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STANDARDS

- 000001-05
- 001006
- 442201-03
- 482011-06
- 701006-03
- 701011-02
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- 701331-03
- 701306-02
- 701336-05
- 701601-06
- 701501-05
- 701502-03
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. 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.
4. ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS INTERSECTING SIDE ROADS AND ENTRANCE RAMPS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS. ALL TRAFFIC CONTROL SIGNS SHALL BE (48" X 48") AND FLUORESCENT ORANGE.
5. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ITS UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR ITS UTILITIES EXIST WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF LOCATING UNDERGROUND CABLE IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
6. CARE SHALL BE TAKEN AT ALL SIDE ROADS DURING MILLING OPERATIONS TO ENSURE THAT THE PROPOSED HMA RESURFACING WILL MEET THE EXISTING SIDE ROADS.
7. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
8. SIDE ROADS, ENTRANCES AND RAMPS SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.
9. FLAGGERS SHALL BE PRESENT DURING ALL DAYTIME LANE CLOSURE HOURS INCLUDING LUNCH HOUR PERIODS. WHEN FLAGGERS ARE NOT REQUIRED, FLAGGER SIGNS MUST BE REMOVED OR COVERED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
10. PRIOR TO MILLING OPERATIONS, THE RE/RT SHALL RECORD AND DOCUMENT ALL EXISTING PAVEMENT MARKINGS INCLUDING ALL LANE MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS. AFTER COMPLETION OF HMA OVERLAY OPERATIONS THE PROPOSED PREFORMED PLASTIC PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AT THE EXISTING DOCUMENTED LOCATIONS AND/OR AS DIRECTED BY THE RE/RT.
11. IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
12. THE USE OF VIBRATORY ROLLERS IS PROHIBITED IN RESIDENTIAL AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE BITUMINOUS PAVEMENTS AS SPECIFIED IN THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS.
13. THE THICKNESS OF HMA 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 HMA MIXTURE IS PLACED.
14. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.
15. SHORT TERM PAVEMENT MARKING SHALL BE PLACED ON THE MILLED SURFACE, PRIMED SURFACE, LEVELING BINDER AND THE FINAL HMA SURFACE. ONLY REMOVAL FROM THE HMA SURFACE COURSE SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL (50 FT).
16. ALL TEMPORARY PAVEMENT MARKINGS PLACED ON THE FINAL SURFACE SHALL BE INSTALLED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE FINAL PERMANENT PAVEMENT MARKINGS.
17. THE CONTRACTOR SHALL CHECK ALL DETECTOR LOOPS AFTER HMA SURFACE REMOVAL OPERATIONS ARE COMPLETE, AND REPLACE ALL INOPERABLE LOOPS.
18. UTILITY MANHOLES AND VALVE VAULTS ARE PRESENT WITHIN AREAS TO BE MILLED AND/OR RESURFACED. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING CONSTRUCTION OPERATIONS, ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS' EXPENSE. ADJUSTMENT OF THESE APPURTENANCES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS
19. EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES.
20. 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.
21. ILLINOIS LAW REQUIRES THAT 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE EXCAVATING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.L.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:
 AMEREN IP (AERIAL & BURIED GAS & ELECTRIC)
 AT&T ILLINOIS (AERIAL & BURIED COMMUNICATIONS)
 CHARTER COMMUNICATIONS, INC. (AERIAL & BURIED CABLE TV)
 BUCKEYE PARTNERS L.P. (BURIED PIPELINE)
 CASEYVILLE TOWNSHIP (BURIED SANITARY SEWER)
 CITY OF FAIRVIEW HEIGHTS (BURIED SANITARY SEWER)
 CITY OF O'FALLON (BURIED WATER & SANITARY SEWER)
 PAETEC (BURIED COMMUNICATIONS)
 QWEST SOLUTIONS CENTER (BURIED COMMUNICATIONS)
 MEMBERS OF J.U.L.L.E. (800) 892-0123 ARE INDICATED BY *. NON J.U.L.L.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

