

**INDEX OF SHEETS**

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PROJECT LOCATED IN VILLAGE OF EAST HAZEL CREST

**DESIGN DESIGNATION**

PRINCIPAL ARTERIAL (PCC-20)

	ADT(2003)	DESIGN SPEED	POSTED SPEED
IL RTE. 1 (HALSTED ST.)	30,900	45 MPH	40 MPH

**STATE OF ILLINOIS**

**DEPARTMENT OF TRANSPORTATION**

**DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED BRIDGE**

**ILLINOIS ROUTE 1 (HALSTED STREET)**

**FAP ROUTE 876**

**SECTION 2001-001BR**

**OVER TRI-STATE TOLLWAY (I-80 / I-294)**

**IDOT STRUCTURE NO.: 016-0199**

**TOLLWAY STRUCTURE NO.: 115**

**BRIDGE SUPERSTRUCTURE REPLACEMENT**

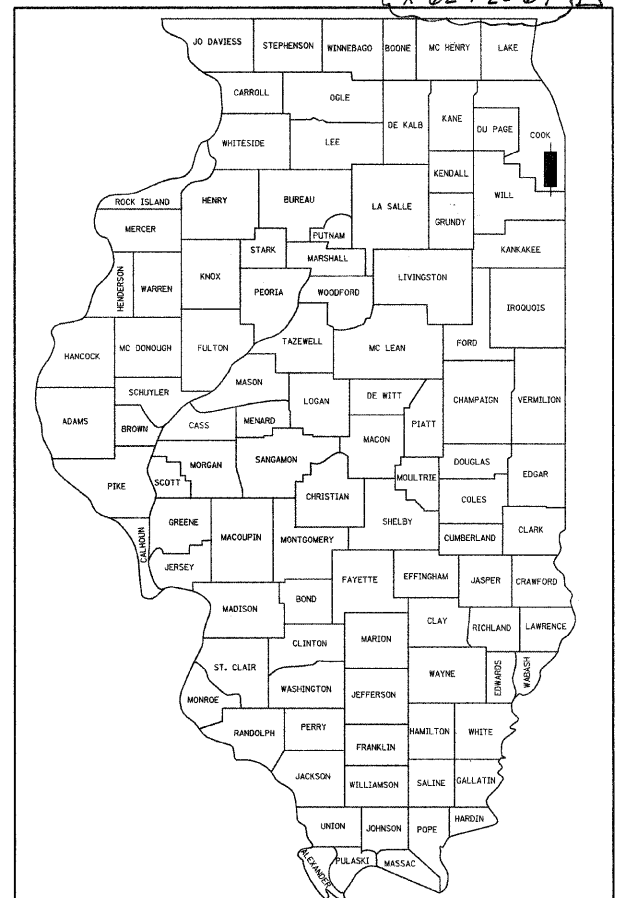
**COOK COUNTY PROJECT: ACNHF-0876(076)**

**C-91-003-01**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	T1-7	COOK	62	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 62099		

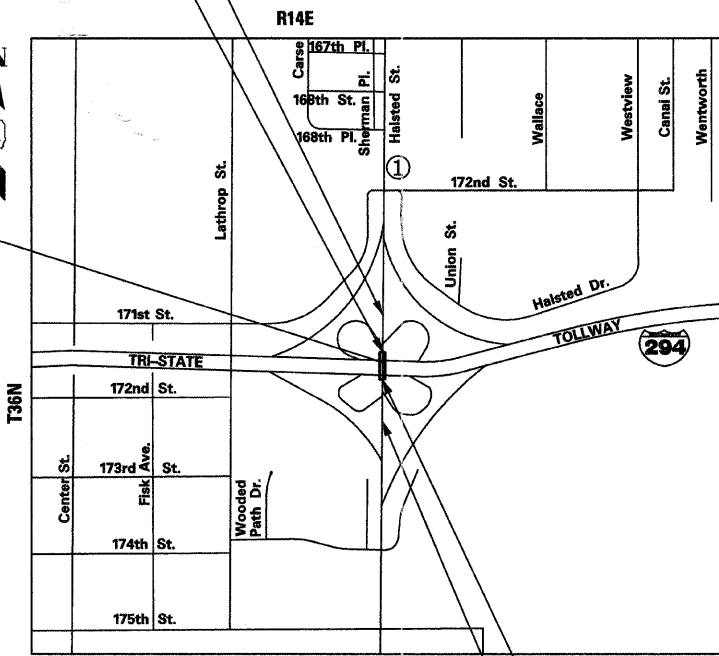
D-91-003-01

\* 62 + 2 = 64

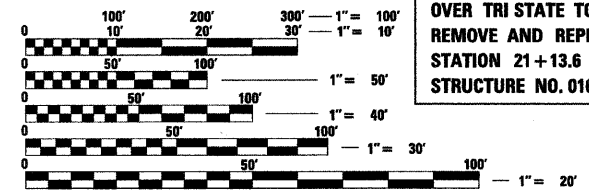


LOCATION OF SECTION INDICATED THUS: - ■ -

IL RTE. 1 (HALSTED STREET) IMPROVEMENT ENDS STATION 27 + 00.00  
IL RTE. 1 (HALSTED STREET) PROJECT ENDS STATION 22 + 64.05



IL RTE. 1 (HALSTED STREET) BRIDGE OVER TRI STATE TOLLWAY (I-80 / I-294) REMOVE AND REPLACE SUPERSTRUCTURE STATION 21 + 13.6 STRUCTURE NO. 016-0199



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: J. REID MORELAND (847) 705-4594  
PROJECT MANAGER: SERIN KELLER (847) 705-4556  
TOWNSHIP: THORNTON  
CONTRACT NO. 62099

MAP SCALE: NO SCALE  
PROJECT LENGTH = 301.02 FEET

IL RTE. 1 (HALSTED STREET) PROJECT BEGINS STATION 19 + 63.03  
IL RTE. 1 (HALSTED STREET) IMPROVEMENT BEGINS STATION 15 + 30.00



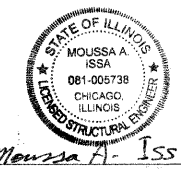
ROBERT P. ISRAEL, P.E.  
IL LICENSED PROFESSIONAL NO. 062-044817  
License Expires on Nov. 30, 2011

Date: \_\_\_\_\_ For Drawings \_\_\_\_\_ thru \_\_\_\_\_  
Date: \_\_\_\_\_ For Drawings \_\_\_\_\_ thru \_\_\_\_\_



ROBERT A. LEE, S.E.  
IL LICENSED STRUCTURAL NO. 081-005246  
License Expires on Nov. 30, 2012

