

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA 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:

- AMEREN ILLINOIS
- AT&T ILLINOIS
- BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE
- CHARTER COMMUNICATIONS, INC.
- CITY OF EDWARDSVILLE (ELECTRIC)
- CITY OF EDWARDSVILLE (SANITARY SEWER)
- MARATHON PETROLEUM COMPANY, LLC
- NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT
- PLAINS PIPELINE, L.P.
- SOUTHWESTERN ELECTRIC COOPERATIVE, INC.
- TRANSCANADA KEYSTONE PIPELINE

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

2. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
4. THE WIDTH OF HOT-MIX ASPHALT SURFACE REMOVAL SHOWN ON THE PLANS ARE THE NOMINAL WIDTHS. IRREGULARITIES IN THE SURFACE WIDTH MAY OCCUR THROUGHOUT THE LENGTH OF THE SECTION. HOT-MIX ASPHALT SURFACE REMOVAL WILL BE PAID FOR IN SQUARE YARDS BASED UPON THE NOMINAL WIDTHS INDICATED.
5. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES 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.
6. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
7. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
8. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
9. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. THE DEPARTMENT 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. CONTACT THE DISTRICT 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.
11. THE ESTIMATED QUANTITY OF 140 TONS OF CUTTINGS IS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION.
12. ANY EXCAVATION OR DROP-OFF OF MORE THAN 3" AT THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTING.
13. SHORT TERM PAVEMENT MARKING SHALL BE PLACED ON THE MILLED SURFACE, PRIMED SURFACE AND THE FINAL HMA SURFACE. ONLY REMOVAL FROM THE HOT-MIX ASPHALT SURFACE COURSE SHALL BE PAID FOR AS "WORK ZONE PAVEMENT MARKING REMOVAL (50 FT).
14. ALL EARTH FROM EXCAVATION AND GRADING SHALL BE USED ON SITE AT NEAREST GUARDRAIL LOCATION FOR GRADING.
15. DUE TO THE SEQUENCING OF THE TRAFFIC SIGNALS, SN 060-0129 & SN 060-0130 SHALL BE CONSTRUCTED SEPARATELY.
16. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	INCIDENTAL HMA	F.D. PATCHING	BINDER / 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	IL19.0 F.G.	IL19.0 F.G.
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"

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 MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS)

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STANDARDS

- 000001-06
- 001006
- 280001-07
- 406201-01
- 442201-03
- 482011-03
- 630001-10
- 630101-09
- 630106-01
- 630301-06
- 631011-09
- 631032-08
- 635001-01
- 635006-03
- 635011-02
- 642006
- 643001-02
- 701006-05
- 701201-04
- 701301-04
- 701306-03
- 701311-03
- 701321-13
- 701326-04
- 701336-06
- 701701-09
- 701901-03
- 704001-07
- 780001-04
- 781001-03
- 886001-01
- 886006-01

COMMITMENTS

NONE

12-18-14

FILE NAME =	USER NAME = chollandaska	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STANDARDS AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwidot\chollandaska\03322017	0876025-shr-gennate.dgn	DRAWN -	REVISED -			604	(103.125)RS-2, 125-BR-2	MADISON	45	2	
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76G25		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 1/17/2014	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.			

