DATE REVISED "A FULLY CONTROLLED ACCESS FACILITY" ARKANSAS DEPARTMENT OF TRANSPORTATION CONSTRUCTION PLANS FOR STATE HIGHWAY CRAWFORD CO. LINE - HWY. (SEL. SECS.) (S) PROJECT LOCATION **WASHINGTON COUNTY** DISTRICT 8 **ROUTE I-49 SECTION 28** DISTRICT 6 JOB 040883 DISTRICT FED. AID PROJ. NHPP-49-1(21) NOT TO SCALE R 30 W R 29 W R 31 W ARK. HWY. DIST. NO. 4 VICINITY MAP EXCEPTIONS TO JOB 040883 LOG MILE 41.243 SB TUNNEL END 1395.00' EXCEPTION LENGTH BOBBY HOPPER TUNNEL LOG MILE 61.200 END JOB 040883 LOG MILE 41.507 SB TUNNEL LOG MILE 41.243 NB TUNNEL END 1595.00' EXCEPTION LENGTH BOBBY HOPPER TUNNEL LOG MILE 41.545 NB TUNNEL END LOG MILE 41.882 LOG MILE 40.217 BEGIN SELECT SECTION **BEGIN JOB 040883** 

R 31 W

PRO IFCT	COORDINATES
LVOJECI	COUNDINAILS

TIME: 97/2023 J.\25846.11\040883 -

	BEGIN	MID-POINT	END					
LATITUDE	N 35°45′09"	N 35°53′42"	N 36°02′33"					
LONGITUDE	W 94°11′54"	W 94°11′12"	W 94°11′24"					
LOG MILE	40.217	50.709	61.200					

	PROJECT	LE	NGTH CALC	ULATED A	LONG	C.L.	CONS	TRUCTION		
GROSS	S LENGTH	OF	PROJECT	11079	0.24	FEE	T OR	20.983	МΙ	LES
NET			ROADWAY	9947	6.88			18.840	•	
NET			BRIDGES	803	9.00			1.523		
NET		•	PROJECT	10751	5.88			20.363	•	

R 30 W

R 29 W



LOG MILE 41.545

END SELECT SECTION

STATE

ARK.

DISTRICT

6

040883

CRAWFORD CO. LINE - HWY. 62 (SEL. SECS.) (S)

22

1

DISTRICT

"iO

-DISTRICT



Date: 2023.09.07 11:02:54 -05'00'

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
		6	ARK.	040883	2	22	
		BRIDGE DATA					

REGISTERED PROFESSIONAL ENGINEER
No. 19605

Digitally signed by Thomas N Taegtmeyer Date: 2023.09.07

#### BRIDGE DATA

- 1) LOG MILE 42,103 BR. END 1512.00' BRIDGE NO. A6479 40'-0" CLEAR ROADWAY LOG MILE 42.389 BR. END POLYMER OVERLAY
- 2)LOG MILE 42.103 BR. END 1512.00' BRIDGE NO. B6479 40'-0" CLEAR ROADWAY LOG MILE 42.389 BR. END POLYMER OVERLAY
- 3 LOG MILE 43.201 BR. END 1032.00' BRIDGE NO. A6480 40'-0" CLEAR ROADWAY LOG MILE 43.396 BR. END POLYMER OVERLAY
- 4 LOG MILE 43.201 BR. END 1032.00' BRIDGE NO. B6480 40'-0" CLEAR ROADWAY LOG MILE 43.396 BR. END POLYMER OVERLAY
- 5) LOG MILE 43.969 BR. END 1357.00' BRIDGE NO. A648I 40'-0" CLEAR ROADWAY LOG MILE 44.226 BR. END POLYMER OVERLAY
- 6 LOG MILE 43.969 BR. END 1357.00' BRIDGE NO. B6481 40'-0" CLEAR ROADWAY LOG MILE 44.226 BR. END POLYMER OVERLAY
- 7 LOG MILE 47.3II BR. END 298.00' BRIDGE NO. A6483 40'-0" CLEAR ROADWAY LOG MILE 47.367 BR. END POLYMER OVERLAY

- 8 LOG MILE 47.302 BR. END 403.00' BRIDGE NO. B6483 40'-0" CLEAR ROADWAY LOG MILE 47.378 BR. END POLYMER OVERLAY
- 9 LOG MILE 47.632 BR. END 1322.00' BRIDGE NO. A6484 40'-0" CLEAR ROADWAY LOG MILE 47.882 BR. END POLYMER OVERLAY
- LOG MILE 47.654 BR. END 1367.00' BRIDGE NO. B6484 40'-0" CLEAR ROADWAY LOG MILE 47.913 BR. END POLYMER OVERLAY
- 1)LOG MILE 48.908 BR. END 842.00' BRIDGE NO. A6485 40'-0" CLEAR ROADWAY LOG MILE 49.067 BR. END POLYMER OVERLAY
- LOG MILE 48.908 BR. END 782.00' BRIDGE NO. B6485 40'-0" CLEAR ROADWAY LOG MILE 49.056 BR. END POLYMER OVERLAY
- 13LOG MILE 51.528 BR. END 882.00' BRIDGE NO. A6237 40'-0" CLEAR ROADWAY LOG MILE 51.695 BR. END POLYMER OVERLAY
- (4)LOG MILE 51.528 BR. END 1022.00' BRIDGE NO. B6237 40'-0" CLEAR ROADWAY LOG MILE 51.72I BR. END POLYMER OVERLAY

- LOG MILE 53.819 BR. END 276.00' BRIDGE NO. A6239 40'-0" CLEAR ROADWAY LOG MILE 53.871 BR. END POLYMER OVERLAY
- LOG MILE 53.832 BR. END 276.00' BRIDGE NO. B6239 40'-0" CLEAR ROADWAY LOG MILE 53.884 BR. END POLYMER OVERLAY
- LOG MILE 57.956 BR. END 160.00' BRIDGE NO. A6242 40'-0" CLEAR ROADWAY LOG MILE 57.986 BR. END POLYMER OVERLAY
- LOG MILE 57.953 BR. END 160.00' BRIDGE NO. B6242 40'-0" CLEAR ROADWAY LOG MILE 57.983 BR. END POLYMER OVERLAY
- LOG MILE 60.550 BR. END 243.00' BRIDGE NO. A6243 40'-0" CLEAR ROADWAY LOG MILE 60.596 BR. END POLYMER OVERLAY
- LOG MILE 60.563 BR. END 243.00' BRIDGE NO. B6243 40'-0" CLEAR ROADWAY LOG MILE 60.609 BR. END POLYMER OVERLAY

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS		
		6	ARK.	040883	3	22		
		INDEX OF SHEETS AND STANDARD DRAWINGS						

ARKANSAS

REGISTIANO
PROFESSIONAL
ENGINEER
No. 19605

No. 19605

Digitally seprent by Thomas N.
Taegtmeyer
Date: 2023.09.07

### INDEX OF SHEETS

SHEET NO. TITLE BRIDGE NO. DRWG.NO.

1 TITLE SHEET
2 BRIDGE DATA
3 NDEX OF SHEETS AND STANDARD DRAWINGS
4 GOVERNING SPECIFICATIONS AND GENERAL NOTES
5 - 6 TYPICAL SECTIONS OF IMPROVEMENT
7 - 10 SPECIAL DETAILS
11 - 14 MAINTENANCE OF TRAFFIC DETAILS
15 PERMANENT PAVEMENT MARKING DETAILS
16 - 20 QUANTITIES
21 SCHEDULE OF BRIDGE QUANTITIES \_\_\_\_ A & B 6479, A & B 6480, A & B 6481, A & B 6485, A & B 6485, A & B 6237, A & B 6239, A& B 6243, A & B 6242 \_\_\_\_ 66405
22 SUMMARY OF QUANTITIES AND REVISIONS

## **BRIDGE STANDARD DRAWINGS**

DRWG.NO.	TITLE	DATE
55064 \$TANDARD DETAIL\$ FOR JOINT REPAIR\$ & MODIFICATION		11-07-19

# ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
PM-1	PAVEMENT MARKING DETAILS	02-27-20
PM-2	PERMANENT PAVEMENT MARKING ON ACCESS CONTROLLED ROADWAYS	05-14-20
PU-1	DETAILS OF PIPE UNDERDRAIN	12-08- <mark>1</mark> 6
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	05-20-21
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-12-21
TR-1A	DETAILS OF STANDARD TURNOUT FOR ENTRANCE & EXIT RAMPS (NON-REINFORCED)	08-22-02

#### GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY

CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS
AND SUPPLEMENTAL SPECIFICATIONS:

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
10/13/2023		6	ARK.	040883	4	22
		GOVER	NING SPE	CIFICATIONS AND	GENERA	AL NOTES

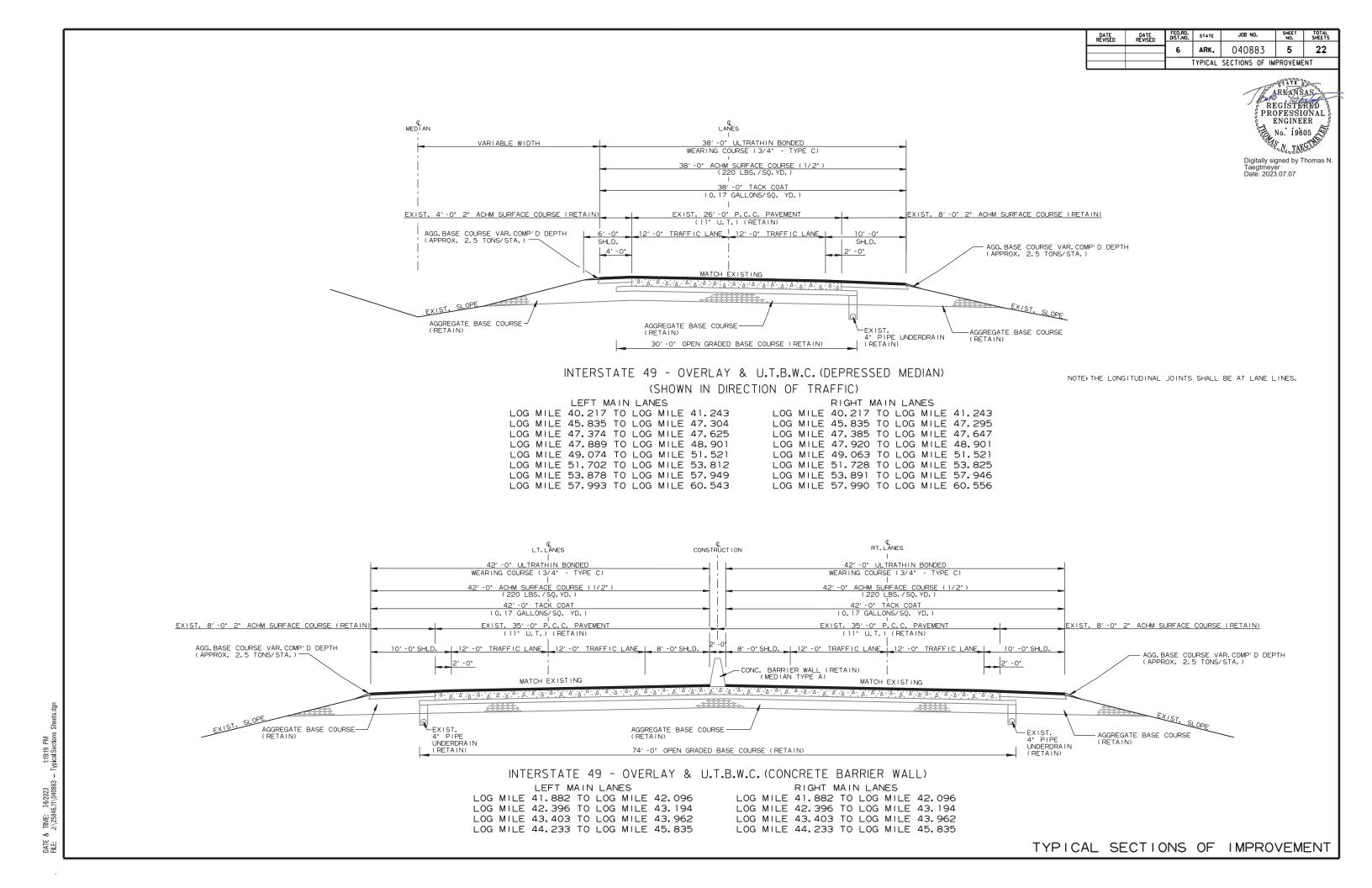
REGISTERED PROFESSIONAL ENGINEER No. 19605

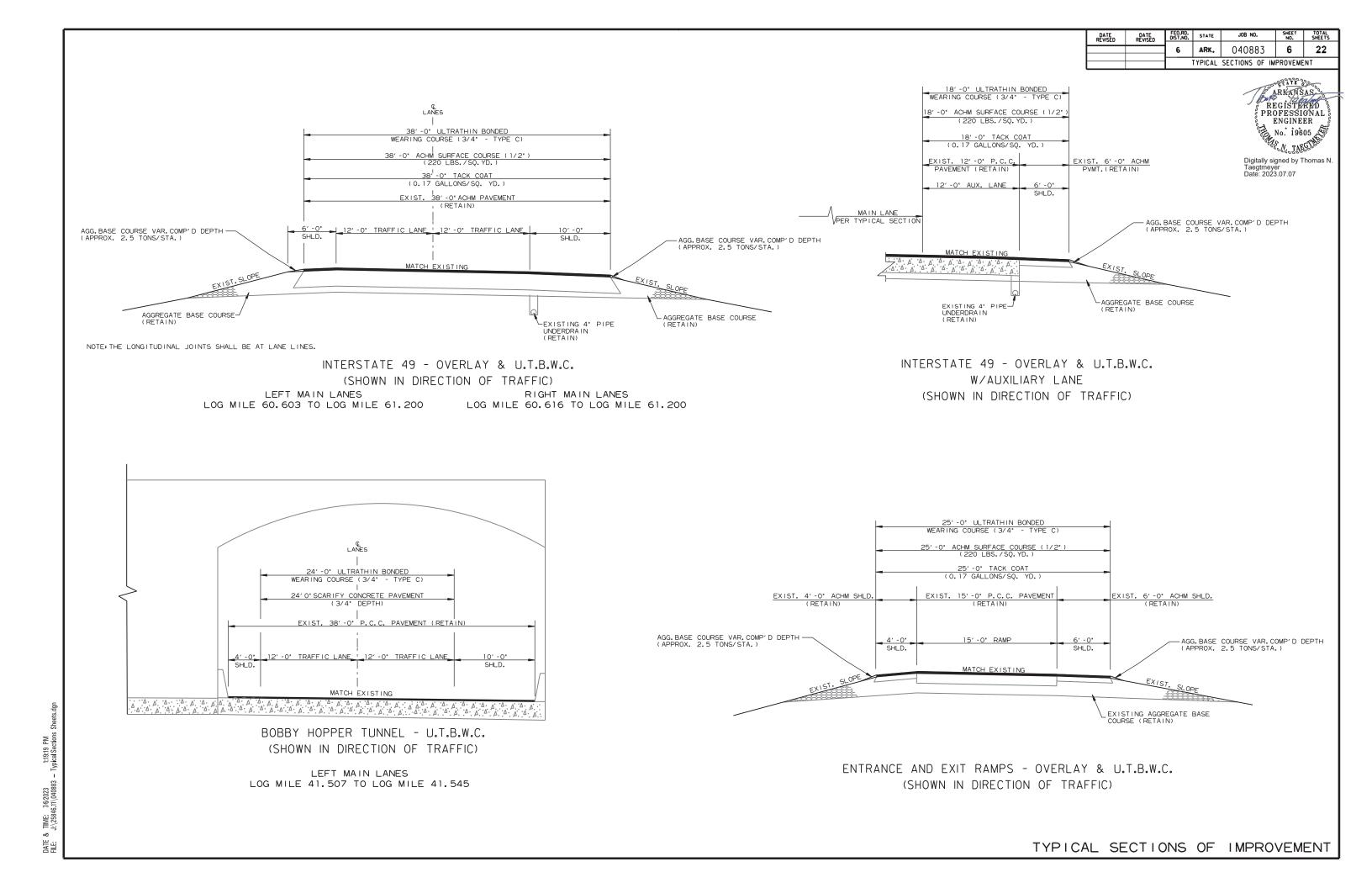
Digitally signed by Thomas N. Taegtmeyer Date: 2023.10.13

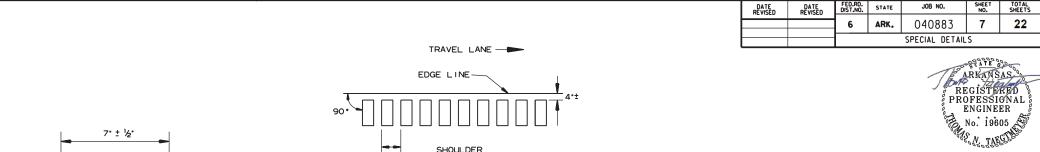
GEN		A 1	NICT	re e
GEI	VER	AL	INO.	IES

- 1. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS 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. 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 INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- 4. 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.
- 5. AGGREGATE BASE COURSE OUTSIDE THE EXISTING SHOULDERS SHALL BE UNIFORMLY COMPACTED, STABLE, AND FREE OF SEGREGATION. THE DENSITY REQUIREMENTS OF SECTION 303 ARE HEREBY WAIVED.
- 6. BRIDGE ANALYSIS SHALL BE REQUIRED PER SECTION 105.14 OF THE STANDARD SPECIFICATIONS.

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNTY - NOTICE TO CONTRACTORS
	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNTY - GOALS AND TIMETABLES
	_SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNTY - FEDERAL STANDARDS _SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS  SUPPLEMENT - WAGE RATE DETERMINATION
	CONTRACTOR'S LICENSE
	DEPARTMENT NAME CHANGE
	ISSUANCE OF PROPOSALS
	MAINTENANCE DURING CONSTRUCTION
107-2	RESTRAINING CONDITIONS
108-1	LIQUIDATED DAMAGES
	WORK ALLOWED PRICR TO ISSUANCE OF WORK ORDER
	AGGREGATE BASE COURSE
	QUALITY CONTROL AND ACCEPTANCE
	_TACK_COATS _ DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
·	PERCENT AR VOIDS FOR ACHM MIX DESIGNS
	LIQUID ANTI-STRIP ADDITIVE
	TRACKLESS TACK
	DESIGN OF ASPHALT MIXTURES
	ASPHALT LABORATORY FACILITY
410-1	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
	DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
410-4	EVALUATION OF ACHM SUBLOT REPLACEMENT NATERIAL
	RECYCLED ASPHALT PAVEMENT
	INCIDENTAL CONSTRUCTION
	LANE CLOSURE NOTIFICATION
	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
	STRUCTURES
802-4	
	REINFORCING STEEL FOR STRUCTURES
JQB 040883_	ASSESSMENT OF WORKING DAYS - MAINTENANCE OF TRAFFIC
JOB 040883_	BIDDING REQUIREMENTS AND CONDITIONS
	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS
	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
	BUY AMERICA - CONSTRUCTION MATERIALS
	CARGO PREFERENCE ACT REQUIREMENTS COLD MILLING – COUNTY PROPERTY
	CONSTRUCTION PROJECT INFORMATION SIGN
	COORDINATION OF WORK
_	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
JOB 040883	DESIGN OF ASPHALT MIXTURES - AGGREGATES
JOB 040883_	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 LONGITUDINAL JOINT DENSITIES FOR ACHM SURFACE COURSES
	MAINTENANCE OF TRAFFIC
	MANDATORY ELECTRONIC CONTRACT
	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
JOB 040883_	PARTNERING REQUIREMENTS
JOB 040883_	POLYMER OVERLAY
JOB 040883_	PRICE ADJUSTMENT FOR ASPHALT BINDER
	PRICE ADJUSTMENT FOR FUEL
	PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
_	REPAIR OF PARAPET RAIL
	RESTRICTIONS ON THE USE OF RECYCLED ASPHALT PAVEMENT MATERIAL SCARIFYING CONCRETE PAVEMENT
	SEQUENCE OF CONSTRUCTION
	SITE USE (A+C METHOD) - CALENDAR DAY CONTRACT
	SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT
_	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
_	TOTAL SOLAR ECLIPSE
	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
	ULTRATHIN BONDED WEARING COURSE
	UNDERDRAIN INSPECTION AND FLUSHING
	UTILITY ADJUSTMENTS
_	VALUE ENGNEERING
	WARM MIX ASPHALT WATER POLLUTION CONTROL
00D 040003_	PARENT DESCRIPTION



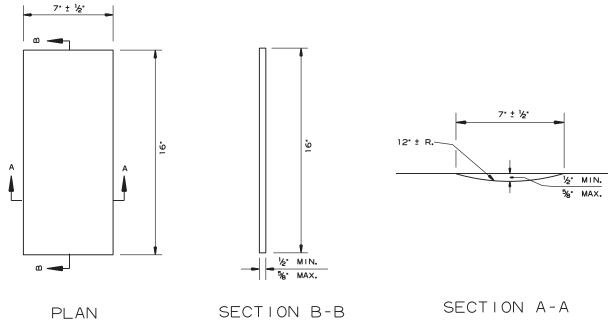




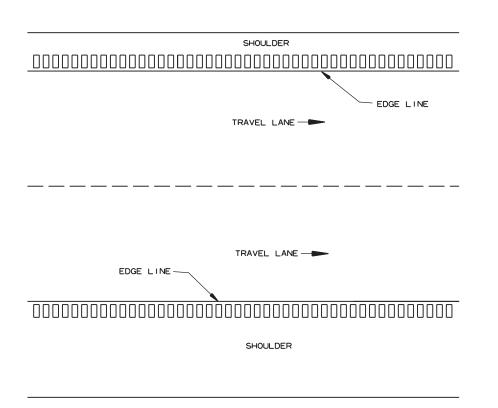
LOCATION PLAN OF RUMBLE STRIPS LEFT OR RIGHT SHOULDER

SHOULDER

(TYPICAL)