Date: \_\_\_\_\_ For Drawings \_\_\_\_\_ thru \_\_\_\_\_  
Date: \_\_\_\_\_ For Drawings \_\_\_\_\_ thru \_\_\_\_\_



MOUSSA A. ISSA, S.E.  
IL LICENSED STRUCTURAL NO. 081-005738  
License Expires on Nov. 30, 2012

Date: \_\_\_\_\_ For Drawings \_\_\_\_\_ thru \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED JUNE 22, 2011

Diana M. O'Keefe  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 19, 2011  
Scott E. Stitt, P.E./a  
ENGINEER OF DESIGN AND ENVIRONMENT

August 19, 2011  
Christine M. Reed/a  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**



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- 6. TYPICAL SECTIONS
- 7.-8. SCHEDULE OF QUANTITIES
- 9. ALIGNMENT, TIES, AND BENCHMARKS
- 10. EXISTING AND REMOVAL PLAN / LIGHTING PLAN
- 11. PLAN AND PROFILE
- 12. STAGING AND TRAFFIC CONTROL GENERAL NOTES, TYPICAL SECTIONS AND SIGN LEGEND
- 13-15. STAGING AND TRAFFIC CONTROL PLAN
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- 18. PAVEMENT MARKING AND LANDSCAPING PLAN
- 19. DETAILS
- 20. GENERAL PLAN & ELEVATION
- 21. GENERAL NOTES & BILL OF MATERIALS
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- 48. PIER 3 REPAIRS
- 49. SOUTH RETAINING WALL REPAIRS
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- 51. BAR SPLICER ASSEMBLY
- 52. TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION

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**SHEET NO. SHEET NAME**

- 53. TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
- 54. TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 55. TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- 56. TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
- 57. TC-22 ARTERIAL ROAD INFORMATION SIGN
- 58.-59. E1-02 CONSTRUCTION SIGNS
- 60.-61. E2-02 LANE CLOSURE DETAILS
- 62. E2-03 SHOULDER CLOSURE DETAILS

**LIST OF IDOT STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- 420401-08 BRIDGE APPROACH PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 515001-03 NAME PLATE FOR BRIDGES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 609001-05 BRIDGE APPROACH SHOULDER PAVEMENT AND DRAIN
- 609006-05 BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
- 630001-09 STEEL PLATE BEAM GUARDRAIL
- 631026-05 TRAFFIC BARRIER TERMINAL, TYPE 5
- 631031-09 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 701101-02 OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24' (600MM) FROM PAVEMENT EDGE
- 701411-07 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
- 701427- LANE CLUSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEED 40 ≤ MPH
- 701601-07 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701606-07 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-07 URBAN LANE CLOSURE MULTILANE INTERSECTION
- 701901-01 TRAFFIC CONTROL DEVICES
- 704001-06 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 780001-02 TYPICAL PAVEMENT MARKINGS

**GENERAL NOTES:**

- 1. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE STAGING AND TRAFFIC CONTROL PLANS.
- 2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED. IN ADDITION, THE CONTRACTOR SHALL CONTACT VILLAGE OF EAST HAZEL CREST AND ILLINOIS STATE TOLL HIGHWAY AUTHORITY FOR FIELD LOCATIONS OF WATER MAIN, SANITARY SEWER, ELECTRIC, FIBER OPTIC AND ALL MUNICIPAL UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- 3. UNLESS OTHERWISE SHOWN, THE TRANSITIONS BETWEEN EXISTING AND PROPOSED SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF SPECIFIED WORK.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET A YARD OR FIELD OFFICE ON STATE RIGHT-OF-WAY OR PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- 6. USE NO. 8 EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.10 (A)(2) OF THE STANDARD SPECIFICATION FOR LONGITUDINAL CONSTRUCTION JOINT, GROUTED-IN-PLACE TIE BARS, AS SHOWN ON STATE STANDARDS 420001-07. THIS IS INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
- 7. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- 8. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF EAST HAZEL CREST AND ILLINOIS STATE TOLL HIGHWAY AUTHORITY.
- 9. PRIVATE UTILITY FRAME AND GRATE ADJUSTMENT WITHIN THE LIMITS OF IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS.
- 10. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR GUARDRAIL REMOVAL.
- 11. ALL FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 12. TWO WEEKS PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT CONTRACTOR SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER MS. PATRICE HARRIS (708) 597-9800.
- 13. IF THE SCOPE OF WORK CHANGES AND/OR ADDITIONAL ROW/TEMPORARY EASEMENTS ARE REQUIRED, PLEASE CONTACT THE ENVIRONMENTAL STUDIES UNIT AT EXTENSION 4101 TO DISCUSS ANY POTENTIAL IMPACTS.
- 14. ADDITIONAL THICKNESS OF SUB-BASE GRANULAR MATERIAL, TYPE A UNDER HMA SHOULDER SHALL BE INCLUDED IN THE COST FOR SUB-BASE GRANULAR MATERIAL, TYPE A 4". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 15. FULL-DEPTH SAWING IS REQUIRED TO SATISFACTORILY REMOVE EXISTING PAVEMENT AND MEDIAN. THE COST OF THE FULL DEPTH SAWING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- 16. THE ENGINEER SHALL CONTACT ARTERIAL TRAFFIC CONTROL SUPERVISOR ANDY SCHUTZE AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TRAFFIC CONTROL DEVICES.
- 17. REMOVAL OF EXISTING HMA DECK OVERLAY SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING SUPERSTRUCTURES.

**NOTE:**

BOXED ITEMS INDICATE WORK NOT PAID FOR SEPARATELY, BUT INCLUDED AS PART OF ANOTHER PAY ITEM OR COST ASSOCIATED WITH THE CONTRACT.

