NET

LONG. = W 94°13'33"

" ROADWAY 30514.75

30514.75

" BRIDGES " PROJECT 5.779

5.779

LONG. = W 94°19′41"

LONG. = W 94°21' 15"

### **INDEX OF SHEETS**

SHEET NO.

TITLE

		1	TITLE SHEET
		2	INDEX OF SHEETS AND STANDARD DRAWINGS
		3	GOVERNING SPECIFICATIONS AND GENERAL NOTES
4	-	7	TYPICAL SECTIONS OF IMPROVEMENT
8	-	9	SPECIAL DETAILS
10	-	14	MAINTENANCE OF TRAFFIC DETAILS
		15	PERMANENT PAVEMENT MARKING DETAILS
16	-	17	QUANTITIES
		18	SUMMARY OF QUANTITIES AND REVISIONS

# ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
CPTJ-6A TRAN	SVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)	11-07-19
PM-1 PAVE	MENT MARKING DETAILS	02-27-20
PM-2PERM	1ANENT PAVEMENT MARKING ON ACCESS CONTROLLED ROADWAYS	05-14-20
TC-1STAN	IDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-2STAN	IDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	05-20-21
TC-3STAN	IDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-12-21
TR-1A DETA	ILS OF STANDARD TURNOUT FOR ENTRANCE & EXIT RAMPS (NON-REINFORCED)	08-22-02

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090723	3	18
		GOVERN	NG SPE	CIFICATIONS AN	) GENER	AL NOTES

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No. 155560

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#### **GOVERNING SPECIFICATIONS**

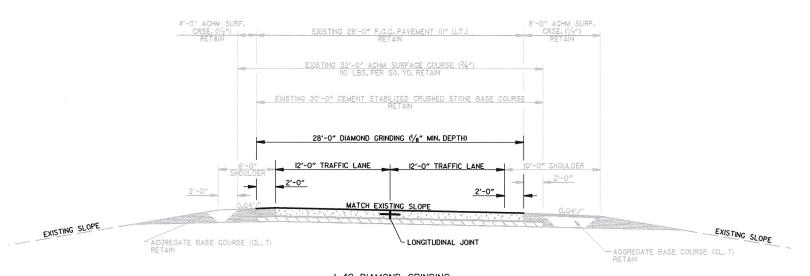
ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
FHWA-1273_	_ ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS _ REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
	_ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
	_ SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
-	_ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
	_ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
_	SUPPLEMENT - WAGE RATE DETERMINATION
	CONTRACTOR'S LICENSE
	_ DEPARTMENT NAME CHANGE
	_ ISSUANCE OF PROPOSALS
	PREQUALIFICATION OF BIDDERS
	CONTACT INFORMATION FOR MOTORIST DAMAGE CLAIMS MAINTENANCE DURING CONSTRUCTION
	INAIN LENANCE DURING CONSTRUCTION RESTRAINING CONDITIONS
	_ LIQUIDATED DAMAGES
	EIGOIDATED DAMAGES WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
	QUALITY CONTROL AND ACCEPTANCE
501-2	
510-1	GRINDING PORTLAND CEMENT CONCRETE PAVEMENT
	LANE CLOSURE NOTIFICATION
	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
	ASSESSMENT OF WORKING DAYS – MAINTENANCE OF TRAFFIC
JOB 090723_	BIDDING REQUIREMENTS AND CONDITIONS
JOB 090723_	BUYAMERICA - CONSTRUCTION MATERIALS
JOB 090723_	CARGO PREFERENCE ACT REQUIREMENTS
JOB 090723_	CLASS C FLYASH IN PORTLAND CEMENT CONCRETE PAVEMENT AND CLASS S(AE) CONCRETE
	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
	ENHANCED THERMOPLASTIC PAVEMENT MARKING
	FLEXIBLE BEGINNING OF WORK – CALENDAR DAY CONTRACT
	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
	LIQUIDATED DAMAGES PROCEDURE FOR BID LETTINGS
	MAINTENANCE OF TRAFFIC
	MANDATORY ELECTRONIC CONTRACT
	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
_	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
	PARTNERING REQUIREMENTS PRICE ADJUSTMENT FOR FUEL
	PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
	REACTIVE AGGREGATE TESTING
	SEQUENCE OF CONSTRUCTION
	SITE USE (A+C METHOD) – CALENDAR DAY CONTRACT
	THERMOPLASTIC PAVEMENT MARKING (YIELD LINE)
	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
	UTILITYADJUSTMENTS
	VALUE ENGINEERING

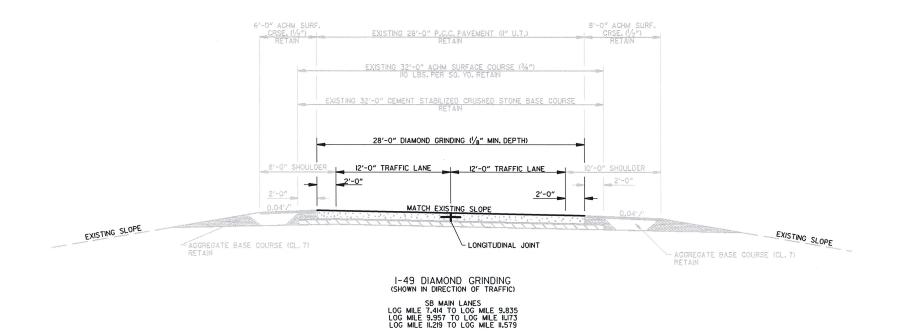
#### **GENERAL NOTES**

- 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.
- 2. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 3. 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.
- 4. STRINGLINE WILL BE USED TO MAINTAIN A UNIFORM HORIZONTAL ALIGNMENT.
- 5. THE CONTRACTOR SHALL FURNISH AND MAINTAIN STD. W8-1 "BUMP" SIGNS (30" X 30") WITH BLACK LEGEND ON ORANGE BACKGROUND AT ALL TRANSVERSE JOINTS EXPOSED TO TRAFFIC.

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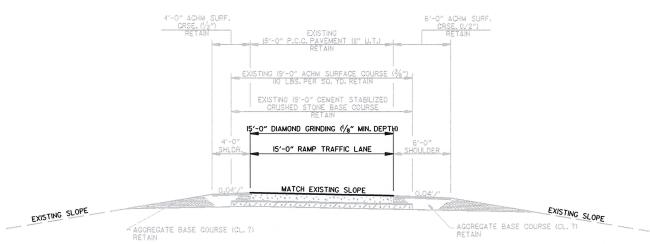


I-49 DIAMOND GRINDING (SHOWN IN DIRECTION OF TRAFFIC) NB MAIN LANES LOG MILE 96.910 TO LOG MILE 97.790

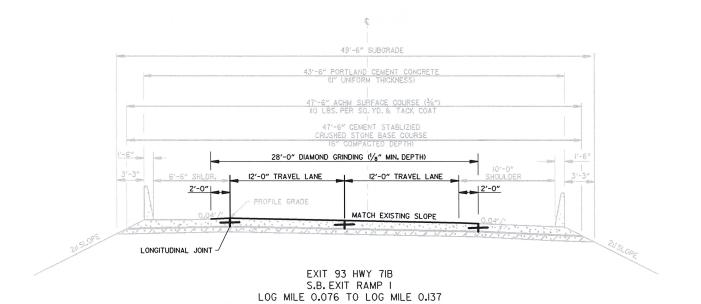


TYPICAL SECTIONS OF IMPROVEMENT



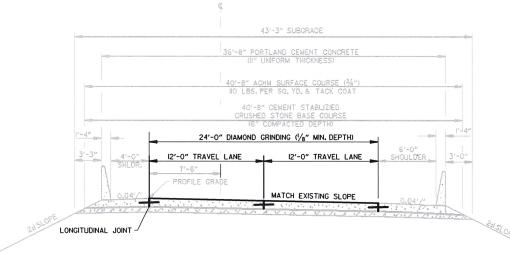


I-49 RAMPS DIAMOND GRINDING
(SHOWN IN DIRECTION OF TRAFFIC)
EXIT 97 HWY. 72
S.B. EXIT RAMP
LOG MILE 0.047 TO LOG MILE 0.352
S.B. ENTRANCE RAMP
LOG MILE 0.003 TO LOG MILE 0.340
N.B. EXIT RAMP
LOG MILE 0.042 TO LOG MILE 0.343
N.B. ENTRANCE RAMP
LOG MILE 0.002 TO LOG MILE 0.076



DATE REVISED	DATE REVISED	6 ARK. 090723	JOB NO.	SHEET NO.	SHEETS	
		6	ARK.	090723	7	18
		TY	PICAL S	SECTIONS OF	IMPROVE	MENT



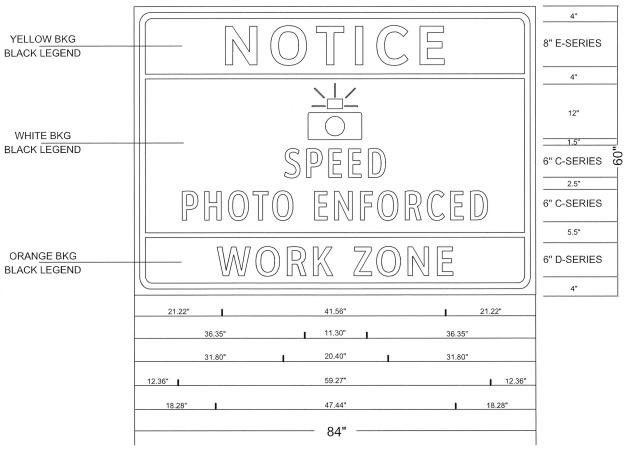


NB ENTRANCE RAMP 4 LOG MILE 0.236 TO LOG MILE 0.298

INDECENDED IN DECENT OF THE PROPERTY OF THE PR

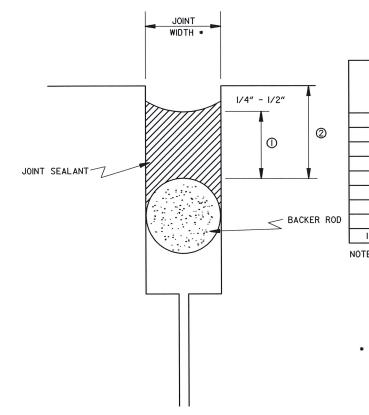
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TYPICAL SECTIONS OF IMPROVEMENT









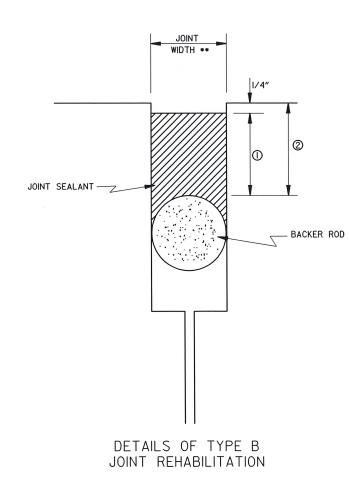
# JOINT CONFIGURATION FOR TYPE 3 & 4 JOINT SEALANT

JOINT WIDTH		BACKER ROD DIAMETER	
	IN	CHES	
1/4	1/4	3/8	1/2
3/8	1/4	1/2	1/2
1/2	1/4	5/8	1/2
5/8	5/16	3/4	9/16
3/4	3/8	7/8	7/8
4/8	7/16	1	11/16
1	1/2	11/4	3/4
I TO 11/2	1/2	11/4+	3/4

OTE: JOINTS GREATER THAN II/2" IN WIDTH SHALL BE SEALED WITH TYPE 5 JOINT SEALANT.