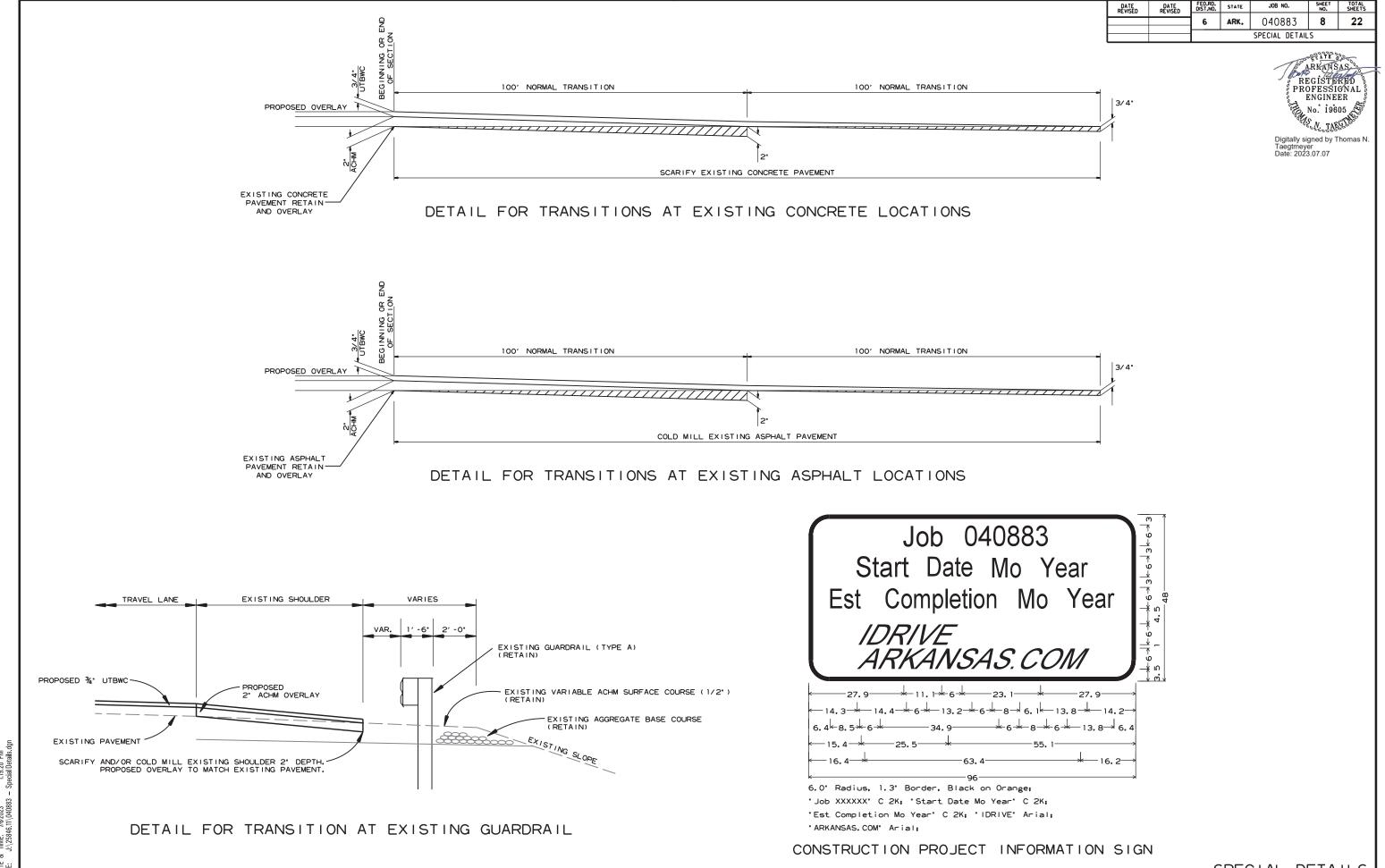
DETAILS OF RUMBLE STRIPS



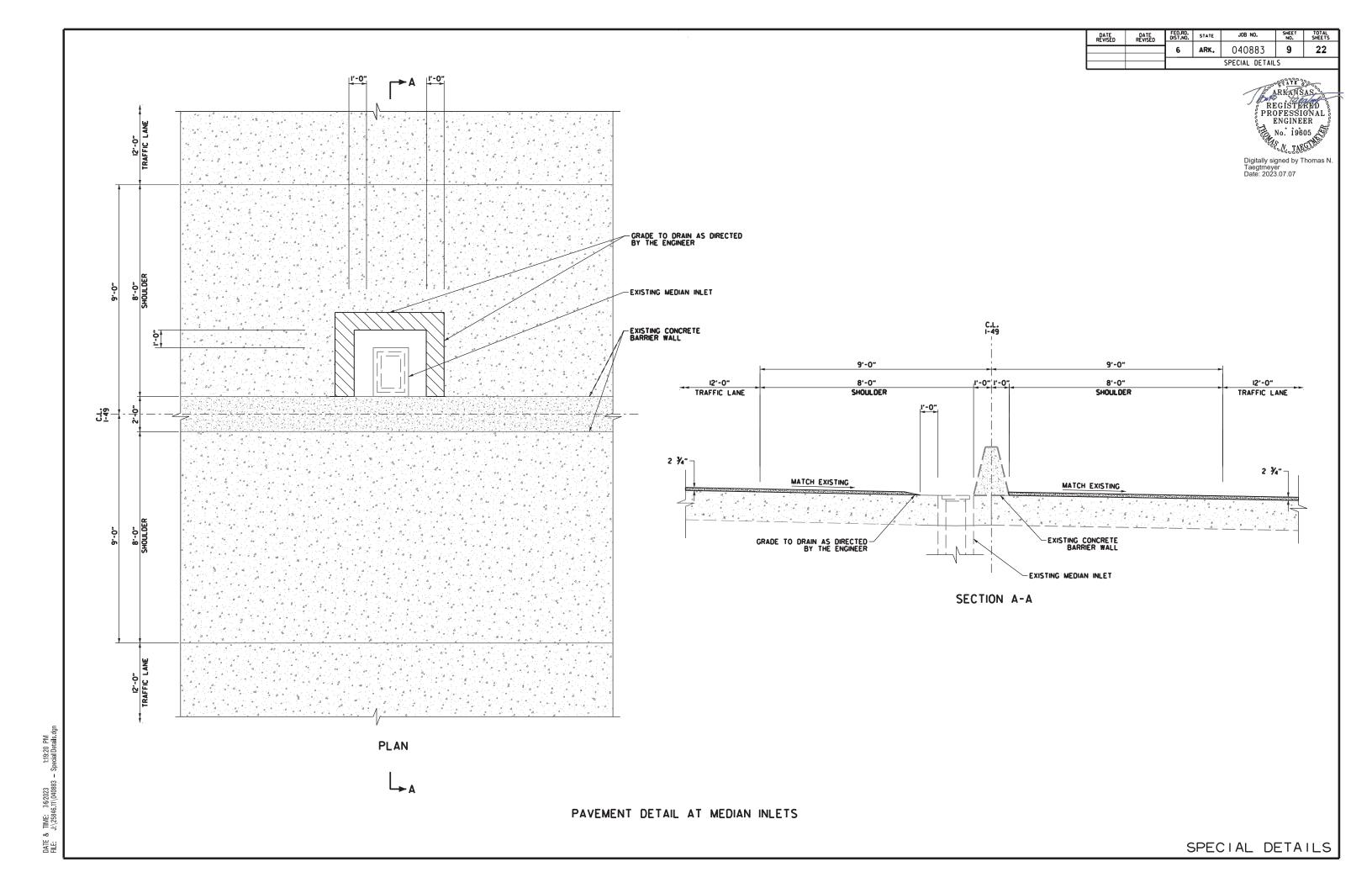
#### NOTES:

- 1. ALIGNMENT OF RUMBLE STRIPS SHALL GENERALLY BE STRAIGHT AND OFFSET APPROXIMATELY 4° FROM THE OUTER EDGE OF THE EDGE LINE. THIS OFFSET MAY BE ADJUSTED TO ACCOMMODATE VARIATIONS IN THE
- 2. THE ½ DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 16 LENGTH, SOME VARIATION TO SUIT SHOULDER SLOPE BREAKS MAY BE NECESSARY.
- 3. RUMBLE STRIPS SHALL NOT BE INSTALLED ON BRIDGE DECKS, APPROACH SLABS, OR ACROSS TRANSVERSE JOINTS OF CONCRETE SHOULDERS.

Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07

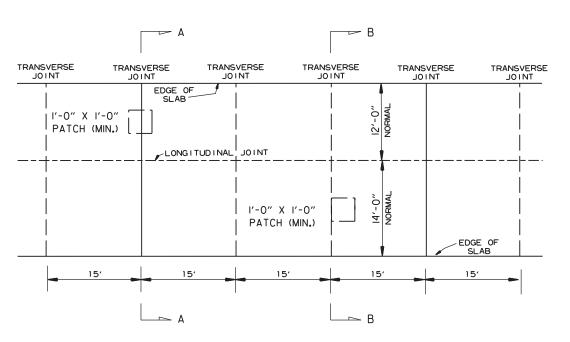


DATE & TIME: 7/6/2023 1:19:2

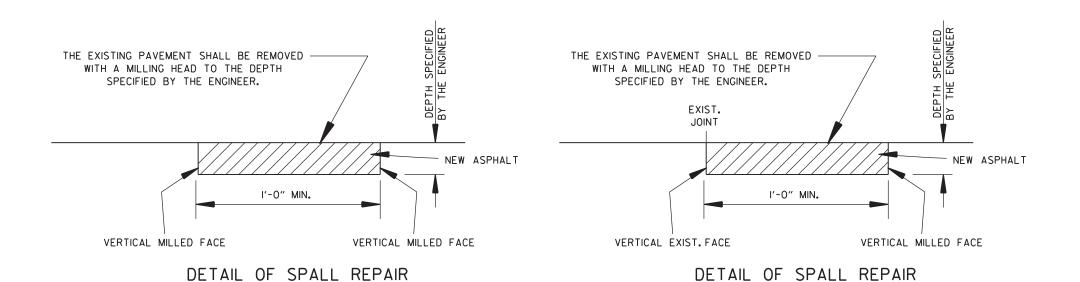


DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO₊	SHEET NO.	TOTAL SHEETS	
		6	ARK.	040883	10	22	
		SPECIAL DETAILS					





PLAN VIEW OF SPALL REPAIR OF P.C.C. PAV'T

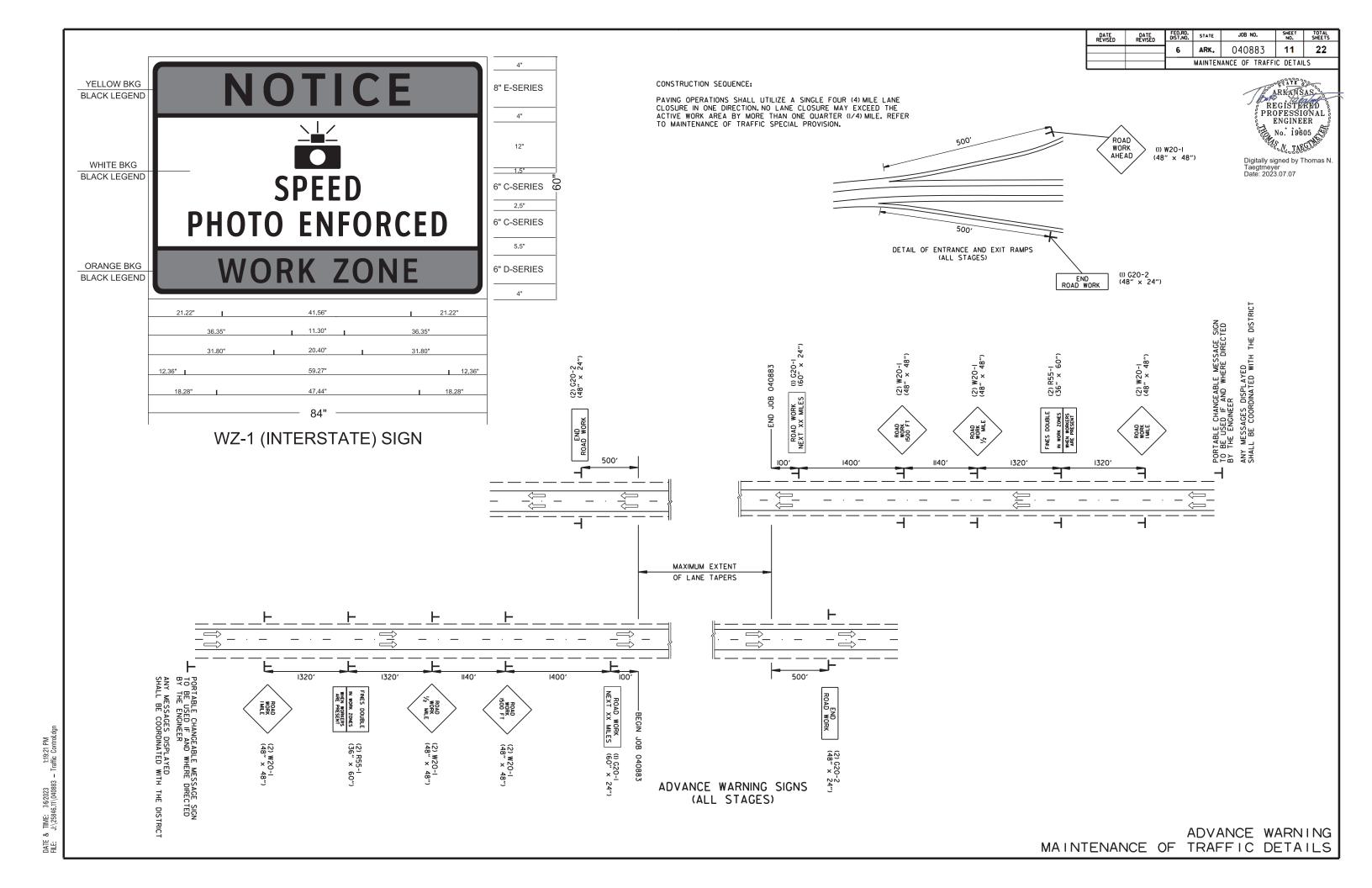


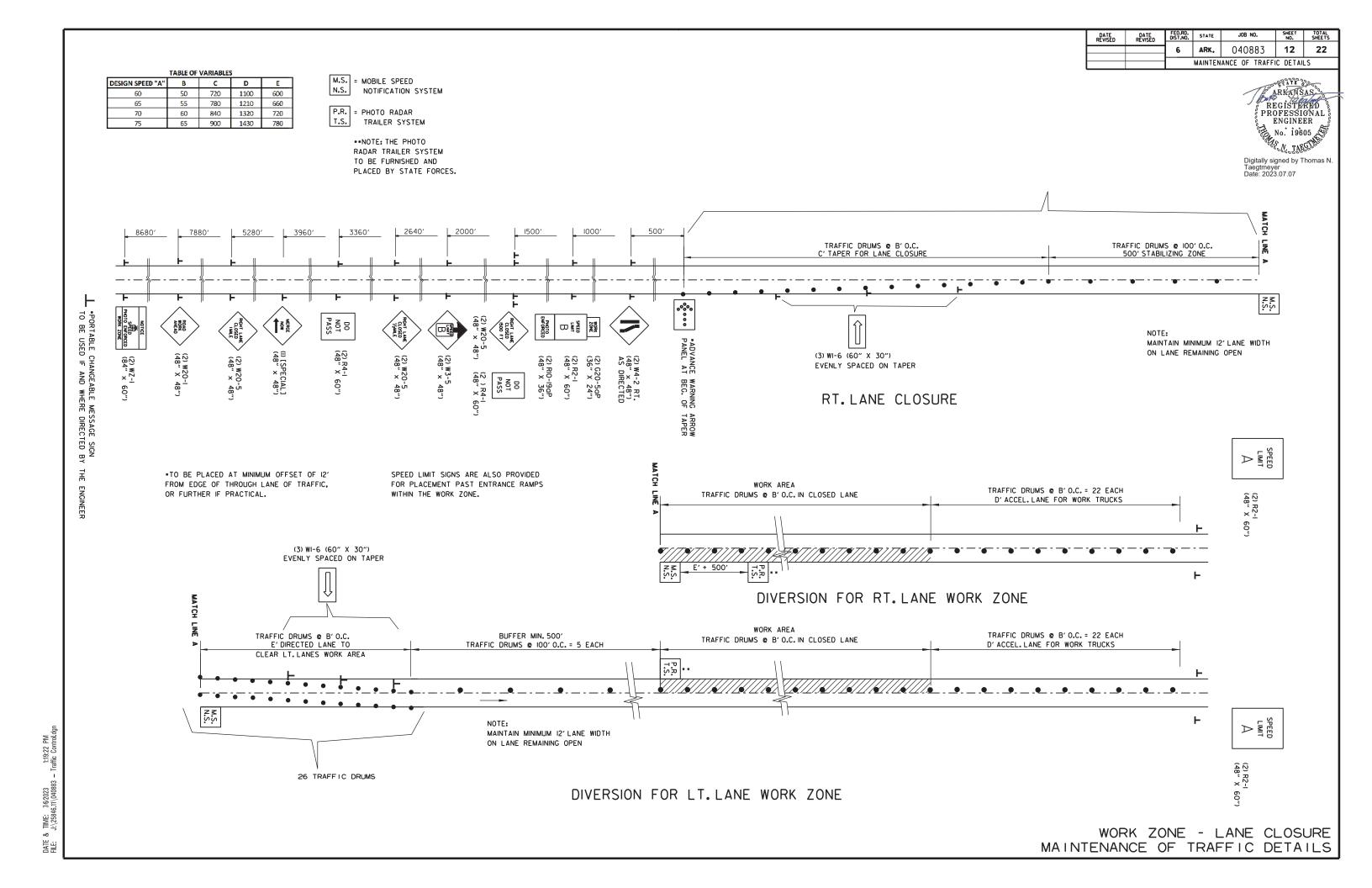
SECTION A-A

DETAILS OF SPALL REPAIR OF P.C.C. PAV'T

SECTION B-B

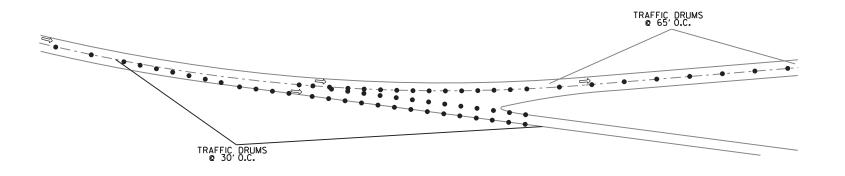
NOTE: THE EXACT SIZE AND LOCATION OF AREA TO BE REPAIRED SHALL BE DETERMINED BY THE ENGINEER.



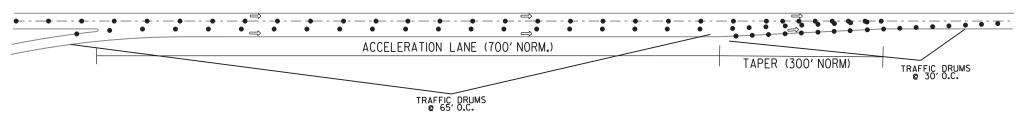


DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO₊	SHEET NO.	TOTAL SHEETS		
		6	ARK.	040883	13	22		
			MAINTENANCE OF TRAFFIC DETAILS					

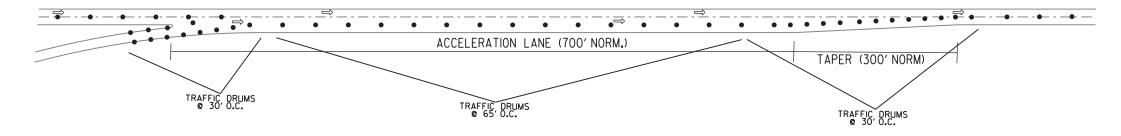




EXIT RAMP - TYPICAL TRAFFIC DRUM LAYOUT OUTSIDE LANE CLOSURE



ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT OUTSIDE LANE CLOSURE

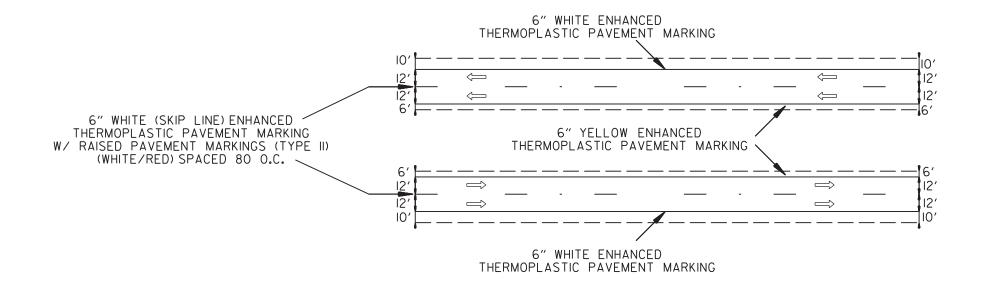


ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT ACCELERATION LANE CLOSURE

					DATE REVISED PATE DIST.NO. STATE JOB NO. SHEET SHEETS  6 ARK. 040883 14 22  MAINTENANCE OF TRAFFIC DETAILS  REGISTERED PROFESSIONAL ENGINEER  No. 19605
		Ę. LANĖ	is		Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07
	, EXIST. 6'-0" SH		EXISTING 12'-O" LANE	EXISTING 10'-0" SHOULDER	
			TRAFFIC DRUM 65' O.CTYPICAL		
		LOCATION OF TRAFFIC DRUMS OUTSIDE LA (SHOWN IN DIREC	FOR MAINTENANCE OF TRAFFI ANE CLOSED TION OF TRAFFIC)	IC	
		(SHOWIN IIN DIREC	TION OF TRAFFIC)		
		Ę. LANE	s		
	EXIST. 6'-0" SH	OULDER EXISTING 12'-0" LANE	EXISTING 12'-O" LANE	EXISTING 10'-0" SHOULDER	
		TRAFFIC DRUM 65' O.CTYPICAL			
fie Control dgn		LOCATION OF TRAFFIC DRUMS INSIDE LAN (SHOWN IN DIREC	FOR MAINTENANCE OF TRAFFI NE CLOSED TION OF TRAFFIC)	C	
i6.11\040883 — Traffic Control.dgn					

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	040883 15		22
		PEI	RMANENT	PAVEMENT MAR	KING DE	TAILS

ARKANSAS PROFESSIONAL PROFESSIONAL ENGINEER No. 19605 Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07



NOTE: SEE PM-I AND PM-2 FOR ADDITIONAL STRIPING DETAILS.

