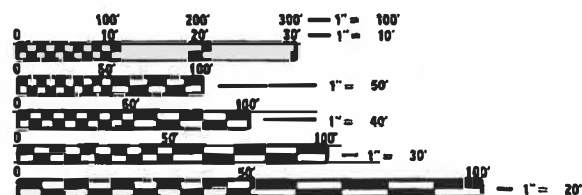


FOR INDEX OF SHEETS 03-11-2022 LETTING ITEM 028

- 1.) COVER SHEET AND INDEX OF SHEETS
- 2.-7.) SUMMARY OF QUANTITIES
- 8.) UTILITIES
- 9.) TRAFFIC SIGNAL REMOVAL
- 10.-13.) TRAFFIC SIGNAL PLAN SHEETS
- 14.) WIRING DIAGRAM AND LUMINAIRE PERFORMANCE TABLE
- 15.) LIGHTING PLANS
- 16.) SIGN DETAILS
- 17.) TYPICAL TRAFFIC PRE-SIGNALS AT RAILROAD GRADE CROSSING
- 18.) TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSING
- 19.) RAILROAD PAVEMENT MARKING DETAILS
- 21.-23.) TYPICAL PAVEMENT MARKING DS 41.1
- 24.-26.) BORING LOGS

STANDARDS

| | |
|-----------|-----------|
| 701006-05 | 805001-01 |
| 701201-05 | 814001-03 |
| 701301-04 | 814006-03 |
| 701311-03 | 821101-02 |
| 701426-09 | 857001-01 |
| 701701-10 | 857006-01 |
| 701901-08 | 862001-01 |
| 720001-01 | 873001-02 |
| 720011-01 | 877011-10 |
| 728001-01 | 878001-11 |
| 729001-01 | 880006-01 |



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 SCOTT KULLERSTRAND 815-284-5468
PROJECT MANAGER KRISTINE HILL 815-284-5476

CONTRACT NO. 64M24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 599 (ANDALUSIA ROAD
SECTION (48MFT, 62MFT)TS-1
PROJECT STP-UR8U(803)
SIGNAL IMPROVEMENT
ROCK ISLAND COUNTY

C-92-049-17



ANDALUSIA RD AT IL 92
604312D

&

ANDALUSIA RD AT
RIDGEWOOD RD
604297D

T-17-N R-2-W

| F.A.D. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO |
|------------|--------------------|----------------|--------------|----------|
| 599 | (48MFT, 62MFT)TS-1 | ROCK ISLAND | 26 | 1 |
| ILLINOIS | | CONTRACT 64M24 | | |

D-92-034-17



LOCATION OF SECTION INDICATED THUS: - [black rectangle symbol]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 08, 20 21

[Signature]
REGIONAL ENGINEER

February 4, 20 22

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

February 4, 20 22

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

| PAY CODE | TRAFFIC SIGNAL TABULATION OF QUANTITIES ITEM | UNIT | 80% FED 20% STATE | 80% FED 13% STATE 7% CITY | TOTAL |
|----------|--|-------|----------------------|---------------------------------|-------|
| | | | IL 92 | Ridgewood | |
| 67100100 | MOBILIZATION | L SUM | 0.5 | 0.5 | 1 |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 0.5 | 0.5 | 1 |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 0.5 | 0.5 | 1 |
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 15 | 7 | 22 |
| 72000200 | SIGN PANEL - TYPE 2 | SQ FT | 55 | 38 | 93 |
| 72400310 | REMOVE SIGN PANEL - TYPE 1 | SQ FT | 15 | 7 | 22 |
| 72400320 | REMOVE SIGN PANEL - TYPE 2 | SQ FT | 55 | 38 | 93 |
| 78009000 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 956 | 0 | 956 |
| 78009004 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" | FOOT | 1759 | 0 | 1759 |
| 78009006 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6" | FOOT | 303 | 0 | 303 |
| 78009008 | MODIFIED URETHANE PAVEMENT MARKING - LINE 8" | FOOT | 2568 | 0 | 2568 |
| 78009012 | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | FOOT | 413 | 0 | 413 |

M:\DCI - Projects\644M24\644M24.dwg
 FILE NAME: 644M24.dwg
 USER: hml
 PLOT DATE: 12/12/2021 08:12:11 AM

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = hml | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 1/8" = 1' 0" | CHECKED - | REVISED - |
| PLOT DATE = Dec-23-2021 08:12:11 AM | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| SUMMARY OF QUANTITIES | |
|-----------------------|------------------------------|
| SCALE | SHEET OF SHEETS STA. TO STA. |

| | | | | |
|--------------------|--------------------|-------------|--------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | 149 MET. 62 MET. 1 | ROCK ISLAND | 25 | 2 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED AID PROJECT | |

| PAY CODE | TRAFFIC SIGNAL TABULATION OF QUANTITIES ITEM | UNIT | 80% FED 20% STATE | 80% FED 13% STATE 7% CITY | TOTAL |
|----------|---|-------|----------------------|---------------------------------|-------|
| | | | IL 92 | Ridgewood | |
| 78009024 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | FOOT | 541 | 0 | 541 |
| 78300201 | PAVEMENT MARKING REMOVAL - GRINDING | SQ FT | 2964 | 0 | 2964 |
| 80500100 | SERVICE INSTALLATION, TYPE A | EACH | 1 | 1 | 2 |
| 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL 4" DIA | FOOT | 48 | 78 | 126 |
| 81028740 | UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 1 1/2" DIA. | FOOT | 14 | 23 | 37 |
| 81028750 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. | FOOT | 0 | 60 | 60 |
| 81028760 | UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 2 1/2" DIA. | FOOT | 198 | 32 | 230 |
| 81028790 | UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 4" DIA. | FOOT | 526 | 260 | 786 |
| 81400700 | HANDHOLE, PORTLAND CEMENT CONCRETE | EACH | 8 | 4 | 12 |
| 81400720 | DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE | EACH | 1 | 1 | 2 |
| 81603010 | UNITDUCT, 600V, 2-1C No 10 GROUND, (XLP-TYPE USE) 3/4" DIA POLYTHYLENE | FOOT | 79 | 136 | 215 |

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 FILE NAME: ...
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| USER NAME = nidi | DESIGNED - | REVISED - |
| PLOT SCALE = 1/8" = 1' / in | DRAWN - | REVISED - |
| PLOT DATE = Dec 23 2021 08 12 24 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE _____ SHEET _____ OF _____ SHEETS STA _____ TO STA _____

| | | | | |
|-------------------|------------------------------|-----------------------|--------------------------|----------------|
| F.A.P. RTE 599 | SECTION (48MFT. 62MFT)S-1 | COUNTY ROCK ISLAND | TOTAL SHEETS 25 | SHEET NO. 3 |
| CONTRACT NO 64M24 | | | ILLINOIS FED AID PROJECT | |

| TRAFFIC SIGNAL TABULATION OF QUANTITIES CONT. | | | 80% FED 20% STATE | 80% FED 13% STATE 7% CITY | |
|---|--|-------|----------------------|---------------------------------|-------|
| PAY CODE | ITEM | UNIT | IL 92 | Ridgewood | TOTAL |
| 81702110 | ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10 | FOOT | 2239 | 1444 | 3683 |
| 82110008 | LUMINAIRE, LED ROADWAY, OUTPUT DESIGNATION H | EACH | 5 | 3 | 8 |
| 83001600 | LIGHT POLE ALUMINUM, 35 FT M.H., 15 FT DAVIT ARM | EACH | 1 | 1 | 2 |
| 83600352 | LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6' | EACH | 1 | 1 | 2 |
| 83800650 | BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN | EACH | 4 | 4 | 8 |
| 84500120 | REMOVAL OF ELECTRIC SERVICE INSTALLATION | EACH | 1 | 1 | 2 |
| 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | L SUM | 1 | 1 | 2 |
| 85700210 | RAILROAD, FULL ACTUATED CONTROLLER AND TYPE IV CABINET | EACH | 1 | 1 | 2 |
| 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C | FOOT | 439 | 392 | 831 |
| 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C | FOOT | 5030 | 2855 | 7885 |
| 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C | FOOT | 1718 | 0 | 1718 |