• CONTRACTION JOINTS SHALL BE SAWED TO MIN. WIDTH OF 3/8". WARPING & LONGITUDINAL JOINTS SHALL BE SAWED TO MIN. WIDTH OF EXISTING WIDTH +1/8" (1/16" ON EACH SIDE).

DETAILS OF TYPE A OR TYPE B
JOINT REHABILITATION



# JOINT CONFIGURATION FOR TYPE 5 JOINT SEALANT

JOINT WIDTH	APPROX. WIDTH TO DEPTH RATIO	SEALANT THICKNESS	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH ②
INCHES	MATIO		INCHES	
1/4		1/2	3/8	3/4
3/8	l <b>:</b> 2	3/4	1/2	1
1/2		1	5/8	11/4
5/8		11/4	3/4	11/2
3/4	11.75	13/8	7/8	15/8
7/8	l:l.75	11/2	1	13/4
1	ыс	15/8	11/4	17/8
I TO 3	l:l.6	15/8+	11/4+	17/8+

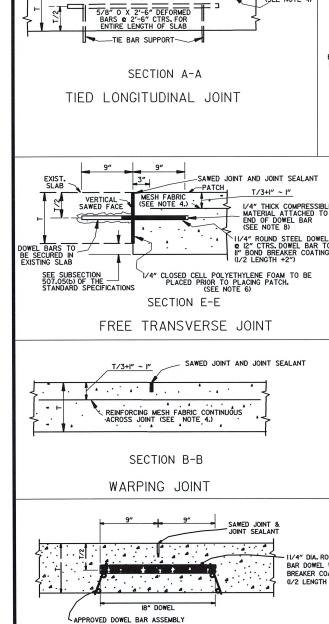
NOTE:

FOR JOINTS WIDER THAN 11/2", THE CONTRACTOR SHALL HAVE THE OPTION OF COMPLETELY FILLING THE JOINT IN LIEU OF USING A BACKER ROD.

•• WARPING & LONGITUDINAL JOINTS SHALL BE SAWED TO MIN. WIDTH OF EXISTING WIDTH +1/8" (1/16" ON EACH SIDE).

REFER TO SECTION 509 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SPECIAL DETAILS



SECTION C-C

12'-0"

ONE-HALF 24' PAVEMENT

12 DOWELS
PLAN - CONTRACTION JOINT

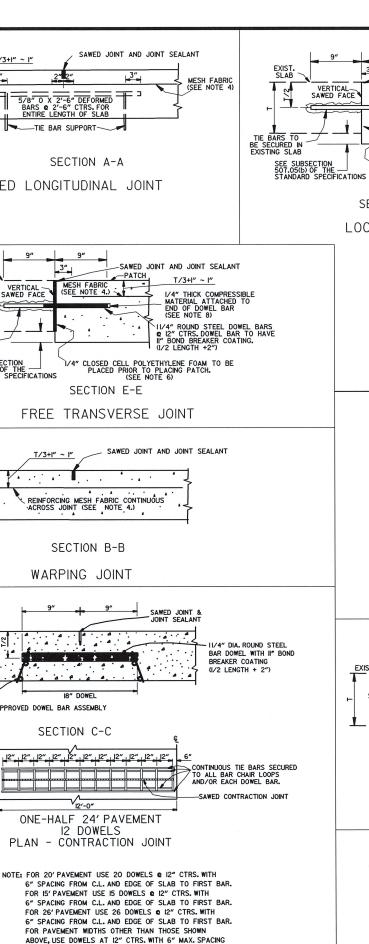
DOWEL BAR SPACING

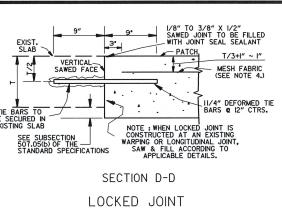
FROM C.L. TO FIRST BAR. DISTANCE FROM EDGE OF SLAB

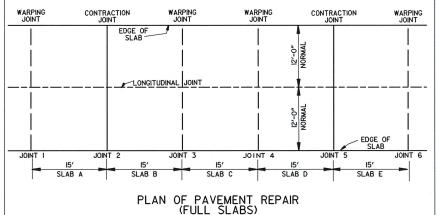
CONTRACTION JOINT DETAILS

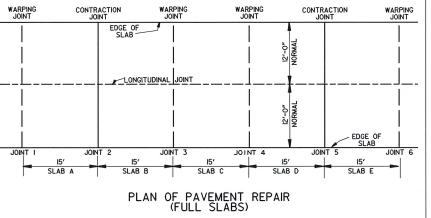
TO FIRST BAR SHALL BE ADJUSTED TO MAINTAIN 12"

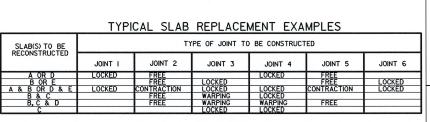
T/3+I" ~ I"

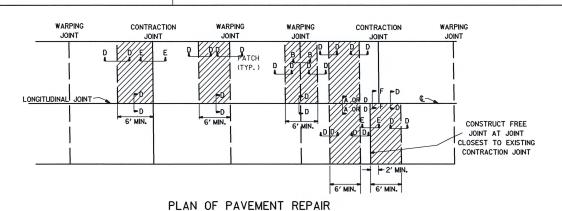




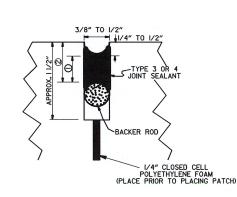








(PARTIAL SLABS)



DATE REVISED

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SPECIAL DETAILS

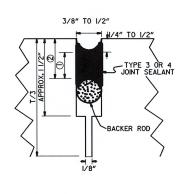
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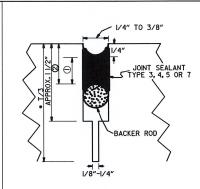
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DETAIL OF SAWED FREE TRANSVERSE & FREE LONGITUDINAL JOINT

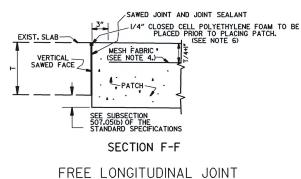


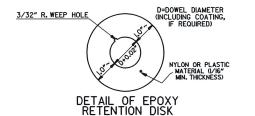
DETAIL OF SAWED CONTRACTION JOINT



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

DETAIL OF SAWED TIED LONGITUDINAL JOINT AND WARPING JOINT





NOTE: EPOXY RETENTION DISK SHALL BE SLIPPED TIGHTLY OVER TIE BARS AND FIRMLY AGAINST THE SLAB FACE AFTER INSERTING TIE BAR AND EPOXY INTO HOLE

## JOINT CONFIGURATION FOR TYPE 3 OR 4 JOINT SEALANT

	JOINT WIDTH	SEALANT THICKNESS ①	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH 2			
ı		INCH	HES				
ı	1/4	1/4	3/8	1/2			
١	3/8	1/4	1/2	1/2			
	1/2	1/4	5/8	1/2			

### JOINT CONFIGURATION FOR TYPE 5 OR 7 JOINT SEALANT

	JOINT WIDTH	SEALANT THICKNESS	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH ②							
Γ	INCHES										
Γ	1/4	1/2	3/8	3/4							
Г	3/8	3/4	1/2	1							

