

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-1-B	McHENRY	77	2
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS

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- 21-22 PAVEMENT MARKING AND EROSION CONTROL PLANS
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- 55-64 DISTRICT ONE DETAIL SHEETS (SEE INDEX THIS SHEET)
- 65-77 CROSS SECTIONS

**ILLINOIS ROUTE 176
DISTRICT ONE STANDARDS LIST**

- BD-01 DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB/EDGE OF SHOULDER >= 4.5m (15')
- BD-02 DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 4.5m (15')
- BD-22 PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT
- BD-32 BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS
- BD-34 DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPECIAL
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-FLOW RESISTANT)
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-21 TYPICAL MARKING FOR CLOSING STATE HIGHWAYS
- TC-22 TEMPORARY INFORMATION SIGNING

STATE STANDARDS

STD. NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
406201	MAILBOX TURNOUT
420401-05	BRIDGE APPROACH PAVEMENT
442201-02	CLASS C AND D PATCHES
482001-01	HOT MIX ASPHALT SHOULDER DETAILS - ADJACENT TO FLEXIBLE PAVEMENT
482011-02	HOT MIX ASPHALT SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-02	NAME PLATE FOR BRIDGES
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION FOR 600 MM (24") THRU 1300 MM (54") PIPE
542401	METAL END SECTION FOR PIPE CULVERTS
542406	METAL END SECTION FOR PIPE ARCHES
601101	CONCRETE HEADWALL FOR PIPE DRAIN
602401-01	MANHOLE, TYPE A
602406-02	MANHOLE, TYPE A, 1800mm (72") DIAMETER
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-07	STEEL PLATE BEAM GUARDRAIL
630101-07	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630201-04	PCC/HOT MIX ASPHALT STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
631031-06	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701001-01	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') MIN AWAY
701006-02	OFF ROAD OPERATIONS, 2L 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-01	OFF ROAD MOVING OPERATIONS, 2L 2W, DAY ONLY
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION), (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH (80KM/H) OR LESS AND 1 INCH (25mm) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
5. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
6. DURING CONSTRUCTION, AGGREGATE SURFACE COURSE TYPE B WILL ALSO BE USED TO PROVIDE TEMPORARY RAMPS AT INTERSECTIONS, BUILDING ENTRANCES, AND AS DETERMINED BY THE ENGINEER FOR PEDESTRIAN MOVEMENT.
7. ACCESS SHALL BE PROVIDED AT ALL TIMES TO PROPERTIES ABUTTING THE PROPOSED IMPROVEMENT.
8. THE RESIDENT ENGINEER SHALL CONTACT DEBBIE HANLON AREA TRAFFIC FIELD TECHNICIAN AT 847 438-2300 TWO WEEKS PRIOR TO INSTALLING FINAL PAVEMENT MARKINGS.
9. A QUANTITY OF POROUS GRANULAR EMBANKMENT, SUBGRADE (50 CY) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (120 SY) HAS BEEN INCLUDED IN THE PLANS FOR USE FOR EXISTING SOIL CONDITIONS PRIOR TO BUILDING ANY EMBANKMENT. THE QUANTITY PROVIDED IS AN ESTIMATE AND THE ACTUAL DEPTH AND EXTENT OF SUBGRADE TREATMENT WILL BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE ENGINEER OR SOILS INSPECTOR.

COMMITMENTS

1. IT IS ANTICIPATED THAT THIS CONSTRUCTION WILL TAKE ONE CONSTRUCTION SEASON APPROXIMATELY NINE MONTHS. McHENRY COUNTY REQUESTS THAT THE DETOUR DURATION BE KEPT TO A MINIMUM. McHENRY COUNTY ALSO REQUESTS THAT NOTIFICATION BE PROVIDED AT A MINIMUM TWO WEEKS IN ADVANCE OF ANY DETOUR POSTING
2. McHENRY COUNTY REQUIRES THAT ALL EMERGENCY SERVICES IN THE AREA SHALL BE NOTIFIED IN WRITING AT LEAST 72 HOURS PRIOR TO THE CLOSURE OF ILLINOIS ROUTE 176

HOT MIX ASPHALT MIXTURE REQUIREMENTS				
OPERATION	ITEM	AC TYPE	VOIDS	MIX TYPE
ROADWAY RECONSTRUCT. (FULL-DEPTH)	2" HOT MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5mm, N50	PG 64-22	4% @ 50 GYR	SAME AS ITEM
	11" HOT MIX ASPHALT BINDER COURSE, IL-19.0mm, N50	PG 64-22*	4% @ 50 GYR	SAME AS ITEM
ROADWAY RESURFACING	2" HOT MIX ASPHALT SURFACE COURSE, IL 9.5mm, MIX "D", N50	PG 64-22	4% @ 50 GYR	SAME AS ITEM
	LEVELING BINDER (MACHINE METHOD), IL-9.5mm, N50, 1" & VAR	PG 64-22*	4% @ 50 GYR	SAME AS ITEM
HOT-MIX ASPHALT DRIVEWAY PAVEMENT	2" HOT MIX ASPHALT SURFACE COURSE, IL 9.5mm, MIX "C", N50	PG 64-22	4% @ 50 GYR	SAME AS ITEM
	HOT MIX ASPHALT BASE COURSE, 6" (PE) OR 8"(CE)	PG 64-22*	4% @ 50 GYR	BINDER IL 19.0mm
HOT-MIX ASPHALT SHOULDER	HOT MIX ASPHALT SHOULDER, 8"	PG 64-22*	2% @ 30 GYR	HOT MIX SHOULDER
PAVEMENT PATCHING	CLASS D PATCHES, 9" TYPE I, II, III, IV	PG 64-22*	4% @ 70 GYR	BINDER IL-19.0mm
	HOT MIX ASPHALT REPLACEMENT OVER PATCHES 2"	PG 64-22*	4% @ 70 GYR	BINDER IL-19.0mm
TEMPORARY RAMP	TEMPORARY RAMP THICKNESS VARIES	PG 64-22*	4% @ 70 GYR	BINDER IL-9.5mm

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE COURSES IS 112LBS/SQ YD/INCH
 • WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 176 OVER THE SOUTH BRANCH OF THE KISHWAUKEE RIVER INDEX OF DRAWINGS, HIGHWAY STANDARDS GENERAL NOTES & COMMITMENTS DRAWN BY: WS CHECKED BY: RJS DATE: 6-04-07
NAME	DATE	