C:\Users\user\AppData\Local\Temp\Project\Drawings\Traffic_Signals\Drawings\Traffic_Signals.dwg
 User: user
 Date: 12/16/2021 10:16 AM
 Plot Date: 12/16/2021 10:16 AM

| | | | | | |
|--|--|--|---|--|--|
| USER NAME = user PLOT SCALE = 41.2987' / in. PLOT DATE = Dec-23-2021 08:16:10 AM | DESIGNED - DRAWN - CHECKED - DATE - | REVISED - REVISED - REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES SCALE _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____ | F.A.P. RTE. 599 SECTION (48MEL.62MEL1S-1) COUNTY ROCK ISLAND TOTAL SHEETS 25 SHEET NO. 4 CONTRACT NO. 64M24 ILLINOIS FED. AID PROJECT |
|--|--|--|---|--|--|

| PAY CODE | TRAFFIC SIGNAL TABULATION OF QUANTITIES ITEM | UNIT | 80% FED 20% STATE | 80% FED 13% STATE 7% CITY | TOTAL |
|----------|--|------|----------------------|---------------------------------|-------|
| | | | IL 92 | Ridgewood | |
| 87301750 | ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C | FOOT | 58 | 62 | 120 |
| 87301815 | ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 3C | FOOT | 20 | 29 | 49 |
| 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1 C | FOOT | 644 | 430 | 1074 |
| 87502430 | TRAFFIC SIGNAL POST, GALVANIZED STEEL, 9 FT | EACH | 1 | 0 | 1 |
| 87502470 | TRAFFIC SIGNAL POST, GALVANIZED STEEL, 13 FT | EACH | 4 | 1 | 5 |
| 87700170 | STEEL MAST ARM ASSEMBLY AND POLE 26 FT | EACH | 0 | 1 | 1 |
| 87702880 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT | EACH | 0 | 1 | 1 |
| 87702900 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT | EACH | 0 | 1 | 1 |
| 87702920 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT | EACH | 1 | 0 | 1 |
| 87702950 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT | EACH | 1 | 0 | 1 |
| 87702960 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT | EACH | 1 | 0 | 1 |
| 87702970 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT | EACH | 1 | 0 | 1 |

MODEL: UserOut
 PLOT DATE: 12/15/2021 01:02:34 PM
 USER: mfm
 PROJECT: 64M24
 SHEET: 25
 CONTRACT: 64M24

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = mfm | DESIGNED - | REVISED - |
| PLOT SCALE = 1/8" = 1'-0" | DRAWN - | REVISED - |
| PLOT DATE = Dec-15-2021 01:02:34 PM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| SUMMARY OF QUANTITIES | | | |
|-----------------------|-------|----|--------|
| SCALE | SHEET | OF | SHEETS |
| | | | |

| | | | | |
|---------------------------|---------------------|-------------|--------------|-----------|
| F.A.P. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | (48MET.62MET) IS: 1 | ROCK ISLAND | 25 | 3 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| PAY CODE | TRAFFIC SIGNAL TABULATION OF QUANTITIES ITEM | UNIT | 80% FED 20% STATE | 80% FED 13% STATE 7% CITY | TOTAL |
|----------|--|------|----------------------|---------------------------------|-------|
| | | | IL 92 | Ridgewood | |
| 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 15 | 3 | 18 |
| 87800200 | CONCRETE FOUNDATION, TYPE D | FOOT | 3 | 3 | 6 |
| 87800400 | CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER | FOOT | 14 | 37 | 51 |
| 87800415 | CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER | FOOT | 39 | 0 | 39 |
| 88040070 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 3 | 1 | 4 |
| 88040090 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | 10 | 4 | 14 |
| 88040110 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED | EACH | 2 | 2 | 4 |
| 88040120 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED | EACH | 2 | 2 | 4 |
| 88040150 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 6 | 0 | 6 |
| 88200100 | TRAFFIC SIGNAL BACKPLATE | EACH | 12 | 6 | 18 |
| 89100400 | ILLUMINATED SIGN, LED | EACH | 2 | 2 | 4 |

MUPDI Dec 15 2021 01:02:42 PM
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 PLOT DATE: Dec-15-2021 01:02:42 PM

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|------------------------------------|-----------------|----------------|
| USER NAME: mupdi | DESIGNED: _____ | REVISED: _____ |
| PLOT SCALE: 1/8" = 1'-0" | DRAWN: _____ | REVISED: _____ |
| PLOT DATE: Dec-15-2021 01:02:42 PM | CHECKED: _____ | REVISED: _____ |
| | DATE: _____ | REVISED: _____ |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| | | | | |
|--------------------|--------------------------------|---------------------|---------------------------|--------------|
| F.A.P. RATE: 599 | SECTION: (18)MET. 62 MET. (15) | COUNTY: ROCK ISLAND | TOTAL SHEETS: 25 | SHEET NO.: 6 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |

| | | | 80% FED 20% STATE | 80% FED 13% STATE 7% CITY | |
|----------|--|-------|----------------------|---------------------------------|-------|
| | TRAFFIC SIGNAL TABULATION OF QUANTITIES | | | | |
| PAY CODE | ITEM | UNIT | IL 92 | Ridgewood | TOTAL |
| 89500120 | REMOVE EXISTING SERVICE INSTALLATION | EACH | 1 | 1 | 2 |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | L SUM | 1 | 1 | 2 |
| 89502380 | REMOVE EXISTING HANDHOLE | EACH | 8 | 4 | 12 |
| 89502382 | REMOVE EXISTING DOUBLE HANDHOLE | EACH | 1 | 1 | 2 |
| 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 10 | 6 | 16 |
| X0322281 | WIDE AREA VIDEO DETECTION SYSTEM COMPLETE | EACH | 1 | 1 | 2 |
| X1400214 | SPARE RAILROAD FULL ACTUATED CONTROLLER, SPECIAL | EACH | 1 | 1 | 2 |
| X1400267 | REMOVAL OF EXISTING LIGHTING, NO SALVAGE | EACH | 4 | 2 | 6 |
| X4402810 | ISLAND SURFACE REMOVAL AND REPLACEMENT | SQ FT | 907 | 54 | 961 |
| X8250091 | COMBINATION LIGHTING CONTROLLER | EACH | 1 | 1 | 2 |
| X8950105 | REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET | EACH | 1 | 1 | 2 |
| Z0033068 | TRAFFIC SIGNAL BATTERY BACKUP SYSTEM | EACH | 1 | 1 | 2 |
| Z0048665 | RAILROAD PROPERTY LIABILITY INSURANCE | L SUM | 0.5 | 0.5 | 1 |

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = NJKI | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 1:1920 = 1/2" IN | CHECKED - | REVISED - |
| PLOT DATE = Dec 15 2021 01:02:49 PM | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| | | | | |
|--------------------------|-------------------|-------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | (18MFT.62MFT)TS-1 | ROCK ISLAND | 25 | 7 |
| | | | CONTRACT NO. 64M24 | |
| ILLINOIS FED AID PROJECT | | | | |

NSCL Default
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C:\Program Files\Autodesk\LT14\bin\ltx.dll
C:\Program Files\Autodesk\LT14\bin\ltx.dll