FINAL STRIPING DETAIL

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS		
		6	ARK.	040883	16	22		
		QUANTITIES						

ARKANSAS

REGISTREO
PROFESSIONAL
ENGINEER
No. 19605

Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07

### ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	TOTAL SIGN	IS REQUIRED	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	TRAFFIC DRUMS	*ADVANCE WARNING ARROW PANEL		MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
			NO.	SQ. FT.	EACH		DAY	WEEK	EACH
W20-1	ROAD WORK 1 MILE	48"x48"	4	64.00					
W20-1	ROAD WORK 1/2 MILE	48"x48"	4	64.00					
W20-1	ROAD WORK 1500 FT.	48"x48"	4	64.00					
W20-1	ROAD WORK AHEAD	48"x48"	12	192.00					
G20-2	END ROAD WORK	48"x24"	13	104.00					
G20-1	ROAD WORK NEXT XC MILES	60"x24"	2	20.00					
G20-5aP	WORK ZONE	36"x24"	2	12.00					
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	2	32.00					
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	2	32.00					
W20-5	RIGHT LANE CLOSED 1500 FT	48"x48"	2	32.00					
R2-1	SPEED LIMIT	48"x60"	6	120.00					
W1-6	LARGE ARROW	60"x30"	6	75.00					
W3-5	REDUCED SPEED LIMIT AHEAD	48"x48"	2	32.00					
W4-2	RIGHT LANE ENDS	48"x48"	2	32.00					
R4-1	DO NOT PASS	48"x60"	4	80.00					
R10-19aP	PHOTO ENFORCED	48"x36"	2	24.00					
R55-1	FINES DOUBLE IN WORK ZONES WHEN WORKERS ARE PRESENT	36"x60"	4	60.00					
WZ-1	NOTICE SPEED PHOTO ENFORCED WORK ZONE	84"x60"	2	70.00					
SPECIAL	MERGE NOW ARROW	48"x48"	1	16.00					
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN	96"x48"	2	64.00					
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE				2				
	VERTICAL PANELS								
	TRAFFIC DRUMS		569			569			
	TRAFFIC CONES								
	TYPE III BARRIÇADE-RT. (8")								
	TYPE III BARRICADE-LT. (8')								
	TYPE III BARRICADE-RT. (16')								
	TYPE III BARRICADE-LT. (16')								
	FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER								
	RELOCATING PRECAST CONCRETE BARRIER								
	TEMPORARY IMPACT ATTENUATION BARRIER								
	TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)								
	ADVANCE WARNINGARROW PANEL		1				250		
	PORTABLE CHANGEABLE MESSAGE SIGN	1	1					50	1
	MOBILE SPEED NOTFICATION SYSTEM (SPECIAL)	1	1	1	1				1
	moster of the formation of the formation	1	<u> </u>	1					<del>'</del>
TOTALS:		•	1	1189.00	2	569	250	50	1

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

\* 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.

CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS								
DESCRIPTION	ENTIRE JOB	CONSTRUCTION PAVEMENT	RAISED PAVEMENT MARKERS	ENHANCED THERMOPLASTIC PAVEMENT MARKING				
		MARKINGS TYPE II		6	6"	12"		
		(WHITE/RED)	WHITE	YELLOW	WHITE			
	LIN. FT.	LIN. FT.	EACH					
CONSTRUCTION PAVEMENT MARKINGS	1102252	1102252						
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)	4307		4307					
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	298953			298953				
ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	241878				241878			
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	10295					10295		
TOTALS:		1102252	4307	298953	241878	10295		

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.	040883	17	22		
		QUANTITIES						

ARKANSAS

REGISTREO
PROFESSIONAL
ENGINEER
No. 19605

Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07

# **COLD MILLING ASPHALT PAVEMENT (BOX 2 OF 3)**

LOG MILE	LOG MILE	LOCATION	AVG. WIDTH	TOTAL LENGTH	COLD MILLING ASPHALT PAVEMENT
			FEET	FEET	
1_40	MAINLANE	S	FEET	FEEI	SQ. YD.
40.217		LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
41.205	41 243	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
41.882	41.920	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
42.058	42.096	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
42.396	42.434	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
43.156	43.194	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
43.403	43.441	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
43.924	43.962	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
44.233	44.271	LT. SHLD. OF L.M.L DEPTH TRANS.	8.00	200.00	177.78
47.266	47.304	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
47.374	47.412	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
47.587	47.625	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
47.889	47.927	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
48.863	48.901	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
49.074	49.112	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
51.483	51.521	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
51.702	51.740	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
53.774	53.812	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
53.878	53.916	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
57.911	57.949	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
57.993	58.031	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
60.505	60.543	LT. & RT. SHLD. OF L.M.L DEPTH TRANS.	12.00	200.00	266.67
60.603	60.641	L.M.L. FULL WIDTH - DEPTH TRANS.	38.00	200.00	844.44
61. <b>1</b> 62	61.200	L.M.L. FULL WIDTH - DEPTH TRANS.	38.00	200.00	844.44
40.217	40.255	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	200.07
41.205	41.243	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
41.882	41.920	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
42.058	42.096	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
42.396	42.434	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
43.156	43.194	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
43.403	43.441	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
43.924	43.962	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
44.233	44.271	RT. SHLD. OF R.M.L DEPTH TRANS.	8.00	200.00	177.78
47.257	47.295	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
47.385	47.423	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
47.609	47.647	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
47.920	47.958	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
48.863	48.901	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
49.063	49.101	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
51.483	51.521	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
51.728	51.766	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
53.787	53.825	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
53.891	53.929	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
57.908		LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
57.990	58.028	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
60.518	60.556	LT. & RT. SHLD. OF R.M.L DEPTH TRANS.	12.00	200.00	266.67
60.616	60.654	R.M.L. FULL WIDTH - DEPTH TRANS.	38.00	200.00	844.44
61. <b>1</b> 62	61.200	R.M.L. FULL WIDTH - DEPTH TRANS.	38.00	200.00	844.44
SUBTOTA	L (B0X 1 Q	F 3)			13866.78

COLD MILLING ASPHALT PAVEMENT (BOX 1 OF 3)

					MILING
LOCMILE	LOG MILE	LOCATION	AVG. WIDTH	TOTAL LENGTH	MILLING
LOG MILE	LOG MILE	LOCATION			ASPHALT
			FEET	FEET	SQ. YD.
1.49	GHARDRA	IL LOCATIONS		1.221	2Q. 1D.
41.178	41.230	RT. OF R.M.L. GUARDRAL	10.00	274.56	305.07
41.179	41.241	LT. OF R.M.L. GUARDRAIL	6.00	327.36	218.24
42.062	42.096	LT. OF L.M.L. GUARDRAIL	10.00	179.52	199.47
42.396	42.456	LT. OF L.M.L. GUARDRAIL	10.00	316.80	352.00
43.403	43.460	LT. OF L.M.L. GUARDRAIL	10.00	300.96	334.40
44.233	44.293	LT. OF L.M.L. GUARDRAIL	10.00	316.80	352.00
46.896	44.293	LT. OF L.M.L. GUARDRAIL	10.00	2154.24	2393.60
47.374	47.434	LT. OF L.M.L. GUARDRAIL	10.00	316.80	352.00
47.381	47.450	RT. OF L.M.L. GUARDRAIL	6.00	364.32	242.88
47.889	47.949	LT. OF L.M.L. GUARDRAIL	10.00	316.80	352.00
47.889 49.074	47.956 49.136	RT. OF L.M.L. GUARDRAIL LT. OF L.M.L. GUARDRAIL	6.00 10.00	353.76 327.36	235.84 363.73
49.074	49.136	RT. OF L.M.L. GUARDRAIL	6.00	359.04	239.36
		LT. OF L.M.L. GUARDRAIL	10.00	306.24	
51.702 51.702	51.760 51.774	RT. OF L.M.L. GUARDRAIL	6.00	380.16	340.27 253.44
53.878	53.935	LT. OF L.M.L. GUARDRAIL	10.00	300.96	334.40
		RT. OF L.M.L. GUARDRAIL			
53.878 56.451	53.952 56.691	LT. OF L.M.L. GUARDRAIL	6.00 10.00	390.72 1267.20	260.48 1408.00
57.993	58.050	LT. OF L.M.L. GUARDRAIL	10.00	300.96	334.40
57.993	58.061	RT. OF L.M.L. GUARDRAIL	6.00	359.04	239.36
60.119	60.229	RT. OF L.M.L. GUARDRAIL	6.00	580.80	387.20
60.603	60.676	RT. OF L.M.L. GUARDRAL	6.00	385.44	256.96
60.603	60.661	LT. OF L.M.L. GUARDRAIL	10.00	306.24	340.27
60.781	60.892	RT. OF L.M.L. GUARDRAIL	6.00	586.08	390.72
00.701	00.002	INT. OF E.W.E. GOARDIVAL	0.00	300.00	350.72
42.038	42.096	RT. OF R.M.L. GUARDRAL	10.00	306.24	340.27
43.135	43.194	RT. OF R.M.L. GUARDRAL	10.00	311.52	346.13
43.906	43.962	RT. OF R.M.L. GUARDRAL	10.00	295.68	328.53
46.900	47.295	LT. OF R.M.L. GUARDRAIL	6.00	2085.60	1390.40
47.233	47.295	RT. OF R.M.L. GUARDRAL	10.00	327.36	363.73
47.576	47.647	LT. OF R.M.L. GUARDRAIL	6.00	374.88	249.92
47.586	47.647	RT. OF R.M.L. GUARDRAL	10.00	322.08	357.87
48.830	48.901	LT. OF R.M.L. GUARDRAIL	6.00	374.88	249.92
48.839	48.901	RT. OF R.M.L. GUARDRAL	10.00	327.36	363.73
51.450	51.521	LT. OF R.M.L. GUARDRAIL	6.00	374.88	249.92
51,457	51.521	RT. OF R.M.L. GUARDRAL	10.00	337.92	375.47
53.747	53.825	LT. OF R.M.L. GUARDRAIL	6.00	411.84	274.56
53.770	53.825	RT. OF R.M.L. GUARDRAL	10.00	290.40	322.67
54.337	54.550	RT. OF R.M.L. GUARDRAL	10.00	1124.64	1249.60
57.870	57.946	LT. OF R.M.L. GUARDRAL	6.00	401.28	267.52
57.879	57.946	RT. OF R.M.L. GUARDRAL	10.00	353.76	393.07
60.068	60.179	LT. OF R.M.L. GUARDRAIL	6.00	586.08	390.72
60.099	60.172	RT. OF R.M.L. GUARDRAL	10.00	385.44	428.27
60.484	60.553	LT. OF R.M.L. GUARDRAIL	6.00	364.32	242.88
60.501	60.556	RT. OF R.M.L. GUARDRAL	10.00	290.40	322.67
60.750	60.861	LT. OF R.M.L. GUARDRAIL	6.00	586.08	390.72

SUBTOTAL (BOX 2 OF 3)

NOTE: COORDINATE COLD MILLING STOCKPILE LOCATIONS WITH DISTRICT ENGINEER.

STOCKPILE LOCATIONS SHALL BE NO FURTHER THAN FIVE MILES FROM EACH SITE.

19384.66

# COLD MILLING ASPHALT PAVEMENT (BOX 3 OF 3)

LOG MILE	LOG MILE	LOCATION	AVG. WIDTH	TOTAL LENGTH	COLD MILLING ASPHALT PAVEMENT SQ. YD.
I-49 RA					
45.032	45.070	L.M.L. ENTRANCE RAMP	10.00	200.00	222.22
45.104	45.142	L.M.L. EXIT RAMP	10.00	200.00	222.22
52.753	52.791	L.M.L. ENTRANCE RAMP	10.00	200.00	222.22
52.823	52.861	L.M.L. EXIT RAMP	10.00	200.00	222.22
57.907	57.945	L.M.L. ENTRANCE RAMP	10.00	200.00	222.22
57.987	58.025	L.M.L. EXIT RAMP	10.00	200.00	222.22
60.443	60.481	L.M.L. ENTRANCE RAMP	10.00	200.00	222.22
60.531	60.569	L.M.L. EXIT RAMP	10.00	200.00	222.22
61.127	61.165	L.M.L. EXIT RAMP	10.00	200.00	222.22
45.019	45.057	R.M.L. EXIT RAMP	10.00	200.00	222.22
45.096	45.134	R.M.L. ENTRANCE RAMP	10.00	200.00	222.22
52.867	52.905	R.M.L. EXIT RAMP	10.00	200.00	222.22
52.938	52.976	R.M.L. ENTRANÇE RAMP	10.00	200.00	222.22
57.901	57.939	R.M.L. EXIT RAMP	10.00	200.00	222.22
57.977	58.015	R.M.L. ENTRANCE RAMP	10.00	200.00	222.22
60.566	60.604	R.M.L. EXIT RAMP	10.00	200.00	222.22
60.829	60.867	R.M.L. ENTRANCE RAMP	10.00	200.00	222.22
SUBTOTAL (	3777.74				
SUBTOTAL (	19384.66				
SUBTOTAL (	13866.78				
TOTAL:	•				37029.18
NOTE: COOF	RDINATE COLD	MILLING STOCKPILE LOCATION	IS WITH DISTRICT I	NGINEER	

STOCKPILE LOCATIONS SHALL BE NO FURTHER THAN FIVE MILES FROM EACH SITE. \* LOG MILES BASED ON MAIN LANES

# SCARIFYING CONCRETE PAVEMENT (1 OF 2)

LOG MILE	LOG MILE	LOCATION	LENGTH	AVG. WIDTH	SCARIFYING CONCRETE PAVEMENT
			FEET	FEET	SQ. YD.
I-49 MAIN	LANES				
40.217	40.255	L.M.L.	200.00	26.00	577.78
41.205	41.243	L.M.L.	200.00	26.00	577.78
41.507	41.545	L.M.L BOBBY HOPPER TUNNEL	200.00	24.00	533.33
41.882	41.920	L.M.L.	200.00	34.00	755.56
42.058	42.096	L.M.L.	200.00	34.00	755.56
42.396	42.434	L.M.L.	200.00	34.00	755.56
43.156	43.194	L.M.L.	200.00	34.00	755.56
43.403	43.441	L.M.L.	200.00	34.00	755.56
43.924	43.962	L.M.L.	200.00	34.00	755.56
44.233	44.271	L.M.L.	200.00	34.00	755.56
47.266	47.304	L.M.L.	200.00	26.00	577.78
47.374	47.412	L.M.L.	200.00	26.00	577.78
47.587	47.625	L.M.L.	200.00	26.00	577.78
47.889	47.927	L.M.L.	200.00	25.00	577.78
48.863	48.901	L.M.L.	200.00	26.00	577.78
49.074	49.112	L.M.L.	200.00	26.00	577.78
51.483	51.521	L.M.L.	200.00	26.00	577.78
51.702	51.740	L.M.L.	200.00	26.00	577.78
53.774	53.812	L.M.L.	200.00	26.00	577.78
53.878	53,916	L.M.L.	200.00	26.00	577.78
57.911	57.949	L.M.L.	200.00	26.00	577.78
57.993	58.031	L.M.L.	200.00	25.00	577.78
60.505	60.543	L.M.L.	200.00	26.00	577.78
40,217	40.255	R.M.L.	200.00	26.00	577.78
41.205	41.243	R.M.L.	200.00	25.00	577.78
41.882	41.920	R.M.L.	200.00	34.00	755.56
42.058	42.096	R.M.L.	200.00	34.00	755.56
42.396	42.434	R.M.L.	200.00	34.00	755.56
43,156	43.194	R.M.L.	200.00	34.00	755.56
43.403	43.441	R.M.L.	200.00	34.00	755.56
43.924	43.962	R.M.L.	200.00	34.00	755.56
44.233	44.271	R.M.L.	200.00	34.00	755.56
47.257	47.295	R.M.L.	200.00	25.00	577.78
47.385	47.423	R.M.L.	200.00	26.00	577.78
47.609	47.647	R.M.L.	200.00	26.00	577.78
47.920	47.958	R.M.L.	200.00	26.00	577.78
48.863	48.901	R.M.L.	200.00	26.00	577.78
49.063	49.101	R.M.L.	200.00	25.00	577.78
51.483	51.521	R.M.L.	200.00	25.00	577.78
51.728	51.766	R.M.L.	200.00	26.00	577.78
53.787	53.825	R.M.L.	200.00	26.00	577.78
53.891	53,929	R.M.L.	200.00	26.00	577.78
57.908	57.946	RML	200.00	25.00	577.78
57.990	58 028	RMI	200.00	28.00	577.78
60,518	60,556	R.M.L.	200.00	26.00	577.78
		·			
SUBTOTAL (1	1 OF 2):		•		28444.57

# SCARIFY CONCRETE PAVEMENT (2 OF 2)

			· ·	<del>, ,</del>	
LOG MILE	LOG MILE	MILE LOCATION		AVG. WIDTH	SCARIFYING CONCRETE PAVEMENT
			FEET	FEET	ŞQ. YD.
I-49 RAMP	°S *				
45.032	45.070	L.M.L. ENTRANCE RAMP	200.00	15.00	333.33
45.104	45.142	L.M.L. EXIT RAMP	200.00	15.00	333.33
52.753	52.791	L.M.L. ENTRANCE RAMP	200.00	15.00	333.33
52.823	52.861	L.M.L. EXIT RAMP	200.00	15.00	333.33
57.907	57.945	L.M.L. ENTRANÇE RAMP	200.00	15.00	333.33
57.987	58.025	L.M.L. EXIT RAMP	200.00	15.00	333.33
60.443	60.481	L.M.L. ENTRANCE RAMP	200.00	15.00	333.33
60.531	60.569	L.M.L. EXIT RAMP	200.00	15.00	333.33
61.127	61.165	L.M.L. EXIT RAMP	200.00	15.00	333.33
45.019	45.057	R.M.L. EXIT RAMP	200.00	15.00	333.33
45.096	45.134	R.M.L. ENTRANCE RAMP	200.00	15.00	333.33
52.867	52.905	R.M.L. EXIT RAMP	200.00	15.00	333.33
52.938	52.976	R.M.L. ENTRANÇE RAMP	200.00	15.00	333.33
57.901	57.939	R.M.L. EXIT RAMP	200.00	15.00	333.33
57.977	58.015	R.M.L. ENTRANCE RAMP	200.00	15.00	333.33
60.566	60.604	R.M.L. EXIT RAMP	200.00	15.00	333.33
60.829	60.867	R.M.L. ENTRANCE RAMP	200.00	15.00	333.33
SUBTOTAL (	5666.61				
SUBTOTAL (	28444.57				
TOTAL:					34111.18

<sup>\*</sup> LOG MILES BASED ON MAIN LANES

DATE REVISED	DIST.NO.	STATE	JOB NO.	SHEET NO.	SHEE	
	6	ARK.	040883	18	22	
			OLIANTITIES			

ARKANSAS

REGISTREO
PROFESSIONAL
ENGINEER
No. 19605

Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07

# **RUMBLE STRIPS**

LOG MILE	LOG MILE	LOCATION	STRIPS IN ASPHALT SHOULDER
			LIN.FT.
40.217	41.243	L.M.L.	10834
41.882	42.096	L.M.L.	2260
42.396	43.194	L.M.L.	8426
43.403	43.962	L.M.L.	5904
44.233	45.835	L.M.L.	16918
45.835	47.304	L.M.L.	15512
47.374	47.625	L.M.L.	2650
47.889	48.901	L.M.L.	10686
49.074	51.521	L.M.L.	25840
51.702	53.812	L.M.L.	22282
53.878	57.949	L.M.L.	42990
57.993	60.543	L.M.L.	26928
60.603	61.200	L.M.L.	6304
40.217	41.243	R.M.L.	10834
41.882	42.096	R.M.L.	2260
42.396	43.194	R.M.L.	8426
43.403	43.962	R.M.L.	5904
44.233	45.835	R.M.L.	16918
45.835	47.295	R.M.L.	15418
47.385	47.647	R.M.L.	2766
47.920	48.901	R.M.L.	10360
49.063	51.521	R.M.L.	25956
51.728	53.825	R.M.L.	22144
53.891	57.946	R.M.L.	42820
57.990	60.556	R.M.L.	27096
60.616	61.200	R.M.L.	6168
TOTAL:			

# QUANTITY ESTIMATED.

SEE SECTION 104.03 OF THE STD. SPECS.

# **FLUSHING UNDERDRAIN**

DATE REVISED

LOG MILE	LOG MILE	LOCATIONS	FLUSHING UNDERDRAINS	UNDERDRAIN VIDEO INSPECTION
			LIN.	FT.
40.217	41.243	L.M.L.	6517	6517
41.882	42.096	L.M.L.	1380	1380
42.396	43.194	L.M.L.	5063	5063
43.403	43.962	L.M.L.	3552	3552
44.233	45.835	L.M.L.	10159	10159
45.835	47.304	L.M.L.	9356	9356
47.374	47.625	L.M.L.	1625	1625
47.889	48.901	L.M.L.	6443	6443
49.074	51.521	L.M.L.	15520	15520
51.702	53.812	L.M.L.	13391	13391
53.878	57.949	L.M.L.	21495	21495
57.993	60.543	L.M.L.	16164	16164
60.603	61.200	L.M.L.	3802	3802
40.217	41.243	R.M.L.	6517	6517
41.882	42.096	R.M.L.	1380	1380
42.396	43.194	R.M.L.	5063	5063
43.403	43.962	R.M.L.	3552	3552
44.233	45.835	R.M.L.	10159	10159
45.835	47.295	R.M.L.	9259	9259
47.385	47.647	R.M.L.	1683	1683
47.920	48.901	R.M.L.	6230	6230
49.063	51.521	R.M.L.	15578	15578
51.728	53.825	R.M.L.	13322	13322
53.891	57.946	R.M.L.	25710	25710
57.990	60.556	R.M.L.	16298	16298
60.616	61.200	R.M.L.	3734	3734
ENTIRE PR	OJECT	TO BE USED IF AND WHERE DIRECTED		11600
		BY THE ENGINEER		
TOTALS:			232952	244552
NOTE: QUA	NTITYESTI	MATED.		

## SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT

LOG MILE	LOG MILE	LOCATION	ESTIMATED NUME	BER OF LOACTIONS	S TO BE REPAIRED	TON
			1'x1'	2'x4'	2'x6'	
41.882	60.603	L.M.L.	315	330	120	
41.882	60.603	R.M.L.	357	510	240	
ENTIRE	PROJECT	TO BE USED IF AND WHERE				450.00
		DIRECTED BY THE ENGINEER				
TOTAL ·	<u> </u>			l	<del>                                     </del>	450.00

TOTAL:

LOCATIONS AND NUMBER OF AREAS TO BE REPAIRED ARE ESTIMATED AND FOR INFORMATIONAL PURPOSES ONLY BASIS OF ESTIMATE: AVERAGE DEPTH OF REPAIR...

<sup>\*</sup> TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

<sup>\*</sup> SEE SECTION 104.03 OF THE STD. SPECS.