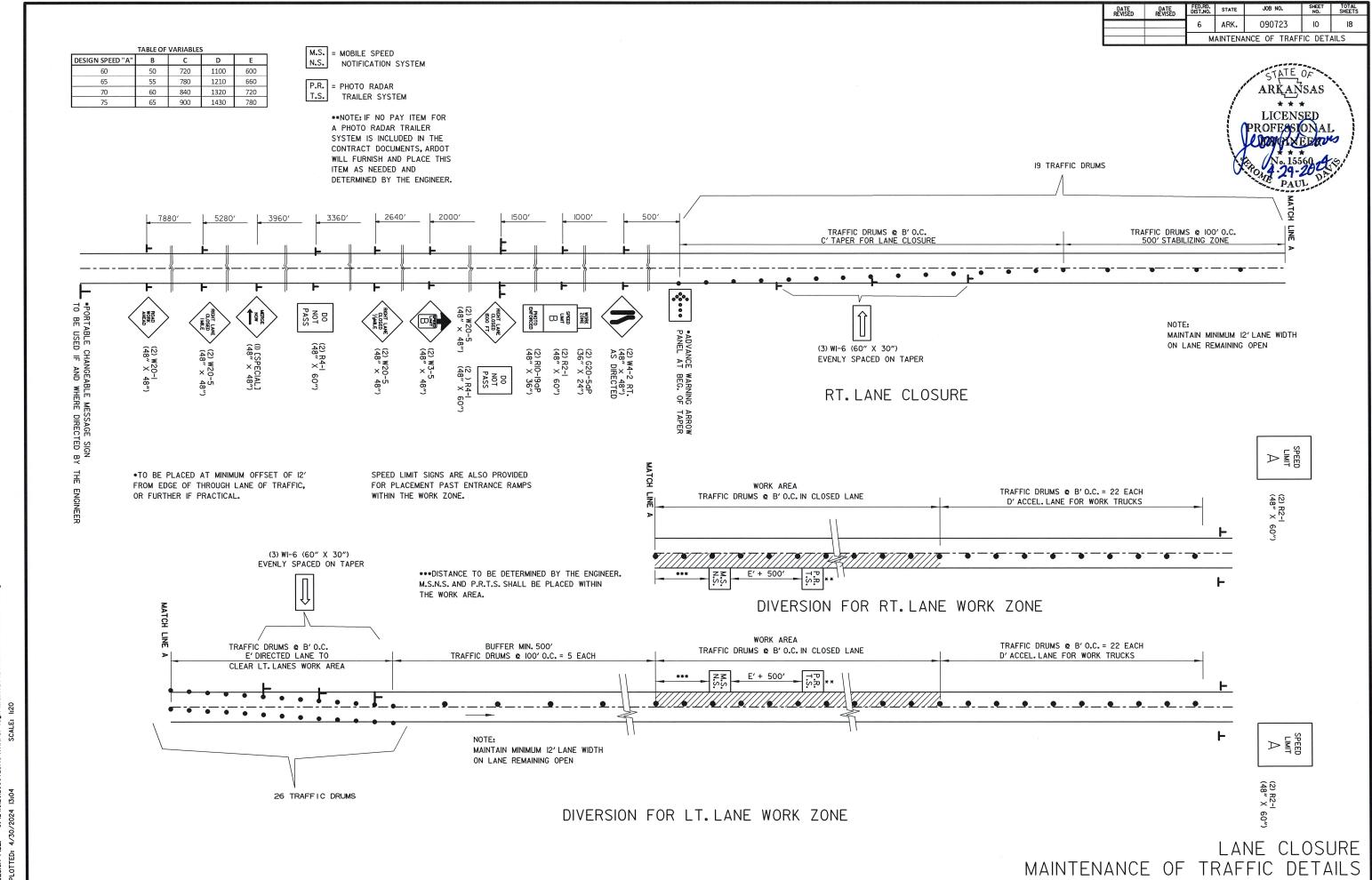
## NOTES FOR PAVEMENT REPAIR:

- EXACT SIZE AND LOCATION OF AREA TO BE REPAIRED SHALL BE DETERMINED BY THE ENGINEER. ALL PATCHES SHALL EXTEND ACROSS THE FULL WIDTH OF THE SLAB AS SHOWN IN THESE DETAILS.
- THE FINAL SURFACE FINISH FOR PATCHES SHALL MATCH THAT OF THE EXISTING PAVEMENT.
- WHEN AREA TO BE REPAIRED INCLUDES AN EXISTING JOINT, THE JOINT SHALL BE RECONSTRUCTED TO THE CONFIGURATION SHOWN IN THESE DETAILS.
- ALL REPAIRED AREAS SHALL BE REINFORCED WITH MESH FABRIC AS SHOWN. DEPTH OF MESH PLACEMENT SHALL HAVE A TOLERANCE OF +I INCH. MESH FABRIC SHALL BE 12 X 12 - W4 X W4 WELDED WIRE FENCE (MINIMUM WIRE SIZE). LAPS SHALL BE MINIMUM 6" IN EACH DIRECTION. MINIMUM COVER AT EDGES SHALL BE 2".
- FORMS FOR PAVEMENT REPAIR SHALL BE METAL UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- CLOSED CELL POLYETHYLENE FOAM SHALL BE SECURED TO SAWED FACE OF EXISTING P.C.C. PAVEMENT WITH ADHESIVE OR ADHESIVE TAPE AS APPROVED BY THE ENGINEER AND TRIMMED FLUSH WITH TOP OF EXISTING SLAB TO PREVENT DISPLACEMENT WHEN THE PATCH IS BEING PLACED.
- WHEN THE PATCH IS PLACED OVER GRANULAR BASE, REMOVE ANY LOOSE BASE MATERIAL, COMPACT REMAINING BASE AS NECESSARY AND PLACE PATCH, WHEN PATCH IS PLACED OVER TREATED BASE, REMOVE ANY LOOSE BASE MATERIAL AND PLACE PATCH.
- 1/4" THICK\_ COMPRESSIBLE MATERIAL SHALL BE ATTACHED TO THE ENDS OF DOWEL BARS AT ALL FREE TRANSVERSE JOINTS (SEE SECTION E-E). THE MATERIAL SHALL BE THE SAME DIAMETER AS THE DOWEL BAR. A PLASTIC CAP OF OTHER TYPE OF DEVICE MAY BE USED WITH THE APPROVAL OF THE ENGINEER.

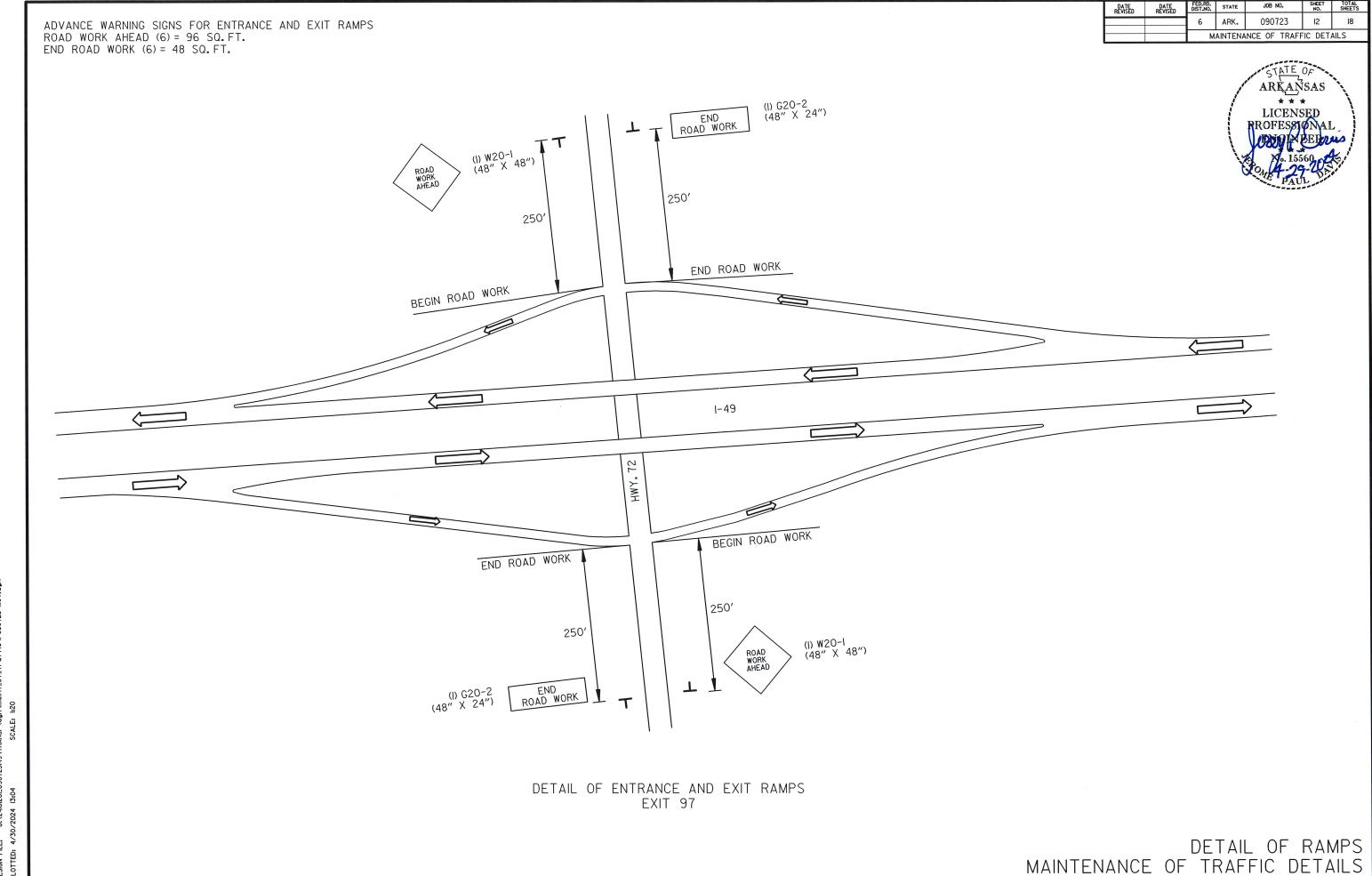
  DOWEL BARS SHALL BE PLACED IN ACCORDANCE WITH THE DIMENSIONS SHOWN.
- A TOLERANCE OF PLUS OR MINUS ONE INCH WILL BE ALLOWED FOR VERTICAL AND LATERAL PLACEMENT AND A TOLERANCE OF PLUS OR MINUS 1/4" WILL BE ALLOWED FOR THE TILT AND SKEW.

