" 45';





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Note: The Contractor shall make field measurements to determine the column heights "HI" and "H2" that are required to maintain the minimum vertical clearance with the centerline of the sign located at the centerline of the truss. These column heights shall be shown on the shop drawings with a note stating that the Contractor has made the required field measurements. If the structure height ("H" or "H2") exceeds 30^{-0} " contact the Engineer. The Contractor shall also verify that the variable span length (86'-0" to 100'-0") is sufficient to meet the minimum clearances and to fit the new structure to the existing and/or proposed conditions.

TABLE OF VARIABLES

		FOUNDATION			
SIGN STRUCTURE	SPAN LENGIH "S"	MEDIAN	OUTSIDE SHOULDER		
0H-630-60-6I	88'-0"	A	А		
ОН-630-60-62	88'-0"	A	А		
ОН-430-60-54	88'-0"	A	А		

TABULAR DATA BY: CMW DATE: 10/17/19 CHECKED BY: SWP DATE: 4/17/2020

APPROXIMATE QUANTITIES FOR FOUNDATION (FOR INFORMATION ONLY)

STRUCTURE	CLASS S CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EXCAVATION (CU. YDS.)
FOUNDATION A	14.37	2,101	47
FOUNDATION B	32.89	3,807	39



TRUSS CAMBER DIAGRAM



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SHEET I OF 5 DETAILS OF 86' TO 100' STEEL OVERHEAD SIGN STRUCTURE ROUTE SEC. ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK. DRAWN BY: EOR DATE: 9/3/15 FILENAME: 0012343_11.dgn CHECKED BY: ACP DATE: 4/8/16 SCALE: No Scale DESIGNED BY: ACP DATE: 1/12 STR. NO. SEE TABLE

DRAWING NO. 61711



T DATE: 4/24/20



NT DATE: 4/24/2020





GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 2014 Edition, with applicable Supplemental Specifications and Special Provisions. Section and Subsection refer to the Specifications unless otherwise noted in the plans.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, Sixth Edition, 2013 with current interim revisions.

Basic Wind Speed = 90 mph. Fatigue Category: I

This structure is approved for a maximum sign area equal to 75% of the span length times a sign height of 15 feet. Use of additional sign area must be approved by the Engineer. If the structure height ("HI" or "H2") exceeds 30° -0" contact the Engineer.

FOUNDATION MATERIALS AND STRENGTHS: f'c = 3.500 psi Class S Concrete Reinforcing Steel (Gr. 60, AASHTO M 31 or M 322, Type A) fy = 60,000 psi

Structural steel sign support members shall comply with the following specifications:

Angles: Plate, W-Section:	ASTM A709,Gr.36 (Fy = 36,000 psi) ASTM A709,Gr.50 (Fy = 50,000 psi)
I Pipe:	ASTM A139, Gr. C. straight-seam welded (Fy = 42,000 psi).
	ASTM A500, Gr. B (Fy = 42,000 psi).
	ASTM A501. Gr. B (Fy = 50.000 psi).
Z-Shapes:	ASTM A709. Gr. 36 (Fy = 36.000 psi)
Shim Plates:	ASTM AIOH, SS. Grade 36. Type 2. or Grade 40
Bolts:	ASTM F3125, Grade A325, Type I
Locknuts:	ASTM A563 Grade DH or AASHTO M 292 Grade 2H
Washers:	ASTM F436
Nuts:	ASTM A563 Grade DH or AASHTO M 292 Grade 2H

The Contractor shall make check measurements in the field and make any adjustments necessary to meet the required clearances and to fit the new structure to the existing conditions

Drawings show general features of design only. Shop drawings shall be made in accordance with Subsection 807.04, submitted, and approval secured before fabrication is begun.

Requests for substitution of structural steel shapes shown with shapes of greater size must be submitted by the Contractor to the Engineer for approval. Steels of equal or greater strengths will be accepted only when shown on the approved shop drawings. Shapes and materials shown in the plans will be the basis of payment and no additional compensation will be made for any adjustments due to substitutions.

All steel shall be galvanized according to Subsection 807.19. Steel completely encased in concrete may not be galvanized. Galvanized coating damaged during transport, handling or erection shall be field repaired in accordance with Subsection 807,88.

All main load carrying tension members greater than l_2'' in thickness shall conform to the requirements of the Longitudinal Charpy V-Notch test specified for Zone I minimum service temperature. This work and materials shall be paid for in accordance with Job Special Provision "Steel Sign Structures".

Field splices shall be located in order to avoid sign panel connections. There shall be a maximum of two field splices and they shall be spaced a minimum of 15 feet apart.

Truss field sections shall be shop assembled. Entire truss shall be fully assembled and lifted into place as one unit on to tower supports. All truss member connections shall be bolted connections.

All welding that is to be done during fabrication of structural steel, including temporary welds, shall be detailed on the shop drawings and submitted for approval. If additional welds are required, whether temporary or permanent, a formal request with detailed drawings shall be submitted to the Engineer for approval. All welding shall conform to Subsection 807.26 except welding of tubular sections shall conform to AWS DLI Structural Welding Code.

No circumferential butt welds will be allowed in any pipe sections.

All fillet welds of critical members shall be tested according to AWS DLI Structural Welding Code - Steel using the magnetic particle method. Critical welds shall include: column to base plate and truss bottom support to column.

Connections shall be bolted with high-strength bolts. Unless otherwise noted bolts shall be $\frac{1}{6}$ " diameter and open holes shall be $\frac{1}{6}$ ". Bolt spacing shall be $\frac{2}{4}$ " for $\frac{5}{6}$ " diameter bolts unless otherwise noted. Bolts shall be placed with heads on the outside face of all members.