- 18. GENERAL SAFETY PROVISIONS: TO PROVIDE TOLLWAY AND CROSSROAD PATRONS SAFE TRAVEL CONDITIONS DURING THIS CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, BOTH OF THE TOLLWAY AND PRIVATE CONTRACTOR, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT.
  - o. ALL VEHICLES INCLUDING PASSENGER CARS, WHETHER OWNED BY THE CONTRACTOR OR ANYONE REPRESENTING HIM, SHALL BE EQUIPPED WITH A YELLOW FLASHING LIGHT MOUNTED EITHER ON TOP OR IN THE REAR WINDOW OF THE VEHICLE AND VISIBLE FOR AT LEAST 500 FEET TO THE REAR OF THE VEHICLE. IN ADDITION, A SIGN MUST BE DISPLAYED ON EACH SIDE OF THE VEHICLE AND WITH LETTERS AT LEAST 3 INCHES IN HEIGHT AND WITH A SUITABLE FONT, SHOWING THE COMPANY NAME AND ADDRESS. MAGNETIC OR TEMPORARY SIGNS ARE ACCEPTABLE.
- 19. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
- 20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOLLWAY ELECTRICIAN AT LEAST 10 DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR TOLLWAY OWNED ELECTRICAL, COMMUNICATIONS OR TRAFFIC CONTROL CABLES. TOLLWAY ELECTRICIANS WILL LOCATE ANY POSSIBLE INTERFERING CABLES. ANY BURIED CABLE AT OR NEAR A PROPOSED CONSTRUCTION LOCATION SHALL FIRST BE EXPOSED BY THE CONTRACTOR BY HAND DIGGING. ONCE EXPOSED, AND IF THE ENGINEER DETERMINES THERE IS A CONFLICT, THE CONTRACTOR SHALL RELOCATE THE CABLES. IF CONTRACTOR CUTS OR DAMAGES ANY CABLES, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, HE SHALL THEN BE HELD RESPONSIBLE FOR THE REPAIRING OF ALL DAMAGES AT HIS EXPENSE, TO THE SATISFACTION OF THE TOLLWAY.
- 21. THE CONTRACTOR SHALL BE MADE AWARE THAT ALL CONSTRUCTION VEHICLES SHALL BE LIMITED TO 15 FEET ABOVE EXISTING GRADE WHILE CROSSING UNDER COMMONWEALTH EDISON'S TRANSMISSION LINES.
- 22. DISTRIBUTORS: ALL DISTRIBUTORS FOR HOT-MIX ASPHALT PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGES TO MOTORISTS' VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.
- 23. MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- 24. FLUORESCENT VESTS AND HARD HATS: ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT ORANGE, FLUORESCENT YELLOW/GREEN OR A COMBINATION OF FLUORESCENT ORANGE AND FLUORESCENT YELLOW/GREEN VESTS AND HARD HATS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE.
- 25. AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS. THIS WORK SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)
- 26. TRAFFIC SENSORS: A MINIMUM OF SEVEN DAYS PRIOR TO ANY SHIFTS IN TRAFFIC LANES, THE CONTRACTOR SHALL CONTACT TRAFFIC.COM AT (610) 407-7400. THE CONTRACTOR SHALL SUPPLY TRAFFIC.COM WITH THE REVISED TRAFFIC PATTERN AND THE DATE FOR THE SHIFT IN TRAFFIC LANES. TRAFFIC.COM IS RESPONSIBLE FOR CALIBRATING THE TRAFFIC SENSORS ALONG THE CORRIDOR TO ACCURATELY MONITOR TRAFFIC FLOW.
- 27. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL FIBER OPTICS UTILITIES PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL INITIATE THE LOCATION PROCESS FOR THE FIBER OPTIC CABLE BY COMPLETING A "REQUEST TOLLWAY UTILITIES LOCATE" FORM FILLED IN ONLINE AT THE TOLLWAY WEBSITE UNDER "DOING BUSINESS" AT LEAST FOUR (4) BUSINESS DAYS PRIOR TO STARTING ANY UNDERGROUND OPERATIONS, EXCAVATIONS OR DIGGING OF ANY TYPE IN THE GENERAL AREA OF THE FIBER OPTIC CABLE.

**NO COMMITMENTS FOR THIS PROJECT**

FILE NAME = 62899CONBL00N	USER NAME = hoisted	DESIGNED - PK	REVISED - 09/01/2011	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS RTE 1 OVER TRI-STATE I-80 / I-294 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN - GAP	REVISED -			876	2001-001BR	COOK	62	2
	PLOT DATE = 9/1/2011	CHECKED - RPI	REVISED -			CONTRACT NO. 62099				
		DATE - 08/05/2011	REVISED -			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE ROADWAY 0004 RURAL	80% FED 20% STATE BRIDGE 0011 S.N. 016-0199	100% ISTHA BRIDGE 0011 S.N. 016-0199
				URBAN		
20200100	EARTH EXCAVATION	CU YD	25	25		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	154	154		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	192	192		
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	152	152		
25000210	SEEDING, CLASS 2A	ACRE	0.04	0.04		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4	4		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4	4		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4	4		
25100630	EROSION CONTROL BLANKET	SQ YD	647	647		
25200200	SUPPLEMENTAL WATERING	UNIT	1	1		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100		
28000400	PERIMETER EROSION BARRIER	FOOT	1,541	1,541		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	566	566		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	16	16		
42001300	PROTECTIVE COAT	SQ YD	3,874	624	3,250	
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	103	103		
44000100	PAVEMENT REMOVAL	SQ YD	501	501		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	96	96		
44003100	MEDIAN REMOVAL	SQ FT	3,524	3,524		
44004250	PAVED SHOULDER REMOVAL	SQ YD	19	19		
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	87	87		
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	41	41		
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1	
50102400	CONCRETE REMOVAL	CU YD	40		40	
50157300	PROTECTIVE SHIELD	SQ YD	2,595		2,595	
50200100	STRUCTURE EXCAVATION	CU YD	220		220	
50300225	CONCRETE STRUCTURES	CU YD	71.1		71.1	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1,215		1,215	
50300260	BRIDGE DECK GROOVING	SQ YD	2,520		2,520	
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 48 IN.	FOOT	3,171			3,171
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	215,830		215,830	
50800515	BAR SPLICERS	EACH	1,047		1,047	

\* SPECIALTY ITEMS  
 \*\* TOLLWAY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE ROADWAY 0004 RURAL	80% FED 20% STATE BRIDGE 0011 S.N. 016-0199	100% ISTHA BRIDGE 0011 S.N. 016-0199
				URBAN		
50900105	ALUMINUM RAILING, TYPE L	FOOT	501		501	
51500100	NAME PLATES	EACH	1		1	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	192		192	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	56			56
52100530	ANCHOR BOLTS, 1 1/4"	EACH	112			112
52100540	ANCHOR BOLTS, 1 1/2"	EACH	4			4
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	84		84	
60608521	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24	FOOT	96	96		
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	3,523	3,523		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	125	125		
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2	2		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
63200310	GUARDRAIL REMOVAL	FOOT	296	296		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16		
67100100	MOBILIZATION	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	112	112		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	24	24		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	424	424		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	12,271	12,271		
70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	616	616		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4,643	4,643		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	387.5	387.5		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	387.5	387.5		
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3,846	3,846		
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	1,051	1,051		
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	194	194		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12		
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	16	16		
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	24	24		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	6	6		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,268	1,268		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	49	49		

- \* SPECIALTY ITEMS
- \*\* TOLLWAY ITEMS

FILE NAME = 620799C5002.dgn	USER NAME = 3204030193	DESIGNED - PK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS RTE 1 OVER TRI-STATE I-80 / I-294 SUMMARY OF QUANTITIES</b>	F.A.P. RTE. 876	SECTION 2001-001BR	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 4
PLOT SCALE = 50.000' / IN.	CHECKED - RPI	REVISED -	SCALE: NONE			SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLOT DATE = 6/29/2011	DATE - 07/01/2011	REVISED -	CONTRACT NO. 62099							

