

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	24N-1	McHENRY	82	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
CONTRACT# 62296				

SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000-2A				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	34	34				
20101200	TREE ROOT PRUNING	EACH	18	18				
28000300	TEMPORARY DITCH CHECKS	EACH	30	30				
28000510	INLET FILTERS	EACH	35	35				
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2				
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	12	12				
60603300	GUTTER OUTLET	EACH	3	3				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	125	125				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	47	47				
* 89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1	1				
* A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7				
M2011000	TEMPORARY FENCE	METER	200	200				
* M2011700	SUPPLEMENTAL WATERING	UNIT	96	96				
M2020010	EARTH EXCAVATION	CU M	7857	7857				
M2020050	EARTH EXCAVATION (WIDENING)	CU M	2603	2603				
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	3472	3472				
M2040800	FURNISHED EXCAVATION	CU M	7302	7302				
M2080150	TRENCH BACKFILL	CU M	318	318				
* M2113100	TOPSOIL FURNISH AND PLACE, 100MM	SQ M	13450	13450				
* M2500210	SEEDING, CLASS 2A	HA	0.38	0.38				
* M2500400	NITROGEN FERTILIZER NUTRIENT	KG	95	95				
* M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	95	95				
* M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	95	95				
* M2510630	EROSION CONTROL BLANKET	SQ M	3787	3787				
* M2520110	SODDING, SALT TOLERANT	SQ M	9660	9660				

SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000-2A				
M2800400	PERIMETER EROSION BARRIER	METER	2240	2240				
M2810105	STONE RIPRAP, CLASS A3	SQ M	24	24				
M2820200	FILTER FABRIC	SQ M	24	24				
M3550450	HOT-MIX ASPHALT BASE COURSE, 150MM	SQ M	285	285				
M3550500	HOT-MIX ASPHALT BASE COURSE, 200MM	SQ M	290	290				
M3560570	HOT-MIX ASPHALT BASE COURSE WIDENING, 270MM	SQ M	660	660				
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	6	6				
M4060300	AGGREGATE (PRIME COAT)	M TON	29	29				
M4060400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	M TON	5	5				
M4060895	CONSTRUCTING TEST STRIP	EACH	2	2				
M4060982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ M	41	41				
M4063080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	M TON	3750	3750				
M4063310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	M TON	75	75				
M4063395	HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	M TON	1600	1600				
M4205200	PROTECTIVE COAT	SQ M	320	320				
M4400720	HOT-MIX ASPHALT SURFACE REMOVAL, 20MM	SQ M	4450	4450				
M4402000	PAVEMENT REMOVAL	SQ M	3939	3939				
M4402010	DRIVEWAY PAVEMENT REMOVAL	SQ M	480	480				
M4430020	STRIP REFLECTIVE CRACK CONTROL TREATMENT	METER	1250	1250				
M4812200	AGGREGATE SHOULDERS, TYPE B 200MM	SQ M	815	815				
M4820620	HOT-MIX ASPHALT SHOULDERS, 220MM	SQ M	1100	1100				
M4820720	HOT-MIX ASPHALT SHOULDERS, 320MM	SQ M	1922	1922				
M5429910	CONCRETE COLLAR	CU M	0.2	0.2				
M542E116	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 375MM	EACH	7	7				
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 450MM	EACH	13	13				
M542E628	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 600MM	EACH	2	2				

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

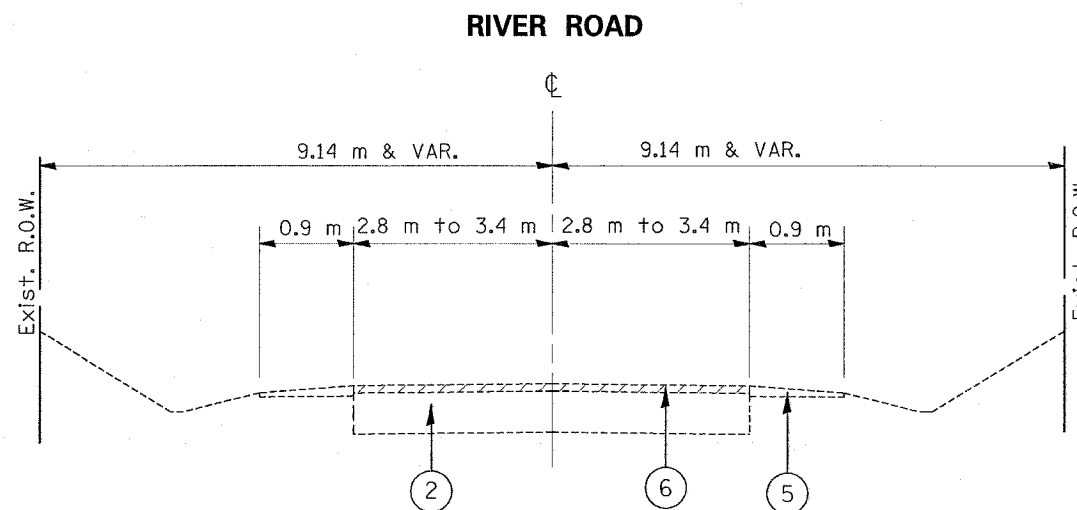
* SPECIALTY ITEMS Δ Rev. 5-30-08 Rev.