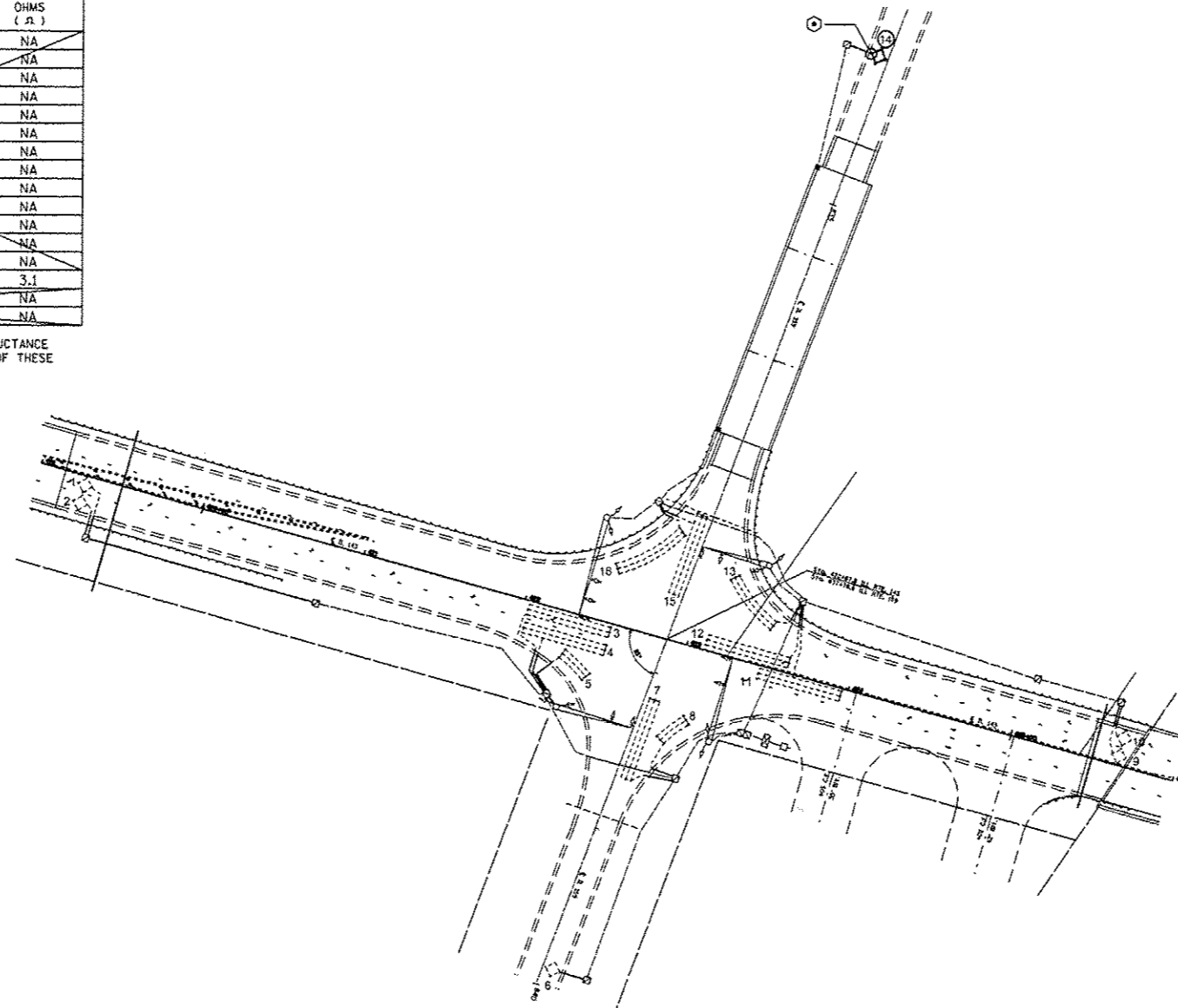
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 143 AND IL 159

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. SEB CCO	6	6 X 6	6	NA	NA
2. SEB CCO	6	6 X 6	6	NA	NA
3. SEB LT CD	1	6 X 50-0	3-6-3	NA	NA
4. SEB THRU CD	6	6 X 50-0	3-6-3	NA	NA
5. SEB RT CD	6	6 X 20-0	3-6-3	NA	NA
6. NEB CCO	4	6 X 6	6	NA	NA
7. NEB THRU-LT CD	4	6 X 50-0	3-6-3	NA	NA
8. NEB RT CD	4	6 X 20-0	3-6-3	NA	NA
9. NWB CCO	2	6 X 6	6	NA	NA
10. NWB CCO	2	6 X 6	6	NA	NA
11. NWB LT CD	5	6 X 50-0	3-6-3	NA	NA
12. NWB THRU CD	2	6 X 50-0	3-6-3	NA	NA
13. NWB RT CD	2	6 X 40-0	3-6-3	NA	NA
14. SWB CCO	3	6 X 6	6	374.8	3.1
15. SWB THRU-LT CD	3	6 X 50-0	3-6-3	NA	NA
16. SWB RT CD	3	6 X 45-0	3-6-3	NA	NA

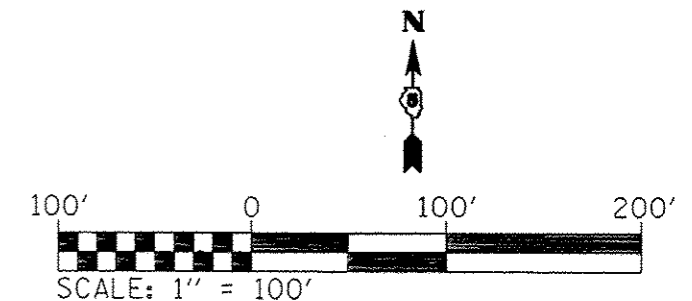
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Ø=QUADRAPOLE

⊙=SEE DETAIL A



△ SHEET ADDED 2-18-14



FILE NAME =	USER NAME = chollendaske	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 159 AND IL 143	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\chollendaske\d8332817	0876025-sh1-detailed.dgn	DRAWN -	REVISED -			604	(103.125)RS-2, 125-BR-2	MADISON	46	30	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. T6625					
	PLOT DATE = 12/10/2013	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					