All truss frame bolts shall comply with ASTM F3125, Grade A325 Type I, and shall be galvanized according to Subsection 807.06. Nuts and washers for ASTM F3125, Grade A325 Type I bolts shal I be furnished and galvanized in accordance with Subsection 807.06.

Lock nuts to be equipped with nylon locking inserts or other approved type locking system. Lock nuts to be installed according to manufacturer's recommendations.

Anchor bolts shall comply with AASHTO M 314, Grade 55 including Supplementary Requirement SI, and galvanized according to Subsection 807.07. Nuts and washers for anchor bolts shall be furnished and galvanized in accordance with Subsection 807.07.

Shoring may be required to protect existing shoulders during excavation. Any shoring required shall not be paid for directly, but shall be considered incidental to the item "Steel Overhead Sign Structure (_____)". The excavations for the footings shall be backfilled before the structure is attached to the foundations.



Note: See sign details and plan sheets for number, size and dimensions of signs.

HANGER SPACING DETAILS FOR EXTRUDED PANEL SIGNS

In addition to material requirements, all pipe used for welded applications shall have a maximum carbon equivalency (CE) of 0.4 using the following equation:

CE = %C + %Mn/6 + %Cu/40 + %Ni/20 + %Cr/10 - %Mo/50 - %V/10



HANGER VARIABLES

lax.Length of Sign = "L"	"n" Hangers	Cantilever Length "Cn"		
15'-0"	2 Hangers	0.21 x 'L'	(
30'-0"	3 Hangers	0.145 × 'L'	0	
45'-0"	4 Handers		0	

Hanger spacing and cantilever length shall be rounded to the nearest inch.

Charles R. Ellis Apr 30 2020 3:23 PM

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ISOMETRIC VIEW





Т	DATE	DATE	DATE	DATE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
L		1 ILINED	HE TISED			4.004			
Е					6	АНК,			
E									
F					JOB N	n.	010747	137	153
L							012343	107	100
					SEE TA	BLE	OVERHEAD SIGN S	STR.	61716

TABLE OF VARIABLES

		FOUNDATION			
SIGN STRUCTURE	SPAN LENGTH "S"	MEDIAN	OUTSIDE SHOULDER		
0H-055-18-31	55'-0"	A	А		
OH-067-60-47	68'-0"	В	А		
OH-630-60-59	68'-0"	A	A		

TABULAR DATA BY: CMW DATE: 10/17/19 CHECKED BY: SWP DATE: 4/17/2020

BAR LIST-FOUNDATION A

MARK	NO. REO'D	LENGTH	P.D.	BENDING DIAGRAMS
				Dimensions are out to out of bars.
C40I	8	17'-2"	3"	. 6'-3"
C60I	46	6'-9"	41/2"	
F601	30	16'-6"	Str.	
F602	66	7'-6"	Str.	
				45*
				<u>C40</u> I <u>C60</u> I
	-			

BAR LIST-FOUNDATION B

0.RE0'D	LENGTH	P.D.	BENDING DIAGRAMS
			Dimensions are out to out of bars.
5	25'-2"	3"	. 10'-9" 7'-3"
10	18'-2"	3"	
76	8'-3"	4 ¹ /2"	
70	7'-6"	Str.	
30	17'-6"	Str.	
			1402 <u>1403</u> <u>1602</u>

APPROXIMATE QUANTITIES FOR FOUNDATION (FOR INFORMATION ONLY)

STRUCTURE	CLASS S CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EXCAVATION (CU. YDS.)
FOUNDATION A	16.30	2,045	49
FOUNDATION B	24.67	2,724	30

SHEET I OF 5 DETAILS OF 55' TO 69' STEEL OVERHEAD SIGN STRUCTURE

ROUTE SEC. ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK. DRAWN BY: A.M.S. DATE: 7/24/15 FILENAME: 0012343_12.dgn SCALE: No Scale CHECKED BY: ACP DATE: 4/8/16 DESIGNED BY: TMG DATE: 9/15 STR. NO. SEE TABLE DRAWING NO. 61716



IT DATE: 4/24/2020





GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 2014 Edition, with applicable Supplemental Specifications and Special Provisions. Section and Subsection refer to the Specifications unless otherwise noted in the plans.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, Sixth Edition, 2013 with current interim revisions.

Basic Wind Speed = 90 mph. Fatigue Category: I

This structure is approved for a maximum sign area equal to 75% of the span length times a sign height of 15 feet. Use of additional sign area must be approved by the Engineer. If the structure height ("HI" or "H2") exceeds 30'-0" contact the Engineer.

FOUNDATION MATERIALS AND STRENGTHS: Class S Concrete f'c = 3,500 psi Reinforcing Steel (Gr. 60, AASHTO M 31 or M 322, Type A) fy = 60,000 psi

Structural steel sign support members shall comply with the following specifications:

Angles: Plate,W-Section: Pipe:	ASTM A709,Gr.36 (Fy = 36,000 psi) ASTM A709,Gr.50 (Fy = 50,000 psi) ASTM A139.Gr.C.strgight-segm welded (Fy = 42,000 psi).
	ASTM A500. Gr. B (Fy = 42,000 psi).
	ASTM A501. Gr. B (Fy = 50.000 psi).
Z-Shapes:	ASTM A709. Gr. 36 (Fy = 36.000 psi)
Shim Plates:	ASTM AIOH, SS, Grade 36, Type 2, or Grade 40
Bolts:	ASTM F3125, Grade A325, Type I
Locknuts:	ASTM A563 Grade DH or AASHTO M 292 Grade 2H
Washers:	ASTM F436
Nuts:	ASTM A563,Grade DH or AASHTO M 292,Grade 2H

The Contractor shall make check measurements in the field and make any adjustments necessary to meet the required clearances and to fit the new structure to the existing conditions

Drawings show general features of design only. Shop drawings shall be made in accordance with Subsection 807.04, submitted, and approval secured before fabrication is begun.

