

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	(133,134)RS-4, 135RS-5	ST. CLAIR, MONROE	252	2
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

# GENERAL NOTES

- ① SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- ② EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- ③ ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
• AMEREN IP (GAS & ELECTRIC)	X	X
• CHARTER COMMUNICATIONS, INC.	X	X
• CITY OF COLUMBIA (WATER & SANITARY SEWER)		X
• HARRISONVILLE TELEPHONE CO.	X	X
• ILLINOIS AMERICAN WATER COMPANY		X
• VILLAGE OF MILLSTADT (WATER & SANITARY SEWER)		X
• MONROE COUNTY ELECTRIC CO-OPERATIVE, INC.	X	X
• AT&T ILLINOIS	X	X
• VERIZON NORTH, INC.	X	X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY \*. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ④ THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ⑤ "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. (48" x 48")
- ⑥ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAP 809 (IL 158)
SECTION	(133,134)RS-4, 135RS-5
COUNTY	ST. CLAIR/MONROE
CONTRACT	76994

DESCRIPTION	IL 158 FROM 0.7 MILES EAST OF IL 3 STRUCTURE AT COLUMBIA TO M&O STATION ROAD
-------------	--

ADT (Construction Yr):	9200
MU%:	3
SU%:	5
20YR. ESAL'S:	2.14

MIXTURE USE	SURFACE	LEVEL BINDER	BINDER/BASE CRS	INCIDENTAL SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	15%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSTITION				
(GRADATION MIXTURE)				
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "D"

MIXTURE USE	SHOULDERS	TOP LIFT SHLDRS
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	30%	30%
DESIGN AIR VOIDS	2.0% @ Ndes=30	**2.0% @ Ndes=30
MIX COMPOSTITION		
(GRADATION MIXTURE)		
FRICITION AGG	BAM	BAM

\*\* Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.  
Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/ln (59.8 kg/sq m/25 mm thickness).

- ⑦ FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ⑧ ALL TRAFFIC CONTROL DEVICES SHALL BE SKID MOUNTED
- ⑨ EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTS.
- ⑩ THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ⑪ PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE.
- ⑫ THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- ⑬ IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH SUITABLE MATERIAL AS APPROVED BY THE ENGINEER. THE REMOVAL WILL BE PAID FOR AS "UNSUITABLE MATERIAL" AND THE REPLACEMENT WILL BE PAID FOR AS "POROUS GRANULAR EMBANKMENT".
- ⑭ THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- ⑮ ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- ⑯ ALL EXISTING AND PROPOSED RIGHT-OF-WAY AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- ⑰ NO SLOPE CORRECTION CONSIDERED IN HMA QUANTITIES. PLACEMENT OF HMA MATERIALS SHOULD MATCH THE MILLED SURFACE AS CLOSE AS POSSIBLE.
- ⑱ NO VIBRATORY ROLLERS SHALL BE UTILIZED FROM STA. 140+00 TO STA. 250+00.
- ⑲ THE MILLING OF THE EXISTING PCC PATCHES SHALL BE INCLUDED IN THE HMA SURFACE REMOVAL 1 3/4". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ⑳ THE EXISTING EDGE OF PAVEMENT (APPROXIMATELY 9' FROM CENTERLINE) IS SEVERLY DETERIORATED AND MAY REQUIRE HMA PREPARATION PRIOR TO THE PLACEMENT OF STRIP REFLECTIVE CRACK CONTROL PLACEMENT. THIS WORK SHALL BE INCLUDED IN THE SRCTT PLACEMENT, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ㉑ THE PLACEMENT OF GEOTECHNICAL FABRI, POROUS GRANULAR EMBANKMENT, AND REMOVAL OF UNSUITABLE MATERIAL MAY BE REQUIRED PRIOR TO PLACEMENT OF CULVERT EXTENSIONS. THESE ITEMS SHALL BE PLACED AT THE DIRECTION OF THE RESIDENT ENGINEER. THE COMPENSATION FOR THESE ITEMS WILL BE PAID PER SECTION 109.04 OF THE SPEC. BOOK.
- ㉒ A QUANTITY OF 46,500 L.F. OF STRIP REFLECTIVE CRACK CONTROL TREATMENT HAS BEEN INCLUDED TO BE PLACED 9 FT LEFT AND RIGHT OF THE CENTERLINE THROUGHOUT THE PROJECT.
- ㉓ LEVEL BINDER MIXTURE MAY BE PLACED PRIOR TO HMA PLACEMENT AT THE DIRECTION OF THE ENGINEER. THE COMPENSATION FOR THIS WORK WILL BE PAID PER SECTION 109.04 OF THE SPEC. BOOK.
- ㉔ 30 TONS OF LEVELING BINDER (HAND METHOD) HAS BEEN ADDED TO THE PLANS. THIS SHOULD BE COMPLETED AT THE DIRECTION OF THE ENGINEER TO FILL CRACKS, JOINTS, AND FLANGWAYS PRIOR TO RESURFACING OPERATIONS.
- ㉕ MESSAGE BOARDS HAVE BEEN INCLUDED AND ARE INTENDED TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER. A QUANTITY OF 40 CALENDAR MONTHS IS BASED ON 2 MESSAGE BOARDS AT A DURATION OF 20 MONTHS EACH.
- ㉖ SUBGRADE PREPARATION FOR THE STONE DUMPED RIPRAP WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER. COMPENSATION FOR THIS WORK SHALL BE PAID PER SECTION 109.04 OF THE SPEC. BOOK.
- ㉗ RIGHT-OF-WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE (12") INCHES INSIDE THE RIGHT OF WAY BOUNDARY. RICH OF WAY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RICH OF MARKERS.