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS			
		6	ARK.	040883	19	22			
			QUANTITIES						

ARKANSAS

REGISTERED

ROFESSIONAL

ENGINEER

No. 19605

Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07

# THE TRATUIN BONDED WEADING COURSE (BOY 4 OF 3)

LOG MILE	LOG MILE	LOCATION	LENGTH	AVG. WIDTH	ULTRATHIN BONDED WEARING COURSE (3/4" - TYPEC)
I AQ MAII	N LANES		FEET	FEET	SQ. YD.
		1 841	E 4 4 7 0 0	20.00	00070.00
40.217	41.243	L.M.L.	5417.28	38.00	22872.96
41.507	41.545	L.M.L. BOBBY HOPPER TUNNEL	200.64	24.00	535.04
41.882	42.096	L.M.L.	1129.92	42.00	5272.96
42.396	43.194	L.M.L.	4213.44	42.00	19662.72
43.403	43.962	L.M.L.	2951.52	42.00	13773.76
44.233	45.835 47.304	L.M.L.	8458.56	42.00	39473.28
45.835		L.M.L.	7756.32	38.00	32748.91
47.374	47.625	L.M.L.	1325.28	38.00	5595.63
47.889	48.901	L.M.L.	5343.36	38.00	22560.85
49.074	51.521	L.M.L.	12920.16	38.00	54551.79
51.702	53.812	L.M.L.	11140.80	38.00	47038.93
53.878	57.949	L.M.L.	21494.88	38.00	90756.16
57.993	60.543	L.M.L.	13464.00	38.00	56848.00
60.603	61.200	L.M.L.	3152.16	38.00	13309.12
40.217	41.243	R.M.L.	5417.28	38.00	22872.96
41.882	42.096	R.M.L.	1129.92	42.00	5272.96
42.396	43,194	R.M.L.	4213.44	42.00	19662.72
43.403	43.962	R.M.L.	2951.52	42.00	13773.76
44.233	45,835	R.M.L.	8458.56	42.00	39473.28
45.835	47.295	R.M.L.	7708.80	38.00	32548.27
47.385	47.647	R.M.L.	1383.36	38.00	5840.85
47.920	48.901	R.M.L.	5179.68	38.00	21869.76
49.063	51.521	R.M.L.	12978.24	38.00	54797.01
51.728	53.825	R.M.L.	11072.16	38.00	46749.12
53.891	57.946	R.M.L.	21410.40	38.00	90399.47
57.990	60,556	R.M.L.	13548.48	38.00	57204.69
60.616	61.200	R.M.L.	3083.52	38.00	13019.31
I-49 AUX	I (ILIARY LANE	L L			
44.473	44.677	L.M.L. AUXILIARY LANE	1077.12	VAR.	1874.00
45.356	45.440	L.M.L. AUXILIARY LANE	443.52	VAR.	787.30
52.381	52.583	L.M.L. AUXILIARY LANE	1066.56	VAR.	1101.00
53.228	53.300	L.M.L. AUXILIARY LANE	380.16	VAR.	/88.DO
57.530	57.733	L.M.L. AUXILIARY LANE	1071.84	VAR.	1034.00
58.169	58.265	L.M.L. AUXILIARY LANE	506.88	VAR.	990.00
60.064	60.282	L.M.L. AUXILIARY LANE	<b>11</b> 51.0 <b>4</b>	VAR.	1129.00
60.748	60.854	L.M.L. AUXILIARY LANE	559.68	VAR.	1049.00
61.186	61.279	L.M.L. AUXILIARY LANE	491.04	VAR.	954.30
44.512	44.628	R.M.L. AUXILIARY LANE	612.48	VAR.	2127.00
45.384	45.559	R.M.L. AUXILIARY LANE	924.00	VAR.	1033.00
52.507	52.579	R.M.L. AUXILIARY LANE	380.16	VAR.	591.00
53.105	53.293	R.M.L. AUXILIARY LANE	992.64	VAR.	964.00
57.646	57.725	R.M.L. AUXILIARY LANE	417.12	VAR.	718.00
58.220	58.428	R.M.L. AUXILIARY LANE	1098.24	VAR.	1251.00
60.156	60.272	R.M.L. AUXILIARY LANE	612.48	VAR.	713.00
60.963	61.177	R.M.L. AUXILIARY LANE	1129.92	VAR.	2017.00
	BOX 1 OF 2):				867604.27

#### \* LOG MILES BASED ON MAIN LANES

# ACHM PATCHING OF EXISTING ROADWAY

DESCRIPTION	TON
ENTIRE PROJECT - TO BE USED IF AND WHERE	200
DIRECTED BY THE ENGINEER	
TOTAL	
TOTAL:	200

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

# **REPAIR OF PARAPET RAIL**

	LOG MILE	LOG MILE	LOCATION	PARAPET RAIL
				LIN. FT.
1	47.69	47.69	I-49 MAIN LANES	10.00
1				
*	ENTIRE	PROJECT	TO BE USED IF AND WHERE	10.00
			DIRECTED BY ENGINEER	
1				
1	TOTAL:		_	20.00
	OLIA NITITY EC	TIMANTED		

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

# ULTRATHIN BONDED WEARING COURSE (BOX 2 OF 2)

		TRATHIN BONDED WEAR	1140 COOKOL (I	30X 2 01 2)	
LOG MILE	LOG MILE	LOCATION	LENCTH	AVG. WIDTH	ULTRATHIN BONDED WEARING COURSE (3/4" - TYPE C)
			FEET	FEET	SQ. YD.
I-49 R	AMPS*				
44.677	45.070	L.M.L. ENTRANÇE RAMP	2442.00	25.00	6783.33
45.104	45.356	L.M.L. EXIT RAMP	1454.00	25.00	4038.89
52.583	52.791	L.M.L. ENTRANCE RAMP	1265.00	25.00	3513.89
52.823	53.228	L.M.L. EXIT RAMP	2363.00	25.00	6577.78
57.733	57.945	L.M.L. ENTRANÇE RAMP	1180.00	25.00	3277.78
57.987	58.169	L.M.L. EXIT RAMP	1086.00	25.00	3016.67
60.282	60.481	L.M.L. ENTRANCE RAMP	1065.00	25.00	2958.33
60.531	60.748	L.M.L. EXIT RAMP	1153.00	25.00	3216.67
61. <b>1</b> 27	61.186	L.M.L. EXIT RAMP	314.00	25.00	872.22
44.628	45.057	R.M.L. EXIT RAMP	2099.00	25.00	5830.56
45.096	45.384	R.M.L. ENTRANCE RAMP	1536.00	25.00	4266.67
52.579	52.905	R.M.L. EXIT RAMP	1667.00	25.00	4630.56
52.938	53.105	R.M.L. ENTRANCE RAMP	926.00	25.00	2572.22
57.725	57.939	R.M.L. EXIT RAMP	1119.00	25.00	3108.33
57.977	58.220	R.M.L. ENTRANCE RAMP	1372.00	25.00	3811.11
60.272	60.604	R.M.L. EXIT RAMP	1853.00	25.00	5155.56
60.829	60.963	R.M.L. ENTRANCE RAMP	749.00	25.00	2080.56
SUBTOTAL (	BOX 2 OF 2):				65711.13
SUBTOTAL (	BOX 1 OF 2):				867604.27
TOTAL:			1		933315.40