Rev. 9-8-11

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE BRIDGE	100% ISTHA BRIDGE
				0004 RURAL	0011 S.N. 016-0199	0011 S.N. 016-0199
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	775	775		
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	352	352		
* <del>81018700</del>	<del>CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL</del>	<del>FOOT</del>	<del>100</del>	<del>100</del>		
* 81100805	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	550	550		
* <del>81100805</del>	<del>CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL</del>	<del>FOOT</del>	<del>280</del>	<del>280</del>		
* 81300730	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6" GALVANIZED STEEL	EACH	6	6		
* 81400100	HANDHOLE	EACH	10	10		
* <del>81603080</del>	<del>UNIT DUCT, 600V, 3-1C NO. 2, 1/2" NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA., POLYETHYLENE</del>	<del>FOOT</del>	<del>538</del>	<del>538</del>		
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	933	933		
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	12	12		
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	1	1		
Z0004552	APPROACH SLAB REMOVAL	SQ YD	590	590		
Z0010400	CLEANING BRIDGE SEATS	SQ FT	987			987
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0018900	DRILL AND GROUT DOWEL BARS	EACH	882	882		
Z0021906	SILICONE JOINT SEALER, 1.5"	FOOT	66			66
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1		
Z0026407	TEMPORARY SHEET PILING	SQ FT	282		282	
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2		
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	598	598		
* <del>Z0033024</del>	<del>MAINTAIN EXISTING LIGHTING SYSTEM</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	250		250	
Z0062456	TEMPORARY PAVEMENT	SQ YD	398	398		
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	220		220	
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.09	0.09		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7240505	RELOCATE SIGN PANEL AND POST	EACH	1	1		
X7240605	REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN	EACH	4		4	
X8210305	PROTECTION AND MAINTENANCE OF EXISTING UNDERPASS LIGHTING	L SUM	1			1
X8440120	REMOVE AND RE-ERECT EXISTING LIGHTING UNIT	EACH	1	1		
** 58700300	CONCRETE SEALER	SQ FT	17,100			17,100
** 59200101	BRIDGE WASHING NO. 1	EACH	1			1
** JS121200	LOW PRESSURE EPOXY INJECTION	FOOT	53			53
** Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	57			57
** Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	55			55
** JT783005	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY	SQ FT	368	368		

\* SPECIALTY ITEMS  
\*\* TOLLWAY ITEMS

FILE NAME = 62099CS083.dgn	USER NAME = 3204030193	DESIGNED - PK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS RTE 1 OVER TRI-STATE I-80 / I-294 SUMMARY OF QUANTITIES</b>			F.A.P. RTE. 876	SECTION 2001-001BR	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 5
PLOT SCALE = 50.000' / IN.	CHECKED - RPI	REVISED -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 62099				
PLOT DATE = 6/29/2011	DATE - 07/01/2011	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

Rev. 9-8-11

78100100 RAISED REFLECTIVE PAVEMENT MARKER				
LOCATION				EACH
18+26.00	14' LT	19+68.85	14' LT	4
19+05.00	14' RT	19+68.85	14' RT	2
22+58.35	14' LT	23+20.00	14' LT	2
22+58.35	14' RT	24+00.00	14' RT	4
TOTAL				12

78100105 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)				
LOCATION				EACH
19+68.85	TO	22+58.35	SB	8
19+68.85	TO	22+58.35	NB	8
TOTAL				16

78100200 TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER				
LOCATION				EACH
STAGE 1				
18+26.04	17' LT	23+29.10	17' LT	12
STAGE 2				
19+04.69	17' RT	23+96.21	17' RT	12
TOTAL				24

78200410 GUARDRAIL MARKERS, TYPE A				
LOCATION				(EACH)
GUARDRAIL				
19+03.62	RT	19+41.12	RT	1
19+32.10	LT	19+69.60	LT	1
22+57.60	RT	22+95.10	RT	1
22+86.08	LT	22+98.58	LT	1
TRAFFIC BARRIER TERMINAL				
		19+41.12	RT	1
		22+86.08	LT	1
TOTAL				6

78300100 PAVEMENT MARKING REMOVAL				AREA (SQ FT)
DESCRIPTION	LOCATION			
WHITE, SKIP-DASH 4"	10+41.36	TO 31+81.21		354
YELLOW, SOLID 4"	15+30.00	TO 27+00.00		579
WHITE, SOLID 8"	17+58.86	TO 24+80.55		335
TOTAL				1,268

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL					
LOCATION					EACH
18+26.00	14' LT	TO 23+20.00	14' LT		12
19+20.00	26' LT	TO 23+80.00	26' LT		10
19+05.00	14' RT	TO 19+68.85	14' RT		2
18+46.00	26' RT	TO 19+68.85	26' RT		2
22+58.35	14' RT	TO 24+00.00	14' RT		4
22+58.35	26' RT	TO 23+58.26	26' RT		2
TEMPORARY					
STAGE 1					
18+26.04	17' LT	TO 19+68.85	17' LT		3
2258.35	17' LT	TO 23+20.10	17' LT		2
STAGE 2					
19+04.69	17' RT	TO 23+96.21	17' RT		12
TOTAL					49

LOCATION						81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL (FOOT)	81900200 TRENCH AND BACKFILL FOR ELECTRICAL WORK (FOOT)
18+20	87' LT	TO 19+90	47' LT			200	200
18+20	90' LT	TO 19+95	47' LT			210	210
22+35	47' LT	TO 22+70	48' LT			50	50
22+40	47' LT	TO 22+70	71' LT			45	45
22+70	48' LT	TO 24+00	85' LT			135	135
22+70	51' LT	TO 24+00	88' LT			135	135
TOTAL						775	775

LOCATION						81603080 UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE (FOOT)	81018700 CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL (FOOT)	81100805 CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL (FOOT)	81900200 TRENCH AND BACKFILL FOR ELECTRICAL WORK (FOOT)
19+25	52' RT	TO 19+90	47' RT			70		70	
19+90	47' RT	TO 22+40	47' RT			280	280		
22+40	47' RT	TO 22+60	50' RT			25		25	
22+60	55' LT	TO 22+75	50' LT			23		23	
22+75	50' LT	TO 22+75	50' RT			100	100		
22+75	50' RT	TO 22+60	50' RT			40		40	
TOTAL						538	100	158	