The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

| UTILITIES | | | |
|--|----------------|--------------|--|
| NAME AND ADDRESS | TYPE | TELEPHONE | |
| MR. ROGER GRANELL GENESEO TELEPHONE CO. 111 E 1ST STREET GENESEO, IL 61254 | TELEPHONE | 309-944-8025 | JULIE MEMBER? YES CALL 800-892-0123 |
| MR. KARL DERRICK MID AMERICAN ENERGY CO. 5955 FENNO ROAD BETTENDORF, IA 52722 | ELECTRIC | 563-333-8706 | JULIE MEMBER? YES CALL 800-892-0123 |
| MR. DENNIS JARDING MEDIACOM 3900-26TH AVENUE MOLINE, IL 61265 | CATV | 309-743-4750 | JULIE MEMBER? YES CALL 800-892-0123 |
| MR. DAVID FERREIRA KENTUCKY DATA LINK INC. 13935 BISHOPS DRIVE BROOKFIELD, WI 53005 | COMMUNICATIONS | 414-313-9032 | JULIE MEMBER? CALL |
| MR. STEVEN SEIVER VILLAGE OF MILAN 321 W. 2ND AVENUE MILAN, IL 61264 | WATER & SEWER | 309-787-8507 | JULIE MEMBER? YES CALL 800-892-0123 |
| MR. MIKE KANE CITY OF ROCK ISLAND 1309 MILL STREET ROCK ISLAND, IL 61201 | WATER & SEWER | 309-732-2238 | JULIE MEMBER? YES CALL 800-892-0123 |
| MR. HECTOR GARCIA AT&T 1000 COMMERCE DRIVE OAK BROOK, IL 60523 | TELEPHONE | 630-573-5465 | JULIE MEMBER? YES CALL 800-892-0123 |

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

MODEL: Default
FILE NAME: I:\Utilities\pxm\brntlex.com\PROJECTS\Operations\DOT\Office\Utilities\8152845469\TrafficSignals\Sheet\8152845469.ctb

| | | |
|-------------------------------------|----------|---------|
| USER NAME = hllsk1 | DESIGNED | REVISED |
| | DRAWN | REVISED |
| PLOT SCALE = 42.1606' / in. | CHECKED | REVISED |
| PLOT DATE = Dec-08-2021 09:56:29 AM | DATE | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITIES

| | | | | |
|--------------------------|-------------------------------|-----------------------|---------------------|----------------|
| F.A.P. RTE: 599 | SECTION (48MET. 62MET)S: 1 | COUNTY ROCK ISLAND | TOTAL SHEETS .29 | SHEET NO. 8 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED AID PROJECT | | | | |

SCALE: SHEET OF SHEETS STA. TO STA.

ANDALUSIA RD AT IL 92

89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT LUMP SUM:

- 3 - COMBINATION MAST ARM ASSEMBLIES 44'
- 1 - COMBINATION MAST ARM ASSEMBLY 40'
- 4 - TRAFFIC SIGNAL POSTS (3 ON ISLAND, 1 IN MEDIAN)
- 12 - 3 SECTION MAST ARM MOUNTED SIGNAL HEADS
- 8 - 3 SECTION BRACKET MOUNTED SIGNAL HEADS
- 3 - 5 SECTION BRACKET MOUNTED SIGNAL HEADS
- 2 - ILLUMINATED "NO TURN" SIGNS MAST ARM MOUNTED
- 2 - ILLUMINATED "NO TURN" SIGNS BRACKET MOUNTED
- ALL WIRE REMOVED FROM CONDUIT

89502380 REMOVE EXISTING HANDHOLE EACH 8

89502382 REMOVE EXISTING DOUBLE HANDHOLE EACH 1

89502385 REMOVE EXISTING FOUNDATIONS EACH 10
(4 - TYPE E, 5 - TYPE A AND 1 TYPE D FOUNDATIONS)

X8950105 REMOVE EXISTING TRAFFIC CONTROLLER CABINET EACH 1

X1400267 REMOVAL OF LIGHTING, NO SALVAGE EACH 4

ANDALUSIA RD AT RIDGEWOOD

89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT LUMP SUM:

- 2 - COMBINATION MAST ARM ASSEMBLIES 44'
- 1 - MAST ARM ASSEMBLY 40'
- 1 - TRAFFIC SIGNAL POSTS (3 ON ISLAND, 1 IN MEDIAN)
- 4 - 3 SECTION MAST ARM MOUNTED SIGNAL HEADS
- 8 - 3 SECTION BRACKET MOUNTED SIGNAL HEADS
- 2 - 5 SECTION MAST ARM MOUNTED SIGNAL HEADS
- 1 - 5 SECTION BRACKET MOUNTED SIGNAL HEAD
- 2 - ILLUMINATED "NO TURN" SIGNS MAST ARM MOUNTED
- 2 - ILLUMINATED "NO TURN" SIGNS BRACKET MOUNTED
- ALL WIRE REMOVED FROM CONDUIT

89502380 REMOVE EXISTING HANDHOLE EACH 6

89502382 REMOVE EXISTING DOUBLE HANDHOLE EACH 1

89502385 REMOVE EXISTING FOUNDATIONS EACH 6
(4 - TYPE E, 1 - TYPE A AND 1 TYPE D FOUNDATIONS)



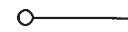











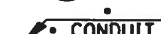
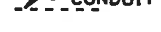
X8950105 REMOVE EXISTING TRAFFIC CONTROLLER CABINET EACH 1