Requests for substitution of structural steel shapes shown with shapes of areater size must be submitted by the Contractor to the Engineer for approval. Steels of equal or greater strengths will be accepted only when shown on the approved shop drawings. Shapes and materials shown in the plans will be the basis of payment and no additional compensation will be made for any adjustments due to substitutions.

All steel shall be galvanized according to Subsection 807,19. Steel completely encased in concrete may not be galvanized. Calvanized coating damaged during transport, handling or erection shall be field repaired in accordance with Subsection 807.88.

All main load carrying tension members greater than $\frac{1}{2}$ " in thickness shall conform to the requirements of the Longitudinal Charpy V-Notch test specified for Zone I minimum service temperature. This work and materials shall be paid for in accordance with Job Special Provision "Steel Sign Structures".

Field splices shall be located in order to avoid sign panel connections. There shall be a maximum of two field splices and they shall be spaced a minimum of 15 feet apart.

Truss field sections shall be shop assembled. Entire truss shall be fully assembled and lifted into place as one unit on to tower supports. All truss member connections shall be bolted connections.

All welding that is to be done during fabrication of structural steel, including temporary welds, shall be detailed on the shop drawings and submitted for approval. If additional welds are required, whether temporary or permanent, a formal request with detailed drawings shall be submitted to the Engineer for approval. All welding shall conform to Subsection 807.26 except welding of tubular sections shall conform to AWS DLI Structural Welding Code.

No circumferential butt welds will be allowed in any pipe sections.

All fillet welds of critical members shall be tested according to AWS DLI Structural Welding Code - Steel using the magnetic particle method. Critical welds shall include: column to base plate and truss bottom support to column.

Connections shall be bolted with high-strength bolts. Unless otherwise noted, bolts shall be $\frac{5}{6}$ " diameter and open holes shall be $\frac{11}{16}$ ". Bolt spacing shall be $\frac{21}{4}$ " for $\frac{5}{8}$ " diameter bolts unless otherwise noted. Bolts shall be placed with heads on the outside face of all members.

All truss frame bolts shall comply with ASTM F3125, Grade A325 Type I, and shall be galvanized according to Subsection 807.06. Nuts and washers for ASTM F3125, Grade A325 Type I bolts shall be furnished and galvanized in accordance with Subsection 807.06.

Lock nuts to be equipped with nylon locking inserts or other approved type locking system. Lock nuts to be installed according to manufacturer's recommendations.

Anchor bolts shall comply with AASHTO M 314, Grade 55 including Supplementary Requirement SI, and galvanized according to Subsection 807.07. Nuts and washers for anchor bolts shall be furnished and galvanized in accordance with Subsection 807.07.

Shoring may be required to protect existing shoulders during excavation. Any shoring required shall not be paid for directly, but shall be considered incidental to the item "Steel Overhead Sign Structure (_____)". The excavations for the footings shall be backfilled before the structure is attached to the foundations.



Note: See sign details and plan sheets for number, size and dimensions of signs.

HANGER SPACING DETAILS FOR EXTRUDED PANEL SIGNS

In addition to material requirements, all pipe used for welded applications shall have a maximum carbon equivalency (CE) of 0.4 using the following equation:

CE = %C + %Mn/6 + %Cu/40 + %Ni/20 + %Cr/10 - %Mo/50 - %V/10

HANGER VARIABLES	DEVICED	DAIL	DATE	DATE	FED. NOAD DIST. NO.	STATE	FED. AID PROJ. NO.	NO.	SHEETS
HANGER VARIABLES	NEVISED	FILMED	REVISED	FILMED	6	ARK,			
					JOB N	0.	012343	141	153
HANGER VARIABLES				0	SEE TA	BLE	OVERHEAD SIGN S	STR.	61720
Max.Length of "n" Cantilever Hange Sign = "L" Hangers "Cn" 'Sn"	er ng								
I5'-0" 2 Hangers 0.21 x 'L' 0.58 x	′L′								
30'-0" 3 Hangers 0.145 x 'L' 0.355 >						P	z		
45-0 4 Hangers 0.01 x L 0.262 S Hanger spacing and cantilever length shall be rounded to the nearest inch.									

Charles R. Ellis Apr 30 2020 3:24 PM

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ISOMETRIC VIEW



SHEET 5 OF 5 DETAILS OF 55' TO 69' STEEL OVERHEAD SIGN STRUCTURE ROUTE SEC. ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK. DRAWN BY: A.M.S. DATE: 7/24/15 FILENAME: 0012343_12.dgn CHECKED BY: ACP DATE: 4/8/16 SCALE: No Scale DESIGNED BY: TMG DATE: 9/15 STR. NO. SEE TABLE DRAWING NO. 61720



DATE	DATE	DATE	DATE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
NETIGED	FILMED	REVISED	T ILMED	6	ARK.			
				-				
				JOB N	0.	012343	142	153
			0	SEE TA	BLE	OVERHEAD SIGN S	STR.	61721

Note: The Contractor shall make field measurements to determine the column vertical e: The Contractor shall make field measurements to determine the column heights "HI" and "H2" that are required to maintain the minimum vertical clearance with the centerline of the sign located at the centerline of the truss. These column heights shall be shown on the shop drawings with a note stating that the Contractor has made the required field measurements. If the structure height ("HI" or "H2") exceeds 30'-0" contact the Engineer. The Contractor shall also verify that the variable span length (T0'-0" to 85'-0") is sufficient to meet the minimum clearances and to fit the new structure to the existing and/or proposed conditions.