2/13/2008

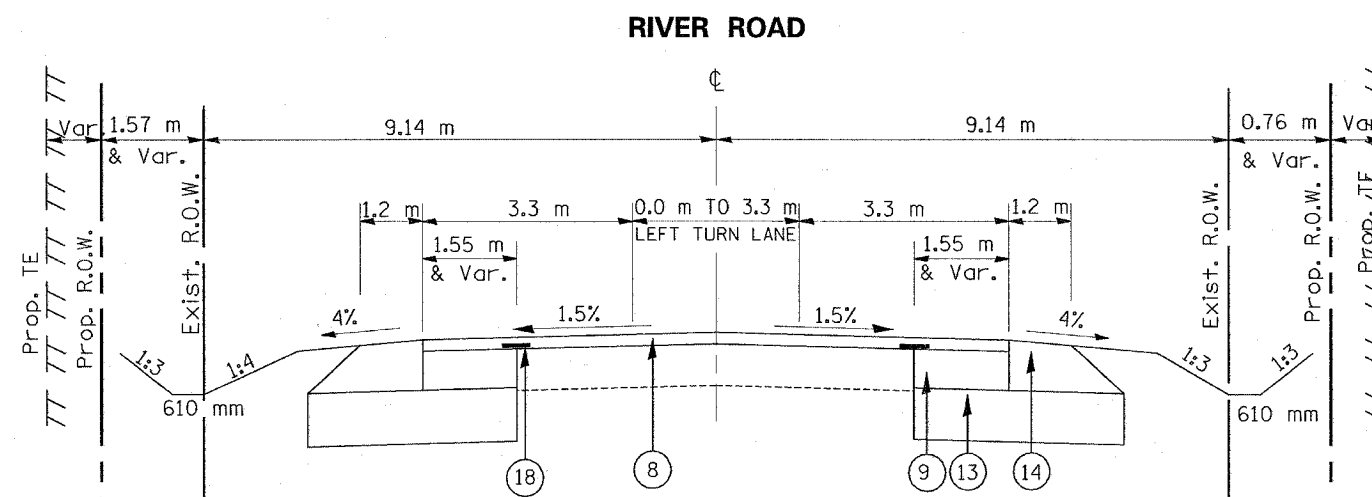
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	24N-1	McHENRY	82	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

- ① EXISTING HMA SURFACE 146 MM - 197 MM (5.75" - 7.75")
- ② EXISTING HMA SURFACE 108 MM - 171 MM (4.25" - 6.75")
- ③ EXISTING P.C.C. PAVEMENT 159 MM (6.25")
- ④ EXISTING BASE COURSE WIDENING 229 MM (9")
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ PROPOSED HMA SURFACE REMOVAL, 20 MM (3/4")
- ⑦ PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED HMA SURFACE COURSE, MIX "F", N90, 50 MM (2")
- ⑨ PROPOSED HMA BASE COURSE WIDENING, 165 MM (6 1/2")
- ⑩ PROPOSED HMA BASE COURSE WIDENING, 270 MM (10 1/2")
- ⑪ PROPOSED HMA BINDER COURSE, IL-19, N50, 165 MM (6 1/2")
- ⑫ PROPOSED HMA BINDER COURSE, IL-19, N50, 270 MM (10 1/2")
- ⑬ PROPOSED AGGREGATE SUBGRADE, 300 MM (12")
- ⑭ PROPOSED HMA SHOULDERS, 220 MM (8 1/2")
- ⑮ PROPOSED HMA SHOULDERS, 320 MM (12 1/2")
- ⑯ PROPOSED AGGREGATE SHOULDERS, TYPE B, 200 MM (8")
- ⑰ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE M-10.30 (M-4.12)
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT



EXISTING TYPICAL SECTION
Sta. 4+635 to Sta 4+775
Sta. 4+925 to Sta 5+100



PROPOSED TYPICAL SECTION
Sta. 4+635 to Sta 4+775
Sta. 4+925 to Sta 5+100

HMA MIXTURE REQUIREMENTS

MIXTURE USE	AC TYPE	AIR VOIDS (%)
PAVEMENT WIDENING & RESURFACING		
HMA SURFACE COURSE, MIX "F", N90, 50 MM (IL-9.5 MM)	SBS/SBR PG 70-22	4% @ 90 GYR.
HMA BASE COURSE WIDENING, 165 MM & 270 MM	PG 64-22 *	4% @ 50 GYR.
PAVEMENT RECONSTRUCTION		
HMA SURFACE COURSE, MIX "F", N90, 50 MM (IL-9.5 MM)	SBS/SBR PG 70-22	4% @ 90 GYR.
HMA BINDER COURSE, IL-19, N50, 165 MM & 270 MM	PG 64-22 *	4% @ 50 GYR.
TEMPORARY PAVEMENT		
HMA SURFACE COURSE, MIX "D", N50, 50 MM (IL-9.5 MM)	PG 64-22	4% @ 50 GYR.
TEMPORARY PAVEMENT, 200 MM (HMA BINDER IL-19)	PG 64-22 *	4% @ 50 GYR.
DRIVEWAYS		
HMA SURFACE COURSE, MIX "C", N50, 50 MM (IL-9.5 MM) COMMERCIAL	PG 64-22	4% @ 50 GYR.
HMA BASE COURSE, 150 & 200 MM (HMA BINDER IL-19 MM) RESIDENTIAL	PG 64-22 *	4% @ 50 GYR.
SHOULDER		
HMA SHOULDER, 220 MM & 320 MM	PG 64-22 *	2% @ 30 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SY.IN
* WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

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ILLINOIS DEPARTMENT OF TRANSPORTATION
**IL-23 AT RIVER RD.
TYPICAL SECTIONS**
SCALE: NONE
DATE 5/27/2008
DRAWN BY
CHECKED BY

REV. Δ 5/30/2008