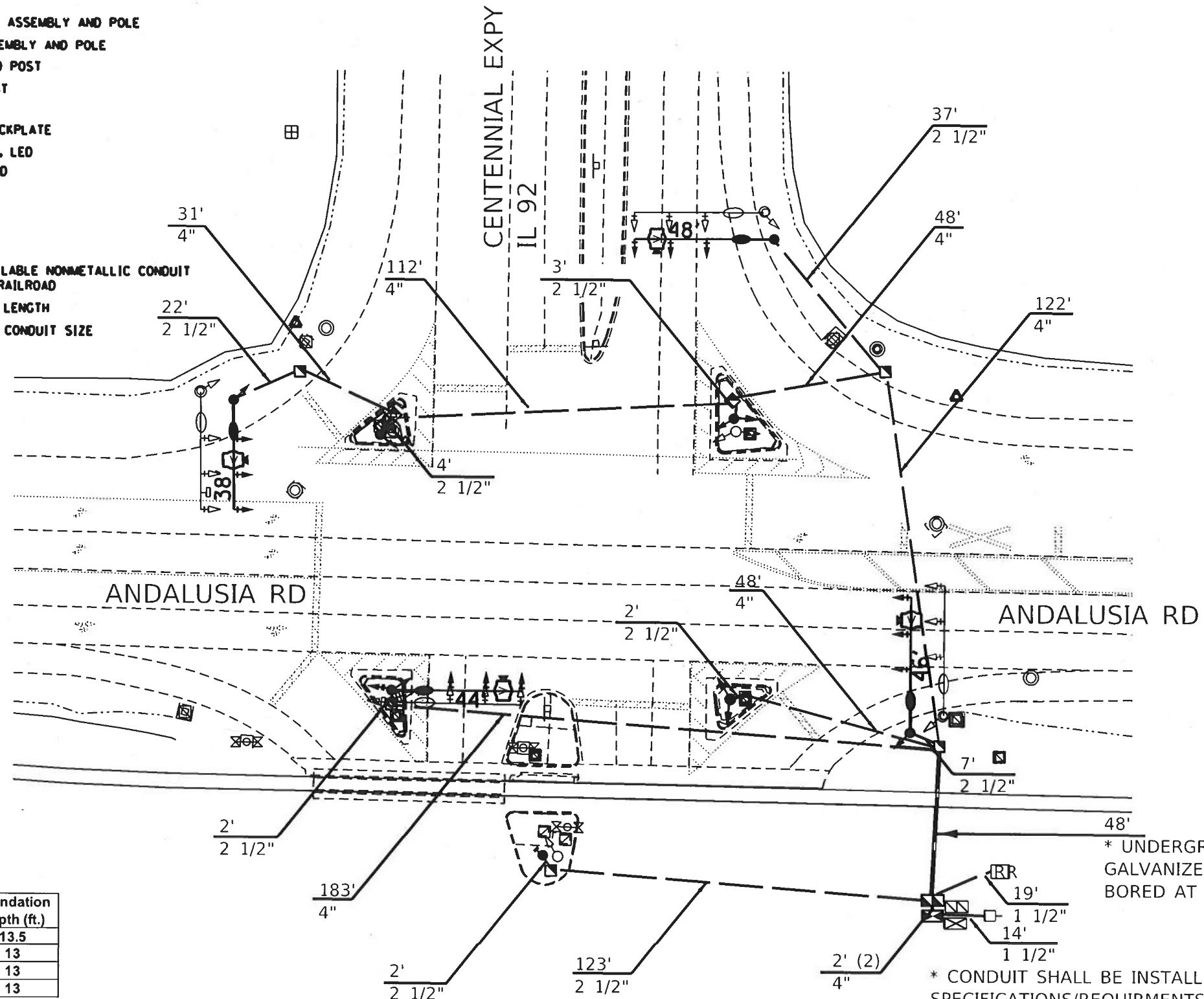
X1400267 REMOVAL OF LIGHTING, NO SLAVAGE EACH 2

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FILE NAME P:\w00024\Documents\W00T_01\Drawings\Traffic_Signals\64M24\Operations\Traffic_Signals\64M24_Signals.dwg

| | | | | | | | | | | | | |
|-------------------------------------|------------|-----------|---|-------------------------------|-----------------------------|--------------------------|--------------------|--------------------------|-------------|--------|--------------|-----------|
| USER NAME = hltkt | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL REMOVAL | | | | F.A.P. RTE = | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 42.1666' / in. | DRAWN - | REVISED - | | SCALE: _____ | SHEET _____ OF _____ SHEETS | STA. _____ TO STA. _____ | .599 | (48MET, 62MET)TS-1 | ROCK ISLAND | 24 | 9 | |
| PLOT DATE = Dec-09-2021 09:56:30 AM | CHECKED - | REVISED - | | | | | CONTRACT NO. 64M24 | | | | | |
| | DATE - | REVISED - | | | | | | ILLINOIS FED AID PROJECT | | | | |
| | | | | | | | | | | | | |

LEGEND

-  EXISTING CONTROLLER
-  NEW CONTROLLER
-  EXISTING STEEL MAST ARM ASSEMBLY AND POLE
-  NEW STEEL MAST ARM ASSEMBLY AND POLE
-  EXISTING SIGNAL HEAD AND POST
-  NEW SIGNAL HEAD AND POST
-  EXISTING SIGNAL HEAD
-  NEW SIGNAL HEAD WITH BACKPLATE
-  EXISTING ILLUMINTED SIGN, LED
-  NEW ILLUMINATED SIGN, LED
-  EXISTING HANDHOLE
-  NEW HANDHOLE
-  NEW DOUBLE HANDHOLE
-  NEW LUMINAIRE, LED
-  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT
-  GALVANIZED STEEL UNDER RAILROAD
- UPPER NUMERAL INDICATES LENGTH
- LOWER NUMERAL INDICATES CONDUIT SIZE



| Mast Arm Length (ft) | Foundation Diameter | Foundation Depth (ft.) |
|----------------------|---------------------|------------------------|
| 38 | 30 | 13.5 |
| 44 | 36 | 13 |
| 46 | 36 | 13 |
| 48 | 36 | 13 |

* UNDERGROUND CONDUIT, GALVANIZED STEEL 4" DIA BORED AT MIN. 5.5'

* CONDUIT SHALL BE INSTALL WITH ALL RAILROAD SPECIFICATIONS/REQUIRMENTS INCLUDING COORDINATION WITH THE CITY OF ROCK ISLAND AND THEIR SIGNAL MAINTAINER CONTRACTOR. THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE CONDUIT.

MUPLE: P:\P\Rail\...
 FILE NAME: P:\P\Rail\...

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = hiki | DESIGNED - | REVISED - |
| PLOT SCALE = 42 1606' / in | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:56:41 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
ANDALUSIA RD AT IL 92

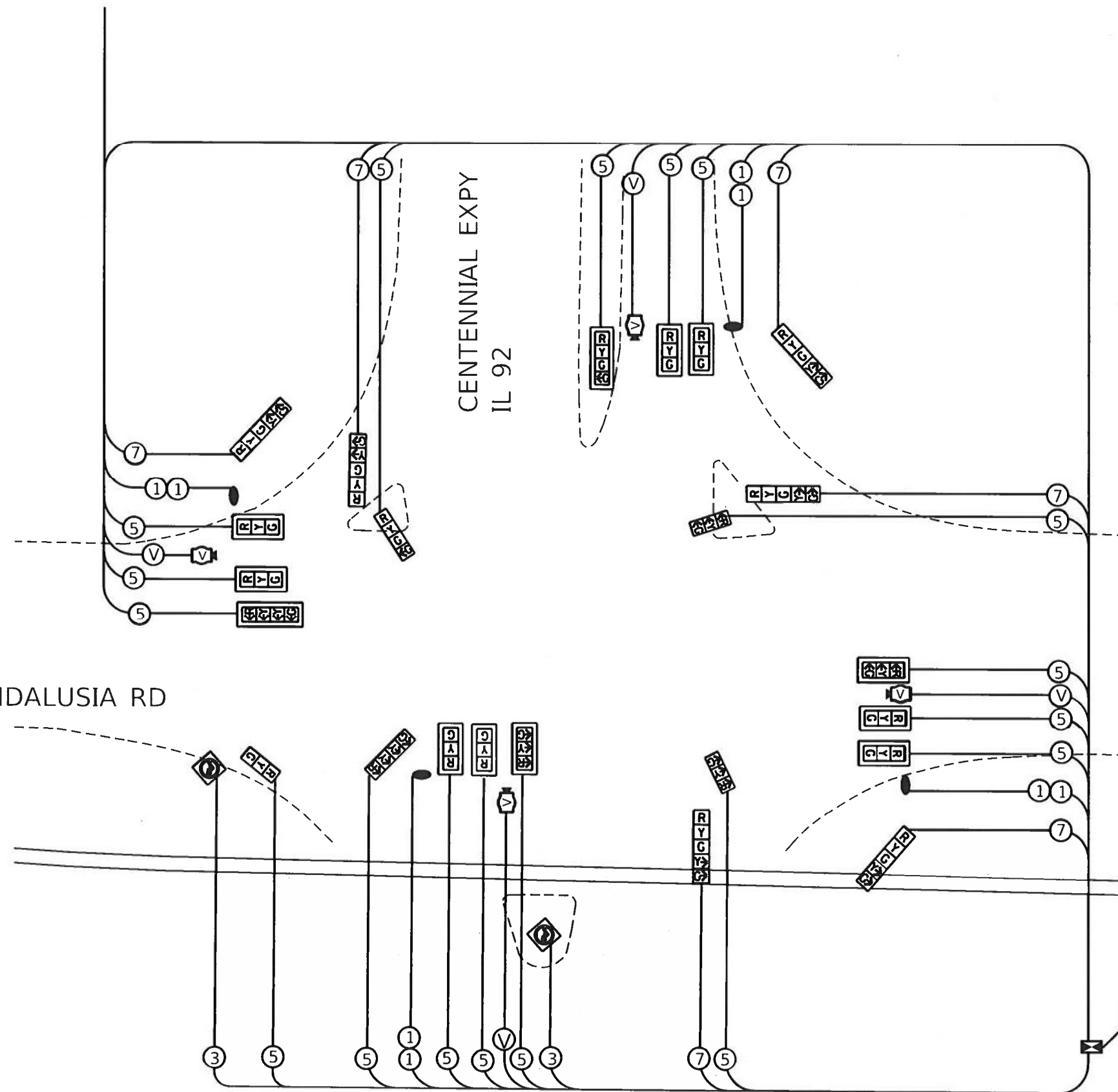
SCALE: SHEET OF SHEETS STA TO STA

| | | | | |
|--------------------|--------------------|-------------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | (48MET, 62MFT)TS-1 | ROCK ISLAND | 24 | 19 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |

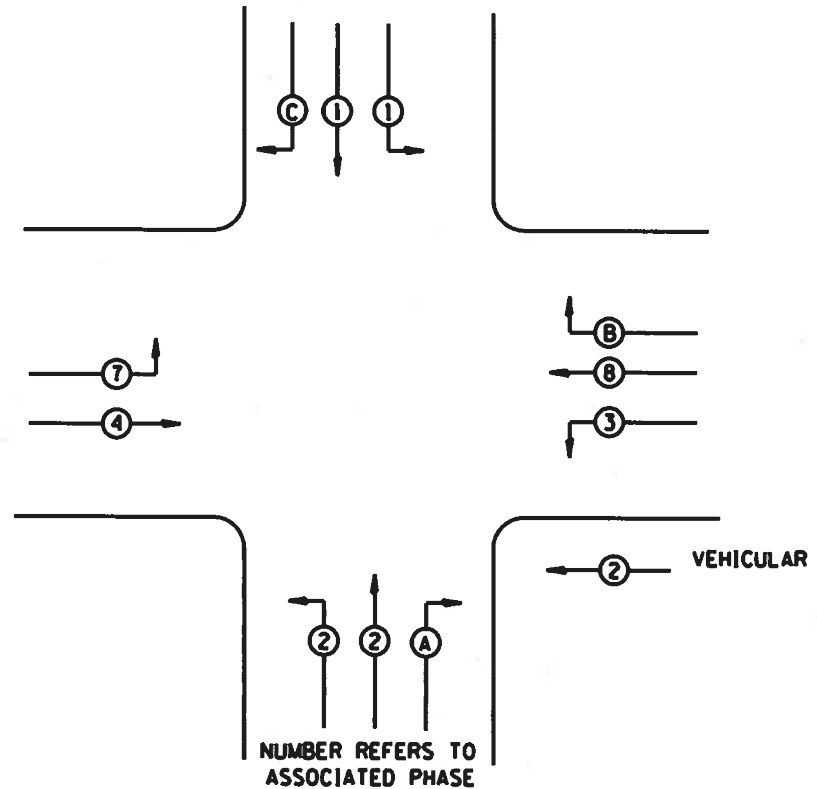


ANDALUSIA RD

CENTENNIAL EXPY
IL 92



PHASE DESIGNATION DIAGRAM
REFER TO STANDARD 857001



OLA = 3
OLB = 1
OLC = 7
RR PREEMPTION
TRACK CLEAR = 2
DWELL = 4+8
PHASE 7, EBLT SHALL FLASH YELLOW DURING DWELL
PHASE 3, WBLT SHALL BE RED DURING DWELL

LEGEND

- VIDEO VEHICLE DETECTOR SYSTEM
- INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED. "P" INDICATES PAIR CABLE
- NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
- NEW PEDESTRIAN HEAD - LED
- PEDESTRIAN PUSHBUTTON
- LED SEE LIGHTING WIRING DETAILS
- RR INTERCONNECT

MODEL: D:\hbk\...
 FILE NAME: C:\Users\hbk\...

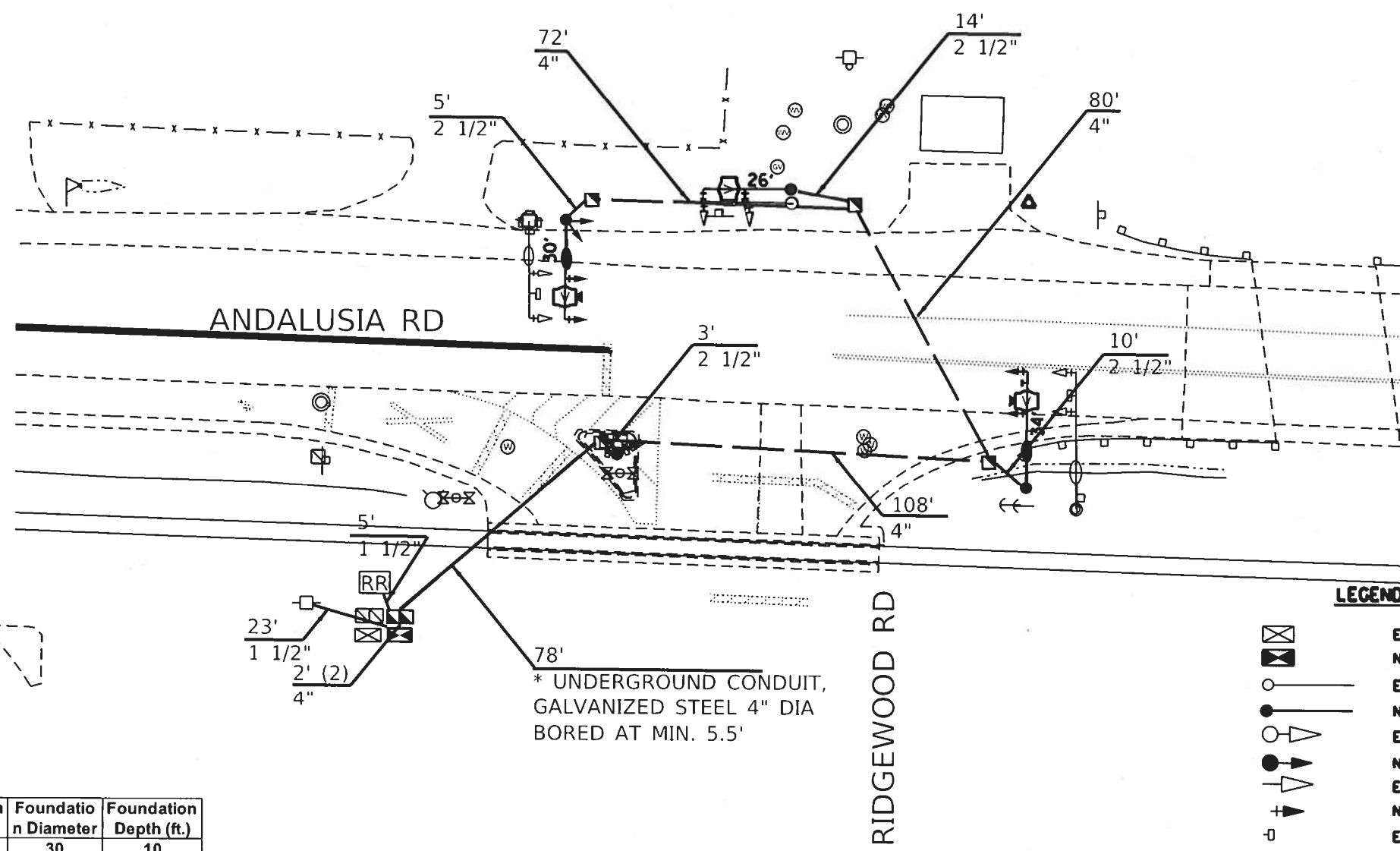
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|-------------------------------------|------------|-----------|
| USER NAME = hbk | DESIGNED - | REVISED - |
| PLOT SCALE = 42 3385' / in. | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:56:50 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLANS
ANDALUSIA AT IL 92

SCALE: SHEET ___ OF SHEETS STA TO STA

| F A P R T E | SECTION | COUNTY | TOTAL SHEETS | SHEET NO |
|---------------------------|---------------------|-------------|--------------|----------|
| 599 | (48MFT, 62MFT)S:1.. | ROCK ISLAND | 24 | 11 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| Mast Arm Length | Foundation Diameter | Foundation Depth (ft.) |
|-----------------|---------------------|------------------------|
| 26 | 30 | 10 |
| 30 | 30 | 13.5 |
| 34 | 30 | 13.5 |

* CONDUIT SHALL BE INSTALL WITH ALL RAILROAD SPECIFICATIONS/REQUIRMENTS INCLUDING COORDINATION WITH THE RAILROAD. THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE CONDUIT.