LOCATION #1

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	VARIOUS ROUTES
SECTION	DIST & HIGHWAY, 2000-4
COUNTY	ST. CLAIR
CONTRACT	76006

DESCRIPTION	SP- RESURFACING: SEIBERT RD. FROM JOHNSON RD. TO SCOTT AFB ENTRANCE.
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ADT (Construction Yrs)	2500
SLD	1
20 YR. ESAL'S	1.33

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	See Contract RAP
DESIGN AIR VOIDS	4.0% @ Nodes=70	4.0% @ Nodes=70	Special Provision
MIX COMPOSITION			2.0% @ Nodes=30
GRADATION MIXTURE	IL 12.5/9.5	IL 9.5	IL 19.0
FRICTION AGG	MIXTURE "B"	MIXTURE "C"	BAW

MIXTURE USE			
AC/PG			
RAP % (MAX)			
DESIGN AIR VOIDS			
MIX COMPOSITION			
GRADATION MIXTURE			
FRICTION AGG			

** 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/50 YD³ (59.8 KG/50 M³) 25 MM THICKNESS.

DETECTOR LOOP REPLACEMENT:

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A DETECTOR LOOP, TYPE 1, IN THE PAVEMENT IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLANS, SECTIONS 886 & 873 OF THE STANDARD SPECIFICATIONS, AND STANDARDS 886001 AND 886006, WITH THE FOLLOWING EXCEPTIONS:

THE DEPTH OF THE SAWED SLOT SHALL BE AS REQUIRED TO PROVIDE A MINIMUM OF ONE INCH CLEARANCE BETWEEN THE SURFACE OF THE PAVEMENT AND THE TOP OF THE BACKER ROD. WHEN LOOPS ARE PLACED IN THE BINDER OR BASE COURSE OF BITUMINOUS PAVEMENT AND WILL BE COVERED BY AN ADDITIONAL SURFACE COURSE, THE CLEARANCE MAY BE REDUCED TO ONE-HALF INCH.

AT ALL LOCATIONS WHERE PAVEMENT JOINTS THAT ARE NOT DOWELED OR PAVEMENT SEPARATION CRACKS (INCLUDING AREAS WHERE BITUMINOUS PAVEMENT ABUTS CONCRETE PAVEMENT) ARE ENCOUNTERED BY THE SLOTS SAWED FOR THE PLACEMENT OF THE DETECTOR LOOPS OR LEAD-INS, A CORED EXPANSION HOLE SHALL BE MADE PER STANDARD 886001. THE CORED EXPANSION HOLES ARE INCLUDED IN THIS PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE MADE. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.

LOCATION #2

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	VARIOUS ROUTES
SECTION	DIST & HIGHWAY, 2000-4
COUNTY	ST. CLAIR
CONTRACT	76006

DESCRIPTION	SP- RESURFACING: GREENMOUNT RD. FROM IL 161 TO IL 161/177
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ADT (Construction Yrs)	1800
SLD	1.5
20 YR. ESAL'S	2.80

MIXTURE USE	POLY-SURFACE	LEVEL BINDER	PATCHING	PORTLAND CEMENT PATCH	SHOULDERS
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	See Contract RAP
DESIGN AIR VOIDS	4.0% @ Nodes=70	4.0% @ Nodes=70	4.0% @ Nodes=70	4.0% @ Nodes=70	Special Provision
MIX COMPOSITION					2.0% @ Nodes=30
GRADATION MIXTURE	IL 12.5/9.5	IL 9.5	IL 19.0		
FRICTION AGG	MIXTURE "B"	MIXTURE "C"	MIXTURE "B"	MIXTURE "D"	BAW