LOCATION						81018500 CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL (FOOT)	81100605 CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL (FOOT)
17+60	52' LT	TO 18+20	87' LT			70	
17+60	55' LT	TO 18+20	90' LT			70	
19+90	47' LT	TO 22+40	47' LT				280
19+95	47' LT	TO 22+35	47' LT				270
24+00	85' LT	TO 25+00	45' LT			106	
24+00	88' LT	TO 25+00	48' LT			106	
TOTAL						352	550

LOCATION				81300730 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6" EACH	81400100 HANDHOLE EACH
17+60	52' LT			1	
17+60	55' LT			1	
18+20	87' LT			1	
18+20	90' LT			1	
19+90	47' LT		1		
19+90	47' RT		1		
19+95	47' LT		1		
22+35	47' LT		1		
22+40	47' LT		1		
22+40	47' RT		1		
22+70	48' LT			1	
22+70	51' LT			1	
24+00	85' LT			1	
24+00	88' LT			1	
25+00	45' LT			1	
25+00	48' LT			1	
TOTAL				6	10

LOCATION		83600200 LIGHT POLE FOUNDATION, 24" DIAMETER FOOT	84200804 REMOVAL OF POLE FOUNDATION EACH	X8440120 REMOVE AND RE-ERECT EXISTING LIGHTING UNIT EACH
22+60.00	46' RT		1	
22+60.00	50' RT	12		1
TOTAL		12	1	1

LOCATION				Z0062456 TEMPORARY PAVEMENT (SQ YD)	40300100 BITUMINOUS MATERIALS (PRIME COAT) (GALLON)
18+17.64	LT	TO 18+34.25	LT	7	0.3
15+30.00	CL	TO 19+68.85	CL	195	7.8
22+58.35	CL	TO 27+00.00	CL	196	7.8
TOTAL				398	16.0

Z0004552 APPROACH SLAB REMOVAL				AREA (SQ YD)
19+68.85	TO	19+98.85		295
22+28.35	TO	22+58.35		295
TOTAL				590

Z0018900 DRILL AND GROUT DOWEL BARS			EACH
LOCATION			
15+30.00	TO 19+68.85		440
22+58.35	TO 27+00.00		442
TOTAL			882

LOCATION		Z0030260 IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	Z0030330 IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3 (EACH)
18+90.00	RT	1	
22+60.00	LT	1	
19+50.00	RT		1
23+30.00	LT		1
TOTAL		2	2

Z0030850 TEMPORARY INFORMATION SIGNING			AREA (SQ FT)
STAGE 1			
22+50.00	RT		182
22+66.00	RT		136
STAGE 2			
19+50.00	LT		136
19+68.00	LT		144
TOTAL			598


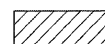
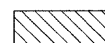

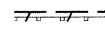


LOCATION				Z0062456 TEMPORARY PAVEMENT (SQ YD)	40600100 BITUMINOUS MATERIALS (PRIME COAT) (GALLON)
18+17.64	LT	TO 18+34.25	LT	7	0.3
15+30.00	CL	TO 19+68.85	CL	195	7.8
22+58.35	CL	TO 27+00.00	CL	196	7.8
TOTAL				398	16.0

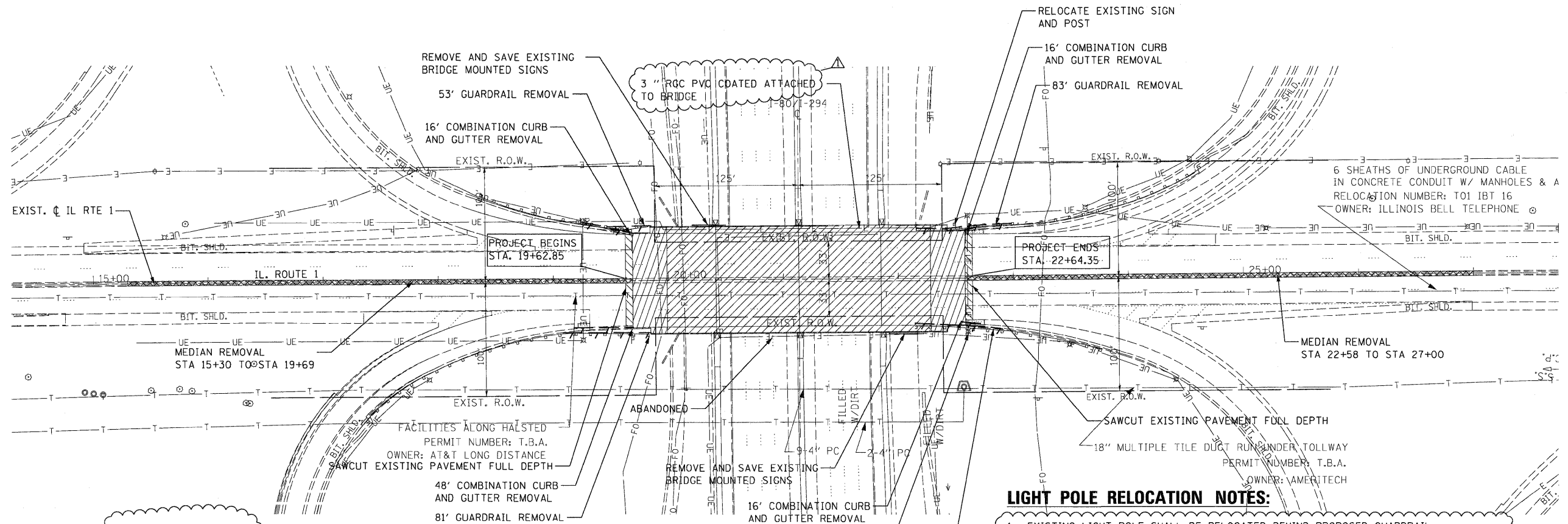
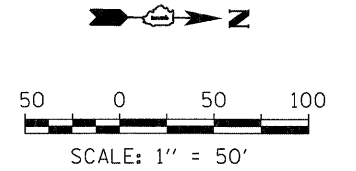
X7240505 RELOCATE SIGN PANEL AND POST			EACH
22+49.00	LT		1
TOTAL			1

X7240605 REMOVE AND RE-ERECT BRIDGE MOUNTED SIGN				EACH
20+15.00	47'	LT		1
20+40.00	47'	LT		1
22+00.00	47'	RT		1
22+25.00	47'	RT		1
TOTAL				4

J1783005 WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY				
DESCRIPTION	LOCATION		AREA (SQ FT)	
WHITE, SOLID 8"	17+99.82	TO 24+35.55		181
WHITE, SOLID 12"	17+99.82	TO 24+36.98		187
TOTAL				368