DETAILS OF PORTLAND CEMENT CONCRETE PAVEMENT PATCHING (MAIN LANES)

SPECIAL DETAILS



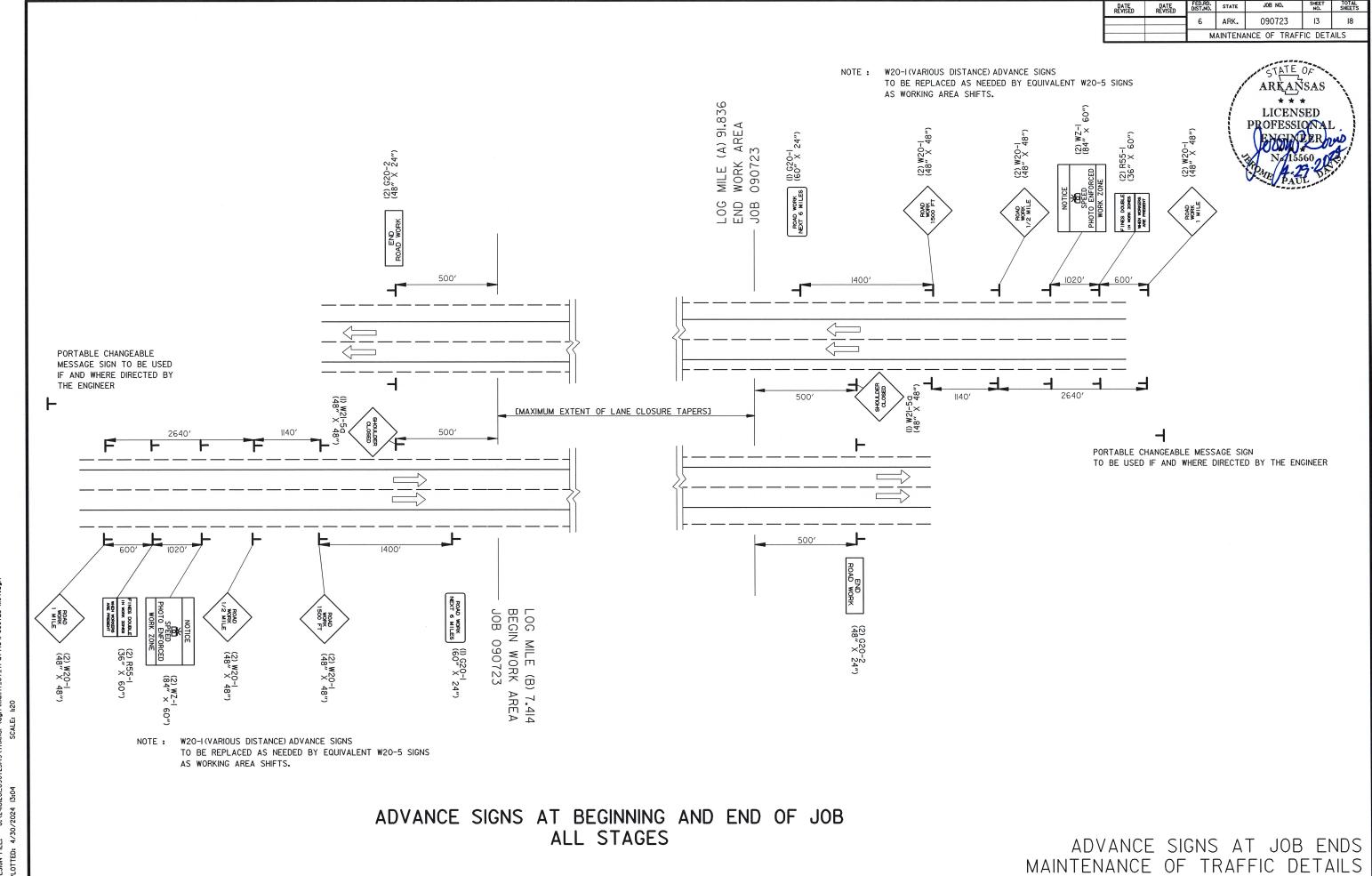
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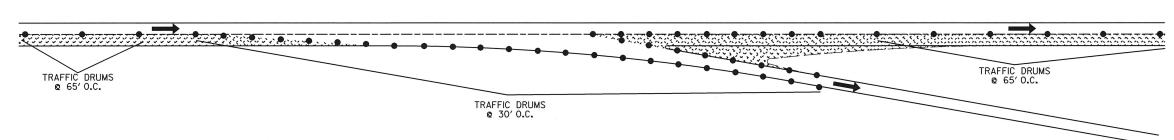
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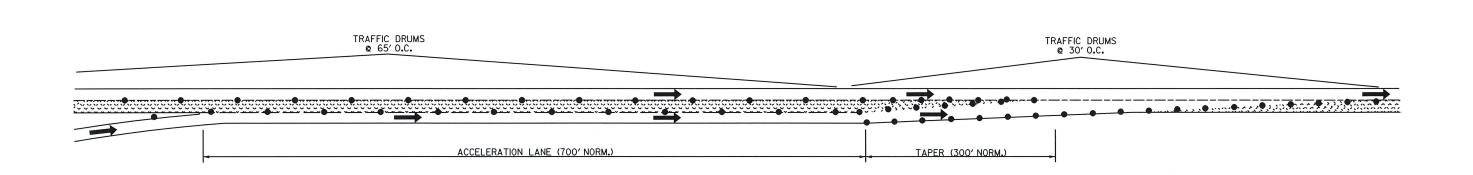
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EXIT RAMP - TYPICAL TRAFFIC DRUM LAYOUT OUTSIDE LANE CLOSURE



ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT OUTSIDE LANE CLOSURE

RAMP DETAILS IAINTENANCE OF TRAFFIC DETAILS

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# CONCRETE ROADWAY

SKIP LINE - ENHANCED THERMOPLASTIC PAVEMENT MARKING EDGE LINES - ENHANCED THERMOPLASTIC PAVEMENT MARKING REFER TO SPECIAL PROVISION - ENHANCED THERMOPLASTIC PAVEMENT MARKING

6' SHOULDER (4' PAVED)

6" YELLOW EDGE LINE

(MEDIAN SIDE)

40' (TYP.)

10' 30' (TYP.)

80' SPACING FOR STD. (TYPE II)

RAISED PAVEMENT MARKERS (TYP. II)(WHITE RED)

PAVED SHOULDER

CONCRETE LANES & SHOULDERS

PERMANENT PAVEMENT MARKING DETAILS

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

ADVANCE WARNING SIGNS AND DEVICES

		ADVANCE	WARNING	SIGNS AND	DEVICES					
SIGN NUMBER	DESCRIPTION	SIGN SIZE	STAGE 1	MAXIMUM NUMBER REQUIRED	TOTAL SIGN	IS REQUIRED	TRAFFIC DRUMS	* ADVANCE WARNING ARROW PANEL	* PORTABLE CHANGEABLE MESSAGE SIGN	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
			EACH		NO.	SQ. FT.	EACH	DAY	WEEK	EACH
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"	6	6	- 6	96.0				
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	4	4	4	64.0				
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	4	4	4	64.0				
W20-5	RIGHT LANE CLOSED 1500 FT.	48"x48"	4	4	4	64.0				
W21-5a	SHOULDER CLOSED	48"x48"	2	2	2	32.0				
W4-2 RT.	LANE CLOSED	48"x48"	4	4	4	64.0				
G20-2	END ROAD WORK	48"x24"	7	7	7	56.0				
G20-1	ROAD WORK NEXT 6 MILES	60"x24"	2	2	2	20.0				
G20-5aP	WORK ZONE	36"x24"	4	4	4	24.0				
W1-6	LARGE ARROW	60"x30"	12	12	12	150.0				
W3-5	REDUCED SPEED LIMIT AHEAD	48"x48"	4	4	4	64.0				
R2-1	SPEED LIMIT 75	48"x48"	4	4	4	64.0				
R2-1	SPEED LIMIT 65	48"x48"	4	4	4	64.0				
R4-1	DO NOT PASS	48"x60"	8	8	8	160.0				
R55-1	FINES DOUBLE IN WORK ZONES WHEN WORKERS ARE PRESENT	36"x60"	4	4	4	60.0				
R10-19aP	PHOTO ENFORCED	48"x36"	4	4	4	48.0				
WZ-1	NOTICE SPEED PHOTO ENFORCED WORK ZONE	84"x60"	4	4	4	140.0				
SPECIAL	MERGE NOW (LT.)	48"x48"	2	2	2	32.0				
	TRAFFIC DRUMS		388	388			388			
	ADVANCE WARNING ARROW PANEL		2	2				56		
	PORTABLE CHANGEABLE MESSAGE SIGN		2	2					8	
	MOBILE SPEED NOTIFICATION SYSTEM		2	2						2
TOTALS:						1458.0	388	56	8	2
NOTE: THE	IS A HIGH TRAFFIC VOLLIME BOAD AS DEFINED IN SECTION 604 03 STA	AND ADD CDECL	FICATIONS FO	DILICIDAMANCO	MICTRICAL			•		

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

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

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

CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	STAGE 1	CONSTRUCTION PAVEMENT	RAISED PAVEMENT MARKERS		CED THERMO			STIC PAVEMENT RKING
		MARKINGS	TYPE II	(	5"	12"	YIELD	ARROWS
			(WHITE/RED)	WHITE	YELLOW	WHITE	LINE	AKKUWS
	LIN. FT.	LIN. FT.	EACH		LIN. FT.		LIN. FT.	EACH
CONSTRUCTION PAVEMENT MARKINGS	102560	102560						
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)	768		768					
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	62803			62803				
ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	51789				51789			
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	3325					3325		
THERMOPLASTIC PAVEMENT MARKING (ARROWS)	6							6
THERMOPLASTIC PAVEMENT MARKING (YIELD LINE)	38						38	
TOTALS:		102560	768	62803	51789	3325	38	6

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

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS			
		6	ARK.	090723	16	18			
			QUANTITIES						