TABLE OF VARIABLES

		FOUNDATION			
SIGN STRUCTURE	SPAN LENGTH "S"	MEDIAN	OUTSIDE SHOULDER		
OH-030-60-64	82'-0"	А	А		
OH-030-60-65	76'-0"	A	A		
OH-630-60-60	80'-0"	В	А		

TABULAR DATA BY: CMW DATE: 10/17/19 CHECKED BY: SWP DATE: 4/17/2020

APPROXIMATE QUANTITIES FOR FOUNDATION (FOR INFORMATION ONLY)

STRUCTURE	CLASS S CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EXCAVATION (CU. YDS.)
FOUNDATION A	17.22	2,161	51
FOUNDATION B 24.67		2,748	30



TRUSS CAMBER DIAGRAM

0574	SHEET TUF 5
DETA	ILS FOR (0' 10 85'
STEEL OVI	ERHEAD SIGN STRUCTURE
	ROUTE SEC.
ARKANSAS ST	ATE HIGHWAY COMMISSION
L	ITTLE ROCK, ARK.
DRAWN BY: ACP	DATE: 01/08/16 FILENAME: 0012343_+3.dgn
CHECKED BY: KWY	DATE: 4/8/16 SCALE: No Scale
DESIGNED BY: RBR	DATE: 8/11
STR. NO. SEE TABLE	DRAWING NO. 61721



NT DATE: 4/24/20



DRAWN BY:	ACP	DATE:	01/08/16	_ FILENAME: 0012343_+3.
HECKED BY:	KWY	DATE:	4/8/16	SCALE: No Scale
DESIGNED BY:	RBR	DATE:	8/11	


CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 2014 Edition, with applicable Supplemental Specifications and Special Provisions. Section and Subsection refer to the Specifications unless otherwise noted in the plans.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, Sixth Edition, 2013 with current interim revisions.

Basic Wind Speed = 90 mph. Fatigue Category: I

This structure is approved for a maximum sign area equal to 75% of the span length times a sign height of 15 feet. Use of additional sign area must be approved by the Engineer. If the structure height ("H1" or "H2") exceeds 30'-0" contact the Engineer.

FOUNDATION MATERIALS AND STRENGTHS: Class S Concrete

f'c = 3,500 psi Reinforcing Steel (Gr. 60, AASHTO M 31 or M 322, Type A) fy = 60,000 psi

Structural steel sign support members shall comply with the following specifications:

Angles:	ASTM A709, Gr. 36 (Fy = 36,000 psi)
Plate, W-Section:	ASTM A709, Gr. 50 (Fy = 50,000 psi)
I Pipe:	ASTM AI39. Gr. C. straight-seam welded (Fy = 42,000 psi
	ASTM A500. Gr. B (Fy = 42,000 psi).
	ASTM A501. Gr. B (Fy = 50.000 psi).
Z-Shapes:	ASTM A709. Gr. 36 (Fy = 36.000 psi)
Shim Plates:	ASTM AIOH, SS. Grade 36. Type 2. or Grade 40
Bolts:	ASTM F3125, Grade A325, Type I
Lockouts:	ASTM A563 Grade DH or AASHTO M 292 Grade 2H
Washers:	ASTM F436
Nuts:	ASTM A563. Grade DH or AASHTO M 292. Grade 2H

The Contractor shall make check measurements in the field and make any adjustments necessary to meet the required clearances and to fit the new structure to the existing conditions

Drawings show general features of design only. Shop drawings shall be made in accordance with Subsection 807.04, submitted, and approval secured before fabrication is begun.

Requests for substitution of structural steel shapes shown with shapes of greater size must be submitted by the Contractor to the Engineer for approval. Steels of equal or greater strengths will be accepted only when shown on the approved shop drawings. Shapes and materials shown in the plans will be the basis of payment and no additional compensation will be made for any adjustments due to substitutions.

All steel shall be galvanized according to Subsection 807.19. Steel completely encased in concrete may not be galvanized. Galvanized coating damaged during transport, handling or erection shall be field repaired in accordance with Subsection 807,88.

All main load carrying tension members greater than l_2'' in thickness shall conform to the requirements of the Longitudinal Charpy V-Notch test specified for Zone I minimum service temperature. This work and materials shall be paid for in accordance with Job Special Provision "Steel Sign Structures".

Field splices shall be located in order to avoid sign panel connections. There shall be a maximum of two field splices and they shall be spaced a minimum of 15 feet apart.

Truss field sections shall be shop assembled. Entire truss shall be fully assembled and lifted into place as one unit on to tower supports. All truss member connections shall be bolted connections.

All welding that is to be done during fabrication of structural steel, including temporary welds, shall be detailed on the shop drawings and submitted for approval. If additional welds are required, whether temporary or permanent, a formal request with detailed drawings shall be submitted to the Engineer for approval. All welding shall conform to Subsection 807.26 except welding of tubular sections shall conform to AWS DLI Structural Welding Code.

No circumferential butt welds will be allowed in any pipe sections.

All fillet welds of critical members shall be tested according to AWS DLI Structural Welding Code - Steel using the magnetic particle method. Critical welds shall include: column to base plate and truss bottom support to column.

Connections shall be bolted with high-strength bolts. Unless otherwise noted bolts shall be %" diameter and open holes shall be %". Bolt spacing shall be 2/4" for %" diameter bolts unless otherwise noted. Bolts shall be placed with heads on the outside face of all members.