<sup>\*</sup> LOG MILES BASED ON MAIN LANES

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
		6	ARK.	040883	20	22	

ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 19605

Digitally signed by Thomas N. Taegtmeyer Date: 2023.07.07

### BASE AND SURFACING (BOX 1 OF 2)

LOG MLE   LOG MILE   LOGATION   LOCATION   L	BASE AND SURFACING (BOX 1 OF 2)														
TON   FEET   STATION   TON				LENGTH				TAC	COAT		ACHN	ACHM SURFACE COURSE (1/2")			
	LOG MILE	LOG MILE	LOCATION			TON		SQ.YD.		GALLON		SQ.YD.			
40 217   41 243   LML				FEET	017111011		FEET				FEET		0 4.1.2.	TON	
41.882   42.986   LML															
42.396															
13.403   43.962   LML															
44 233   45.835   LML															
45 835 47304 LML															
47.874 47.625 LML 1325.28 5.00 66.26 38.00 599.63 0.17 951.26 38.00 599.63 220.00 615.26 47.889 48.901 LML 5543.36 5.00 267.17 38.00 2550.85 20.00 2451.89 49.074 515.21 LML 1292016 5.00 666.01 38.00 54551.79 0.17 9273.80 38.00 2556.52 220.00 2451.89 49.074 515.21 LML 1140.80 5.00 557.4 8.00 557.4 8.00 557.4 796.62 38.00 54551.79 0.17 9273.80 38.00 4703.83 220.00 5174.28 53.878 57.949 LML 21394.88 5.00 1074.74 38.00 90756.16 0.17 15425.55 38.00 4703.83 220.00 5174.28 53.878 57.949 LML 13464.00 5.00 673.20 38.00 5684.00 0.17 15425.55 38.00 90756.16 220.00 9983.18 57.993 60.543 LML 13464.00 5.00 673.20 38.00 5684.00 0.17 15425.55 38.00 90756.16 220.00 9983.18 60.00 36.00 573.20 38.00 5684.00 0.17 15425.55 38.00 90956.44 220.00 3405.20 40.217 41.243 RML 5417.28 5.00 270.86 38.00 3065.44 0.17 5264.12 38.00 39965.44 220.00 3405.20 40.217 41.243 RML 5417.28 5.00 270.86 38.00 3065.44 0.17 5264.12 38.00 39965.44 220.00 3405.20 42.396 43.194 RML 1129.92 2.50 23.52 42.00 572.96 0.17 389.40 42.00 5272.66 20.00 580.03 42.396 43.194 RML 2951.52 2.50 23.57 42.00 195.37 42.00 1373.76 0.17 3846.64 42.00 18962.72 220.00 216.59 14.303 43.90 43.952 RML 2951.52 2.50 73.79 42.00 1377.37 6.01.7 3342.66 42.00 1377.37 62.00 151.34 42.33 45.835 RML 3495.60 2.50 2311.46 42.00 3897.32 6.017 770.60 5.00 389.31 47.385 47.647 RML 1383.36 5.00 691.7 38.00 5840.85 0.17 992.34 38.00 3894.32 220.00 3890.31 47.385 47.647 RML 1383.36 5.00 691.7 380.00 5840.85 0.17 992.34 38.00 3894.32 220.00 3890.31 47.385 47.647 RML 1383.36 5.00 691.7 380.00 5840.85 0.17 992.34 38.00 3894.32 220.00 3890.31 47.385 47.647 RML 1383.36 5.00 691.7 380.00 5840.85 0.17 992.34 38.00 5840.85 0.20 3890.31 47.385 47.647 RML 1383.36 5.00 691.7 380.00 5840.85 0.17 992.34 38.00 5840.85 0.20 3890.31 47.385 47.800 1 RML 13951.84 6.00 573.48 38.00 5840.85 0.17 992.34 38.00 5840.85 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.20 3890.31 47.385 0.															
47.889 44.901 LML 5543.36 5.00 267.17 38.00 2250.85 0.17 3835.34 38.00 2250.85 179 220.00 600.07 61702 53.812 LML 11140.80 5.00 650.0 650.1 38.00 5551.79 17 9273.80 38.00 5551.79 220.00 600.07 61702 53.812 LML 11140.80 5.00 557.04 38.00 4703.89 0.17 796.62 38.00 4703.89 22.00 5174.25 53.878 57.99 LML 13464.00 5.00 673.20 38.00 5684.80 0.17 796.62 38.00 5684.80 9983.18 57.993 60.543 LML 13464.00 5.00 673.20 38.00 5684.80 0.17 9664.16 38.00 5684.80 0.00 9883.18 50.603 61.992 LML 7333.92 5.00 366.70 38.00 3695.44 1.00 0.17 5264.12 38.00 3065.44 22.00 446.20 440.217 41.243 RML 54172.8 5.00 270.86 38.00 2257.296 0.17 3888.40 38.00 22872.96 22.00 2516.03 41.882 42.096 RML 41.82 42.096 RML 4213.44 250 105.34 42.00 1862.72 5.00 13.00 3065.44 22.00 5272.96 0.17 3828.64 42.00 5272.96 22.00 2516.03 43.493 43.962 RML 255 105.34 42.00 1862.72 5.00 1862.72 22.00 2162.90 43.493 43.962 RML 255 105.34 42.00 1862.72 5.00 1862.72 22.00 2162.90 45.39 43.493 43.962 RML 255 105.34 42.00 1862.72 0.17 3842.66 42.00 1862.72 22.00 3693.34 42.00 1862.72 10.17 2414.23 40.00 18.71 2414.23 40.00 18.															
99074   51.521   M.L.   12920 16   5.00   646.01   38.00   54551.79   0.17   9273.80   38.00   54551.79   22.00   600.70															
51702 53.812 LML 11140.80 5.00 557.04 38.00 4728.93 0.77 7986.82 38.00 47039.33 220.00 5174.28 53.878 579.94 LML 13464.00 5.00 673.20 38.00 5076.61 62.00 5993.18 57.993 60.543 LML 13464.00 5.00 673.20 38.00 50868.00 0.77 5684.16 38.00 50956.14 220.00 5935.18 57.993 60.543 LML 7333.92 5.00 466.70 38.00 50868.00 0.77 5684.16 38.00 50956.14 220.00 253.28 60.603 61.992 LML 7333.92 5.00 466.70 38.00 50868.00 0.77 5684.12 38.00 30965.44 220.00 3405.20 41.892 42.00 8															
53878         57.949         L.M.L.         2198.88         5.00         1074.74         38.00         90766.16         0.17         15428.65         38.00         90765.16         220.00         9983.18           60603         61.992         L.M.L.         7333.92         500         38.00         30855.44         0.17         5264.12         38.00         30965.44         220.00         420.00         3406.20           40.217         41.243         R.M.L.         5417.28         5.00         270.86         38.00         2957.99         0.17         388.40         38.00         2287.96         220.00         526.33           41.882         42.096         R.M.L.         4213.44         2.50         425.5         42.00         1962.72         0.17         388.40         42.00         1962.72         2.00         527.96         2.00         1862.72         0.17         334.266         42.00         1965.72         2.01         3342.66         42.00         1965.72         2.01         3342.66         42.00         1965.72         2.01         3342.66         42.00         1967.72         2.20         2.73         42.00         3967.32         8.01         7.01         2342.60         3967.32         8.01				+											
ST993   60.543   LML															
60.603 61.992 LML 7333.92 5.00 366.70 38.00 30965.44 0.17 5264.12 38.00 30965.44 220.00 3406.20 40.217 41.243 RML 5417.28 5.00 270.86 38.00 22872.96 0.17 3888.40 38.00 22872.96 220.00 2516.03 41.882 42.096 RML 1129.92 2.50 28.52 42.00 5272.96 0.17 3888.40 38.00 22872.96 220.00 2516.03 42.396 43.194 RML 4213.44 2.50 105.34 42.00 1962.72 0.17 3342.86 42.00 1962.72 220.00 2516.20 43.403 43.962 RML 2951.52 2.50 73.79 42.00 1962.72 0.17 3342.86 42.00 1962.72 220.00 2516.20 43.403 43.962 RML 2951.52 2.50 73.79 42.00 1962.72 0.17 3342.86 42.00 1973.76 220.00 1515.11 42.33 45.855 RML 84.8555 RML 84.8555 RML 84.8555 RML 708.80 5.00 395.44 38.00 32848.27 0.17 5710.46 42.00 39473.28 220.00 442.00 452.00															
40 217 41243 RML 5417.28 5.00 270.86 38.00 22872.96 0.17 3888.40 38.00 22872.96 22.00 580.03 41.882 42.096 RML 1129.92 2.50 38.25 42.00 1962.72 17 898.40 42.00 5272.96 22.00 580.03 42.396 43.194 RML 4213.44 2.50 105.34 42.00 1962.72 17 898.40 42.00 1962.72 22.00 2162.90 42.340 43.952 RML 2951.52 2.50 105.34 42.00 1962.72 0.17 3342.66 42.00 1962.72 22.00 2162.90 1373.76 1.70 17 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18															
44 2096 RML 1129 92 2 50 38 25 42 00 19627 0 1.7 896 40 42.00 5272 96 22.00 580 03 43.236 43.194 RML 4213.44 2 50 1963.4 42.00 19627 0 1.7 896 40 42.00 19627 2 220.00 2162.90 43.403 43.962 RML 2951.52 2.50 73.79 42.00 13773.76 0.17 2341.54 42.00 13773.76 220.00 1515.11 44.233 45.635 RML 9456.56 2.50 211.46 42.00 38973.26 0.17 6710.40 42.00 38973.26 220.00 4342.00 45835 47.295 RML 1383.36 5.00 89.17 38.00 32842.7 0.17 6710.40 42.00 38973.26 220.00 4342.00 43635 47.647 RML 1383.36 5.00 69.17 38.00 32842.7 0.17 6733.31 80.0 32842.7 220.00 3899.31 47.395 47.647 RML 1383.36 5.00 69.17 38.00 32842.7 0.17 6733.31 80.0 32842.7 220.00 424.90 14.92	60.603	61.992	L.M.L.	7333.92	5.00	366.70	38.00	30965.44	0.17	5264.12	38.00	30965.44	220.00	3406.20	
44 2096 RML 1129 92 2 50 38 25 42 00 19627 0 1.7 896 40 42.00 5272 96 22.00 580 03 43.236 43.194 RML 4213.44 2 50 1963.4 42.00 19627 0 1.7 896 40 42.00 19627 2 220.00 2162.90 43.403 43.962 RML 2951.52 2.50 73.79 42.00 13773.76 0.17 2341.54 42.00 13773.76 220.00 1515.11 44.233 45.635 RML 9456.56 2.50 211.46 42.00 38973.26 0.17 6710.40 42.00 38973.26 220.00 4342.00 45835 47.295 RML 1383.36 5.00 89.17 38.00 32842.7 0.17 6710.40 42.00 38973.26 220.00 4342.00 43635 47.647 RML 1383.36 5.00 69.17 38.00 32842.7 0.17 6733.31 80.0 32842.7 220.00 3899.31 47.395 47.647 RML 1383.36 5.00 69.17 38.00 32842.7 0.17 6733.31 80.0 32842.7 220.00 424.90 14.92				<u> </u>										<b> </b>	
42.386 43.194 R.M.L. 4213.44 2.50 105.34 42.00 19662.72 0.17 3342.66 42.00 19662.72 220.00 2162.90 43.403 43.903 43.962 R.M.L. 2951.52 2.50 73.79 42.00 1377.76 0.17 2341.54 42.00 13773.76 220.00 1515.11 42.33 45.835 R.M.L. 7708.80 5.00 385.44 38.00 3248.27 0.17 5533.21 38.00 32943.27 220.00 3890.31 47.385 R.M.L. 1363.36 5.00 69.17 38.00 8504.85 0.17 992.94 38.00 8640.85 220.00 642.49 47.920 48.901 R.M.L. 5179.68 5.00 259.98 38.00 2189.976 0.17 3717.86 38.00 2189.976 220.00 2405.67 47.920 48.901 R.M.L. 12978.24 5.00 648.91 38.00 2189.976 0.17 3717.86 38.00 2189.976 220.00 602.76 1517.28 53.825 R.M.L. 11072.16 5.00 53.81 38.00 4678.912 0.17 3915.49 38.00 4797.01 20.00 602.76 1517.28 53.825 R.M.L. 11072.16 5.00 53.81 38.00 4678.912 0.17 7947.35 38.00 4678.912 220.00 542.49 60.55 R.M.L. 13648.48 5.00 677.42 38.00 5634.04 0.17 15367.91 38.00 4678.912 220.00 943.94 57.990 60.556 R.M.L. 13648.48 5.00 677.42 38.00 5034.04 0.17 5207.28 38.00 3053.04 220.00 359.41 44.473 44.677 L.M.L. AUXILIARY LANE 13648.48 5.00 677.42 38.00 3033.04 0.17 5207.28 38.00 3053.04 220.00 359.41 44.473 44.677 L.M.L. AUXILIARY LANE 443.52 2.50 11.09 VAR 7870.00 0.17 133.79 VAR 7870.00 220.00 18.57 44.473 44.677 L.M.L. AUXILIARY LANE 1066.56 2.50 28.66 VAR 1191.00 0.17 133.79 VAR 7870.00 220.00 18.57 52.381 52.583 L.M.L. AUXILIARY LANE 1066.56 2.50 28.66 VAR 1191.00 0.17 133.79 VAR 7870.00 220.00 137.44 53.56 45.40 L.M.L. AUXILIARY LANE 1066.56 2.50 28.66 VAR 1191.00 0.17 133.96 VAR 7870.00 220.00 137.44 53.58 65.25 L.M.L. AUXILIARY LANE 1066.56 2.50 28.66 VAR 1191.00 0.17 133.96 VAR 1101.00 220.00 120.01 137.4 53.28 53.300 L.M.L. AUXILIARY LANE 30.016 2.50 28.66 VAR 1191.00 0.17 186.30 VAR 990.00 220.00 137.4 153.28 53.300 L.M.L. AUXILIARY LANE 30.016 2.50 28.67 VAR 1199.00 0.17 187.77 VAR 110.00 220.00 137.4 153.28 53.300 L.M.L. AUXILIARY LANE 30.016 2.50 28.68 VAR 1199.00 0.17 186.30 VAR 990.00 220.00 138.5 153.50 57.733 L.M.L. AUXILIARY LANE 30.016 2.50 28.57 VAR 990.00 0.17 186.30 VAR 990.00 220.00 137.51 153.5 153.5 VAR 20.00 0.17 186.30															
43.903   43.962   R.M.L   2951.52   2.50   73.79   42.00   33773.76   0.17   2341.54   42.00   33773.76   220.00   1515.11     44.233   45.835   R.M.L   8458.56   2.50   211.46   42.00   35975.28   0.17   6710.46   42.00   39473.28   220.00   4342.06     45.835   47.647   R.M.L   1383.36   5.00   89.17   38.00   5848.27   0.17   5533.21   38.00   32548.27   220.00   3890.31     47.385   47.647   R.M.L   1383.36   5.00   69.17   38.00   5840.85   0.17   992.94   38.00   5840.85   220.00   622.49     49.053   51.521   R.M.L   12978.24   5.00   649.91   38.00   54797.01   0.17   3915.49   38.00   54797.01   220.00   6027.67     51.728   53.825   R.M.L   11072.16   5.00   553.61   38.00   36797.01   0.17   3915.49   38.00   54797.01   220.00   5027.65     51.728   53.825   R.M.L   21410.40   5.00   1970.52   38.00   54797.01   0.17   7947.35   38.00   54791.12   20.00   5027.65     53.891   57.946   R.M.L   21410.40   5.00   1970.52   38.00   5720.49   0.17   9724.80   38.00   57204.89   20.00   6929.52     60.616   61.990   R.M.L   7254.72   5.00   362.74   38.00   5720.49   0.17   9724.80   38.00   57204.89   20.00   6929.52      44.473   44.677   L.M.L. AUXILIARYLANE   1077.12   2.50   28.93   VAR   1874.00   0.17   133.79   VAR   787.00   220.00   36.57     52.281   52.583   L.M.L. AUXILIARYLANE   360.16   2.50   2.666   VAR   1101.00   0.17   133.79   VAR   787.00   220.00   66.67   2.50   2.50   2.50   2.66   VAR   1101.00   0.17   133.79   VAR   788.00   220.00   121.11     53.228   53.300   L.M.L. AUXILIARYLANE   506.88   2.50   2.50   2.68   VAR   1199.00   0.17   133.79   VAR   1199.00   220.00   121.11     53.228   53.300   L.M.L. AUXILIARYLANE   506.88   2.50   2.50   2.58   VAR   1199.00   0.17   133.79   VAR   1199.00   220.00   121.11     53.228   53.300   L.M.L. AUXILIARYLANE   506.88   2.50   2.50   2.578   VAR   1199.00   0.17   131.99   VAR   1199.00   220.00   121.11     53.228   53.300   L.M.L. AUXILIARYLANE   506.88   2.50   2.50   2.587   VAR   1199.00   0.17   131.99   VAR   1199.00   220.	1					1									
44.233															
45.855 47.295 RML															
47.920 49.901 RML 5179.68 5.00 69.17 38.00 5840.85 0.17 992.94 38.00 5840.85 22.00 642.89 47.920 49.901 RML 5179.68 5.00 258.98 38.00 21689.76 0.17 3717.86 38.00 21689.76 220.00 2405.67 47.920 49.903 51.521 RML 12978.24 5.00 648.91 38.00 54797.01 0.17 9315.49 38.00 54797.01 220.00 6027.67 517.728 53.825 RML 11072.16 5.00 553.61 38.00 46749.12 0.17 7947.35 38.00 46749.12 220.00 5142.40 53.891 57.946 RML 21410.40 5.00 1070.52 38.00 309.947 0.17 15367.91 38.00 46749.12 220.00 5142.40 57.990 60.556 RML 13548.48 6.00 677.42 38.00 57204.69 0.17 9724.80 38.00 57204.69 220.00 629.52 60.616 61.990 RML 7254.72 5.00 362.74 38.00 30631.04 0.17 5207.28 38.00 30631.04 220.00 3369.41  44.473 44.677 LML AUXILIARY LANE 1077.12 2.50 26.93 VAR 787.00 0.17 133.79 VAR 787.00 220.00 266.14 45.356 45.440 LML AUXILIARY LANE 1066.56 2.50 26.66 VAR 1191.00 0.17 133.79 VAR 787.00 220.00 86.57 52.381 52.583 LML AUXILIARY LANE 1066.56 2.50 26.66 VAR 1191.00 0.17 187.17 VAR 1101.00 220.00 121.11 53.228 53.300 LML AUXILIARY LANE 1071.84 2.50 26.80 VAR 1094.00 0.17 175.78 VAR 1034.00 220.00 124.19 60.046 60.854 LML AUXILIARY LANE 506.88 2.50 12.67 VAR 950.00 0.17 175.78 VAR 1094.00 220.00 124.19 60.748 60.854 LML AUXILIARY LANE 491.04 2.50 12.68 VAR 950.00 0.17 175.78 VAR 1094.00 220.00 124.19 60.748 60.854 LML AUXILIARY LANE 596.88 2.50 12.68 VAR 950.00 0.17 175.78 VAR 1094.00 220.00 124.19 60.748 60.854 LML AUXILIARY LANE 596.88 2.50 12.68 VAR 950.00 0.17 175.78 VAR 1094.00 220.00 113.74 61.866 61.279 LML AUXILIARY LANE 612.48 2.50 12.28 VAR 950.00 0.17 175.61 VAR 1094.00 220.00 133.97 61.186 61.279 LML AUXILIARY LANE 596.80 2.50 12.67 VAR 950.00 0.17 175.61 VAR 1109.00 220.00 133.69 61.86 61.279 RML AUXILIARY LANE 612.48 2.50 12.28 VAR 964.00 0.17 163.38 VAR 994.00 220.00 163.90 61.550 52.579 RML AUXILIARY LANE 612.48 2.50 12.28 VAR 964.00 0.17 160.47 VAR 109.00 220.00 173.69 65.207 52.579 RML AUXILIARY LANE 612.48 2.50 12.28 VAR 964.00 0.17 160.47 VAR 109.00 220.00 173.69 65.207 52.579 RML AUXILIARY LANE 92.64 2.50 2.50 28.50 VAR 964.00 0															
47.920         48.901         R.M.L.         5179.68         5.00         258.98         38.00         2189.76         0.17         3717.86         38.00         2189.76         220.00         2405.67           49.063         51.521         R.M.L.         11972.16         5.00         553.61         38.00         46749.12         0.17         9315.49         38.00         46749.12         220.00         5207.67           53.891         57.946         R.M.L.         21410.40         5.00         1070.52         38.00         90399.47         0.17         15367.91         38.00         90399.47         220.00         9943.94           57.990         60.556         R.M.L.         7254.72         5.00         362.74         38.00         90399.47         0.17         7372.80         38.00         90399.47         220.00         9943.94           60.616         61.990         R.M.L.         7254.72         5.00         362.74         38.00         30631.04         0.17         5207.28         38.00         39631.04         220.00         39631.04           44.473         4.46.73         L.M.L. AUXILARYLANE         1077.12         2.50         26.93         VAR.         1874.00         0.17         318.58															
49.063   51.521   R.M.L.   12978.24   5.00   648.91   38.00   54797.01   0.17   9315.49   38.00   54797.01   220.00   6027.67															
51.728         53.825         R.M.L.         11072.16         5.00         553.61         38.00         46749.12         20.00         5142.40           53.891         57.946         R.M.L.         21410.40         5.00         1070.52         38.00         90399.47         0.17         15367.91         38.00         90399.47         20.00         9943.94           60.616         61.990         R.M.L.         7254.72         5.00         362.74         38.00         57204.69         0.17         9724.80         38.00         57204.69         220.00         292.52           60.616         61.990         R.M.L.         7254.72         5.00         362.74         38.00         30631.04         0.17         5207.28         38.00         30631.04         220.00         3693.04           149 AUXILIARY LANE         1077.12         2.50         26.98         VAR.         1874.00         0.17         318.58         VAR         1874.00         220.00         260.14           45.356         45.440         L.M.L. AUXILIARY LANE         1066.56         2.50         26.86         VAR.         1101.00         0.17         187.17         VAR         187.00         220.00         122.11           52.281 </td <td></td>															
53.891         57.946         R.M.L.         21410.40         5.00         1070.52         38.00         9039.47         0.17         15367.91         38.00         9039.47         220.00         9943.94           67.990         60.556         R.M.L.         7254.72         5.00         677.42         38.00         57204.69         0.17         5207.28         38.00         30631.04         220.00         6925.52           60.616         61.990         R.M.L.         7254.72         5.00         362.74         38.00         30631.04         0.17         5207.28         38.00         30631.04         220.00         6292.52           HAMARY LANES           44.473         44.677         L.M.L. AUXILIARY LANE         1077.12         2.50         26.93         VAR.         1874.00         0.17         318.58         VAR         1874.00         220.00         26.61           44.373         44.677         L.M.L. AUXILIARY LANE         1077.12         2.50         26.93         VAR.         1874.00         0.17         318.58         VAR         1874.00         220.00         26.61           43.366         45.40 L.M.L. AUXILIARY LANE         1066.2.50         25.66         XAR         101.00         0.17<															
57.990 60.556 R.M.L. 13548.48 6.00 677.42 38.00 57204.69 0.17 9724.80 38.00 57204.69 220.00 6292.52 60.616 61.990 R.M.L. 7254.72 5.00 362.74 38.00 30631.04 0.17 5207.28 38.00 30631.04 220.00 3369.41    H49 AUXILIARY LANES  44.473 44.677 L.M.L. AUXILIARY LANE 1077.12 2.50 26.93 VAR. 1874.00 0.17 318.58 VAR 1874.00 220.00 266.14 45.356 45.440 L.M.L. AUXILIARY LANE 1066.56 2.50 11.09 VAR. 767.00 0.17 133.79 VAR 767.00 220.00 86.57 52.381 52.583 L.M.L. AUXILIARY LANE 1066.56 2.50 26.66 VAR. 1101.00 0.17 187.17 VAR 1101.00 220.00 121.11 53.228 53.300 L.M.L. AUXILIARY LANE 1066.56 2.50 9.50 VAR. 768.00 0.17 133.99 VAR 768.00 220.00 86.68 57.530 57.733 L.M.L. AUXILIARY LANE 1071.84 2.50 25.80 VAR. 1034.00 0.17 175.78 VAR 1034.00 220.00 113.74 561.69 58.265 L.M.L. AUXILIARY LANE 1071.84 2.50 26.80 VAR. 1034.00 0.17 175.78 VAR 1034.00 220.00 113.74 561.69 58.265 L.M.L. AUXILIARY LANE 151.04 2.50 28.78 VAR. 1990.00 0.17 168.30 VAR 990.00 220.00 113.74 60.748 60.854 L.M.L. AUXILIARY LANE 151.04 2.50 28.78 VAR. 1090.0 0.17 176.33 VAR 1090.00 220.00 113.74 61.186 61.279 L.M.L. AUXILIARY LANE 491.04 2.50 12.87 VAR. 964.00 0.17 176.33 VAR 1040.0 220.00 115.39 61.186 61.279 L.M.L. AUXILIARY LANE 491.04 2.50 12.28 VAR. 964.00 0.17 176.61 VAR 994.00 220.00 115.39 C.M.L. AUXILIARY LANE 992.00 2.50 23.10 VAR. 964.00 0.17 176.61 VAR 994.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARY LANE 992.40 2.50 2.50 2.50 VAR 964.00 0.17 175.61 VAR 994.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARY LANE 992.64 2.50 2.482 VAR 964.00 0.17 163.88 VAR 994.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARY LANE 992.64 2.50 2.482 VAR 964.00 0.17 163.88 VAR 994.00 220.00 178.98 53.105 53.293 R.M.L. AUXILIARY LANE 992.64 2.50 2.482 VAR 964.00 0.17 163.88 VAR 994.00 220.00 178.98 53.105 53.293 R.M.L. AUXILIARY LANE 992.64 2.50 2.482 VAR 964.00 0.17 163.88 VAR 994.00 220.00 178.98 53.203 R.M.L. AUXILIARY LANE 1098.24 2.50 15.31 VAR 173.00 0.17 120.67 VAR 125.100 220.00 78.98 53.203 R.M.L. AUXILIARY LANE 1098.24 2.50 15.31 VAR 173.00 0.17 120.67 VAR 125.10															
Has also															
149 AUXILIARY LANES   144.677   L.M.L. AUXILIARY LANE   1077.12   2.50   26.93   VAR.   1874.00   0.17   318.58   VAR.   1874.00   220.00   206.14															
44.473	60.616	61.990	R.M.L.	7254.72	5.00	362.74	38.00	30631.04	0.17	5207.28	38.00	30631.04	220.00	3369.41	
44.473															
45.356 45.440 L.M.L. AUXILIARY LANE 443.52 2.50 11.09 VAR. 787.00 0.17 133.79 VAR. 787.00 220.00 86.57 52.381 52.583 L.M.L. AUXILIARY LANE 1066.56 2.50 26.66 VAR. 1101.00 0.17 187.17 VAR. 1101.00 220.00 121.11 13228 53.300 L.M.L. AUXILIARY LANE 380.16 2.50 9.50 VAR. 788.00 0.17 133.96 VAR. 788.00 220.00 86.68 57.530 57.733 L.M.L. AUXILIARY LANE 1071.84 2.50 26.80 VAR. 1034.00 0.17 175.78 VAR. 1034.00 220.00 113.74 58.169 58.265 L.M.L. AUXILIARY LANE 506.88 2.50 12.67 VAR. 990.00 0.17 168.30 VAR. 990.00 220.00 108.90 60.064 60.282 L.M.L. AUXILIARY LANE 1151.04 2.50 28.78 VAR. 1129.00 0.17 191.93 VAR. 1129.00 220.00 124.19 60.186 61.279 L.M.L. AUXILIARY LANE 491.04 2.50 12.28 VAR. 954.00 0.17 162.18 VAR. 954.00 220.00 115.39 44.512 44.628 R.M.L. AUXILIARY LANE 491.04 2.50 12.28 VAR. 954.00 0.17 162.18 VAR. 954.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARY LANE 924.00 2.50 23.10 VAR. 1033.00 0.17 175.61 VAR. 954.00 220.00 13.63 52.507 52.579 R.M.L. AUXILIARY LANE 924.00 2.50 23.10 VAR. 1033.00 0.17 175.61 VAR. 954.00 220.00 13.63 52.507 52.579 R.M.L. AUXILIARY LANE 924.00 2.50 23.10 VAR. 964.00 0.17 100.47 VAR. 954.00 220.00 13.63 57.646 57.725 R.M.L. AUXILIARY LANE 92.64 2.50 24.82 VAR. 964.00 0.17 100.47 VAR. 991.00 220.00 65.01 53.105 53.293 R.M.L. AUXILIARY LANE 92.64 2.50 24.82 VAR. 964.00 0.17 100.47 VAR. 991.00 220.00 137.61 60.156 60.272 R.M.L. AUXILIARY LANE 1098.24 2.50 24.82 VAR. 964.00 0.17 122.06 VAR. 718.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 1098.24 2.50 27.46 VAR. 1251.00 0.17 121.21 VAR. 713.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 612.48 2.50 15.31 VAR. 718.00 0.17 121.21 VAR. 713.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 612.48 2.50 15.31 VAR. 718.00 0.17 122.06 VAR. 718.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 612.48 2.50 27.46 VAR. 1251.00 0.17 121.21 VAR. 713.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 612.48 2.50 27.46 VAR. 1251.00 0.17 121.21 VAR. 713.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 612.48 2.50 25.0 26.25 VAR. 2017.0															
52.381         52.583         L.M.L. AUXILIARY LANE         1066.56         2.50         26.66         VAR.         1101.00         0.17         187.17         VAR.         1101.00         220.00         121.11           53.228         53.300         L.M.L. AUXILIARY LANE         380.16         2.50         9.50         VAR.         768.00         0.17         133.96         VAR.         768.00         220.00         86.68           57.530         57.733         L.M.L. AUXILIARY LANE         1071.84         2.50         26.80         VAR.         1034.00         0.17         175.78         VAR.         1034.00         220.00         183.68           58.169         52.65         L.M.L. AUXILIARY LANE         106.88         2.50         12.67         VAR.         990.00         0.17         168.30         VAR.         1034.00         220.00         108.90           60.064         60.282         L.M.L. AUXILIARY LANE         1151.04         2.50         28.78         VAR.         1129.00         0.17         191.93         VAR.         1129.00         220.00         124.19           60.748         60.854         L.M.L. AUXILIARY LANE         559.68         2.50         13.99         VAR.         1049.00         0.17 <td></td>															
53.228         53.300         L.M.L. AUXILIARY LANE         380.16         2.50         9.50         VAR.         768.00         0.17         133.96         VAR.         768.00         220.00         86.68           57.530         57.733         L.M.L. AUXILIARY LANE         1071.84         2.50         26.80         VAR.         1034.00         0.17         175.78         VAR.         1034.00         220.00         113.74           58.169         58.265         L.M.L. AUXILIARY LANE         506.88         2.50         12.67         VAR.         990.00         0.17         168.30         VAR.         990.00         220.00         108.90           60.064         60.282         L.M.L. AUXILIARY LANE         1151.04         2.50         28.78         VAR.         1129.00         0.17         191.93         VAR.         1149.00         220.00         124.19           60.748         6.0854         L.M.L. AUXILIARY LANE         559.68         2.50         13.99         VAR.         1049.00         0.17         178.33         VAR.         1049.00         220.00         115.39           44.512         44.628         R.M.L. AUXILIARY LANE         91.04         2.50         15.31         VAR.         2127.00         0.17															
57.530         57.733         L.M.L. AUXILIARY LANE         1071.84         2.50         26.80         VAR.         1034.00         0.17         175.78         VAR.         1034.00         220.00         113.74           58.169         58.265         L.M.L. AUXILIARY LANE         506.88         2.50         12.67         VAR.         990.00         0.17         168.30         VAR.         990.00         220.00         108.90           60.064         60.282         L.M.L. AUXILIARY LANE         1151.04         2.50         28.78         VAR.         1129.00         0.17         191.93         VAR.         1129.00         220.00         124.19           60.748         60.854         L.M.L. AUXILIARY LANE         559.68         2.50         13.99         VAR.         1049.00         0.17         178.33         VAR.         1049.00         220.00         115.39           61.186         61.279         L.M.L. AUXILIARY LANE         612.48         2.50         15.31         VAR.         2127.00         0.17         162.18         VAR.         954.00         220.00         115.39           44.512         44.628         R.M.L. AUXILIARY LANE         612.48         2.50         15.31         VAR.         2127.00         0.17 </td <td></td>															
58.169         58.265         L.M.L. AUXILIARY LANE         506.88         2.50         12.67         VAR.         990.00         0.17         168.30         VAR.         990.00         220.00         108.90           60.064         60.282         L.M.L. AUXILIARY LANE         1151.04         2.50         28.78         VAR.         1129.00         0.17         191.93         VAR.         1129.00         220.00         124.19           60.748         60.854         L.M.L. AUXILIARY LANE         559.68         2.50         13.99         VAR.         1049.00         0.17         178.33         VAR.         1049.00         220.00         125.39           61.186         61.279         L.M.L. AUXILIARY LANE         491.04         2.50         12.28         VAR.         954.00         0.17         162.18         VAR.         954.00         220.00         104.94           44.512         44.628         R.M.L. AUXILIARY LANE         612.48         2.50         15.31         VAR.         2127.00         0.17         361.59         VAR.         2127.00         220.00         233.97           45.384         45.559         R.M.L. AUXILIARY LANE         924.00         2.50         23.10         VAR.         1033.00         0.17 <td></td>															
60.064 60.282 L.M.L. AUXILIARY LANE 1151.04 2.50 28.78 VAR. 1129.00 0.17 191.93 VAR. 1129.00 220.00 124.19 60.748 60.854 L.M.L. AUXILIARY LANE 559.68 2.50 13.99 VAR. 1049.00 0.17 178.33 VAR. 1049.00 220.00 115.39 61.186 61.279 L.M.L. AUXILIARY LANE 491.04 2.50 12.28 VAR. 954.00 0.17 162.18 VAR. 954.00 220.00 104.94 44.512 44.628 R.M.L. AUXILIARY LANE 924.00 2.50 15.31 VAR. 2127.00 0.17 175.61 VAR. 2127.00 220.00 233.97 45.384 45.559 R.M.L. AUXILIARY LANE 924.00 2.50 23.10 VAR. 1033.00 0.17 175.61 VAR. 1033.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARY LANE 92.64 2.50 9.50 VAR. 591.00 0.17 100.47 VAR. 591.00 220.00 65.01 53.105 53.293 R.M.L. AUXILIARY LANE 992.64 2.50 24.82 VAR. 964.00 0.17 163.88 VAR. 964.00 220.00 166.04 57.646 57.725 R.M.L. AUXILIARY LANE 417.12 2.50 10.43 VAR. 718.00 0.17 122.06 VAR. 718.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 1098.24 2.50 27.46 VAR. 1251.00 0.17 121.21 VAR. 713.00 220.00 137.61 60.156 60.272 R.M.L. AUXILIARY LANE 612.48 2.50 15.31 VAR. 713.00 0.17 121.21 VAR. 713.00 220.00 78.43 60.963 61.177 R.M.L. AUXILIARY LANE 1129.92 2.50 28.25 VAR. 2017.00 0.17 342.89 VAR. 2017.00 220.00 221.87 SUBTOTALS (BOX 1 OF 2):															
60.748 60.854 L.M.L. AUXILIARY LANE 612.48 2.50 13.99 VAR. 1049.00 0.17 178.33 VAR. 1049.00 220.00 115.39 61.186 61.279 L.M.L. AUXILIARY LANE 491.04 2.50 12.28 VAR. 954.00 0.17 162.18 VAR. 954.00 220.00 104.94 44.512 44.628 R.M.L. AUXILIARY LANE 924.00 2.50 15.31 VAR. 2127.00 0.17 361.59 VAR. 2127.00 220.00 233.97 45.384 45.559 R.M.L. AUXILIARY LANE 924.00 2.50 23.10 VAR. 1033.00 0.17 175.61 VAR. 1033.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARY LANE 380.16 2.50 9.50 VAR. 591.00 0.17 100.47 VAR. 591.00 220.00 65.01 53.105 53.293 R.M.L. AUXILIARY LANE 992.64 2.50 24.82 VAR. 964.00 0.17 163.88 VAR. 964.00 220.00 106.04 57.646 57.725 R.M.L. AUXILIARY LANE 417.12 2.50 10.43 VAR. 718.00 0.17 122.06 VAR. 718.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARY LANE 1098.24 2.50 27.46 VAR. 1251.00 0.17 212.67 VAR. 1251.00 220.00 137.61 60.156 60.272 R.M.L. AUXILIARY LANE 612.48 2.50 15.31 VAR. 713.00 0.17 121.21 VAR. 713.00 220.00 78.43 60.963 61.177 R.M.L. AUXILIARY LANE 1129.92 2.50 28.25 VAR. 2017.00 0.17 342.89 VAR. 2017.00 220.00 221.87 SUBTOTALS (BOX 1 OF 2):															
61.186 61.279 L.M.L. AUXILIARYLANE 491.04 2.50 12.28 VAR. 954.00 0.17 162.18 VAR. 954.00 220.00 104.94  44.512 44.628 R.M.L. AUXILIARYLANE 612.48 2.50 15.31 VAR. 2127.00 0.17 361.59 VAR. 2127.00 220.00 233.97  45.384 45.559 R.M.L. AUXILIARYLANE 924.00 2.50 23.10 VAR. 1033.00 0.17 175.61 VAR. 1033.00 220.00 113.63  52.507 52.579 R.M.L. AUXILIARYLANE 380.16 2.50 9.50 VAR. 551.00 0.17 100.47 VAR. 591.00 220.00 65.01  53.105 53.293 R.M.L. AUXILIARYLANE 992.64 2.50 24.82 VAR. 964.00 0.17 163.88 VAR. 964.00 220.00 106.04  57.646 57.725 R.M.L. AUXILIARYLANE 417.12 2.50 10.43 VAR. 718.00 0.17 122.06 VAR. 718.00 220.00 78.98  58.220 58.428 R.M.L. AUXILIARYLANE 1098.24 2.50 27.46 VAR. 1251.00 0.17 121.21 VAR. 1251.00 220.00 137.61  60.156 60.272 R.M.L. AUXILIARYLANE 612.48 2.50 15.31 VAR. 713.00 0.17 121.21 VAR. 713.00 220.00 78.43  60.963 61.177 R.M.L. AUXILIARYLANE 1129.92 2.50 28.25 VAR. 2017.00 0.17 342.89 VAR. 2017.00 220.00 221.87  SUBTOTALS (BOX 1 OF 2): 9768.01 902337.28 153397.32 902337.28 99257.10															
44.512 44.628 R.M.L. AUXILIARYLANE 612.48 2.50 15.31 VAR. 2127.00 0.17 361.59 VAR. 2127.00 220.00 233.97 45.384 45.559 R.M.L. AUXILIARYLANE 924.00 2.50 23.10 VAR. 1033.00 0.17 175.61 VAR. 1033.00 220.00 113.63 52.507 52.579 R.M.L. AUXILIARYLANE 380.16 2.50 9.50 VAR. 581.00 0.17 100.47 VAR. 591.00 220.00 65.01 53.105 53.293 R.M.L. AUXILIARYLANE 992.64 2.50 24.82 VAR. 984.00 0.17 163.88 VAR. 964.00 220.00 106.04 57.646 57.725 R.M.L. AUXILIARYLANE 417.12 2.50 10.43 VAR. 718.00 0.17 122.06 VAR. 718.00 220.00 78.98 58.220 58.428 R.M.L. AUXILIARYLANE 1098.24 2.50 27.46 VAR. 1251.00 0.17 121.67 VAR. 1251.00 220.00 137.61 60.156 60.272 R.M.L. AUXILIARYLANE 612.48 2.50 15.31 VAR. 713.00 0.17 121.21 VAR. 713.00 220.00 78.43 60.963 61.177 R.M.L. AUXILIARYLANE 1129.92 2.50 28.25 VAR. 2017.00 0.17 342.89 VAR. 2017.00 220.00 221.87 SUBTOTALS (BOX 1 OF 2):	1			1		l									
45.384       45.559       R.M.L. AUXILARYLANE       924.00       2.50       23.10       VAR.       1033.00       0.17       175.61       VAR.       1033.00       220.00       113.63         52.507       52.579       R.M.L. AUXILARYLANE       380.16       2.50       9.50       VAR.       591.00       0.17       100.47       VAR.       591.00       220.00       65.01         53.105       53.293       R.M.L. AUXILARYLANE       992.64       2.50       24.82       VAR.       964.00       0.17       163.88       VAR.       964.00       220.00       106.04         57.646       57.725       R.M.L. AUXILARYLANE       417.12       2.50       10.43       VAR.       718.00       0.17       122.06       VAR.       718.00       220.00       78.98         58.20       58.428       R.M.L. AUXILARYLANE       1098.24       2.50       27.46       VAR.       1251.00       0.17       212.67       VAR.       1251.00       220.00       137.61         60.156       60.272       R.M.L. AUXILARYLANE       612.48       2.50       15.31       VAR.       713.00       0.17       121.21       VAR.       713.00       220.00       78.43         60.963       61.177<	61.186	61.279	L.M.L. AUXILIARY LANE	491.04	2.50	12.28	VAR.	954.00	0.17	162.18	VAR.	954.00	220.00	104.94	
45.384       45.559       R.M.L. AUXILARYLANE       924.00       2.50       23.10       VAR.       1033.00       0.17       175.61       VAR.       1033.00       220.00       113.63         52.507       52.579       R.M.L. AUXILARYLANE       380.16       2.50       9.50       VAR.       591.00       0.17       100.47       VAR.       591.00       220.00       65.01         53.105       53.293       R.M.L. AUXILARYLANE       992.64       2.50       24.82       VAR.       964.00       0.17       163.88       VAR.       964.00       220.00       106.04         57.646       57.725       R.M.L. AUXILARYLANE       417.12       2.50       10.43       VAR.       718.00       0.17       122.06       VAR.       718.00       220.00       78.98         58.20       58.428       R.M.L. AUXILARYLANE       1098.24       2.50       27.46       VAR.       1251.00       0.17       212.67       VAR.       1251.00       220.00       137.61         60.156       60.272       R.M.L. AUXILARYLANE       612.48       2.50       15.31       VAR.       713.00       0.17       121.21       VAR.       713.00       220.00       78.43         60.963       61.177<				L											
52.507       52.579       R.M.L. AUXILIARYLANE       380.16       2.50       9.50       VAR.       591.00       0.17       100.47       VAR.       591.00       220.00       65.01         53.105       53.293       R.M.L. AUXILIARYLANE       992.64       2.50       24.82       VAR.       964.00       0.17       163.88       VAR.       964.00       220.00       106.04         57.646       57.725       R.M.L. AUXILIARYLANE       417.12       2.50       10.43       VAR.       718.00       0.17       122.06       VAR.       718.00       220.00       78.98         58.200       58.428       R.M.L. AUXILIARYLANE       1098.24       2.50       27.46       VAR.       1251.00       0.17       212.67       VAR.       1251.00       220.00       137.61         60.156       60.272       R.M.L. AUXILIARYLANE       612.48       2.50       15.31       VAR.       713.00       0.17       121.21       VAR.       713.00       220.00       78.43         60.963       61.177       R.M.L. AUXILIARYLANE       1129.92       2.50       28.25       VAR.       2017.00       0.17       342.89       VAR.       2017.00       220.00       221.87         SUBTOTALS															
53.105     53.293     R.M.L. AUXILARYLANE     992.64     2.50     24.82     VAR.     964.00     0.17     163.88     VAR.     964.00     220.00     106.04       57.646     57.725     R.M.L. AUXILARYLANE     417.12     2.50     10.43     VAR.     718.00     0.17     122.06     VAR.     718.00     220.00     78.98       58.220     58.428     R.M.L. AUXILARYLANE     1098.24     2.50     27.46     VAR.     1251.00     0.17     212.67     VAR.     1251.00     220.00     137.61       60.156     60.272     R.M.L. AUXILARYLANE     612.48     2.50     15.31     VAR.     713.00     0.17     121.21     VAR.     713.00     220.00     78.43       60.963     61.177     R.M.L. AUXILARYLANE     1129.92     2.50     28.25     VAR.     2017.00     0.17     342.89     VAR.     2017.00     220.00     221.87       SUBTOTALS (BOX 1 OF 2):     9768.01     902337.28     153397.32     902337.28     99237.28				+											
57.646         57.725         R.M.L. AUXILARYLANE         417.12         2.50         10.43         VAR.         718.00         0.17         122.06         VAR.         718.00         220.00         78.98           58.220         58.428         R.M.L. AUXILARYLANE         1098.24         2.50         27.46         VAR.         1251.00         0.17         212.67         VAR.         1251.00         220.00         137.61           60.156         60.272         R.M.L. AUXILARYLANE         612.48         2.50         15.31         VAR.         713.00         0.17         121.21         VAR.         713.00         220.00         78.43           60.963         61.177         R.M.L. AUXILARYLANE         1129.92         2.50         28.25         VAR.         2017.00         0.17         342.89         VAR.         2017.00         220.00         221.87           SUBTOTALS (BOX 1 OF 2):         9768.01         902337.28         153397.32         902337.28         99237.10	1			1		l									
58.220       58.428       R.M.L. AUXILARYLANE       1098.24       2.50       27.46       VAR.       1251.00       0.17       212.67       VAR.       1251.00       220.00       137.61         60.156       60.272       R.M.L. AUXILARYLANE       612.48       2.50       15.31       VAR.       713.00       0.17       121.21       VAR.       713.00       220.00       78.43         60.963       61.177       R.M.L. AUXILARYLANE       1129.92       2.50       28.25       VAR.       2017.00       0.17       342.89       VAR.       2017.00       220.00       221.87         SUBTOTALS (BOX 1 OF 2):       9768.01       902337.28       153397.32       902337.28       902337.28       99257.10															
60.156 60.272 R.M.L. AUXILIARYLANE 612.48 2.50 15.31 VAR. 713.00 0.17 121.21 VAR. 713.00 220.00 78.43 60.963 61.177 R.M.L. AUXILIARYLANE 1129.92 2.50 28.25 VAR. 2017.00 0.17 342.89 VAR. 2017.00 220.00 221.87 SUBTOTALS (BOX 1 OF 2): 9768.01 902337.28 153397.32 902337.28 99257.10															
60.963 61.177 R.M.L. AUXILIARYLANE 1129.92 2.50 28.25 VAR. 2017.00 0.17 342.89 VAR. 2017.00 220.00 221.87 SUBTOTALS (BOX 1 OF 2): 9768.01 902337.28 153397.32 902337.28 99257.10															
SUBTOTALS (BOX 1 OF 2): 9768.01 902337.28 153397.32 902337.28 99257.10															
	60.963	61.177	R.M.L. AUXILIARY LANE	1129.92	2.50	28.25	VAR.	2017.00	0.17	342.89	VAR.	2017.00	220.00	221.87	
		<u> </u>							ļ						
			OF 2):			9768.01		902337.28		153397.32		902337.28		99257.10	