GRINDING PORTLAND CEMENT CONCRETE PAVEMENT

					GRINDING
				AVG.	PORTLAND
LOG MILE	LOG MILE	LOCATION	LENGTH	WIDTH	CEMENT
20022	20022	200/1110/1			CONCRETE
			FEET	FEET	SQ. YD.
91.836	91.912	NORTHBOUND 1-49	401	28	1247.56
91.963	92.142	NORTHBOUND 1-49	945	52	5460.00
92.142	92.199	NORTHBOUND 1-49	301	44	1471.56
92,199	92.363	NORTHBOUND 1-49	866	40	3848.89
92.363	92.417	NORTHBOUND 1-49	285	34	1076.67
92.417	93.589	NORTHBOUND 1-49	6188	28	19251.56
96.910	96.964	NORTHBOUND 1-49	285	28	886.67
96.964	97.119	NORTHBOUND 1-49	818	39	3544.67
97.119	97.651	NORTHBOUND 1-49	2809	28	8739.11
97.651	97.790	NORTHBOUND 1-49	734	43	3506.89
7.414	7.557	SOUTHBOUND 1-49	755	42	3523.33
7.557	8.170	SOUTHBOUND 1-49	3237	28	10070.67
8.170	8.365	SOUTHBOUND 1-49	1030	35	4005.56
8.365	9.835	SOUTHBOUND 1-49	7762	28	24148.44
9.957	11.173	SOUTHBOUND 1-49	6420	28	19973.33
11.219	11.579	SOUTHBOUND 1-49	1901	28	5914.22
11.579	13.197	SOUTHBOUND 1-49	8543	28	26578.22
13.197	13.214	SOUTHBOUND 1-49	90	31	310.00
13.254	13.330	SOUTHBOUND 149	401	28	1247.56
13.420	13.526	SOUTHBOUND 149	560	28	1742.22
0.047	0.301	RAMP 1 AT HWY 72	1341	15	2235.00
0.301	0.328	RAMP 1 AT HWY 72	143	48	762.67
0.003	0.031	RAMP 2 AT HWY 72	148	54	888.00
0.031	0.326	RAMP 2 AT HWY 72	1558	15	2596.67
0.042	0.322	RAMP 3 AT HWY. 72	1478	15	2463.33
0.322	0.348	RAMP 3 AT HWY. 72	137	50	761.11
0.003	0.032	RAMP 4 AT HWY. 72	153	49	833.00
0.032	0.253	RAMP 4 AT HWY. 72	1167	15	1945.00
0.076	0.158	RAMP 1 AT HWY. 71	433	28	1347.11
0.236	0.310	RAMP 4 AT HWY. 71	391	24	1042.67
TOTALS:		IO DEDTILOS A OLOUALI, DE LIGED AT	51280		161421.69

NOTE: A MINIMUM GRINDING DEPTH OF 1/8" SHALL BE USED AT ALL LOCATIONS.

QUANTITY ESTIMATED.

SEE SECTION 104.03 OF THE STD. SPECS.

### PORTLAND CEMENT CONCRETE PATCHING OF EXISTING ROADWAY

LOCATION	REMOVAL & DISPOSAL OF CONCRETE PAVEMENT FOR PATCHING	11" U.T.	
	SQ. YD.		
ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.	100	100	
TOTALS:	100	100	

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

JOINT REHABILITATION OF CONCRETE PAVEMENT

LOG MILE	LOG MILE	LOCATIONS	NUMBER OF	AVG. WIDTH	AVG. LENGTH	TYPE A	TYPE B
LOG WILE	LOG WILE	LOCATIONS	JOINTS	PER JOINT	PER JOINT	LIN. FT.	LIN. FT.
91.836	91.912	NORTHBOUND 149	27	28	30	756	810
91.963	92.184	NORTHBOUND 1-49	78	44	60	3432	4680
92.184	92.411	NORTHBOUND 149	80	34	45	2720	3600
92.411	93.589	NORTHBOUND 1-49	415	28	30	11620	12450
96.910	96.985	NORTHBOUND 1-49	26	28	15	728	390
96.985	97.075	NORTHBOUND I-49	32	33	45	1056	1440
97.075	97.119	NORTHBOUND 1-49	15	53	30	795	450
97.119	97.670	NORTHBOUND 1-49	194	28	15	5432	2910
97.670	97.790	NORTHBOUND 1-49	42	36	30	1512	1260
7.414	7.508	SOUTHBOUND 1-49	33	36	30	1188	990
7.508	7.557	SOUTHBOUND 149	17	28	45	476	765
7.557	8.170	SOUTHBOUND 149	216	28	15	6048	3240
8.170	8.365	SOUTHBOUND 149	69	38	30	2622	2070
8.365	9.835	SOUTHBOUND 149	517	28	15	14476	7755
9.957	11.173	SOUTHBOUND 149	428	28	15	11984	6420
11.219	11.579	SOUTHBOUND 149	127	28	15	3556	1905
11.579	13.214	SOUTHBOUND 149	576	28	15	16128	8640
13.254	13.271	SOUTHBOUND 1-49	6	64	60	384	360
13.271	13.337	SOUTHBOUND 149	23	28	45	644	1035
13.430	13.526	SOUTHBOUND 1-49	34	28	45	952	1530
0.047	0.322	RAMP 1 AT HWY 72	97	15		1455	
0.322	0.352	RAMP 1 AT HWY 72	11	35		385	232
0.003	0.028	RAMP 2 AT HWY 72	9	55		495	346
0.028	0.340	RAMP 2 AT HWY 72	110	15		1650	
0.042	0.311	RAMP 3 AT HWY. 72	95	15		1425	
0.331	0.343	RAMP 3 AT HWY. 72	4	91		364	232
0.002	0.029	RAMP 4 AT HWY. 72	10	53		530	380
0.038	0.057	RAMP 4 AT HWY. 72	7	15		105	
0.076	0.137	RAMP 1 AT HWY. 71	21	26	45	546	945
0.236	0.298	RAMP 4 AT HWY. 71	22	24	45	528	990
TOTALS:			3341			93992	65825

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

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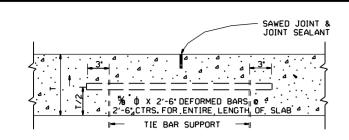
No. 15560

# SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
SS & 507	REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT FOR PATCHING	100	SQ. YD.
SP, SS, & 507	PORTLAND CEMENT CONCRETE PAVEMENT PATCHING (11" UNIFORM THICKNESS)	100	SQ. YD.
509	JOINT REHABILITATION (TYPE A)	93992	LIN. FT.
509	JOINT REHABILITATION (TYPE B)	65825	LIN. FT.
SP, SS, & 510	GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	161422	SQ. YD.
601	MOBILIZATION	1.00	LUMP SUM
	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	1458	SQ. FT.
SS & 604	TRAFFIC DRUMS	388	EACH
604	CONSTRUCTION PAVEMENT MARKINGS	102560	LIN. FT.
SS & 604	ADVANCE WARNING ARROW PANEL	56	DAY
SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	8	WEEK
SP	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)	2	EACH
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
719	THERMOPLASTIC PAVEMENT MARKING (ARROWS)	6	EACH
SP & 719	THERMOPLASTIC PAVEMENT MARKING (YIELD LINE)	38	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	62803	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	3325	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	51789	LIN. FT.
721	RAISED PAVEMENT MARKERS (TYPE II)	768	EACH

# REVISIONS

DATE	REVISION	SHEET NUMBER
· ·		



#### LONGITUDINAL JOINT

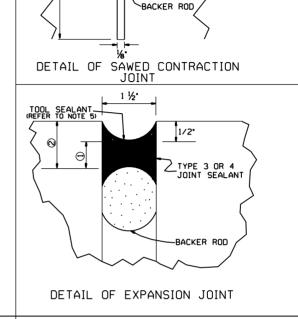
NOTE: THE TIE BAR SUPPORT SHOWN ABOVE MAY BE ELIMINATED IF OTHER APPROVED METHODS FOR PLACING AND SUPPORTING THE TIE BARS TIE BARS SHALL BE 15" FROM TRANSVERSE

# SAWED JOINT & JOINT SEALANT 18" DOWEL NOTE: EACH DOWEL TO BE COATED ACCORDING TO APPROVED DOWEL BAR ASSEMBLY SECTION 502 OF THE STANDARD SPECIFICATIONS. ROUND STEEL BAR DOWEL 11/4" DIA. WHEN T<10" 12 12 12 12 12 12 12 12 CONTINUOUS TIE BARS SECURED TO ALL BAR CHAIR LOOPS AND/OR EACH DOWEL BAR. SAWED CONTRACTION JOINT

#### ONE-HALF 24' PAVEMENT 12 DOWELS PLAN

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

#### CONTRACTION JOINT DETAILS



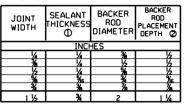
%- to ½•

TYPE 3 OR 4

JOINT SEALANT

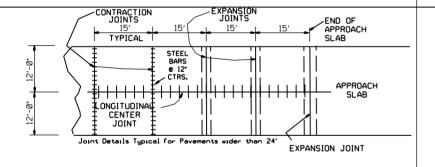
TOOL SEALANT \_ (REFER TO NOTE 5)

JOINT CONFIGURATION FOR TYPE 3 OR 4 JOINT SEALANT

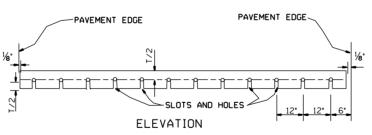


JOINT CONFIGURATION FOR TYPE 5 JOINT SEALANT

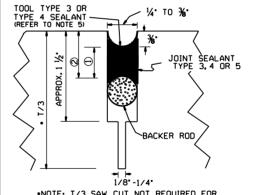
JOINT WIDTH	SEALANT THICKNESS ①	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH ②
	INC	HES	
1/4	1/2	₩.	- 3/4
- <del>X</del>	3/4	1/2	1



PLAN SHOWING EXPANSION JOINTS AT BRIDGE APPROACH SLABS



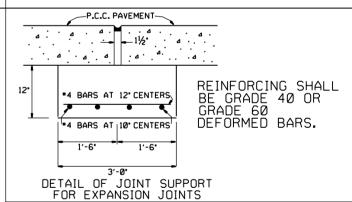
NOTE: ALL DOWEL BARS SHALL CONFORM TO THE DETAILS FOR CONTRACTION JOINTS.