# STANDARDS

000001-05	667101
001001-02	668001-01
001006	701006-03
280001-04	701201-03
442201-03	701306-02
482001-02	701311-03
482006-03	701326-03
542301-02	701336-05
542601-01	701901-01
602301-02	720001-01
602401-02	720006-02
602406-03	720011-01
602601-02	728001-01
604001-03	729001-01
604046-02	731001-01
604046-02	780001-02
606001-04	781001-03
606101-04	
606106-04	
606301-04	
630001-08	
630301-05	
635006-03	
635011-02	
642001-01	
666001-01	

# INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS, GENERAL NOTES STANDARDS & COMMITMENTS
- 3.-4A. SUMMARY OF QUANTITIES
- 5.-21C. SCHEDULE OF QUANTITIES
- 22.-28. TYPICAL SECTIONS
- 29.-32. ALIGNMENT TIES & BENCHMARKS
- 33.-36. DETOUR SHEETS
- 37.-52. PLAN SHEETS
- PL1.-PL38. RIGHT-OF-WAY SHEETS
- 53.-55. INTERSECTION DETAILS
- 56.-71. PAVEMENT MARKING SHEETS
- 72.-87. SIGNING SHEETS
- 88.-105. EROSION CONTROL SHEETS
- 106.-120C. DETAILS
- 121.-252. CROSS-SECTIONS
- SR1.-SR11. SIDEROAD CROSS-SECTIONS

# COMMITMENTS

- 1. BUSHES AT STA. 169+55 LT WILL BE REMOVED PER AGREEMENT WITH PROPERTY OWNER.
- 2. RUMBLE STRIPS TO BE PLACED ON THE SHOULDER FROM STA. 172+00 LT TO 183+00 LT.
- 3. CULVERT AND ACCESS ROAD TO REMAIN UNDISTRUBED AT STA. 242+72.7 RT.
- 4. TREE FELLING FOR THIS PROJECT WILL BE RESTRICTED TO THE DATES BETWEEN SEPTEMBER 30 AND APRIL 1 OF ANY GIVEN YEAR.
- 5. NO EXCAVATION OUTSIDE ROW SHOULD OCCUR BETWEEN STA. 225+00 - 226+50 LT, NOR DRAINAGE BE INCREASE OR DECREASED NORTH OF ROW, TO PRESERVE THE INTEGRITY, OF THE SINKING CREEK NATURE PRESERVE.
- 6. THE ROAD CLOSURE FOR COLUMBIA QUARRY ROAD, TRIPLE LAKES ROAD, AND BOHLEYSVILLE SHALL ALL BE DONE AT SEPARATE TIMES. NO TWO ROADS SHALL BE CLOSE CONCURRENTLY. FURTHER, COLUMBIA QUARRY ROAD SHALL NOT BE CLOSED DURING THE CLOSURE OF CHERRY STREET IN COLUMBIA. COORDINATION WITH THE CITY OF COLUMBIA SHALL BE REQUIRED FOR THE CLOSURE OF COLUMBIA QUARRY ROAD. EACH CLOSURE SHALL BE LIMITED TO 7 CONCURRENT CALENDAR DAYS.
- 7. THE TWO DEAD PINE TREES LOCATED 40' LT AT APPROXIMATELY STA. 168+50 TO STA. 169+10 LT SHALL BE REMOVED IF A "TEMPORARY USE PERMIT" IS GRANTED BY THE PROPERTY OWNERS. THIS SHALL BE PAID FOR PER SECTION 109.04 OF THE SPEC. BOOK. THE CONTRACTOR AND RESIDENT ENGINEER SHALL CONTACT CHARLES AND BARBARA FULFORD PRIOR TO TREE REMOVAL.
- 8. CONTACT TRIPLES LAKES GOLF COURSE TO COORDINATE RELOCATION OF SIGN AT TRIPLE LAKES/ BOHLEYSVILLE ROAD.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION <b>GENERAL NOTES, INDEX STANDARDS</b> FAP ROUTE 592/FAU 9251 SECTION 120R-1 ST. CLAIR COUNTY
NAME	DATE	
SCALE: VERT.	HORIZ.	DRAWN BY
DATE		CHECKED BY