

# INDEX OF SHEETS

1	COVER SHEET
2	INDEX, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS.
3-5	SUMMARY OF QUANTITIES
6-7	TYPICALS
8-9	SCHEDULE OF QUANTITIES
10-11	LOCATION MAP
12-16	PAVEMENT MARKING SHEETS
17-18	DETECTOR LOOP REPLACEMENT PLANS
19	MISC DETAILS
20	TRAFFIC CONTROL PLAN
21-27	CULVERT DESIGN SHEETS
28	CROSS SECTIONS

# STANDARDS

- 000001-06
- 001006
- 642006
- 701011-04
- 701201-04
- 701301-04
- 701306-03
- 701311-03
- 701321-13
- 701336-06
- 701901-03
- 780001-04
- 781001-03
- 886001-01
- 886006-01

# COMMITMENTS

NONE

# GENERAL NOTES

- ① UTILITIES INTERFERENCES ARE NOT ANTICIPATED ON THIS CONTRACT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS. NO ADDITIONAL COST SHALL BE ADDED TO THE CONTRACT RESULTING FROM UTILITY CONFLICTS.
- ② 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 ILLINOIS (ELECTRIC)	X	X
*AT&T ILLINOIS	X	X
*CONSOLIDATED COMMUNICATIONS	X	X
*CITY OF HAMEL		X
*MADISON TELEPHONE COMPANY	X	X
*SOUTHWESTERN ELECTRIC COOPERATIVE, INC.	X	
*MARATHON PIPE LINE LLC		X
*NORTHEAST CENTRAL COUNTY PUBLIC WATER DIST		X

MEMBERS OF J.U.L.I.E. (800)-892-0123 OR 811 ARE INDICATED BY \*. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ③ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAP 785 (IL 140)
SECTION	(133,134,135)RS-4
COUNTY	MADISON
CONTRACT	76658

DESCRIPTION	IL 140 FROM 0.2 MILES WEST OF IL 159 TO 0.1 MILES WEST OF PARK AVENUE IN HAMEL.
-------------	---

ADT (Construction Yr):	8050
MU%:	4.6
SU%:	3.4
20YR. ESAL'S:	2.35

MIXTURE USE	SURFACE	INCIDENTAL HMA	BINDER/PATCHING	WIDENING
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 19.0 FG	IL 19.0 FG
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"
QUALITY MGMT PROGRAM	OCOA			

MIXTURE USE	SHOULDERS > 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	**2.0% @ Ndes=30	**2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"
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/sq yd/in (59.8 kg/sq m/25 mm thickness).

- 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 FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ⑥ EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTS.
- ⑦ THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ⑧ THE PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN THE SAME LOCATION AS EXISTING OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ⑨ "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").
- ⑩ SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED AND BITUMINOUS SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS. ONLY REMOVAL OF SHORT TERM PAVEMENT MARKING FROM FINAL SURFACE TO BE PAID AS 'WORK ZONE PAVEMENT MARKING REMOVAL'.
- ⑪ THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- ⑫ ALL MILLED AREAS SHALL BE RESURFACED WITH THE APPROPRIATE SURFACE COURSE PRIOR TO OPENING THE LANE TO TRAFFIC.
- ⑬ LANE CLOSURES WILL ONLY BE ALLOWED DURING THE CULVERT REPLACEMENT AND IF THE CONTRACTOR IS WORKING AT NIGHT. IF THE CONTRACTOR IS WORKING AT NIGHT, ONLY THE LANE IN WHICH THE CONTRACTOR IS WORKING IN CAN BE CLOSED OVERNIGHT.
- ⑭ TEMPORARY CONCRETE BARRIER SHALL BE PINNED IF THE DISTANCE FROM THE BACK SIDE OF THE BARRIER TO THE DROP OFF IS LESS THAN 3'-6". COST WILL BE INCLUDED IN THE TEMPORARY CONCRETE BARRIER PAY ITEM.