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

DETAIL OF SAWED LONGITUDINAL JOINT AND LONGITUDINAL CONSTRUCTION JOINT

1-07-19	REV. EXP. JOINT REF ON APP. SLAB		3.
5-25-06	ADDED GENERAL NOTE 7		
0-9-03	REMOVED TIE BAR COATING & REVISED GENERAL NOTES		
1-16-01	ADDED TOOL SEALANT AND NOTE 5; REVISED NOTE 3		4.
-26-96	REVISED CONTRACTION JOINT NOTE		5
1- 3-94	ADDED NOTE RE: REINF. BARS		6
4- 1-93	REVISED DOWEL BARS & GEN. NOTES	4- 1-93	7
0- 1-92	REVISED DOWEL SPACING	10- 1-92	
3- 15-91	ADDED SPAC FOR CONTR JTS & DEL KEYWAY		
5-24-90	REVISED TIE BAR, DOWEL & JOINT SIZE		
1-25-90	ADDED EXPANSION JOINT	01-25-90	
-30-89	CHANGED T/4+1 TO T/3+1	11-30-89	
3-23-89	ALTERED SAWED JOINT & ADDED NOTE	512-03-23-89	
7-15-88	REVISED AND REDRAWN	632-07-15-88	
DATE	REVISION	DATE FILMED	



GENERAL NOTES . 'T' DENOTES THICKNESS OF SLAB.

. DOWEL BARS SHALL BE PLACED IN ACCORDANCE WITH THE DIMENSIONS SHOWN, A TOLERANCE OF PLUS OR MINUS ONE INCH WILL BE ALLOWED FOR THE VERTICAL AND LATERAL PLACEMENT AND A TOLERANCE OF PLUS OR MINUS 'A' WILL BE ALLOWED FOR THE TILT AND SKEW.

DOWEL BARS SHALL BE FIELD COATED FOR A MINIMUM DISTANCE OF

2' CREATER THAN HALF THE LENGTH OF THE BAR WITH AN APPROVED

GREASE AS A BOND BREAKER JUST PRIOR TO PLACEMENT OF CONCRETE.

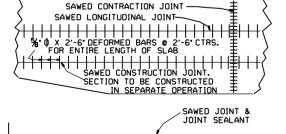
3. THE EXPANSION JOINT SUPPORT MAY BE CONSTRUCTED WITH CLASS 'A'.'S' OR PAYING CONCRETE. PAYMENT FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE CLASS OF CONCRETE SPECIFIED IN THE PLANS. PAYMENT FOR ALL OTHER WORK AND MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE JOINT SUPPORT SHALL BE INCLUDED IN THE PRICE BID FOR THE ABOVE ITEMS. CONTRACTION JOINTS SHALL BE CONSTRUCTED ON 15' CENTERS.

- 4. CONTRACTION JOINTS SHALL BE CONSTRUCTED ON 15 CENTERS.
  5. TOOLING NOT REQUIRED FOR SELF-LEVELING SILICONE.
  6. UNLESS OTHERWISE SPECIFIED IN THE PLANS, CONCRETE SHOULDERS SHALL BE CONSTRUCTED ACCORDING TO THE DETAILS SHOWN HEREON, CONTRACTION JOINTS SHALL MATCH CONTRACTION JOINTS IN THE LANES.
  7. TIE WIRES IN DOWEL BAR ASSEMBLIES SHALL NOT BE CUT PRIOR TO PLACEMENT OF PAYING CONCRETE.

ARKANSAS STATE HIGHWAY COMMISSION

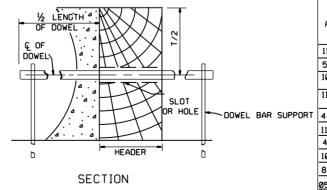
TRANSVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)

STANDARD DRAWING CPTJ - 6A

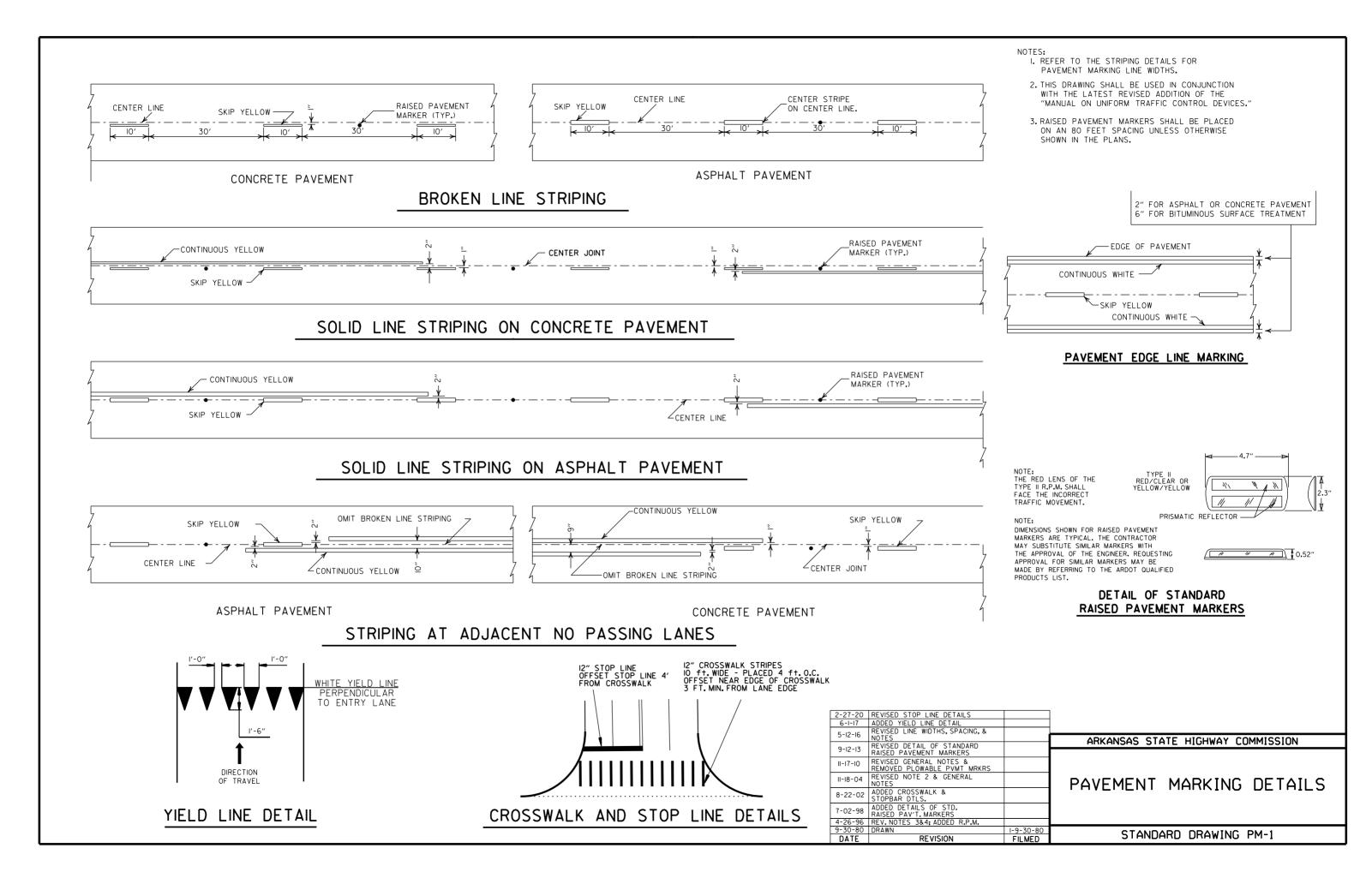


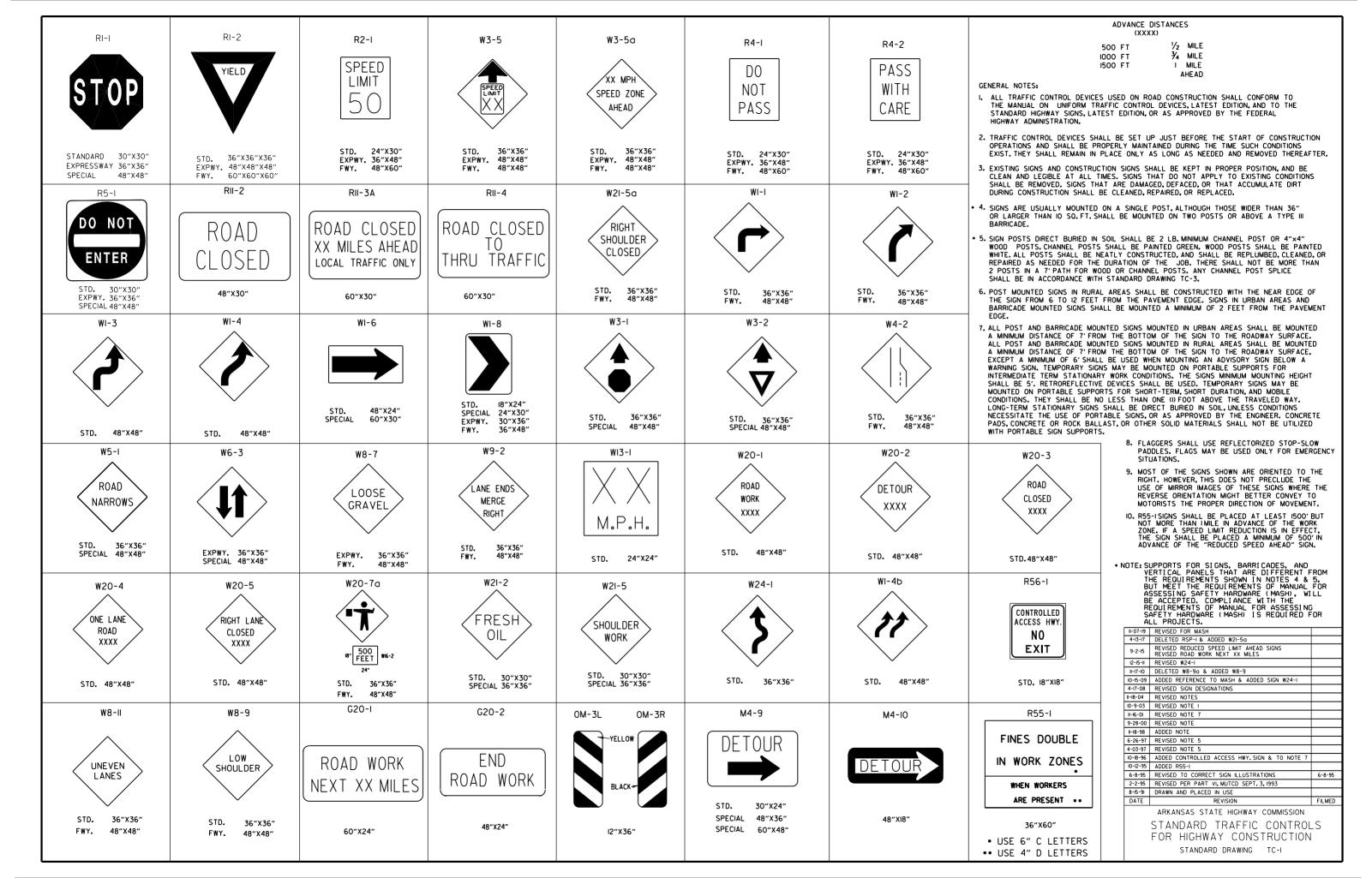
5/8" 0 X 2'-6" DEFORMED BARS @ 2'-6" CTRS. FOR ENTIRE LENGTH OF SLAB NOTE: TIE BARS SHALL BE 15' FROM TRANSVERSE JOINTS.