BASIS OF ESTIMATE:

ACHM SURFACE COURSE (1/2").......94.5% MIN. AGGR............5.5% ASPHALT BINDER MAXIMUM NUMBER OF GYRATIONS = 205 FOR PG 76-22

TACK COAT QUANTITIES WERE CALCULATED USING THE EMULSIFIED ASPHALT RATES.
REFER TO SS-400-1 FOR THE RESIDUAL ASPHALT APPLICATION RATES.
\*LOG MILES BASED ON MAIN LANES

BASE AN	UD SHRE	ACING:	(ROY	2 OF	21

			LENGTH		ATE BASE (CLASS 7)		TACE	COAT		ACHI	M SURFACE	COURSE	E (1/2")
LOG MILE	LOG MILE	LOCATION		TON / STATION	TON	AVG. WID.	SQ.YD.	GALLONS /SQ.YD.	GALLON	AVG. WID.	SQ.YD.	POUND /	
<u> </u>	O DAMDO		FEET	.,	L .	FEET		,		FEET			TON
	9 RAMPS**		2410.00							25.55			
44.677	45.070	L.M.L. ENTRANCE RAMP	2442.00	5.00	122.10	25.00	6783.33	0.17	1153.17	25.00	6783.33	220.00	746.17
45.104	45.356	L.M.L. EXIT RAMP	1454.00	5.00	72.70	25.00	4038.89	0.17	686.61	25.00	4038.89	220.00	444.28
52.583	52.791	L.M.L. ENTRANCE RAMP	1265.00	5.00	63.25	25.00	3513.89	0.17	597.36	25.00	3513.89	220.00	386.53
52.823	53.228	L.M.L. EXIT RAMP	2368.00	5.00	118.40	25.00	6577.78	0.17	1118.22	25.00	6577.78	220.00	723.56
57.733	57.945	L.M.L. ENTRANCE RAMP	1180.00	5.00	59.00	25.00	3277.78	0.17	557.22	25.00	3277.78	220.00	360.56
57.987	58.169	L.M.L. EXIT RAMP	1086.00	5.00	54.30	25.00	3016.67	0.17	512.83	25.00	3016.67	220.00	331.83
60.282	60.481	L.M.L. ENTRANCE RAMP	1065.00	5.00	53.25	25.00	2958.33	0.17	502.92	25.00	2958.33	220.00	325.42
60.531	60.748	L.M.L. EXIT RAMP	1158.00	5.00	57.90	25.00	3216.67	0.17	546.83	25.00	3216.67	220.00	353.83
61.127	61.186	L.M.L. EXIT RAMP	314.00	5.00	15.70	25.00	872.22	0.17	148.28	25.00	872.22	220.00	95.94
44.628	45.057	R.M.L. EXIT RAMP	2099.00	5.00	104.95	25.00	5830.56	0.17	991.20	25.00	5830.56	220.00	641.36
45.096	45.384	R.M.L. ENTRANCE RAMP	1536.00	5.00	76.80	25.00	4266.67	0.17	725.33	25.00	4266.67	220.00	469.33
52.579	52.905	R.M.L. EXIT RAMP	1667.00	5.00	83.35	25.00	4630.56	0.17	787.20	25.00	4630.56	220.00	509.36
52.938	53.105	R.M.L. ENTRANCE RAMP	926.00	5.00	46.30	25.00	2572.22	0.17	437.28	25.00	2572.22	220.00	282.94
57.725	57.939	R.M.L. EXIT RAMP	1119.00	5.00	55.95	25.00	3108.33	0.17	528.42	25.00	3108.33	220.00	341.92
57.977	58.220	R.M.L. ENTRANCE RAMP	1372.00	5.00	68.60	25.00	3811.11	0.17	647.89	25.00	3811.11	220.00	419.22
60.272	60.604	R.M.L. EXIT RAMP	1856.00	5.00	92.80	25.00	5155.56	0.17	876.45	25.00	5155.56	220.00	567.11
60.829	60.963	R.M.L. ENTRANCE RAMP	749.00	5.00	37.45	25.00	2080.56	0.17	353.70	25.00	2080.56	220.00	228.86
A	DITIONAL	FOR LEVELING											
* ENTIRE	PROJECT	TO BE USED IF AND WHE	RE DIRECT	TED BY EN	GINEER								500.00
SUBTOTA	LS (BOX 2	OF 2):			1182.80		65711.13		11170.91		65711.13		7728.22
SUBTOTA	LS (BOX 1	OF 2):			9768.01		902337.28		153397.32		902337.28		99257.10
TOTALS:					10950.81		968048.41		164568.23		968048.41		106985.32
BASIS OF	BASIS OF ESTIMATE:												

ACHM SURFACE COURSE (1/2")......94.5% MIN. AGGR........5.5% ASPHALT BINDER MAXIMUM NUMBER OF GYRATIONS = 205 FOR PG 76-22

TACK COAT QUANTITIES WERE CALCULATED USING THE EMULSIFIED ASPHALT RATES. REFER TO SS-400-1 FOR THE RESIDUAL ASPHALT APPLICATION RATES.

\*\* LOG MILES BASED ON MAIN LANES

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

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FEO. ROAD 0151. NO.	STATE	FED. AID PROJ. NO.	\$4EE1	TOTAL SHEETS
	FILMED	HEVISED	1,2,20	6	ARK,			
				JOB N	0.	040883	21	22

DISTRICT 4 BRIDGES - QUANTITES - 66405

# SCHEDULE OF BRIDGE QUANTITIES - JOB NO. 040883

						SS & 804	SS & 804	SS & 809	SP JOB 040883	SP JOB 040883	
DISTRICT	COUNTY	ROUTE	SECTION	I-49 LOG MILE	BRIDGE NO.	REINFORCING STEEL - BRIDGE (GRADE 60)	EPOXY COATED REINFORCING STEEL - BRIDGE (GRADE 60)	SILICONE JOINT SEALANT	POLYMER OVERLAY	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS	
							LBS.	LBS.	LIN. FT.	SQ. YD.	SQ. FT.
		I-49	28	51.45	A6237 ①		1,496	81	3,912	1,760	
		I-49	28	51.45	B6237 ①		1,734	81	4,534	2,040	
		I-49	28	53.76	A6239 ①	465			1,214	546	
		I-49	28	53.76	B6239 ①	465			1,214	546	
		I-49	28	57.96	A6242 ①		269	81	703	316	
		I-49	28	57.95	B6242 ①		269	81	703	316	
		I-49	28	60.50	A6243 ①		408		1,067	480	
		I-49	28	60,56	B6243 ①		408		1,067	480	
		I-49	28	42.01	A6479 ①		2,664		6,963	3,134	
_	WASHINGTON	I-49	28	42.01	B6479 ①		2,664		6,963	3,134	
4	WASHINGTON	I-49	28	43.10	A6480 ①		1,817		4,750	2,138	
		I-49	28	43.10	B6480 ①		1,817		4,750	2,138	
		I-49	28	43.87	A6481 ①		2,390		6,249	2,812	
		I-49	28	43.87	B6481 ①		2,390		6,249	2,812	
		I-49	28	47.21	A6483 ①		502		1,312	590	
		I-49	28	47,21	B6483 ①		680		1,778	800	
		I-49	28	47.63	A6484 ①		2,244	81	5,867	2,640	
		I-49	28	47.65	B6484 ①		2,321	81	6,067	2,730	
		I-49	28	48.82	A6485 ①		1,428		3,734	1,680	
		I-49	28	48.82	B6485 ①		1,326	81	3,467	1,560	
				·							
		TOTALS FO	R JOB NO. 0	40833		930 ②	26,827 ②	567	72,563	32,652 ②	

Bridge No.	Existing Dwg. No(s).	Applicable Std. Dwg. No(s).
A6237	29843	55064
B6237	29842	55064
A6239	29231	
B6239	29231	
A6242	29018	55064
B6242	29018	55064
A6243	29583	
B6243	29583	
A6479	33985	
B6479	33985	
A6480	34033	
B6480	34033	
A6481	33288	
B6481	33288	
A6483	32962	
B6483	32963	
A6484	32983	55064
B6484	32984	55064
A6485	33008	
B6485	33009	55064



SCHEDULE OF BRIDGE QUANTITES I-49

WASHINGTON COUNTY

ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.

 DRAWN BY:
 CZP
 DATE:
 05/10/2023
 FILENAME:
 b040883\_q1.dgn

 CHECKED BY:
 RCF
 DATE:
 05/29/2023
 SCALE:
 None

 DESIGNED BY:
 RCF
 DATE:
 05/01/2023
 SCALE:
 None

BRIDGE NO. DISTRICT 4 BRIDGES DRAWING NO. 66405

① EXISTING BRIDGE DECKS DO NOT HAVE ASPHALT OVERLAYS.

② QUANTITY SHOWN IS FOR ESTIMATING AND BIDDING PURPOSED ONLY. ACTUAL QUANTITY, IF ANY, WILL BE DETERMINED IN THE FIELD.

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS	
10/13/2023		6	ARK.	040883	22	22	
-		SU	MMARY (	OF QUANTITIES A	ND REVIS	SIONS	