* UNDERGROUND CONDUIT, GALVANIZED STEEL 4" DIA BORED AT MIN. 5.5'

- LEGEND**
- EXISTING CONTROLLER
 - NEW CONTROLLER
 - EXISTING STEEL MAST ARM ASSEMBLY AND POLE
 - NEW STEEL MAST ARM ASSEMBLY AND POLE
 - EXISTING SIGNAL HEAD AND POST
 - NEW SIGNAL HEAD AND POST
 - EXISTING SIGNAL HEAD
 - NEW SIGNAL HEAD WITH BACKPLATE
 - EXISTING ILLUMINTED SIGN, LED
 - NEW ILLUMINATED SIGN, LED
 - EXISTING HANDHOLE
 - NEW HANDHOLE
 - NEW DOUBLE HANDHOLE
 - NEW LUMINAIRE, LED
 - UNDERGROUND CONDUIT, COILAIBLE NONMETALLIC CONDUIT GALVANIZED STEEL UNDER RAILROAD
- UPPER NUMERAL INDICATES LENGTH
LOWER NUMERAL INDICATES CONDUIT SIZE

MODEL: Default
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|-------------------------------------|------------|-----------|
| USER NAME = hiki | DESIGNED - | REVISED - |
| PLOT SCALE = 42.3385' / in | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:57:04 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

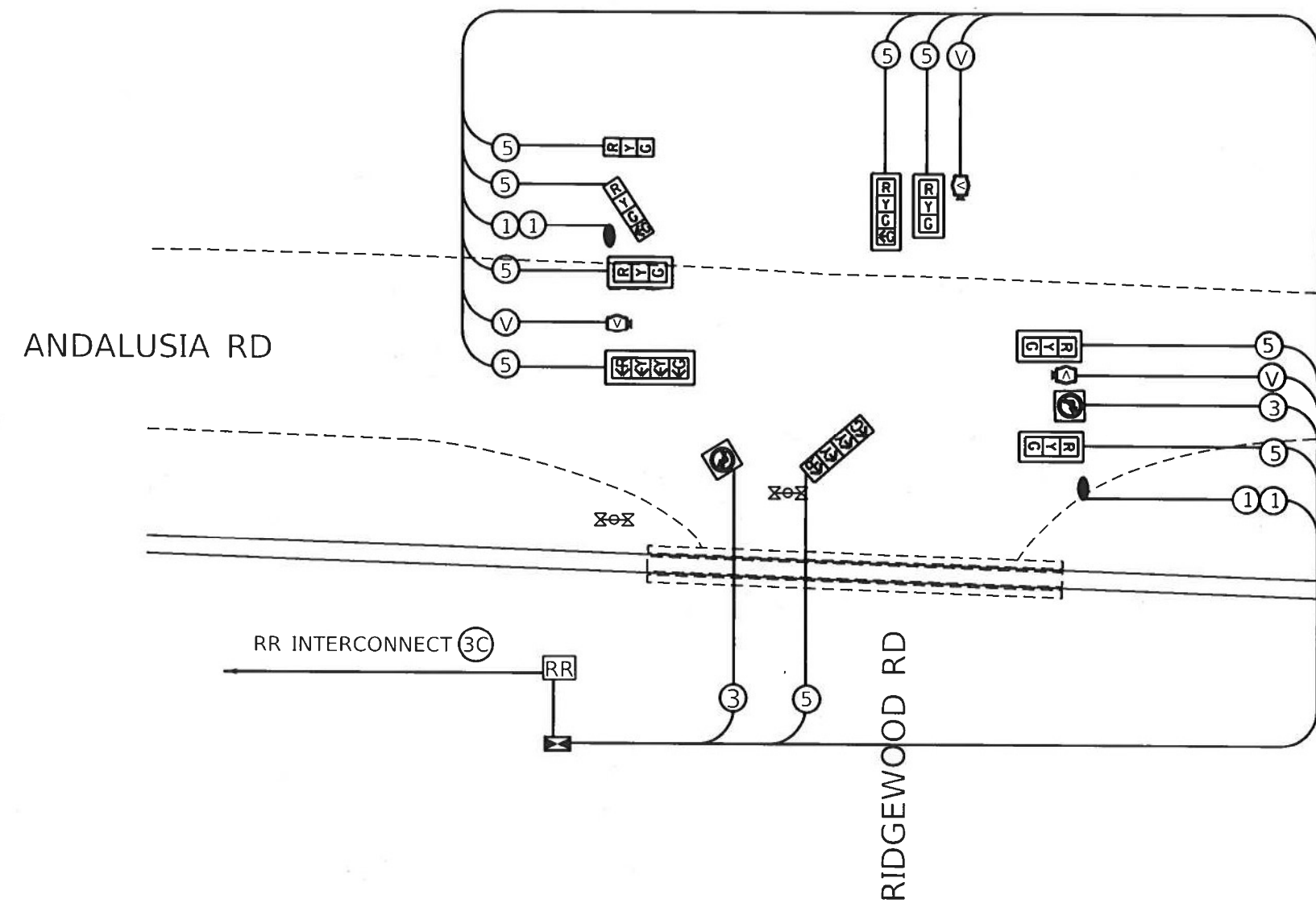
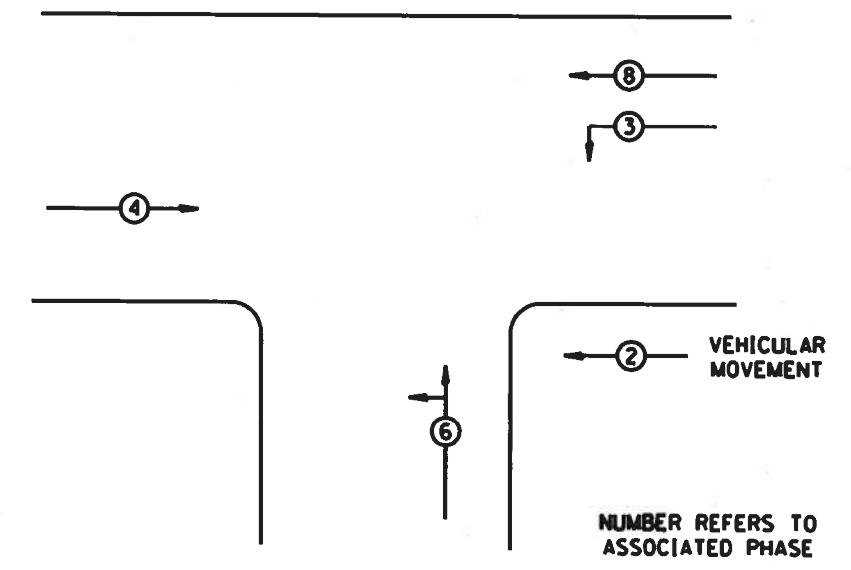
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLANS
ANDALUSIA AT RIDGEWOOD**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| | | | | |
|--------------------|-----------------------------|----------------------|-------------------|---------------------------|
| F.A.P. RTE. = 599 | SECTION = (48MFT, 62MFT)S:1 | COUNTY = ROCK ISLAND | TOTAL SHEETS = 24 | SHEET NO. = 12 |
| CONTRACT NO. 64M24 | | | | ILLINOIS FED. AID PROJECT |