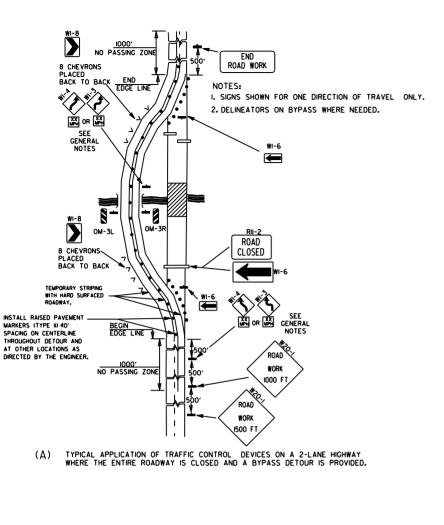
LONGITUDINAL CONSTRUCTION JOINT

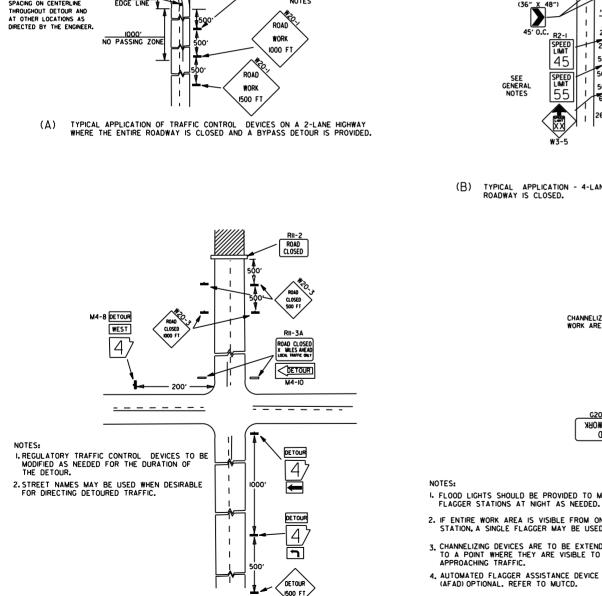


TRANSVERSE CONSTRUCTION JOINT

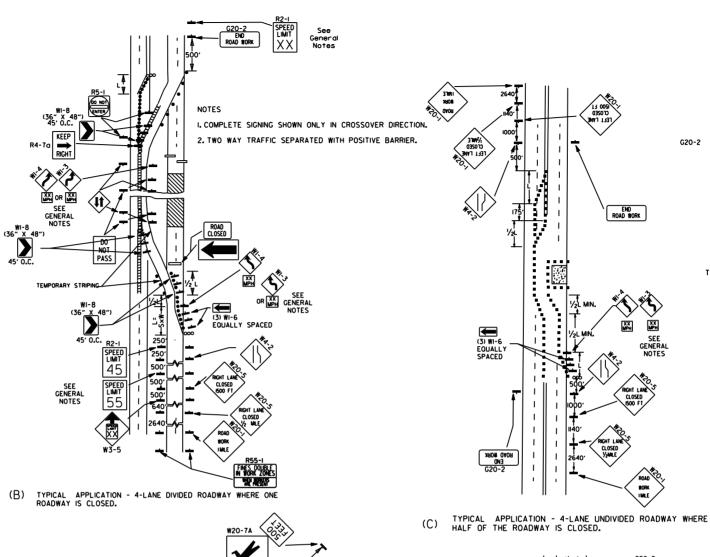


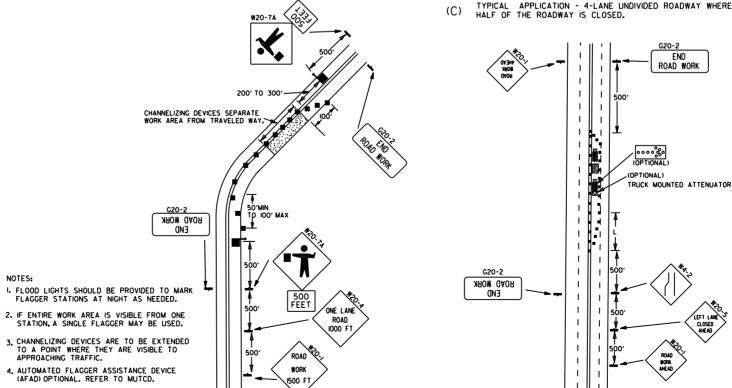






TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.





(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

(E) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED.

FLAGGER POSITIVE BARRIER G20-I ARROW PANEL (IF REQUIRED) TYPE I BARRICADE CHANNELIZING DEVICE TRAFFIC DRUM RAISED PAVEMENT MARKER TYPE II A YELLOW/YELLOW PRISMATIC 0.52" DETAIL OF RAISED PAVEMENT MARKERS

KEY:

TYPICAL ADVANCE WARNING SIGN PLACEMENT

TAPER FORMULAE:

L=SXW FOR SPEEDS OF 45MPH OR MORE.

 $L = \frac{WS}{60}^2$  FOR SPEEDS OF 40MPH OR LESS.

WHERE:

L= MINIMUM LENGTH OF TAPER.

S= NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.

W= WIDTH OF OFFSET.

GENERAL NOTES:

I. THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON WI-3 OR WI-4 CURVE WARNING SIGNS. USE WI-4 WHEN SPEED IS GREATER THAN 30MPH AND WI-3 WHEN 30MPH OR LESS

30MPH OR LESS
2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS
REQUIRE A SPEED LIMIT OF 45MPH, THE R2-K55) SHALL BE
OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT
LOCATION, ADDITIONAL R2-145MPH SPEED LIMIT SIGNS SHALL BE
INSTALLED AT A MAXIMUM OF IMILE INTERVALS. AT THE END OF THE WORK AREA A R2-KXX)
SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.

3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS
REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1459 SHALL BE OMITTED.
ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED
AT A MAXIMUM OF IMILE INTERVALS. AT THE END OF THE WORK

AT A MAXIMUM OF IMILE INTERVALS. AT THE END OF THE WORK
AREA A R2-(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.

4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER
SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT.
BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES
THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.

5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED
TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.

6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.

REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.

7. TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER, WHEN PLACED ON ON A DAJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE, PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.

B. DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL.THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.

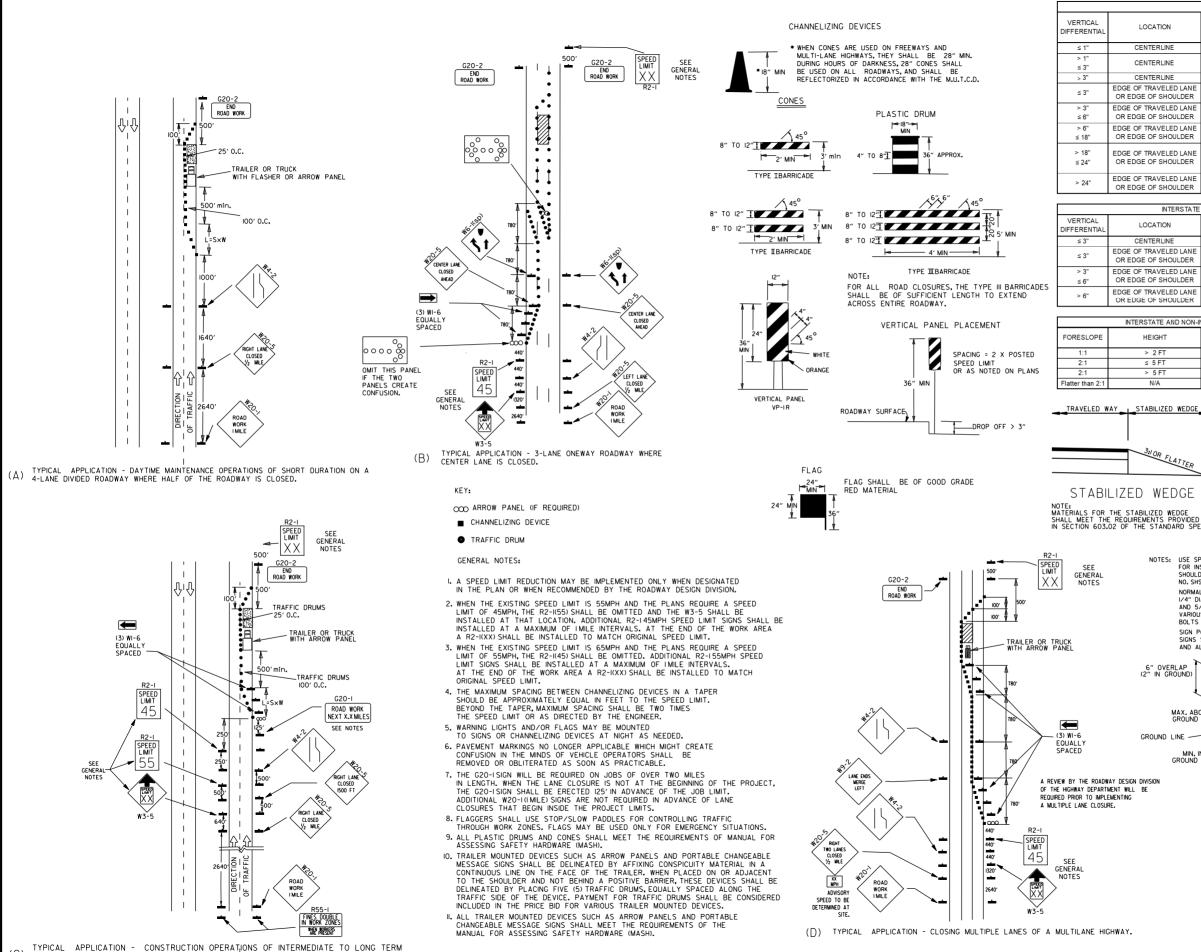
ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

05-20-21	REVISED NOTE 7	
II-07-I9	REVISED NOTE I, ADDED NOTE 9	
9-2-15	REVISED NOTE 2, ADDED NOTE 8, REVISED DRAWING (A) & REPLACED R2-5A WITH W3-5	
9-12-13	REVISED DETAIL OF RAISED PAVEMENT MARKERS	
3-11-10	ADDED (AFAD)	
II-20-08	REVISED SIGN DESIGNATIONS	
II-I8-04	ADDED GENERAL NOTE	
10-18-96	ADDED R55-I	
4-26-96	CORRECTED (a) BEHIND G20-2	
6-8-95	CORRECTED SIGN IDENT. ON WI-4A	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	
DATE	REVISION	FILMED

ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-2



DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.

