

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
406201-01	MAILBOX TURNOUT	701336-07	LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
701006-05	OFF-RD OPERATIONS 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE	701901-10	TRAFFIC CONTROL DEVICES
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS	780001-05	TYPICAL PAVEMENT MARKINGS
701306-04	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH	BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

DESIGN SPEED	55 MPH
CURRENT ADT	950 VPD
DESIGN ADT (20 YEAR)	1150 VPD

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SURFACE COURSE, TYPE B	1.8 T / CU YD
AGGREGATE SHOULDERS TYPE B	1.8 T / CU YD
HOT-MIX ASPHALT	112 LBS / SQ YD * INCH
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS / SQ FT
RIPRIP	1.8 TONS / CU YD

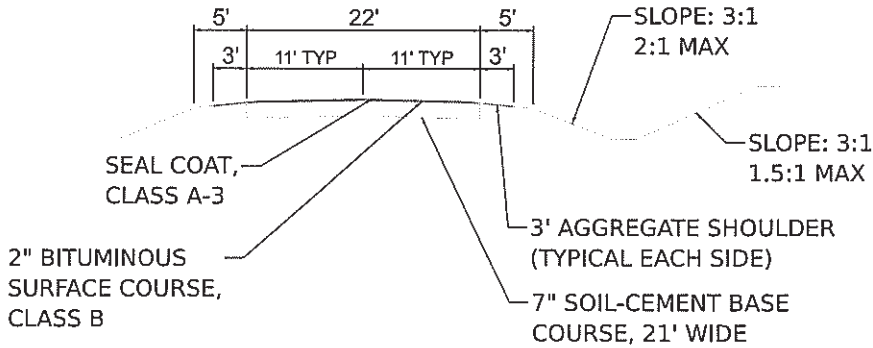
HOT-MIX ASPHALT MIXTURES SHALL BE PG64-22 ASPHALT AND ACCORDING TO THE TABLE BELOW.

LOCATIONS	MIXTURE USE	PG	DESIGN AIR Voids	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM
MAINLINE	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA
MAINLINE	HMA BINDER COURSE, IL-9.5FG, N70 (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	QC/QA
INCIDENTAL	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (3")	PG 64-22	4.0% @ N=70	IL - 9.5FG	MIXTURE C	N70	QC/QA

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	10
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	541
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	43922 40309
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	938 861
40600990	TEMPORARY RAMP	SQ YD	93 86.0
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	5940 5444
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	5621 5173
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	226
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1777
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4819
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	804
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	61297
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

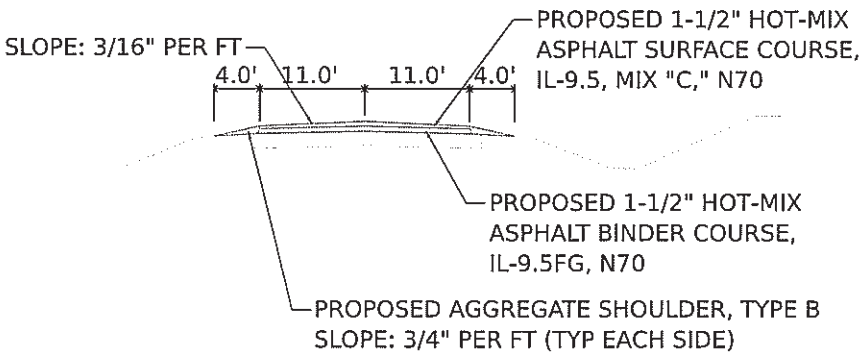
TYPICAL CROSS SECTION
EXISTING

STA 00+00 TO STA 257+33.30



TYPICAL CROSS SECTION
PROPOSED

STA 00+00 TO STA 257+33.3



* SPECIALTY ITEM

1 REV. - LTH
REVISED 12-18-2025

HAMPTON, LENZINI AND RENWICK, INC. 303 W 3RD STREET MT. CARROLL, ILLINOIS 62453 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. COMP. 104.000259	USER NAME = damett		DESIGNED = LH	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS, SUMMARY OF QUANTITES, AND GENERAL NOTES					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 49.9999' / in.		DRAWN = LH	REVISED =							800	21-00072-00-R5	EDWARDS	10	2
	PLOT DATE = 1/31/2024		CHECKED =	REVISED =							CONTRACT NO. 95982				
			DATE = 5/1/2024	REVISED =							ILLINOIS FED. AID PROJECT				
SCALE:						SHEET 1	OF 1	SHEETS	STA.	TO STA.					