ARKANSAS

REGISTERED
PROFESSIGNAL
ENGINEER
No. 19605

No. 19605

Digitally signed by Thomas N.
Taegtmeyer
Date: 2023.10.13

# SUMMARY OF QUANTITIES

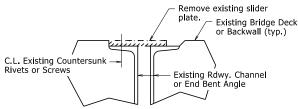
SS & 401   TACK COAT	ITEM NUMBER	ITEM	QUANTITY	UNIT
SP, SS, & 407	SP, SS, & 303	AGGREGATE BASE COURSE (CLASS 7)	10951	TON
SP, SS, & 407       ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")       5884       TT         SP       ULTRATHIN BONDED WEARING COURSE (3/4"-TYPE C)       93315       SQ.         SP & 412       COLD MILLING ASPHALT PAVEMENT       37029       SQ.         SP, SS, & 415       ACHM PATCHING OF EXISTING ROADWAY       200       TT         SP       SCAREYING CONCRETE PAVEMENT       200       TT         601       MOBILIZATION       1.00       LUMF         SP, SS, & 604       SKINS       1.100       LUMF         SS & 604       SIGNS       1189       SQ         SP, SS, & 604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         SS & 604       TRAFFIC DRUMS       569       EA         604       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         SS & 604       ADVANCE WARNING ARROW PANEL       26       D.         SP, SS, & 604       PORTRABLE CHANGEABLE MESSAGE SIGN       50       WE         SP, SS, & 601       PORTBALE CHANGEABLE MESSAGE SIGN       10       EA         SP, SS, & 604       PORTBALE CHANGEABLE MESSAGE SIGN       224552       LIN         SP, SS, & 604       PORTBALE CHANGEABLE GHANGEABLE MESSAGE SIGN       394604       LIN	SS & 401	TACK COAT	164568	GAL.
SP         ULTRATHIN BONDED WEARING COURSE (3/4*-TYPE C)         933315         SQ.           SP & 412         COLD MILLING ASPHALT PAVEMENT         37029         SQ.           SP, SS, & 4115         ACHM PATCHING OF EXISTING ROADWAY         200         TY           SP         SCARFYING CONCRETE PAVEMENT         34111         SQ.           601         MOBILIZATION         1.00         LUMB           SP, SS, & 803         MAINTENANCE OF TRAFFIC         1.00         LUMB           SP, SS, & 604         SIGNS         1189         SQ.           SP, SS, & 604         CONSTRUCTION PROJECT INFORWATION SIGN UPDATE         2         EA           SS & 604         TRAFFIC DRUMS         569         EA           604         CONSTRUCTION PAVEMENT MARKINGS         1102252         LIN           SS & 604         ADVANCE WARNING ARROW PANEL         250         D.           SP, SS, & 604         PORTABLE CHANGEABLE MESSAGE SIGN         50         WE           SP, SS, & 604         PORTABLE CHANGEABLE MESSAGE SIGN         50         WE           SP, SS, & 601         UNDERDRAIN WIDEO INSPECTION         1         EA           SP, SS, & 601         UNDERDRAIN WIDEO INSPECTION         2249552         LIN           SP         <	SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	101101	TÓN
SP & 412       COLD MILLING ASPHALT PAVEMENT       37029       SQ.         SP, SS, & 415       ACHM PATCHING OF EXISTING ROADWAY       200       TY         SP       SCARFYING CORNETE PAVEMENT       34111       SQ.         601       MOBILIZATION       1.00       LUMF         SP, SS, & 804       SIGNS       1.189       SQ.         SP, SS, & 604       SIGNS       1.189       SQ.         SP, SS, & 604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         604       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         SS & 604       ADVANCE WARNING ARROW PANEL       250       D.         SP, SS, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERORAIN VIDEO INSPECTION       244552       LIN         SP       FULSHING UNDERDRAIN       232952       LIN         SP       EINHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6°)       298953       LIN         SP       EINHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12°)       10295       LIN         721	SP, SS, & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	5884	TON
SP, \$S, \$ 415         ACHM PATCHING OF EXISTING ROADWAY         200         TX           SP         SCARIFYING CONCRETE PAVEMENT         34111         SQ           601         MOBILIZATION         1.00         LUMF           SP, \$S, \$603         MAINTENANCE OF TRAFFIC         1.00         LUMF           SP, \$S, \$604         SIGNS         1.189         SQ           SP, \$S, \$604         CONSTRUCTION PROJECT INFORMATION SIGN UPDATE         2         EA           SS \$604         TRAFFIC DRUMS         569         EA           604         CONSTRUCTION PAVEMENT MARKINGS         1102252         LIN           SS \$604         ADVANCE WARNING ARROW PANEL         250         D.           SP, \$S, \$604         PORTABLE CHANGEABLE MESSAGE SIGN         50         WE           SP, \$S, \$611         UNDERDRAIN VIDEO INSPECTION         1         EA           SP, \$S, \$611         UNDERDRAIN VIDEO INSPECTION         244552         LIN           \$P         FLUSHING UNDERDRAIN         232952         LIN           \$P         FLUSHING UNDERDRAIN         232952         LIN           \$P         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")         298953         LIN           \$P         ENHANCED THERMOPLASTIC PAVEMENT MARK	SP	ULTRATHIN BONDED WEARING COURSE (3/4"-TYPE C)	933315	SQ. YD.
SP       SCARIFYING CONCRETE PAVEMENT       34111       SQ.         601       MOBILIZATION       1.00       LUMF         SP, SS, & 603       MINITENANCE OF TRAFFIC       1.00       LUMF         SS, & 604       SIGNS       1189       SQ.         SP, SS, & 604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         604       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         8 S, & 604       ADVANCE WARNING ARROW PANEL       250       D.         SP, SS, & 604       PORTABLE CHARGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       EINHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       EINHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878 <td>SP &amp; 412</td> <td>COLD MILLING ASPHALT PAVEMENT</td> <td>37029</td> <td>SQ. YD.</td>	SP & 412	COLD MILLING ASPHALT PAVEMENT	37029	SQ. YD.
601   MOBILIZATION   1.00   LUMF	SP, SS, & 415	ACHM PATCHING OF EXISTING ROADWAY	200	TON
SP, SS, & 603       MAINTENANCE OF TRAFFIC       1.00       LUMF         SS & 604       SIGNS       1189       SQ         SP, SS, & 604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         SS & 604       TRAFFIC DRUMS       569       EA         604       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         SS & 604       ADVANCE WARRING ARROW PANEL       250       D.         SP, SS, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         3P       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PARAPET RAIL       20       LIN	SP	SCARIFYING CONCRETE PAVEMENT	34 <b>1</b> 11	SQ. YD.
SS & 604       SIGNS       1189       SQ         SP, SS, & 604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         604       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         SS & 604       ADVANCE WARNING ARROW PANEL       250       D.         SP, SS, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       228952       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       228953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       228953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       241878       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TG         SP       REPAR O	601	MOBILIZATION	1.00	LUMP SUM
SP, SS, & 604       CONSTRUCTION PROJECT INFORMATION SIGN UPDATE       2       EA         SS & 604       TRAFFIC DRUMS       569       EA         804       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         SS & 604       ADVANCE WARNING ARROW PANEL       250       D.         SP, SS, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       228953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       228953       LIN         3P       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       241878       LIN         3P       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TC         SP       REPAIR OF PARAP	SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604       TRAFFIC DRUMS       569       EA         604       CONSTRUCTION PAVEMENT MARKINGS       1102252       LIN         SS & 604       ADVANCE WARNING ARROW PANEL       250       DJ.         SP, SS, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TC         SP       SPALL REPAIR OF PARAPET RAIL       20       LIN         STRUCTURES OVER 20' SPAN         STRUCTURES OVER 20' SPAN         SS & 804       REINFORCING STEEL BRIDGE (GRADE 60) <td>SS &amp; 604</td> <td>SIGNS</td> <td>1189</td> <td>SQ. FT.</td>	SS & 604	SIGNS	1189	SQ. FT.
604   CONSTRUCTION PAVEMENT MARKINGS   1102252   LIN     SS & 604   ADVANCE WARNING ARROW PANEL   250   D.     SP, SS, & 604   PORTABLE CHANGEABLE MESSAGE SIGN   50   WE     SP   MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)   1   EA     SP, SS, & 611   UNDERDRAIN VIDEO INSPECTION   244552   LIN     SP   FLUSHING UNDERDRAIN   232952   LIN     642   RUMBLE STRIPS IN ASPHALT SHOULDERS   394604   LIN     SP   ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")   298953   LIN     SP   ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")   10295   LIN     SP   ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")   4307   EA     SP   SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT   450   TC     SP   SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT   450   TC     SP   REPAIR OF PARAPET RAIL   20   LIN     SS & 804   REINFORCING STEEL-BRIDGE (GRADE 60)   930   POI     SS & 804   EPOXY COATED REINFORCING STEEL (GRADE 60)   930   POI     SS & 809   SILICONE JOINT SEALANT   567   LIN     SP   BRIDGE DECK REPAIR FOR POLYMER OVERLAYS   32652   SQ.	SP, SS, & 604	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	2	EACH
SS & 604       ADVANCE WARNING ARROW PANEL       250       D.         SP, SS, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TC         SP       REPAIR OF PARAPET RAIL       20       LIN         STRUCTURES OVER 20' SPAN         STRUCTURES OVER 20' SPAN         SS & 804       REINFORCING STEEL-BRIDGE (GRADE 60)       930       POI         SS & 809       SILICONE JOINT SEALANT       567       LIN         SP BRIDGE DECK REPAIR FOR POLYMER OVERLAYS	SS & 604	TRAFFIC DRUMS	569	EACH
SP, \$5, & 604       PORTABLE CHANGEABLE MESSAGE SIGN       50       WE         SP       MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)       1       EA         SP, \$5, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TC         SP       REPAIR OF PARAPET RAIL       20       LIN         STRUCTURES OVER 20' SPAN         SS & 804       REINFORCING STEEL-BRIDGE (GRADE 60)       930       POI         SS & 804       EPOXY COATED REINFORCING STEEL (GRADE 60)       26827       POI         SS & 809       SILICONE JOINT SEALANT       567       LIN         SP       BRIDGE DECK REPAIR FOR POLYMER OVERLAYS       32652       SQ </td <td>604</td> <td>CONSTRUCTION PAVEMENT MARKINGS</td> <td>1102252</td> <td>LIN. FT.</td>	604	CONSTRUCTION PAVEMENT MARKINGS	1102252	LIN. FT.
SP         MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)         1         EA           SP, SS, & 611         UNDERDRAIN VIDEO INSPECTION         244552         LIN           SP         FLUSHING UNDERDRAIN         232952         LIN           642         RUMBLE STRIPS IN ASPHALT SHOULDERS         394604         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")         298953         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")         10295         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")         241878         LIN           721         RAISED PAVEMENT MARKERS (TYPE II)         4307         EA           SP         SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT         450         T           SP         REPAIR OF PARAPET RAIL         20         LIN           STRUCTURES OVER 20' SPAN           STRUCTURES OVER 20' SPAN           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POI           SS & 804         POXY COATED REINFORCING STEEL (GRADE 60)         26827         POI           SS & 809         SILICONE JOINT SEALANT         567         LIN <tr< td=""><td>SS &amp; 604</td><td>ADVANCE WARNING ARROW PANEL</td><td>250</td><td>DAY</td></tr<>	SS & 604	ADVANCE WARNING ARROW PANEL	250	DAY
SP, SS, & 611       UNDERDRAIN VIDEO INSPECTION       244552       LIN         SP       FLUSHING UNDERDRAIN       232952       LIN         642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TO         SP       REPAIR OF PARAPET RAIL       20       LIN         STRUCTURES OVER 20' SPAN         STRUCTURES OVER 20' SPAN         SS & 804       REINFORCING STEEL-BRIDGE (GRADE 60)       930       POI         SS & 804       EPOXY COATED REINFORCING STEEL (GRADE 60)       26827       POI         SS & 809       SILCONE JOINT SEALANT       567       LIN         SP       BRIDGE DECK REPAIR FOR POLYMER OVERLAYS       32652       SQ	SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	50	WEEK
SP         FLUSHING UNDERDRAIN         232952         LIN           642         RUMBLE STRIPS IN ASPHALT SHOULDERS         394604         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")         298953         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")         10295         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")         241878         LIN           721         RAISED PAVEMENT MARKERS (TYPE II)         4307         EA           SP         SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT         450         TO           SP         REPAIR OF PARAPET RAIL         20         LIN           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POL           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POL           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	SP	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)	1	EACH
642       RUMBLE STRIPS IN ASPHALT SHOULDERS       394604       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")       298953       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")       10295       LIN         SP       ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")       241878       LIN         721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TO         SP       REPAIR OF PARAPET RAIL       20       LIN         STRUCTURES OVER 20' SPAN         SS & 804       REINFORCING STEEL-BRIDGE (GRADE 60)       930       POL         SS & 804       EPOXY COATED REINFORCING STEEL (GRADE 60)       26827       POL         SS & 809       SILICONE JOINT SEALANT       567       LIN         SP       BRIDGE DECK REPAIR FOR POLYMER OVERLAYS       32652       SQ	SP, SS, & 611	UNDERDRAIN VIDEO INSPECTION	244552	LIN. FT.
SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")         298953         LIN.           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")         10295         LIN.           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")         241878         LIN.           721         RAISED PAVEMENT MARKERS (TYPE II)         4307         EA           SP         SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT         450         TO           SP         REPAIR OF PARAPET RAIL         20         LIN.           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POI.           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POI.           SS & 809         SILICONE JOINT SEALANT         567         LIN.           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ.	SP	FLUSHING UNDERDRAIN	232952	LIN. FT.
SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")         10295         LIN           SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")         241878         LIN           721         RAISED PAVEMENT MARKERS (TYPE II)         4307         EA           SP         SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT         450         TO           SP         REPAIR OF PARAPET RAIL         20         LIN           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POI           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POI           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	642	RUMBLE STRIPS IN ASPHALT SHOULDERS	394604	LIN. FT.
SP         ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")         241878         LIN           721         RAISED PAVEMENT MARKERS (TYPE II)         4307         EA           SP         SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT         450         TO           SP         REPAIR OF PARAPET RAIL         20         LIN           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POI           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POI           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	298953	LIN. FT.
721       RAISED PAVEMENT MARKERS (TYPE II)       4307       EA         SP       SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT       450       TO         SP       REPAIR OF PARAPET RAIL       20       LIN         STRUCTURES OVER 20' SPAN         SS & 804       REINFORCING STEEL-BRIDGE (GRADE 60)       930       POI         SS & 804       EPOXY COATED REINFORCING STEEL (GRADE 60)       26827       POI         SS & 809       SILICONE JOINT SEALANT       567       LIN         SP       BRIDGE DECK REPAIR FOR POLYMER OVERLAYS       32652       SQ			10295	LIN. FT.
SP         SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT         450         TC           SP         REPAIR OF PARAPET RAIL         20         LIN           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POI           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POI           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	241878	LIN. FT.
SP         REPAIR OF PARAPET RAIL         20         LIN           STRUCTURES OVER 20' SPAN           SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POI           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POI           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	721	RAISED PAVEMENT MARKERS (TYPE II)	4307	EACH
STRUCTURES OVER 20' SPAN   S\$ & 804   REINFORCING STEEL-BRIDGE (GRADE 60)   930   POL	ŞP	SPALL REPAIR OF PORTLAND CEMENT CONCRETE PAVEMENT	450	TON
SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POL           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POL           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	SP	REPAIR OF PARAPET RAIL	20	LIN. FT.
SS & 804         REINFORCING STEEL-BRIDGE (GRADE 60)         930         POL           SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POL           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ				
SS & 804         EPOXY COATED REINFORCING STEEL (GRADE 60)         26827         POL           SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ		STRUCTURES OVER 20' SPAN		
SS & 809         SILICONE JOINT SEALANT         567         LIN           SP         BRIDGE DECK REPAIR FOR POLYMER OVERLAYS         32652         SQ	SS & 804	REINFORCING STEEL-BRIDGE (GRADE 60)	930	POUND
SP BRIDGE DECK REPAIR FOR POLYMER OVERLAYS 32652 SQ	SS & 804	EPOXY COATED REINFORCING STEEL (GRADE 60)	26827	POUND
	SS & 809	SILICONE JOINT SEALANT	567	LIN. FT.
SP POLYMER OVERLAY 72563 SQ.	SP	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS	32652	SQ. FT.
	SP	POLYMER OVERLAY	72563	SQ. YD.

# REVISIONS

DATE	REVISION	SHEET NUMBER
10/13/2023	GOVERNING SPECIFICATIONS WERE REVISED TO REMOVE FHWA-1273 - SUPPLEMENT - TRANING PROGRAM - 040883	4, 22

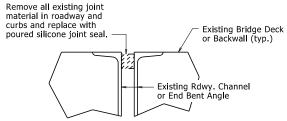
#### REMOVAL DETAILS AT EXISTING SLIDER PLATE JOINTS

At the direction of the Engineer, the portion of existing slider plate shown shall be removed and replaced with a new plate as shown in "SLIDER PLATE JOINT MODIFICATION". The portion of existing slider plate shall be removed and disposed of in accordance with Section 821. The cut face shall be ground square and flush with the face of the existing angle or channel. Removal and disposal of existing slider plate material will not be pald for directly, but shall be considered subsidiary to the item "Silicone Joint Sealant". Properly functioning slider plates need not be modified.



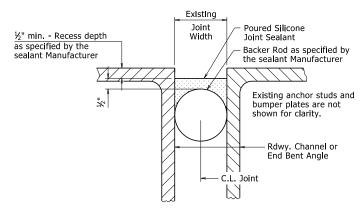
#### REMOVAL DETAILS AT EXISTING SLIDER PLATE JOINTS WITH GRADE RAISE

The existing slider plate shown shall be removed and replaced with new plates as shown in "JOINT MODIFICATION WITH GRADE RAISE". The existing slider plate shall be removed and disposed of in accordance with Section 821. Removal and disposal of existing slider plate material will not be paid for directly, but shall be considered subsidiary to the item "silicone Joint Sealant".



#### REMOVAL DETAILS AT EXISTING FILLED JOINTS

The existing joint material shall be removed and disposed of in accordance with Section 821. Removal and disposal of existing joint material will not be pald for directly, but shall be considered subsidiary to the Item "Silicone Joint Sealant".



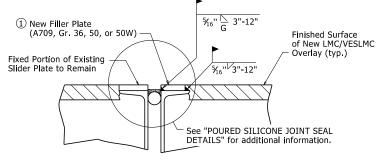
# POURED SILICONE JOINT SEAL DETAILS

Existing Joint Seal shall be completely removed, backer rods placed, and Silicone Joint Sealant installed across the entire width of the bridge deck in accordance with these details, Section 809, and the Manufacturer's recommendations. Removal of existing Joint Seal will not be pald for directly, but shall be considered incidental to the item "Silicone Joint Sealant".

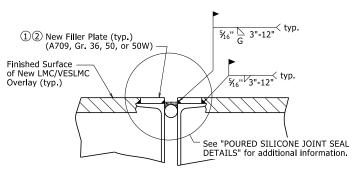
Backer rods shall be extended beyond the length of the poured joint in the initial joint repair area so that the two pieces can be properly spliced together prior to installing sealant for the adjacent joint repair. Manufacturer's recommendations shall be followed to prevent sealant leakage during repair work.

Backer rods shall be appropriately sized and set to the depth shown in the Manufacturer's literature based on the joint width at the time of sealing. Except as noted, do not install more backer rod than can be sealed in the same day. The Contractor shall verify separation of the backer rod from the joint material after joint material has set.

Backer rod shall be notched or otherwise fit around any existing seal supports or bumper plates to maintain its proper depth as defined above.



# SLIDER PLATE JOINT MODIFICATION

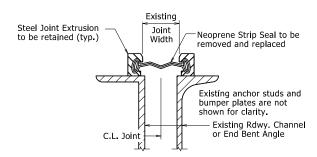


# JOINT MODIFICATION WITH GRADE RAISE

① New field attached plates atop existing roadway channels or angles are required. The plate thickness shall be adjusted as necessary to match surface of finished surface of LMC/VESLMC Overlay and the width shall be ¾" less than the existing channel flange or angle width to allow for fillet weld as shown.

All new Structural Steel shall be ASTM A709 (Gr. 36, 50, or 50W). The surfaces not in contact with concrete shall be cleaned and painted in accordance with Section 638. Only one coat of paint is required and shall be applied in the fabricator's shop. Grade 50W steel shall not be painted, but shall be cleaned in accordance with Subsection 807.84(e). Structural Steel and Painting will not be paid for directly, but shall be subsidiary to the item "Silicone Joint Sealant".

② Details shown are for an expansion joint where two bridge units meet. Eliminate filler plate on backwall and proceed with backwall repair in accordance with "BACKWALL REPAIR REMOVAL DETAIL" and "BACKWALL REPAIR INSTALLATION DETAIL" at end bents for bridge decks with grade raise, see Standard Drawling Number 55065.



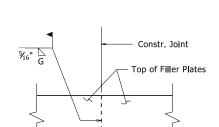
### STRIP SEAL JOINT DETAILS

Existing neoprene strip seal joint material shall be completely removed and new neoprene strip seal joint material shall be installed across the entire width of the steel extrusions in accordance with these details, Section 809, and the Manufacturer's recommendations. Prior to installing the new joint material, the Contractor shall clean the steel extrusion at the Engineer's direction and in accordance with the new strip seal joint material Manufacturer's recommendations.

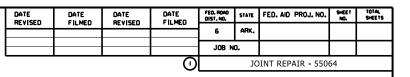
Removal and replacement of the existing neoprene strip seal joint material will require the removal of the parapet slider plates, where present. Parapet slider plates removed for this work shall be reinstalled after installation of the new neoprene strip seal joint material.

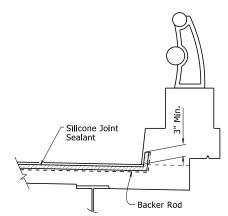
The new neoprene strip seal joint material shall provide a movement rating of four inches. The repaired expansion joint shall be capable of sealing the deck surface and parapet area to prevent moisture and other contaminants from descending through the joint.

All work and material associated with removing the existing joint material, cleaning the extrusions, removal and reinstallation of parapet slider plates, and installation of new joint material shall be paid for under the item "Modification of Existing Bridge Structure (Bridge No. \_)".



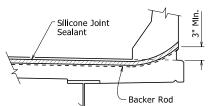
#### PLAN VIEW OF FILLER PLATE



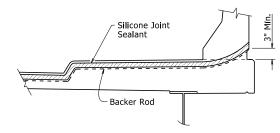


#### SILICONE JOINT SEAL PLACEMENT AT CURB

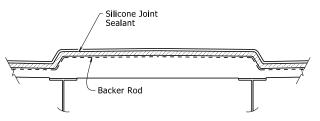
Vertical joints may require forming. The clearance from deck surface to joint material shall be maintained.



### SILICONE JOINT SEAL PLACEMENT AT RAIL



# SILICONE JOINT SEAL PLACEMENT AT SIDEWALK



#### SILICONE JOINT SEAL PLACEMENT AT MEDIAN



This document was originally issued and sealed by Charles R. Ellis, PE No. 9235, on November 7, 2019. This copy is not a signed and sealed document.

# STANDARD DETAILS FOR JOINT REPAIRS & MODIFICATIONS

# ARKANSAS STATE HIGHWAY COMMISSION

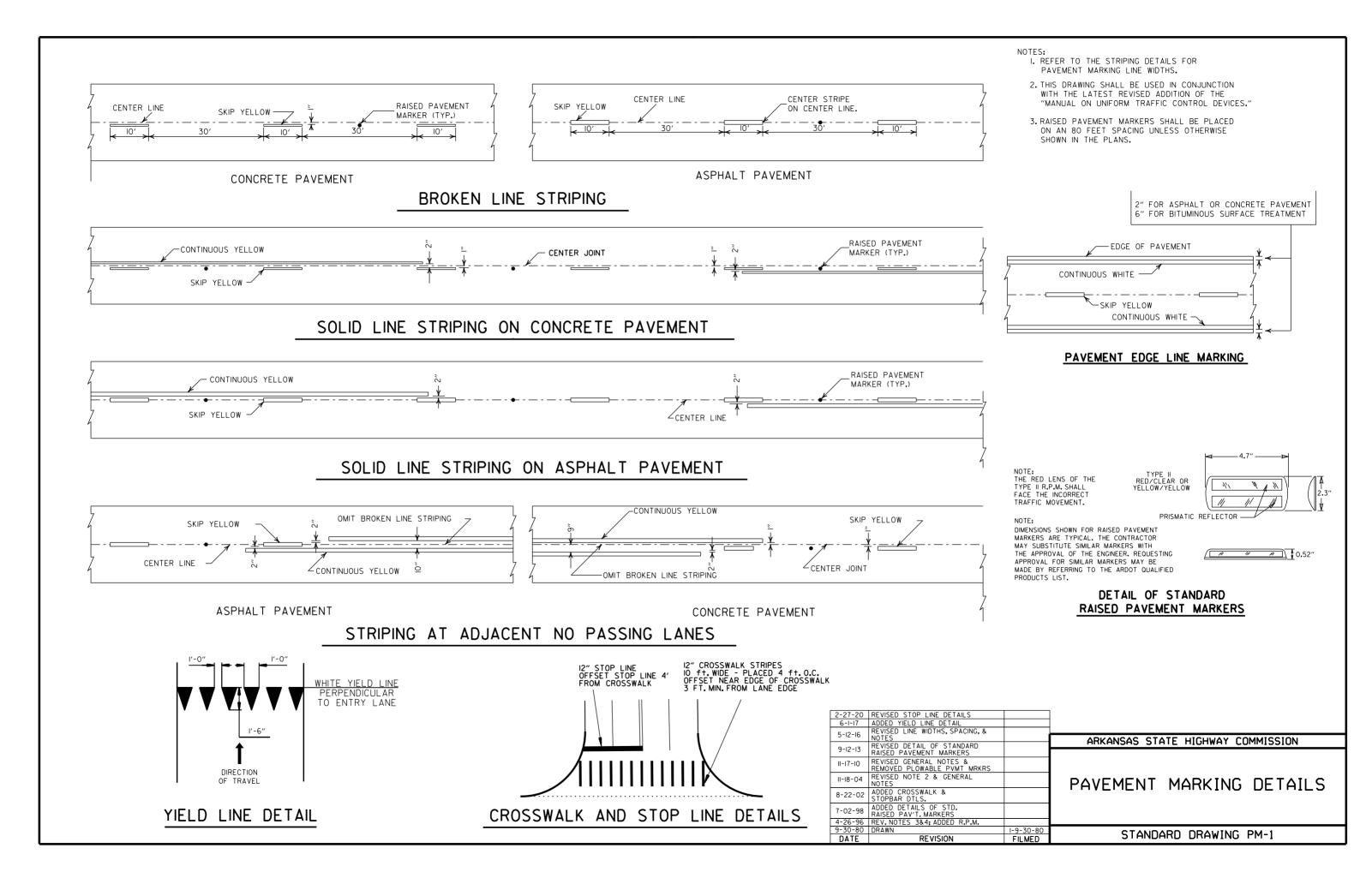
LITTLE ROCK, ARK.

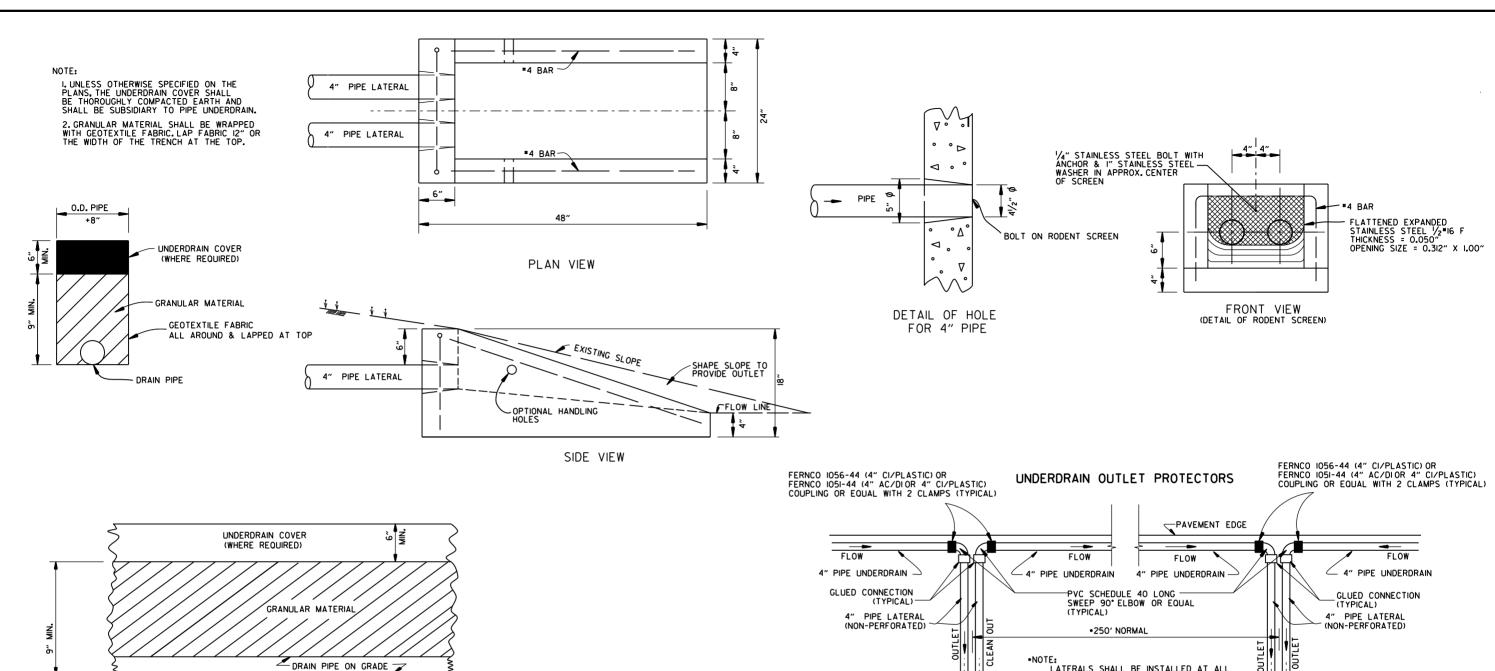
 DRAWN BY:
 KWY
 DATE:
 11/7/2019
 FILENAME:
 b55064.dgn

 CHECKED BY:
 SWP
 DATE:
 11/7/2019
 SCALE:
 None

 DESIGNED BY:
 STD.
 DATE:
 ----- SCALE:
 None

DRAWING NO. 55064





DETAILS OF PIPE UNDERDRAIN

#### NOTES FOR PIPE UNDERDRAINS

I. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF SECTION 625 FOR TYPE I. PAYMENT FOR GEOTEXTILE FABRIC AND GRANULAR FILTER MATERIAL SHALL BE INCLUDED IN THE PRICE BID PER LIN. FT. FOR "4" PIPE UNDERDRAINS" IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

2.4" NON-PERFORATED SCHEDULE 40 PVC PIPE LATERALS WITH OUTLET PROTECTORS SHALL BE INSTALLED AS SHOWN HEREON, LATERALS WILL BE MEASURED AND PAID FOR AS "4" PIPE UNDERDRAINS." UNDERDRAIN OUTLET PROTECTORS WILL BE MEASURED AND PAID FOR BY THE UNIT IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

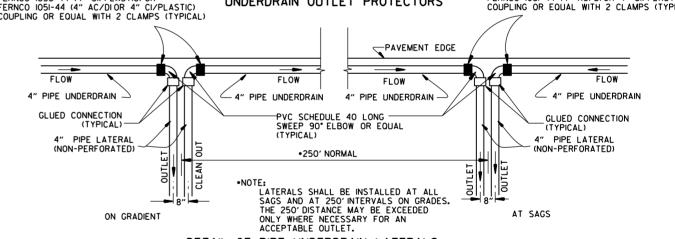
3. EXISTING 4" PIPE UNDERDRAINS MAY BE CONNECTED TO PROPOSED DROP INLETS OR EXTENDED WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR CONNECTING TO DROP INLETS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "4" PIPE UNDERDRAINS."