All truss frame bolts shall comply with ASTM F3/25, Grade A325 Type I, and shall be galvanized according to Subsection 807.06. Nuts and washers for ASTM F3/25, Grade A325 Type I bolts shall be furnished and galvanized in accordance with Subsection 807.06.

Lock nuts to be equipped with nylon locking inserts or other approved type locking system. Lock nuts to be installed according to manufacturer's recommendations.

Anchor bolts shall comply with AASHTO M 314, Grade 55 including Supplementary Requirement SI, and galvanized according to Subsection 807.07. Nuts and washers for anchor bolts shall be furnished and galvanized in accordance with Subsection 807.07.

Shoring may be required to protect existing shoulders during excavation. Any shoring required shall not be paid for directly, but shall be considered incidental to the item "Steel Overhead Sign Structure (_____)". The excavations for the footings shall be backfilled before the structure is attached to the foundations.



HANGER VARIABLES

lax.Length of Sign = "L"	"n" Hangers	Cantilever Length "Cn"	
15'-0"	2 Hangers	0.21 × 'L'	0
30'-0"	3 Hangers	0.145 × 'L'	0
45'-0"	4 Hangers	0.107 x 'l '	0

Hanger spacing and cantilever length shall be rounded to the nearest inch.

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DATE	DATE	DATE	DATE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
NEVISED	FILMED	REVISED	112020	6	ARK,			
							146	150
				JURN	υ.	012343	146	153
			\bigcirc	SEE TA	BLE	OVERHEAD SIGN S	STR.	61725



ISOMETRIC VIEW





	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
					6 100 M	ARK,		4 4 7	450
I				Ē	SEE TA	BLE	012343 CANTILEVER SIGN	¹⁴⁷ STR.	153 61726
						DEE			0.120
e Cor	ntractor st	nall make fi	eld measure	ements to c	determine	e the	following:		
o ver ne in	rify that d tended lane	imension "X while main	″ is suffic taining mini	ient to cer mum horizo	nter the ntal cleai	sign rance	over 5.		
o det ertico of	termine the al clearance the truss. aineer.	column hei with the c If the str	ght "H" re centerline c ucture heig	quired to i of the sign ght "H" ex [,]	maintain located ceeds 30	the n at th '-0" c	ninimum ne ontact		
erific o dro s with asure	cations and awings. The n a note st ements.	measureme column heig tating that	nts are re ght "H" sha the Contr	quired prio all be showr actor has r	r to sub n on the made the	omitta shop e requ	lof Jired		
— Fir af	nal camber ter erectio	nc							
(
		Lι	.evel line						
	TRUS			24M					
	1103		IN DIAGN						
		7'-6'	"	->					
		<u> </u>]	T				
			C60I—	3" cir. (Typ.)					
		2401	-	•					
		.402		•					
		SECTION		<u> </u>	¥.				
				SHEE	TIC	DF _	5		
* * NSE		STE	EL CA	DETAI	LS OI ER S	F 3 IGN	5' STRUCTL	JRE	
SIO NEI	NAL ER	ARK	ANSAS	ROUTE	HIGH	SE WAY	c. COMMISSI	ION	
9235 R.	ELLIS	DRAWN	BY: CM		ROCK, A	. RK. <u>5</u> гі	LENAME: 0012343_1	4.dgn	_
	-	DESIGNE	D BY: CM	DATE:	2/2015		SCALE: NO SCO	ne	_

STR. NO. SEE TABLE

DRAWING NO. 61726



RINT DATE: 4/24/2020



<u>DETAIL</u>G[□]



Note: Chord angles may be spliced in convenient lengths for galvanizing and sign placement.

<u>Detail</u> e

<u>Chord spl</u>ice



F 🕕

DETAIL

VIEW D-D



<u>DETAIL</u> H[□]

ARKAŃSAS LICENSED PROFESSIONAL * * * No. 9235 CHARLES R. Cloren R. Ellis Apr 30 2020 3:24 PM BRIDGE ENGINEER DocuSign

DATE	DATE	DATE	DATE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
NEVIGED	FILMED	NEVISED	1121120	6	ARK,			
				JOB N	0.	012343	149	153
			0	SEE T.	ABLE	CANTILEVER SIGN	STR.	61728
			-					

Note: Unless otherwise noted, thickness of all Gusset Plates shall be $\frac{3}{6}$ ".

Bolts shall be $\frac{3}{4}$ " \emptyset Dia. and open holes shall be $\frac{1}{16}$ ". Minimum center to center bolt spacing shall be $\frac{2}{2}$ ". Dimensions shown are typical.

2 1/6 " x 2" Slotted Hole in Gusset Plate and Chord Angle. Use plate washer on Gusset plate side.



SHEET 3 OF 5 DETAILS OF 35' STEEL CANTILEVER SIGN STRUCTURE ROUTE SEC. ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.
 DRAWN BY:
 CMW
 DATE:
 2/10/2015
 FILENAME:
 b012343_t4.dgn

 CMECKED BY:
 KWY
 DATE:
 4/8/2015
 SCALE:
 No
 Scale

 DESIGNED BY:
 CMW
 DATE:
 2/2015
 SCALE:
 No
 Scale
 STR. NO. SEE TABLE DRAWING NO. 61728



INT DATE: 4/24/2020

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 2014 Edition, with applicable Supplemental Specifications and Special Provisions. Section and Subsection refer to the Specifications unless otherwise noted in the plans.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, Sixth Edition, 2013 with current interim revisions.

Basic Wind Speed = 90 mph. Fatigue Category: I

This structure is approved for 235 square feet of sign area. Use of additional sign area must be approved by the Engineer. If the structure height ("H") exceeds 30'-0" contact the Fnaineer.