START STA	END STA	LOCATION	OMISSION (FT)	LENGTH (FT)	WIDTH (FT)	VOLUME (CU YD)	QUANTITY (TON)
MAINLINE							
0+0.00	38+39.60	RT		3839.6	4.0	71.2	141.0
53+34.08	68+05.84	RT		1471.8	4.0	27.3	54.1
69+57.63	100+66.40	RT		3108.8	4.0	57.6	114.1
101+41.30	153+82.50	RT		5241.2	4.0	97.1	192.3
154+66.40	206+69.60	RT		5203.2	4.0	96.4	190.9
207+28.70	233+41.20	RT		2612.5	4.0	48.4	95.9
233+80.40	257+33.30	RT		2352.9	4.0	43.6	86.4
0+0.00	17+96.50	LT		1796.5	4.0	33.3	66.0
18+40.70	38+39.60	LT		1998.9	4.0	37.1	73.5
53+34.08	61+05.00	LT		770.9	4.0	14.3	28.4
62+07.70	68+05.84	LT		598.1	4.0	11.1	22.0
69+57.63	100+66.80	LT		3109.2	4.0	57.6	114.1
101+35.20	153+83.50	LT		5248.3	4.0	97.2	192.5
154+58.10	206+69.50	LT		5211.4	4.0	96.6	191.3
207+24.10	257+33.30	LT		5009.2	4.0	92.8	183.8
MAINLINE TOTAL:							1747.0
START STA	END STA	LOCATION	OMISSION (FT)	LENGTH (FT)	WIDTH (FT)	VOLUME (CU YD)	QUANTITY (TON)
INTERSECTIONS							
100+66.40	101+41.30	RT		96.0	4.0	1.8	3.6
153+82.50	154+66.40	RT		89.0	4.0	1.7	3.4
206+69.60	207+28.70	RT		73.0	4.0	1.4	2.8
233+41.20	233+80.40	RT		80.0	5.0	1.5	3.0
17+96.50	18+40.70	LT		83.0	4.0	1.6	3.2
61+05.00	62+07.70	LT		110.0	4.0	2.1	4.2
100+66.80	101+35.20	LT		99.0	4.0	1.9	3.8
153+83.50	154+58.10	LT		78.0	4.0	1.5	3.0
206+69.50	207+24.10	LT		70.0	4.0	1.3	2.6
INTERSECTION TOTAL:							30.0
AGGREGATE SHOULDERS TOTAL:							1777.0

TEMPORARY RAMP				
STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	TEMPORARY RAMP (SQ YD)
0+0.00	AR	5	24 22	13.3 12.2
0+50.00	AR	5	24 22	13.3 12.2
38+39.60	AR	5	24 22	13.3 12.2
53+34.08	AR	5	24 22	13.3 12.2
68+05.84	AR	5	24 22	13.3 12.2
69+57.63	AR	5	24 22	13.3 12.2
257+33.30	AR	5	24 22	13.3 12.2
TOTAL				93.0 86.0

BUTT JOINTS						1
STATION BEGIN	STATION END	LOCATION	LENGTH	WIDTH	SURFACE REMOVAL	
			(FT)	(FT)	(SQ YD)	
MAINLINE						
0+0.00	0+50.00	AR	50	24 22	134.0	123.0
37+89.60	38+39.60	AR	50	24 22	134.0	123.0
53+34.08	53+84.08	AR	50	24 22	134.0	123.0
67+55.84	68+05.84	AR	50	24 22	134.0	123.0
69+57.63	70+07.63	AR	50	24 22	134.0	123.0
256+83.30	257+33.30	AR	50	24 22	134.0	123.0
INTERSECTIONS						
206+69.50	207+24.10	LT	VARIABLE	VARIABLE	134.00	123.0
TOTAL						938.0 861.0

REV. - LTH

HOT-MIX ASPHALT
SURFACE COURSE
MAINLINE SCHEDULE

START STA	END STA	OMISSION (FT)	LENGTH (FT)	LOCATION	WIDTH (FT)	THICKNESS (IN)	AREA (SY)	QUANTITY (TON)
0+0.00	38+39.60	0.00	3839.60	RT	12.00 11.0	1.500	5120.00	431.0
0+0.00	38+39.60	0.00	3839.60	LT	12.00 11.0	1.500	5120.00	431.0
53+34.08	68+05.84	0.00	1471.76	RT	12.00 11.0	1.500	1963.00	165.0
53+34.08	68+05.84	0.00	1471.76	LT	12.00 11.0	1.500	1963.00	165.0
69+57.63	257+33.30	0.00	18775.67	RT	12.00 11.0	1.500	25035.00	2103.0
69+57.63	257+33.30	0.00	18775.67	LT	12.00 11.0	1.500	25035.00	2103.0
TOTAL								5398.0

4950.0

HMA SURFACE COURSE, IL-9.5, MIX "C", N70	
ITEM	TONS
MAINLINE	5398.00
SIDEROAD AREAS	223.00
TOTAL	5621.00

REV. - LTH

HOT-MIX ASPHALT SIDEROADS SCHEDULE

THICKNESS =	3	IN
WEIGHT CONSTANT =	112	LBS/SY/IN
UNIT WT =	0.075	TON/CF

START STA	END STA	LOCATION	AREA (SF)	VOLUME (CF)	QUANTITY (TON)
17+96.50	18+40.70	LT	940.00	235.00	20.00
61+05.00	62+07.70	LT	2260.00	565.00	47.00
100+66.80	101+35.20	LT	1535.00	384.00	32.00
100+66.40	101+41.30	RT	1270.00	318.00	27.00
153+83.50	154+58.10	LT	1297.00	325.00	27.00
153+82.50	154+66.40	RT	1309.00	328.00	27.00
206+69.50	207+24.10	LT	976.00	244.00	21.00
206+69.60	207+28.70	RT	1050.00	263.00	22.00
TOTAL					223.0

MISCELLANEOUS DETAILS AND SCHEDULES

INCIDENTAL HOT MIX ASPHALT RESURFACING	
ITEM	TONS
MALLBOX TURNOUTS, FIELD/PRIVATE ENTRANCES	226.00
TOTAL	226.00

HLR