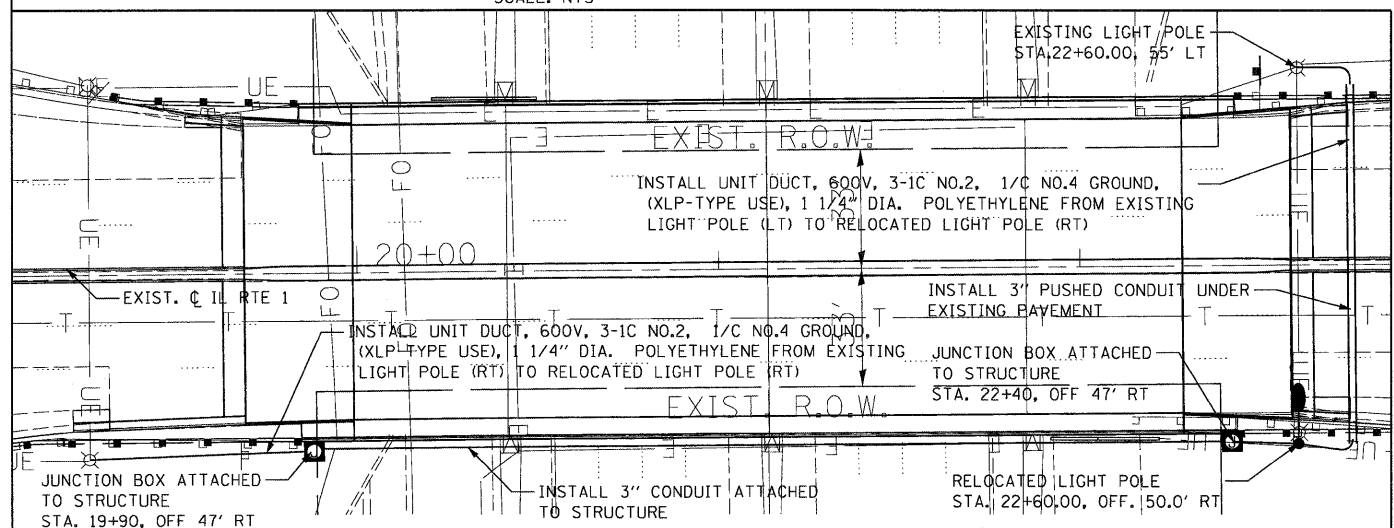
**LEGEND:**

-  BRIDGE APPROACH SLAB REMOVAL
-  SUPERSTRUCTURE REMOVAL (SEE STRUCTURAL PLANS)
-  PAVEMENT REMOVAL
-  PAVED SHOULDER REMOVAL
-  GUARDRAIL REMOVAL
-  MEDIAN REMOVAL
-  CURB AND GUTTER REMOVAL



**LIGHTING PLAN**

SCALE: NTS



**LIGHT POLE RELOCATION NOTES:**

1. EXISTING LIGHT POLE SHALL BE RELOCATED BEHIND PROPOSED GUARDRAIL, TO LOCATION STA. 22+60 OFFSET 50' RT, OR AS DIRECTED BY THE ENGINEER.
2. RELOCATED POLE TO BE RECONNECTED TO EXISTING CONTROLLER AND TO THE SAME CIRCUIT AS EXISTING.
3. NEW SYSTEM SHALL BE PUT IN PLACE TO MAINTAIN EXISTING LIGHTING BEFORE RELOCATION OF EXISTING LIGHTING POLE AND AT THE END OF STAGE I CONSTRUCTION.
4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND UTILITIES BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE ELECTRICAL MAINTENANCE OFFICE AT (847) 221-3079.
5. WORK SHALL CONFORM TO THE LATEST IDOT AND IDOT DISTRICT 1 STANDARDS, SUPPLEMENTAL SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE.
6. RELOCATION OF EXISTING TRAFFIC SIGN ATTACHED TO LIGHT POLE SHALL BE INCLUDED IN THE COST OF LIGHT POLE RELOCATION.
7. LIGHT POLE FOUNDATION SHALL BE CONCRETE, 24" DIAMETER. THE CONTRACTOR SHOULD VERIFY THE BOLT CIRCLE DIAMETER OF THE POLE BEFORE SETTING THE NEW FOUNDATION.
8. EXISTING LIGHTING SYSTEM ALONG IL 1 (HALSTED STREET) TO BE MAINTAINED DURING CONSTRUCTION. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.
9. FOR ADDITIONAL PROPOSED CONDUIT LOCATION SEE PLAN AND PROFILE SHEET.

FILE NAME = 62099CRM01.DGN	USER NAME = helsted	DESIGNED - PK	REVISED - 09/01/2011
		DRAWN - GAP	REVISED -
		CHECKED - RPI	REVISED -
		DATE - 07/01/2011	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

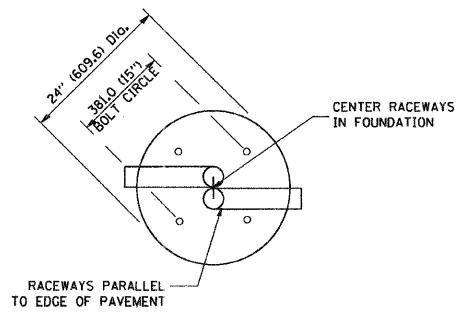
**ILLINOIS RTE 1 OVER TRI-STATE I-80 / I-294  
EXISTING AND REMOVAL PLAN  
LIGHTING PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	2001-001BR	COOK	62	10
CONTRACT NO. 62099				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

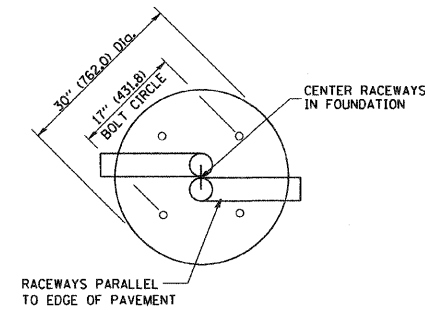
SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

**LIGHT POLE FOUNDATION DEPTH TABLE**  
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

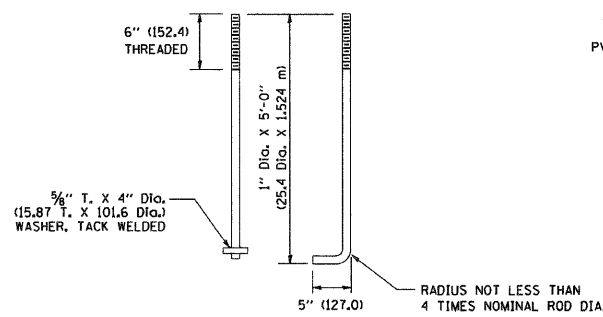
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Ou = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Ou = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Ou = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