4. THE LOCATION OF ALL LATERALS SHALL BE MARKED WITH 4" X 12" PERMANENT PAVEMENT MARKING TAPE (TYPE III WHITE) AT THE OUTSIDE EDGE OF THE SHOULDER, PLACED TRANSVERSE TO TRAFFIC. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.

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

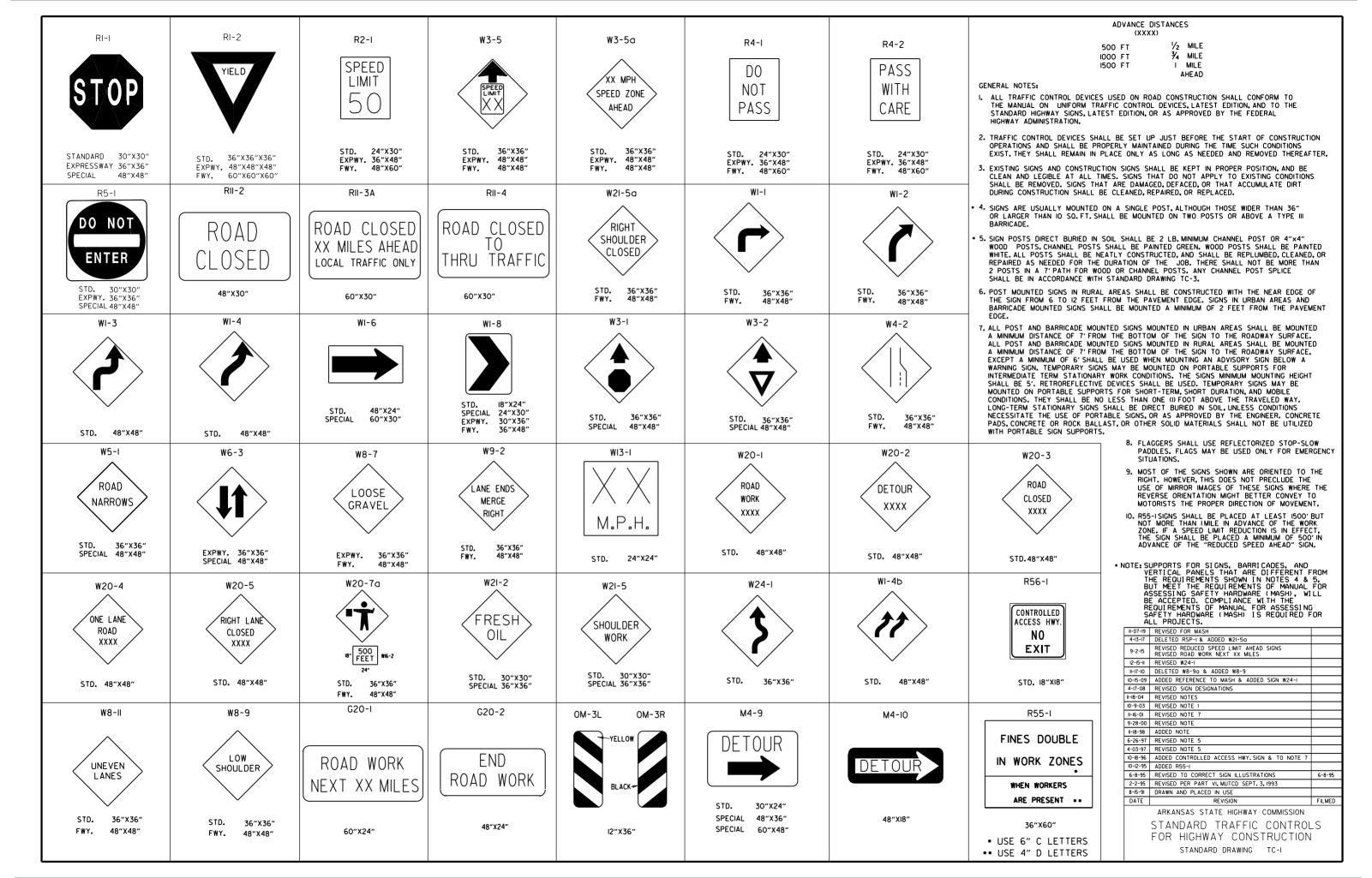
6. ANY EXISTING UNDERDRAINS THAT INTERFERE WITH INSTALLATION OF THE NEW UNDERDRAIN SYSTEM SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER, PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS. EXISTING UNDERDRAIN OUTLET PROTECTORS SHALL BE REMOVED UNDER THE ITEM "REMOVAL AND DISPOSAL OF UNDERDRAIN OUTLET PROTECTORS."

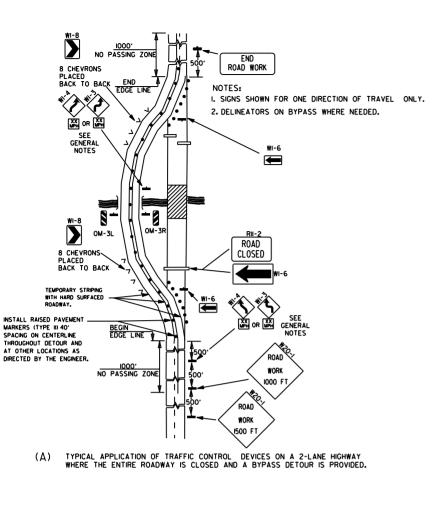
7. AT LOCATIONS WHERE A SINGLE LATERAL IS USED THE CONTRACTOR SHALL HAVE THE FOLLOWING OPTIONS: I, INSTALL OUTLET PROTECTOR AS SHOWN ON STANDARD DRAWING PU-I AND GROUT THE UNUSED HOLE OR 2. INSTALL AN OUTLET PROTECTOR WITH A SINGLE HOLE.

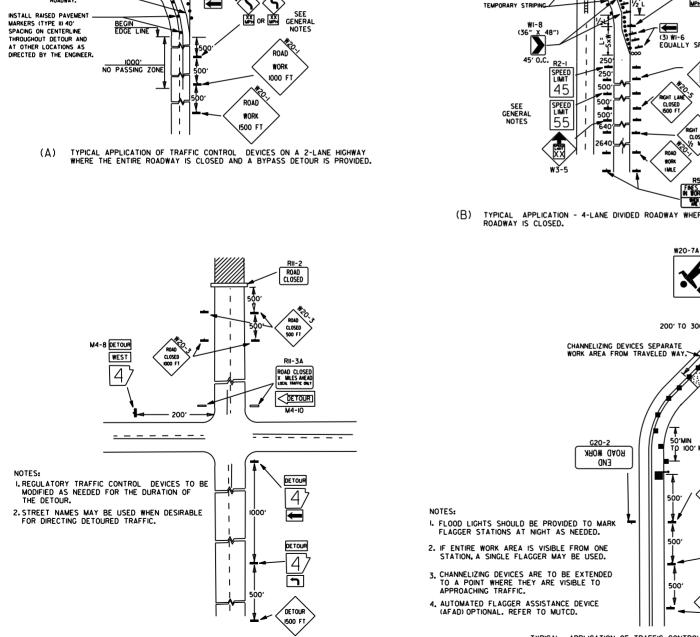


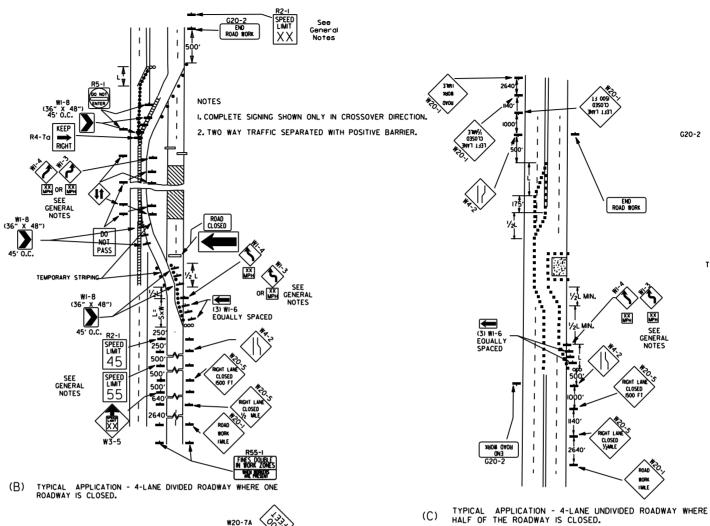
DETAIL OF PIPE UNDERDRAIN LATERALS WHEN PLACED ALONG PAVEMENT EDGE NOTE: PVC PIPE FOR LATERALS SHALL MEET THE REQUIREMENTS OF ASTM D 1785 (LATEST REVISION) FOR SCHEDULE 40 PIPE.

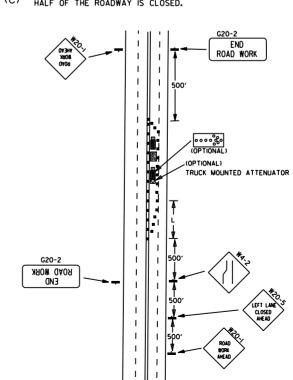
12-8-16	ADDED NOTES FOR PIPE UNDERDRAINS, REVISED RODENT SCREEN DETAIL AND NOTES, REMOVED NOTE IFOR GRANULAR MATERIAL, ADDED NOTE FOR GEOTEXTILE FABRIC		
4-10-03	REVISED NOTE 3		
1-12-00	REVISED DETAIL OF UNDERDRAIN LATERALS		
11-18-98	REVISED NOTE		
10-18-96	REVISED MIN. DEPTH & GEOTEXTILE FABRIC		
4-26-96	ADDED LATERAL NOTE; 51/2" TO 5"		
II-22-95	REVISED LATERALS		
7-20-95	REVISED LATERALS & ADDED NOTE		ADVANCAC CTATE HICHWAY COMMICCION
II- 3-94	REVISED FOR DUAL LATERALS	II- 3-94	ARKANSAS STATE HIGHWAY COMMISSION
10- 1-92	SUBSTITUTED GEOTEXTILE	10- 1-92	
8-15-91	ADDED POLYEDTHYLENE PIPE	8-15-91	DETAIL 6 OF DIDE LINDEDDDAIN
II- 8-90	DELETED ALTERNATE NOTE	II- 8-90	DETAILS OF PIPE UNDERDRAIN
1-25-90	ADDED 4" SNAP ADAPTER	1-25-90	
11-30-89	DEL. (SUBGRADE); ADDED (WHERE REQUIRED)	II-30-89	
7-15-88	ISSUED P.L.M.	647-7-15-88	STANDARD DRAWING PU-I
DATE	REVISION	DATE FILMED	3.1











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

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:

FLAGGER

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 R2-145) 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

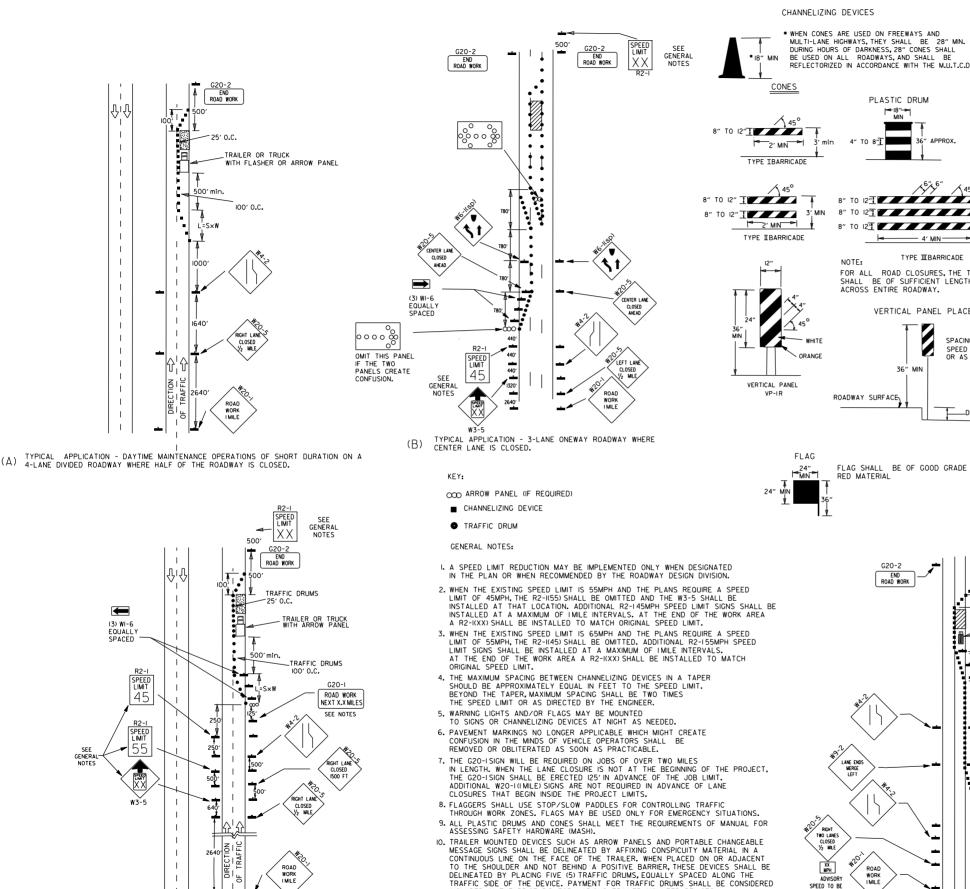
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-2

TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.

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



TYPICAL APPLICATION - CONSTRUCTION OPERATIONS OF INTERMEDIATE TO LONG TERM

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

INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.

MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

II. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE

#### NON-INTERSTATE VERTICAL LOCATION DIFFERENTIA ≤ 45 MPH > 45 MPH ≤1" CENTERLINE W8-11 W8-11 V8-11 AND CENTERLINE LAN V8-11 AND CENTERLINE LAN STRIPING STRIPING CENTERLINE STANDARD LANE CLOSUR STANDARD LANE CLOSURE EDGE OF TRAVELED LAN W8-9 AND TRAFFIC DRUMS W8-9 AND TRAFFIC DRUMS OR EDGE OF SHOULDER EDGE OF TRAVELED LANE W8-17, EDGE LINE STRIPING W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1) AND TRAFFIC DRUMS(1) OR EDGE OF SHOULDER W8-17, EDGE LINE STRIPING W8-17, EDGE LINE STRIPING EDGE OF TRAVELED LANE > 6" OR EDGE OF SHOULDER AND TRAFFIC DRUMS(1) AND TRAFFIC DRUMS(2) A STABILIZED WEDGE, W8-1 EDGE OF TRAVELED LANE W8-17, EDGE LINE STRIPING EDGE LINE STRIPING AND ≤ 24" OR EDGE OF SHOULDER AND TRAFFIC DRUMS(1 TRAFFIC DRUMS(3) EDGE OF TRAVELED LANE PRECAST CONCRETE PRECAST CONCRETE > 24" OR EDGE OF SHOULDER BARRIER(4) & EDGE LINES BARRIER(4) & EDGE LINES

TRAFFIC CONTROL DEVICES

			GE				
INTERSTATE							
VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL					
≤ 3"	CENTERLINE	W8-11 AND LANE STRIPING	_				
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS <sup>(?)</sup>	2.				
> 3"	EDGE OF TRAVELED LANE	W8-17, EDGE LINE STRIPING,	3.				
≤ 6"	OR EDGE OF SHOULDER	AND TRAFFIC DRUMS <sup>(2)</sup>					
> 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER & EDGE LINES	4.				

INTERSTATE AND NON-INTERSTATE

HEIGHT

≤ 5 FT

> 5 FT

FORESLOP

Flatter than 2:1

PLASTIC DRUM

8" TO 12"

ACROSS ENTIRE ROADWAY.

FLAG SHALL BE OF GOOD GRADE

NOTF:

TYPE III BARRICADE

VERTICAL PANEL PLACEMENT

FOR ALL ROAD CLOSURES, THE TYPE III BARRICADES SHALL BE OF SUFFICIENT LENGTH TO EXTEND

SPACING = 2 X POSTED

OR AS NOTED ON PLANS

DROP OFF > 3"

SPEED LIMIT

GENERAL NOTES:

. 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 VERTICAL PANELS SHALL BE USED.

2. WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED.

3. PRECAST CONCRETE BARRIER WALL CAN BE USED IN LIEU OF A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS.

TOP SLOW PADDLE

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, W21-50, 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 FOITUND)

HIGHWAY CONSTRUCTION (CURRENT EDITION).

STANDARD TRAFFIC CONTROLS

FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING

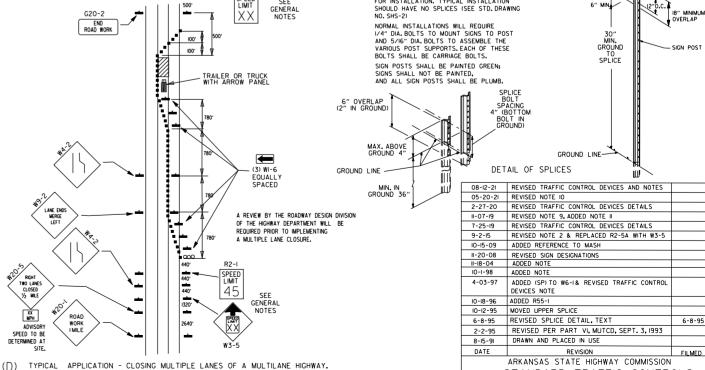
FRONT BACK TRAVELED WAY \_ \_ STABILIZED WEDGE 6" SERIES "C" IB" STOP (SLOW) COLORS LEGEND-WHITE (REFL) BACKGROUND-RED (REFL) LEGEND-BLACK BACKGROUND-ORANGE (REFL) AREA OUTSIDE DIAMOND-BLACK POST SHALL NOT EXTEND ABOVE SIGN STABILIZED WEDGE NOTE: MATERIALS FOR THE STABILIZED WEDGE SHALL MEET THE REQUIREMENTS 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)

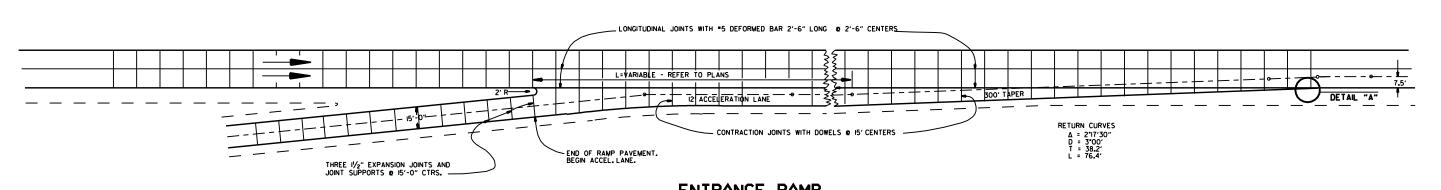
TRAFFIC CONTROL

TRAFFIC DRIIMS

PRECAST CONCRETE BARRIE

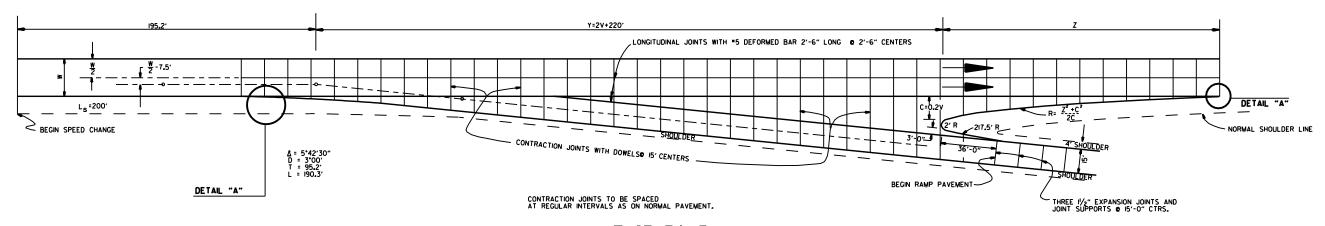
TRAFFIC DRUMS





# ENTRANCE RAMP

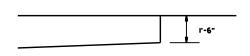
NOTE: JOINT SPACING ON THE MAIN LANES SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO THESE JOINT LAYOUTS. THE MAIN LANE JOINT SPACING MAY BE REDUCED TO A 12' MINIMUM.



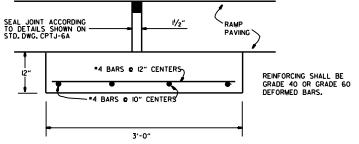
EXIT RAMP

# **EXIT RAMP**

DESIGN SPEED V	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	21 0, 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.

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

# ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF STANDARD TURNOUT FOR

ENTRANCE & EXIT RAMPS (NON-REINFORCED)

STANDARD DRAWING TR-IA