FOUNDATION MATERIALS AND STRENGTHS:

f'c = 3,500 psi Class S Concrete Reinforcing Steel (Gr. 60, AASHTO M 31 or M 322, Type A) fy = 60,000 psi

Structural steel sign support members shall comply with the following specifications:

Angles:	ASTM A709, Grade 36 (Fy = 36,000 psi)
Pipe:	ASIM A109, Grade 50 (Fy = 50,000 psi) ASTM A139, Gr. C, straight-seam welded (Fy = 42,000 psi)
	ASTM A500, Gr. B (Fy = 42,000 psi),
	ASTM A501, Gr. B (Fy = 50,000 psi),
Z-Shapes:	ASTM A709, Grade 36 (Fy = 36,000 psi)
Shim Plates:	ASTM AIOLISS Grade 36 Type 2 or Grade 40
Bolts:	ASTM F3125, Grade A325, Type I
Locknuts:	ASTM A563 Grade DH or AASHTO M 292 Grade 2H
Washers:	ASTM F436
Nuts:	ASTM A563,Grade DH or AASHTO M 292,Grade 2H

The Contractor shall make check measurements in the field and make any adjustments necessary to meet the required clearances and to fit the new structure to the existing conditions.

Drawings show general features of design only. Shop drawings shall be made in accordance with Subsection 807.04, submitted, and approval secured before fabrication is begun.

Requests for substitution of structural steel shapes shown with shapes of greater size must be submitted by the Contractor to the Engineer for approval. Steels of equal or greater strengths will be accepted only when shown on the approval shop drawings. Shapes and materials shown in the plans will be the basis of payment and no additional compensation will be made for any adjustments due to substitutions.

All steel shall be galvanized according to Subsection 807.19. Galvanized coating damaged during transport, handling or erection shall be field repaired in accordance with Subsection 807.88.

All main load carrying tension members greater than $\frac{1}{2}$ " in thickness shall conform to the requirements of the Longitudinal Charpy V-Notch test specified for Zone I minimum service temperature. This work and materials shall be paid for in accordance with Job Special Provision "Steel Sign Structures".

Field splices shall be located in order to avoid sign panel connections. There shall be a maximum of two field splices and they shall be spaced a minimum of 15 feet apart.

Truss field sections shall be shop assembled. Entire truss shall be fully assembled and lifted into place as one unit on to tower supports. All truss member connections shall be bolted connections.

All welding that is to be done during fabrication of structural steel, including temporary welds, shall be detailed on the shop drawings and submitted for approval. If additional welds are required, whether temporary or permanent, a formal request with detailed drawings shall be submitted to the Engineer for approval. All welding shall conform to Subsection 807.26 except welding of tubular sections shall conform to AWS DLI Structural Welding Code.

No circumferential butt welds will be allowed in any pipe sections.

All fillet welds of critical members shall be tested according to AWS DLI Structural Welding Code - Steel using the magnetic particle method. Critical welds shall include: column to base plate and truss bottom support to column.

Connections shall be bolted with high-strength bolts. Unless otherwise noted bolts shall be $\frac{3}{4}$ " diameter and open holes shall be $\frac{1}{6}$ ". Bolt spacing shall be $2\frac{1}{4}$ " for $\frac{3}{6}$ " diameter bolts unless otherwise noted. Bolts shall be placed with heads on the outside face of all members.

All truss frame bolts shall comply with ASTM F3125, Grade A325 Type I, and shall be galvanized according to Subsection 807.06. Nuts and washers for ASTM F3125, Grade A325 Type I bolts shall be furnished and advanized in accordance with Subsection 807.06.

Lock nuts to be equipped with nylon locking inserts or other approved type locking system. Lock nuts to be installed according to manufacturer's recommendations.

Anchor bolts shall comply with AASHTO M 314, Grade 55 including Supplementary Requirement SI, and galvanized according to Subsection 807.07. Nuts and washers for anchor bolts shall be furnished and galvanized in accordance with Subsection 807.07. Anchor bolts shall be pretensioned in accordance with Job Special Provision "Steel Sign Structures".

Shoring may be required to protect existing shoulders during excavation. Any shoring required shall not be paid for directly, but shall be considered incidental to the item "Steel Cantilever Sign Structure (____)". The excavations for the footings shall be backfilled before the structure is attached to the foundations.



Note: See sign details and plan sheets for number, size and dimensions of signs.

HANGER SPACING DETAILS FOR EXTRUDED PANEL SIGNS

In addition to material requirements, all pipe used for welded applications shall have a maximum carbon equivalency (CE) of 0.4 using the following equation:

CE = %C + %Mn/6 + %Cu/40 + %Ni/20 + %Cr/10 - %Mo/50 - %V/10



*In addition to material requirements all pipe used for welding applic have a maximum carbon equivalency (CE) of 0.4 using the following e CE = %C + %Mn/6 + %Cu/40 + %Ni/20 + %Cr/10 - %Mo/50 - %V/10



	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	SHEETS
					6	ARK,			
l					JOB N	0.	012343	151	153
				\bigcirc	SEE I	ABLE	CANTILEVER SIGN	STR.	61730
HANCER VARIABLES Max_Length of none contilever length shales Sign * "." of Hangers 0.21x 'L' 0.55 x Anger spacing and contilever length shales Honded to the nearest inch.							Dead Load V	/er ticc	
Arr 30 2020 3:24 PM	AS D NAL ER	STE ARK DRAWN CHECKEL DESIGNE	EL CA ANSAS By: CMI D By: KWI D By: CMI	SHEE DETAIL NTILEV ROUTE STATE LITTLE M DATE: DATE:	T 5 _S 0 ER S HIGH ROCK, A 2/10/201 4/8/2015	OF F 3 SIGN SE WAY	5 5' STRUCTL cc. COMMISSI	IRE ON 1.dgn	

STR. NO. SEE TABLE

DRAWING NO. 61730



DATE	DATE	DATE	DATE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
NEVIGED	FILMED	NEVISED	1121120	6	ARK,			
				JOB N	0.	012343	152	153
				BM-0	67-60	-46 - SIGN ST	R	61731

DRAWN BY: CMW DATE: 4/9/2020 FILENAME: 0012343_15.dgn

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 2014 Edition, with applicable Supplemental Specifications and Special Provisions. Section and Subsection refer to the Specifications unless otherwise noted in the plans.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, Sixth Edition, 2013 with current interim revisions.