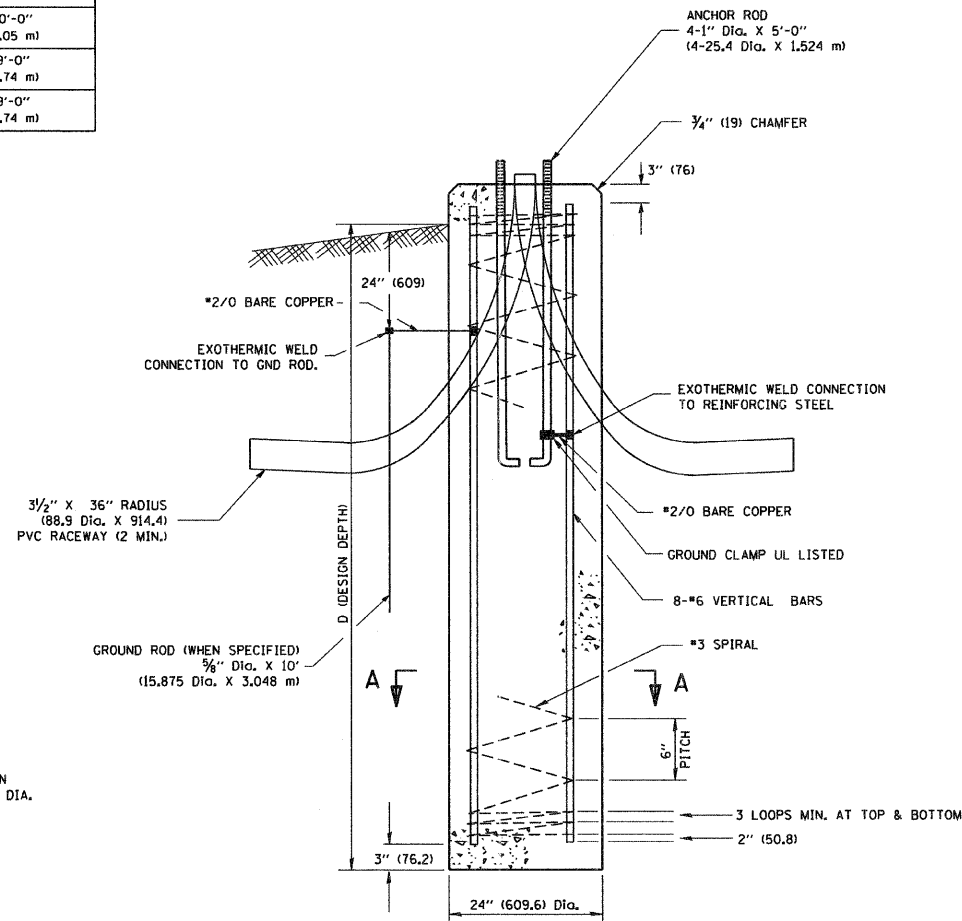
**TOP VIEW**



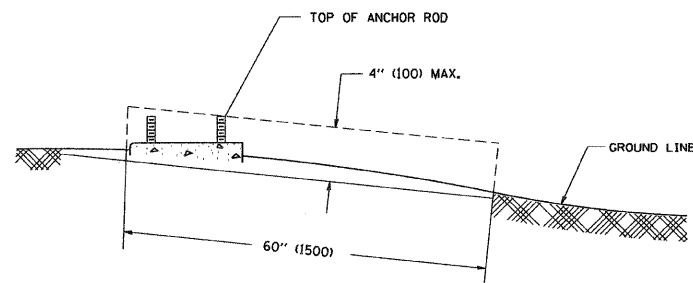
**TOP VIEW**



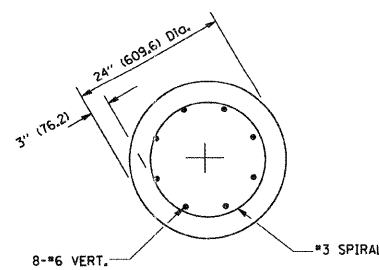
**ANCHOR ROD DETAIL**



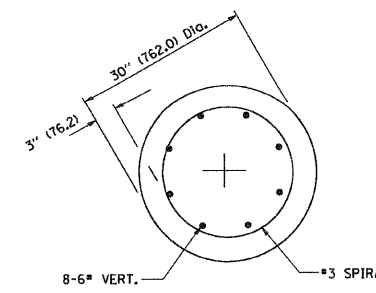
**FOUNDATION DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**



**SECTION A-A**

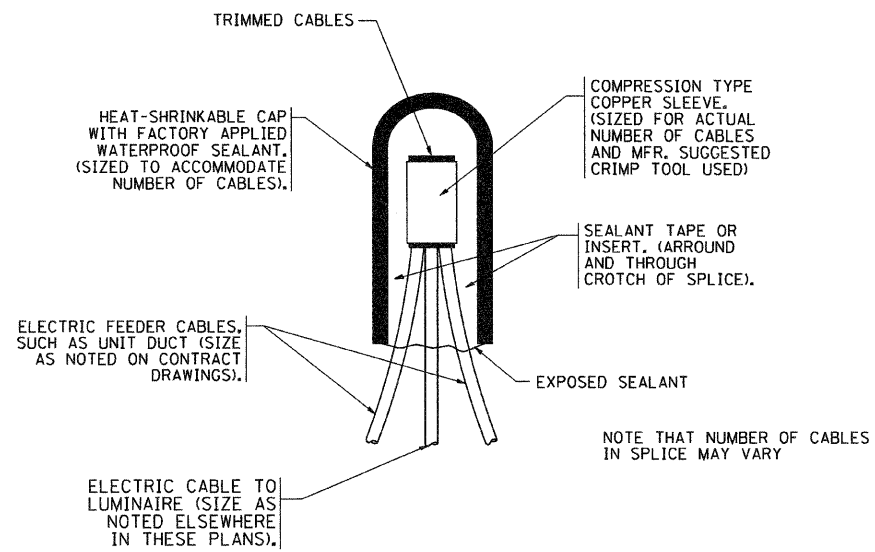
**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION, IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM (6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