PHASE DESIGNATION DIAGRAM



- LEGEND**
- (V) VIDEO VEHICLE DETECTOR SYSTEM
 - (2) INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED. "P" INDICATES PAIR CABLE
 - [R Y G] NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
 - [P] NEW PEDESTRIAN HEAD - LED
 - (P) PEDESTRIAN PUSHBUTTON
 - LED SEE LIGHTING WIRING DETAILS



MODEL: Default
FILE NAME: p:\Users\paw.liberthy.com\paw.liberthy.com\Projects\Operations\Traffic Signal\Sheets\02_64M24_0133.dwg

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = Null | DESIGNED - | REVISED - |
| PLOT SCALE = 42.3385' / in. | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:57:13 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN
ANDALUSIA AT RIDGEWOOD**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| | | | | |
|--------------------|-------------------------------|---------------------|---------------------------|---------------|
| F.A.P. RTE: 599 | SECTION: (48MFT, 62MFT) IS: 1 | COUNTY: ROCK ISLAND | TOTAL SHEETS: 24 | SHEET NO.: 13 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |

LUMINAIRE PERFORMANCE TABLE

Project

| | | | |
|---------|-----------------|----------------|-------------|
| Date | Contract Number | Section Number | County |
| 4/26/21 | 64M24 | | ROCK ISLAND |

| | |
|---|--------------|
| Marked Route Number | Municipality |
| IL 92/ANDALUSIA AT CENTENNIAL & RIDGEWOOD | ROCK ISLAND |

Roadway

| | | | | |
|------------|------------|--------------|-------------------------------|--------------|
| Lane Width | # of Lanes | Median Width | I.E.S. Surface Classification | 0-Zero Value |
| 14 FT | 3 | N/A | R3 | 0.07 |

Structure

| | | | |
|-----------------|------------|----------|--|
| Mounting Height | Arm Length | Set Back | Number of Luminaires (Highmast & Sign Lighting Only) |
| 35 FT | 15 FT | 15 FT | N/A |

Luminaire

| | | | |
|-------------------------------|-----------------------------|------------------------------|------------------|
| Description | I.E.S. Lateral Distribution | I.E.S. Vertical Distribution | |
| ROADWAY, OUTPUT DESIGNATION H | TYPE III | MEDIUM | |
| Total Light Loss Factor (LLF) | BUG Rating | Shields | Dimming Protocol |
| 0.7 | U = 0 | N/A | 0-10V |

Layout

| |
|---|
| Spacing (to Nearest 5 Ft) Configuration (Opposite, Staggered, 1 Sided, or Median) |
| 200 FT SINGLE SIDED |

Performance

| | | | |
|---|-------------------------------------|-------------------------------------|--|
| Average Illuminance, E_{avg} (fc) | Uniformity Ratio, E_{avg}/E_{min} | | |
| GREATER THAN OR EQUAL TO 0.8 | LESS THAN OR EQUAL TO 3.0:1 | | |
| Average Luminance, L_{avg} (cd/m ²) | Uniformity Ratio, L_{avg}/L_{min} | Uniformity Ratio, L_{max}/L_{min} | Veiling Luminance Ratio, L_v/L_{min} |
| GREATER THAN OR EQUAL TO 0.6 | LESS THAN OR EQUAL TO 3.5:1 | N/A | LESS THAN OR EQUAL TO 0.3:1 |

Light Trespass

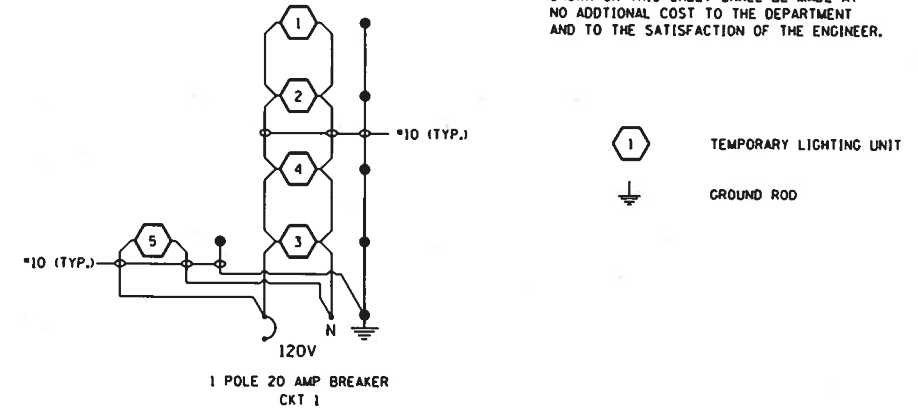
| | | |
|-------------------------------|---------------------------------------|-------------------------------------|
| Distance to ROW (behind pole) | Max. Horizontal Illuminance at ROW, E | Max. Vertical Illuminance at ROW, E |
| N/A | N/A | N/A |

Notes

- Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.
- Calculations shall be performed in one direction only.
- Compliance with performance criteria shall be held to one significant digit.
- Initial lumens of the proposed luminaire may be higher or lower than the values specified in the table given in Article 1067.06 of the BDE Special Provision for Luminaire, LED.

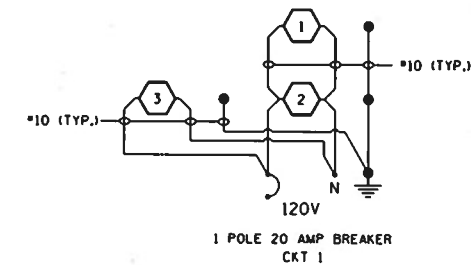
NOTES:

- ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.



IL 92/ANDALUSIA RD AT CENTENNIAL EXPY

COMBINATION LIGHTING/TRAFFIC SIGNAL CONTROLLER



ANDALUSIA RD AT RIDGEWOOD RD

COMBINATION LIGHTING/TRAFFIC SIGNAL CONTROLLER

MODEL: D:\proj\64M24\64M24.dwg
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 PROJECT: 64M24
 SECTION: 64M24

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = h/lll | DESIGNED - | REVISED - |
| PLOT SCALE = 1/4" = 1'-0" | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:59:21 AM | CHECKED - | REVISED - |
| | DATE | REVISED |