Basic Wind Speed = 90 mph. Fatigue Category: I

Structural steel sign support members shall comply with the following specifications:

Angles: Plate: 2-Shapes: Shim Plates: Bolts: Washers: Nuts:	ASTM A709, Gr. 36 (Fy = 36,000 psi) ASTM A709, Gr. 50 (Fy = 50,000 psi) ASTM A709, Gr. 36 (Fy = 36,000 psi) ASTM A701, SS, Grade 36, Type 2, or Grade 40 ASTM F3/25, Grade A325, Type 1 ASTM F436
	ASTM A563, Grade DH or AASHTO M 292, Grade 2H

All steel shall be galvanized according to Subsection 807.19. Steel completely encased in concrete need not be galvanized. Galvanized coating damaged during transport, handling, or erection shall be field repaired in accordance with Subsection 807.88.

Drawings show general features of design only. Shop drawings shall be made in accordance with Subsection 807.04, submitted, and approval secured before fabrication is begun.

Requests for substitution of structural steel shapes shown with shapes of greater size must be submitted by the Contractor to the Engineer for approval. Steels of gual or greater strengths will be accepted only when shown on the approved shop drawings. Shapes and materials shown in the plans will be the basis of payment and no additional compensation will be made for any adjustments due to substitutions.

All welding that is to be done during fabrication of structural steel, including temporary welds, shall be detailed on the shop drawings and submitted for approval. If additional welds are required, whether temporary or permanent, a formal request with detailed drawings shall be submitted to the Engineer for approval. All welding shall conform to Subsection 807.26 except welding of tubular sections shall conform to AWS DLI Structural Welding Code.

Connections shall be bolted with high-strength bolts. Unless otherwise noted bolts shall be $\frac{1}{6}$ diameter and open holes shall be $\frac{1}{6}$ ". Bolt spacing shall be $2\frac{1}{4}$ " for $\frac{1}{6}$ " diameter bolts unless otherwise noted. Bolts shall be placed with heads on the outside face of all members.

All frame bolts shall comply with ASTM F3125, Grade A325 Type I, and shall be galvanized according to Subsection 807.06. Nuts and washers for ASTM F3125, Grade A325 Type I bolts shall be furnished and galvanized in accordance with Subsection 807.06.

Surfaces of plates in contact with concrete or beam web shall be coated with a thick layer of asphaltic paint and allowed to dry before erection. Preformed pads ½" thick conforming to Section 808 may be used in lieu of asphaltic paint coating for steel plates in contact with beam web or concrete parapet.

(2) Dimensions shown are based on existing Bridge plans. The Contractor shall make check measurements in the field and make any adjustments necessary to fit the structures to the existing conditions and avoid any splice plates, diaphragms, parapet joints or hand rail supports on the bridge. This may include shifting the sign structures with approval from the Engineer. Measurements and adjustments shall be made prior to submittal of shop drawings.

Damaged portions of the existing concrete rail that cannot be avoided shall be repaired as directed by the Engineer prior to the installation of the sign structure. Replacement concrete shall be Class S in accordance with Section 802, or other approved material. Reinforcing steel shall conform to Section 804, Payment for all materials, labor, tools, and equipment required for this work shall be considered incidental to the item "Steel Bridge Mounted Sign Structure (____)".

Portions of existing bridge affected by removal of existing sign structure or installation of the new sign sign structure shall be repaired at the direction and to the satisfaction of the Engineer Holes in concrete shall be filled with an approved epoxy grout. Open holes in steel shall be filled with properly sized and tensioned high strength bolts. Damaged structural steel coatings shall be repaired Payment for this work shall be considered incidental to the item "Steel Bridge Mounted Sign Structure (_____)".





accordance with the manufacturer's recommendations and shall have the following



DETAILS OF ALTERNATE Z SIGN SUPPORT









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-	10-1-92 8-15-91	ANNANSAS STATE NORWAT COMMISSION
UF ANC. POST	8-2-90	
NOTES & POST	780-3-4-88	GUAKUKAIL DETAILS
DETAIL	546-10-30-87	
	802-10-9-87 FILMED	STANDARD DRAWING GR-6





		ARKANSAS STATE HIGHWAY COMMISSION
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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







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.