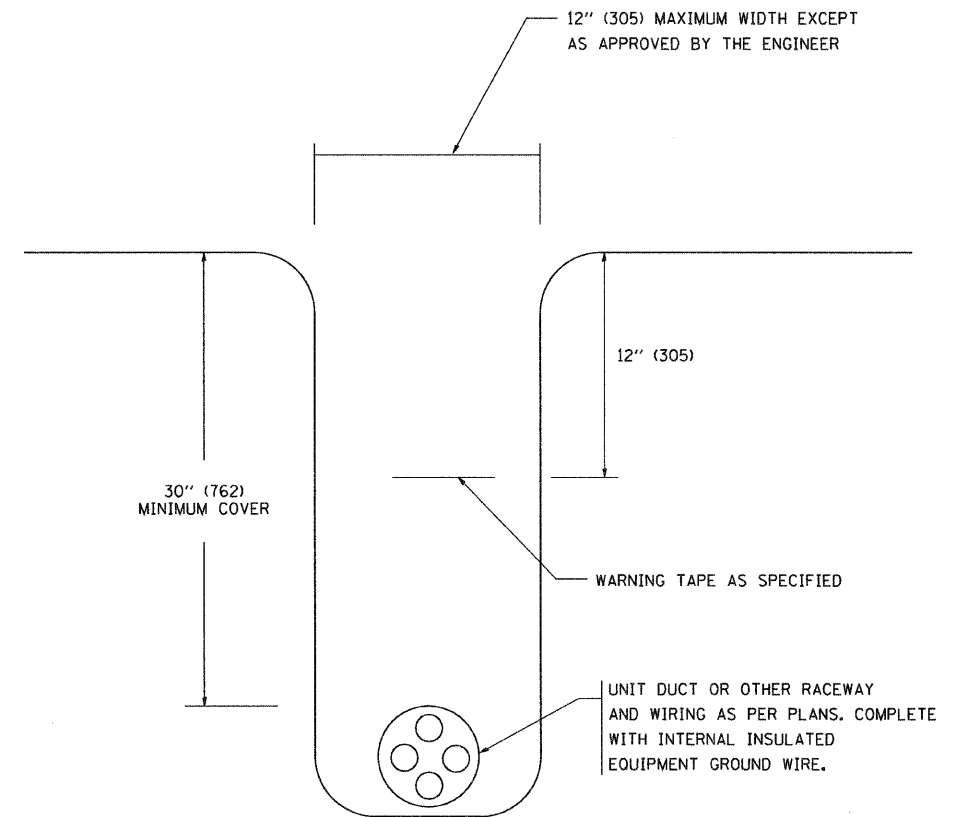
FILE NAME - W:\diststd\22x34\be381.dgn	USER NAME - gegl1nabt	DESIGNED -	REVISED - 04-22-02	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHT POLE FOUNDATION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		40' (12.192 m) TO 47' 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE			876	2001-001BR	COOK	62	52A
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		BE-301 CONTRACT NO. 62099		
		DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

*Added Sheet 9-8-11*

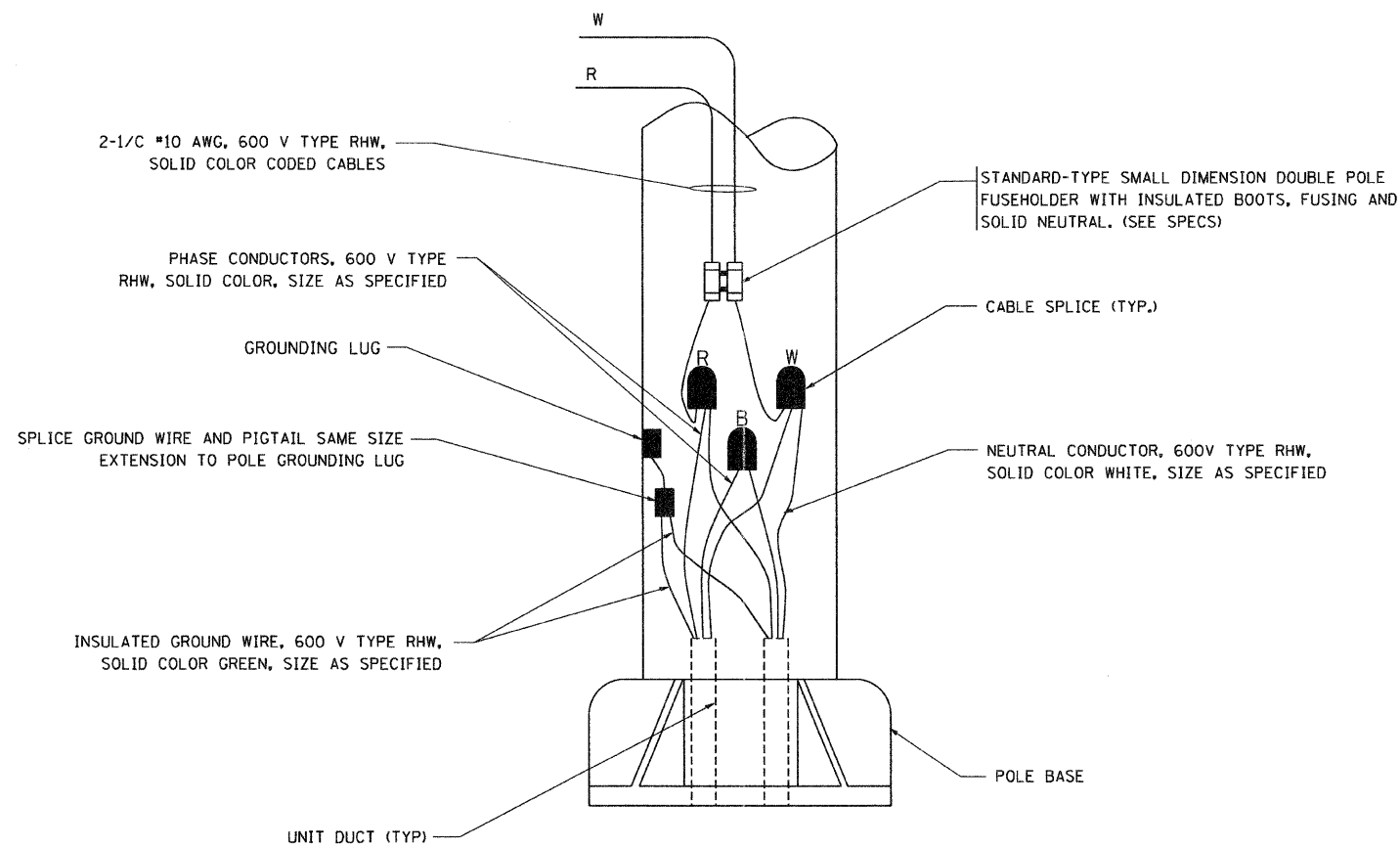




TYPICAL SPLICE DETAIL  
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL  
N.T.S.



POLE WIRING DETAIL  
N.T.S.

FILE NAME = W:\diststd\22x34\be782.dgn	USER NAME = goglianobt	DESIGNED -	REVISED - 08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISC. ELECTRICAL DETAILS SHEET A</b>			F.A.P. RTE. 876	SECTION 2001-001-BR	COUNTY COOK	TOTAL SHEETS 62	SHEET NO. 52B
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -					BE-702				
	PLOT DATE = 1/4/2008	DATE -	REVISED -					CONTRACT NO. 62099				
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

*Added Sheet 9-B-11*