TRAFFIC CONTROL DEVICES NON-INTERSTATE TRAFFIC CONTROL LOCATION ≤ 45 MPH > 45 MPH CENTERLINE W/8-11 W8-11 V8-11 AND CENTERLINE LAN W8-11 AND CENTERLINE LANE STRIPING STRIPING CENTERLINE STANDARD LANE CLOSURE STANDARD LANE CLOSURE EDGE OF TRAVELED LAN W8-9 AND TRAFFIC DRUMS W8-9 AND TRAFFIC DRUMS OR EDGE OF SHOULDER W8-17, EDGE LINE STRIPING. W8-17, EDGE LINE STRIPING EDGE OF TRAVELED LANE AND TRAFFIC DRUMS<sup>(1)</sup> OR EDGE OF SHOULDER AND TRAFFIC DRUMS(1) W8-17. EDGE LINE STRIPING W8-17. EDGE LINE STRIPING EDGE OF TRAVELED LANE OR EDGE OF SHOULDER AND TRAFFIC DRUMS(1) AND TRAFFIC DRUMS(2) STABILIZED WEDGE, W8-17 EDGE OF TRAVELED LANE W8-17, EDGE LINE STRIPING EDGE LINE STRIPING, AND AND TRAFFIC DRUMS(1) TRAFFIC DRUMS(3) EDGE OF TRAVELED LANE PRECAST CONCRETE PRECAST CONCRETE OR EDGE OF SHOULDER BARRIER<sup>(4)</sup> & EDGE LINES BARRIER(4) & EDGE LINES GENERAL NOTES:

I. WHEN THE SHOULDER AREA IS USED AS PART OF THE TRAVELED LANE AND THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN INTERSTATE

TRAFFIC CONTROL

RECAST CONCRETE BARRIE

TRAFFIC DRIIMS

PRECAST CONCRETE BARRIE

TRAFFIC DRUMS

LOCATION TRAFFIC CONTROL CENTERLINE W8-11 AND LANE STRIPING EDGE OF TRAVELED LANE W8-9. EDGE LINE STRIPING. OR EDGE OF SHOULDER AND TRAFFIC DRUMS(2) W8-17, EDGE LINE STRIPING EDGE OF TRAVELED LANE OR EDGE OF SHOULDER AND TRAFFIC DRUMS(2) EDGE OF TRAVELED LANE RECAST CONCRETE BARRIE & EDGE LINES OR EDGE OF SHOULDER

INTERSTATE AND NON-INTERSTATE

MAX. ABOVE GROUND 4"

MIN. IN GROUND 36

GROUND LINE

HEIGHT

≤ 5 FT

> 5 FT

INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN VERTICAL PANELS SHALL BE USED. WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED. PRECAST CONCRETE BARRIER WALL CAN BE USED IN LIEU OF A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS, IF AND WHERE DIRECTED BY THE ENGINEER. A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS CAN BE USED IN LIEU OF PRECAST CONCRETE BARRIER WALL, IF AND WHERE DIRECTED BY THE ENGINEER. W21-5, W21-5, W21-50, AND/OR W21-5D SIGNS SHALL BE USED WHERE THE ROADWAY IS UNOBSTRUCTED IF AND WHERE DIRECTED BY THE ENGINEER. TIME LIMITATIONS MUST CONFORM TO SECTION 603 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).

TOP SLOW PADDLE

BACK

(SLOW)

FRONT

6" SERIES "C" IB" STOP

COLORS LEGEND-WHITE (REFL) BACKGROUND-RED (REFL) LEGEND-BLACK BACKGROUND-ORANGE (REFL) AREA OUTSIDE DIAMOND-BLACK POST SHALL NOT EXTEND ABOVE SIGN STABILIZED WEDGE NOTE: MATERIALS FOR THE STABILIZED WEDGE SHALL MEET THE REQUIREMENTS PROVIDED IN SECTION 603.02 OF THE STANDARD SPECIFICATIONS. & SPLICE BOLTS NOTES: USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION, TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-2) NORMAL INSTALLATIONS WILL REQUIRE I/4" DIA. BOLTS TO MOUNT SIGNS TO POST AND 5/16" DIA. BOLTS TO ASSEMBLE THE 30" MIN. GROUND VARIOUS POST SUPPORTS, EACH OF THESE BOLTS SHALL BE CARRIAGE BOLTS. SPLICE SIGN POSTS SHALL BE PAINTED GREEN; SIGNS SHALL NOT BE PAINTED, AND ALL SIGN POSTS SHALL BE PLUMB.

> GROUND LINE-DETAIL OF SPLICES 08-12-21 REVISED TRAFFIC CONTROL DEVICES AND NOTES 05-20-21 REVISED NOTE IO 2-27-20 REVISED TRAFFIC CONTROL DEVICES DETAILS II-07-I9 REVISED NOTE 9, ADDED NOTE II 7-25-19 REVISED TRAFFIC CONTROL DEVICES DETAILS 9-2-I5 REVISED NOTE 2 & REPLACED R2-5A WITH W3-5 IO-I5-09 ADDED REFERENCE TO MASH 4-03-97 ADDED (SP) TO W6-1& REVISED TRAFFIC CONTROL DEVICES NOTE IO-I8-96 ADDED R55-I 10-12-95 MOVED UPPER SPLICE

> > 6-8-95 REVISED SPLICE DETAIL, TEXT

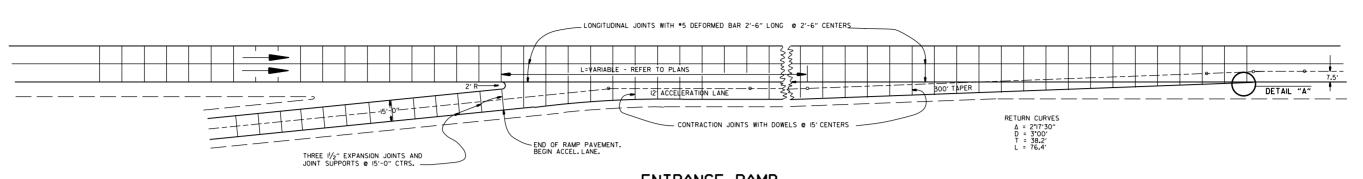
8-I5-9I DRAWN AND PLACED IN USE

DATE

2-2-95 REVISED PER PART VI, MUTCD, SEPT. 3, 1993

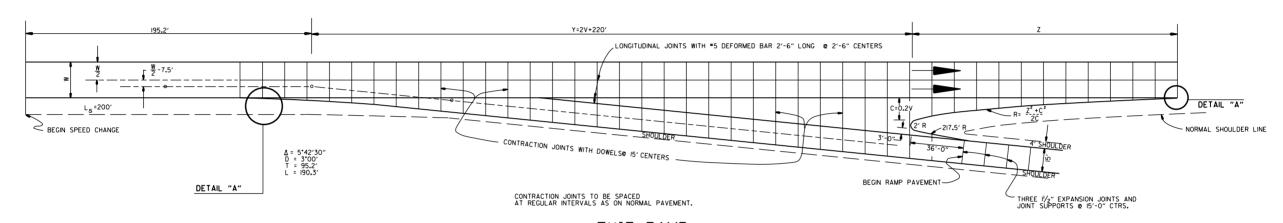
ARKANSAS STATE HIGHWAY COMMISSION STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION STANDARD DRAWING

6-8-95



# ENTRANCE RAMP

NOTE: JOINT SPACING ON THE MAIN LANES SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO THESE JOINT LAYOUTS. THE MAIN LANE JOINT SPACING MAY BE REDUCED TO A 12' MINIMUM.



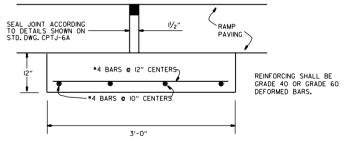
# EXIT RAMP

## EXIT RAMP

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



DETAIL "A"



# DETAIL OF EXPANSION JOINT & JOINT SUPPORT

NOTE: THE EXPANSION JOINTS SHALL BE MEASURED AND PAID FOR AS P.C.C.
PAVEMENT (RAMP THICKNESS), WHEN RAMP PAVING IS ASPHALT,
EXPANSION JOINT IS NOT REQUIRED.
THE JOINT SUPPORT MAY BE CONSTRUCTED WITH CLASS "A", "S", OR PAVING
CONCRETE. PAYMENT FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE CLASS OF CONCRETE USED. ALL OTHER WORK AND MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE JOINT SUPPORT SHALL BE INCLUDED IN THE PRICE BID FOR THE ABOVE ITEMS.

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

### ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF STANDARD TURNOUT FOR

ENTRANCE & EXIT RAMPS (NON-REINFORCED)

STANDARD DRAWING TR-IA