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		ARKANSAS	STATE	HIGHWAY	COMMISSION			
ANGED A TO GR-II		GUARDRAIL DETAILS						
		STAN						
	FILMED		STANDARD DRAWING GR-1					





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				
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	10-1-92	STANDARD DRAWING GRT-I				
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#	3 TIE BARS	
TER	BAR	
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	4.39	1.65
	5.96	2.24
	7.53	2.83
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Т	_	
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BER	18" DIA	AMETER	24" DIA	AMETER	30" DIAMETER		36" DIAMETER	
ARS	CLASS S	REINF	CLASS S	REINF	CLASS S	REINF	CLASS S	REINF
'D	CONCRETE	STEEL	CONCRETE	STEEL	CONCRETE	STEEL	CONCRETE	STEEL
	CU. YD.	(GRADE 60)	CU. YD.	(GRADE 60)	CU. YD.	(GRADE 60)	CU. YD.	(GRADE 60)
	0.16	31						
	0.20	37						
	0.23	44						
	0.26	52	0.47	56				
	0.29	58	0.52	62				
	0.33	66	0.58	70	0.91	74		
			0.64	78	1.00	83		
			0.70	84	1.09	89	1.57	93
					1.18	98	1.70	103
					1.27	106	1.83	112
							1.96	118
							2.09	128

	ARKANSAS STATE HIGHWAY COMMISSION
	DETAIL OF BREAKAWAY SIGN SUPPORTS
	FUR GUIDE SIGNS
FILMED	STANDARD DRAWING SHS-3









9-12-13	ISSUED		
DATE		REVISION	







								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 PE 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	UNTED 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							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		







- THE CONTRACTOR SHALL FURNISH THE PRECAST CONCRETE BARRIER UNITS AND SHALL BE RESPONSIBLE FOR THE MANUFACTURE, SHIPMENT, STORAGE, PLACEMENT AND REMOVAL, AT THE COMPLETION OF THE PROJECT, THE PRECAST UNITS WILL REMAIN THE PROPERTY OF THE CONTRACTOR.
- MATERIALS SHALL MEET THE FOLLOWING MINIMUM REOUIREMENTS; CONCRETE: 2500 PSICOMPRESSIVE STRENGTH AT 28 DAYS. REINFORCING STEEL: AASHTO M 31 OR M 53, GRADE 60 STRUCTURAL STEEL: AASHTO-M270 GRADE 36 SHALL BE USED FOR THE CONNECTION PIN, CONNECTION LOOPS, AND STABILIZATION PINS. A ONE PIECE PIN WITH A 3" ROUNDED TOP MAY BE USED IN PLACE OF THE DETAILED CONNECTION PIN. DELINEATORS: DELINEATORS SHALL BE MOUNTED AT IO'SPACING ON TOP OF PRECAST BARRIER.
 IN APPLICATIONS WHERE BARRIER WALL IS WITHIN 6 FEET OF A TRAFFIC

IN APPLICATIONS WHERE BARRIER WALL IS WITHIN 6 FEET OF A TRAFFIC LANE, ADDITIONAL DELINEATORS SHALL BE PLACED ON THE BARRIER AT 10' SPACING APPROXIMATELY ONE (I) FOOT FROM THE TOP OF THE BARRIER, DELINEATORS SHALL BE ON THE ARDOT OUALIFIED PRODUCTS LIST FOR CONSTRUCTION CONCRETE BARRIER MARKERS. DELINEATOR COLOR SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR DELINEATORS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID PER LIN, F1, FOR "URINSHING AND INSTALLING PRECAST CONCRETE BARRIER". THE CONTRACTOR SHALL CERTIFY TO THE ENGINEER THAT THE MATERIAL AND THE DESIGN USED IN THE PRECAST BARRIER UNITS MEETS THE REQUIREMENTS AS SHOWN ON THIS STANDARD DRAWING.

- (3) OTHER PRECAST CONCRETE BARRIERS THAT HAVE BEEN CRASH TESTED AND APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION TO MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) WILL BE ACCEPTED IN LIEU OF THE BARRIER SHOWN. DRAIN SLOTS SHALL BE PROVIDED AS NEEDED OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH A CERTIFICATION OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) COMPLIANCE FOR ANY OTHER TYPES OF PRECAST BARRIER TO BE USED. THE CERTIFICATION SHALL STATE THAT THE PRECAST CONCRETE BARRIER MEETS THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH). SHAPES WILL NOT BE ALLOWED IN A CONTINUOUS LINE OF UNITS.
- OWEL HOLES IN PAVEMENT OR BRIDGE SLABS THAT ARE TO REMAIN IN PLACE SHALL BE FILLED. HOLES IN CONCRETE PAVEMENT AND BRIDGE SLABS SHALL BE FILLED WITH AN APPROVED NON-SHRINK EPOXY GROUT. HOLES IN ASPHALT PAVEMENT SHALL BE FILLED WITH AN APPROVED ASPHALT JOINT FILLER. PAYMENT FOR DRILLING AND FILLING HOLES TO BE INCLUDED IN THE PRICE FOR VARIOUS BARRIER ITEMS.
- (5) ATTACH UNITS TO ROADWAY SURFACE WITH STABILIZATION PINS AND TO DECK SLABS USING BOLTS WHEN REQUIRED.
- 6 A 4" WHITE PVC SLEEVE MAY BE USED TO FORM THE LIFTING HOLE AND IF USED THE SLEEVE IS TO BE LEFT IN PLACE.

N DETAIL			
N SLOTS		ARKANSAS STATE HIGHWAY COMMISSION	
		STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION - TEMPORARY PRECAST BARRIER	
N			
		STANDARD DRAWING TC-4	
	FILMED		



11/2" Dia. Hole for 1. Drift Pin-1' -6' 12'-0'' - ¾" Diam. Steel Bar(See Connection Loop Detail-Std. Drwg. TC-4) 2-*5 Bars 2-*5 Bars -=5 Bar 2-*5 Bar SPECIAL END UNIT No Scale shall be protected with a Manual For Assessing Safety Hardware (MASH) approved ARKANSAS STATE HIGHWAY COMMISSION STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION -TEMPORARY PRECAST BARRIER STANDARD DRAWING TC-5





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