MIXTURE USE				
AC/PG				
RAP % (MAX)				
DESIGN AIR VOIDS				
MIX COMPOSITION				
GRADATION MIXTURE				
FRICTION AGG				

** 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/50 YD³ (59.8 KG/50 M³) 25 MM THICKNESS.

LOCATION #3

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	VARIOUS ROUTES
SECTION	DIST & HIGHWAY, 2000-4
COUNTY	ST. CLAIR
CONTRACT	76006

DESCRIPTION	SP- RESURFACING: OLD IL 158 FROM SEIBERT RD. TO WHERRY RD.
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ADT (Construction Yrs)	1100
SLD	0.5
20 YR. ESAL'S	0.06

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS	PATCHING	PORTLAND CEMENT PATCH
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Nodes=70	4.0% @ Nodes=70	4.0% @ Nodes=70	4.0% @ Nodes=70	
MIX COMPOSITION					
GRADATION MIXTURE	IL 12.5/9.5	IL 9.5	IL 19.0		
FRICTION AGG	MIXTURE "C"	MIXTURE "C"	MIXTURE "B"	MIXTURE "C"	

MIXTURE USE				
AC/PG				
RAP % (MAX)				
DESIGN AIR VOIDS				
MIX COMPOSITION				
GRADATION MIXTURE				
FRICTION AGG				

** 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/50 YD³ (59.8 KG/50 M³) 25 MM THICKNESS.

STD: 886001, 886006

SPECIAL PROVISION: DETECTOR LOOP REPLACEMENT (ATTACHED)

PAY ITEMS:

80300100	LOCATING UNDER GROUND CABLE	100	100	75
88600600	DETECTOR LOOP REPLACEMENT	00	00	00

AFTER ROTOMILLING THE ENGINEER SHALL CONTACT BUREAU OF OPERATIONS OF I.D.O.T. TO DETERMINE IF THE EXISTING LOOP IS OPERATIONAL. IF THE LOOP IS DAMAGED IT SHALL BE RE-CUT, RECONNECTED, AND FULLY OPERATIONAL WITHIN FIVE (5) WORKING DAYS.

DETECTOR LOOPS SHALL BE PLACED IN THE PAVEMENT AFTER MILLING AND PRIOR TO RESURFACING.

DETECTOR LOOPS SHALL BE PLACED IN THE PAVEMENT AFTER MILLING AND PRIOR TO RESURFACING.

DETECTOR LOOPS SHALL BE SPliced INTO THE EXISTING LEAD-IN CABLES IN THE HANDHOLE. THE SPICES SHALL BE MADE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. ROSIN-CORE SOLDER SHALL BE USED. THE COST OF LABOR AND MATERIAL FOR REMOVING EXISTING DETECTOR LOOP CABLES FROM THE CONDUIT AND SPlicing INTO THE EXISTING LEAD-IN CABLES SHALL BE INCLUDED IN THE PAY ITEM DETECTOR LOOP REPLACEMENT.

LOCATING UNDERGROUND CABLES WILL BE PAID FOR SEPARATELY. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR DETECTOR LOOP REPLACEMENT, MEASURED ALONG THE SAWED SLOT IN THE PAVEMENT CONTAINING THE LOOPS AND LEAD IN, RATHER THAN THE ACTUAL LENGTH OF WIRE IN THE SLOT, WHICH PRICE SHALL BE PAYMENT IN FULL FOR FURNISHING, INSTALLING AND TESTING THE DETECTOR LOOP COMPLETE IN PLACE.

COMMITMENTS

NO COMMITMENTS

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS	GENERAL NOTES	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
ca\pe_sork\pavdat\elford\08175162\07606-ult-plar.dgn	elford	DRAWN	REVISED	DEPARTMENT OF TRANSPORTATION		76006	DIST&RESURFACING00-4	ST. CLAIR	49
		CHECKED	REVISED		SCALE:				2
		DATE	REVISED		SHEET NO.				CONTRACT NO. 76006
					OF SHEETS				ILLINOIS FED. AID PROJECT
					STA.				
					TO STA.				