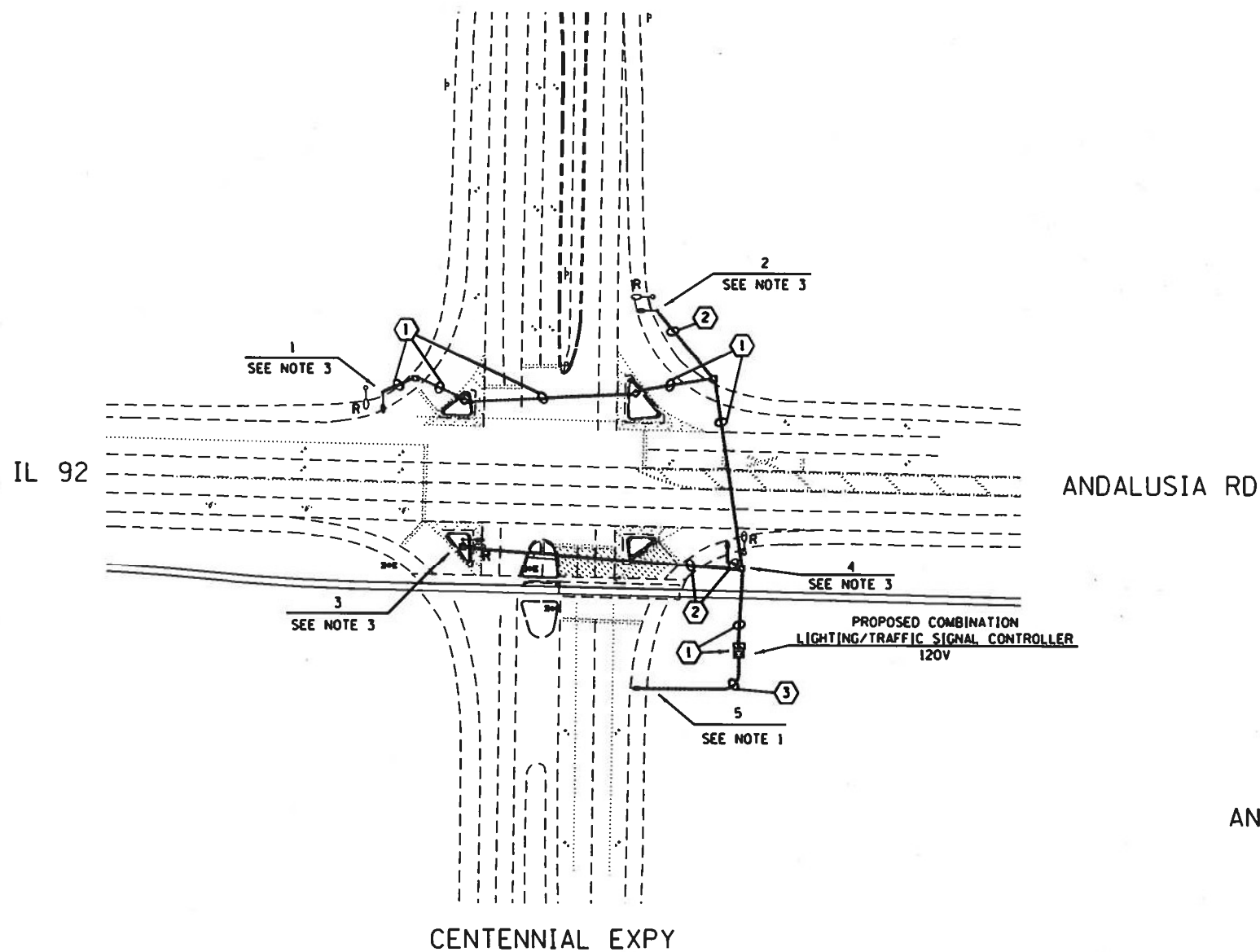
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM &
LUMINAIRE PERFORMANCE TABLE







SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------------|-------------|--------------|-----------|
| 599 | (48MET, 62MFT) IS: 1 | Rock Island | 26 | 14 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

IL 92/CENTENNIAL EXPY

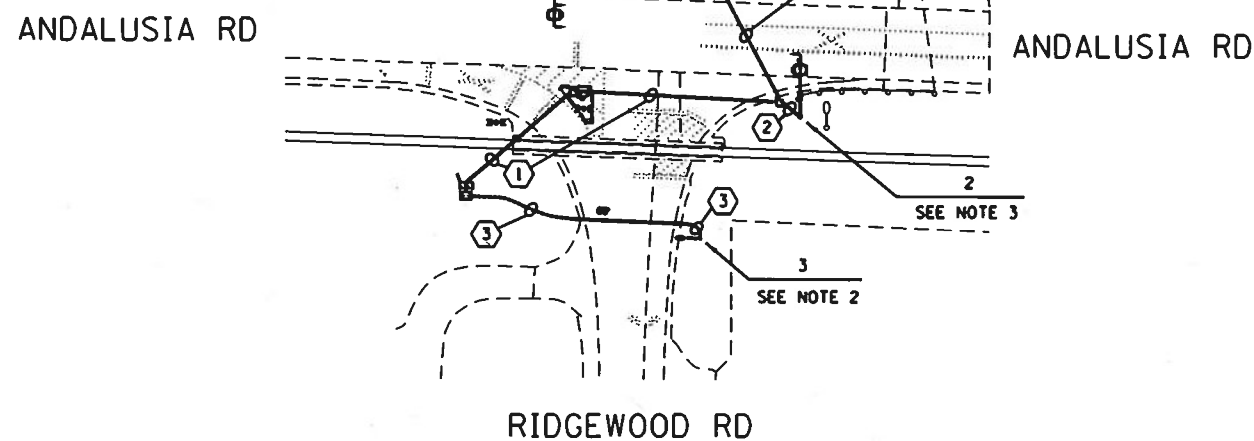


LEGEND

-  PROPOSED COMBINATION LIGHTING/TRAFFIC SIGNAL CONTROLLER
-  PROPOSED HANDHOLE
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  PROPOSED LIGHTING UNIT, ALUMINUM POLE, 35 FT MOUNTING HEIGHT, 15 FT DAVIT ARM, BREAKAWAY COUPLINGS WITH STAINLESS STEEL SCREEN, WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
-  PROPOSED CONDUCTOR IN UNDERGROUND RACEWAY, TYPE AND SIZE AS NOTED
-  PROPOSED COILABLE NONMETALLIC CONDUIT 2" DIA. LENGTH AS NOTED

NOTES:

1. INSTALL LIGHT POLE 60 FEET SOUTH OF THE RAILROAD CROSSING AT A 15 FOOT SETBACK
2. INSTALL LIGHT POLE 45 FEET SOUTH OF THE RAILROAD CROSSING AT A 15 FOOT SETBACK
3. INSTALL LIGHTING UNIT ON COMBINATION TRAFFIC SIGNAL/LIGHTING POLE



CONDUCTOR SCHEDULE

- ① ELECTRIC CABLE IN CONDUIT, 600V, 2/1-C NO. 10, 1-C NO. 10 GND (XLP-TYPE USE)
- ② ELECTRIC CABLE IN CONDUIT, 600V, 3/1-C NO. 10, 1-C NO. 10 GND (XLP-TYPE USE)
- ③ UNIT DUCT, 600V, 2-1C NO. 10, 1-C NO. 10 GND (XLP-TYPE USE) 3/4 IN POLYETHYLENE

HIGHWAY STANDARDS:

- 821101-02 LUMINAIRE WIRING IN POLE
- 830006-05 LIGHT POLE ALUMINUM DAVIT ARM
- 836001-04 LIGHT POLE FOUNDATION

E2

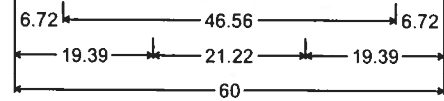
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| | | |
|-------------------------------------|------------|-----------|
| USER NAME = hllbl | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 1/4" = 1'-0" | CHECKED - | REVISED - |
| PLOT DATE = Dec-08-2021 09:59:29 AM | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

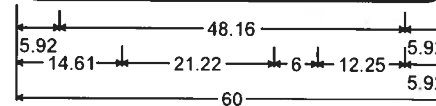
| LIGHTING PLANS | | | |
|----------------|-------------|---------------|--------|
| SCALE: _____ | SHEET _____ | OF _____ | SHEETS |
| STA. _____ | | TO STA. _____ | |

| | | | | |
|---------------------------|-------------------------------|---------------------|------------------|--------------|
| F.A.P. RTE: 599 | SECTION: (48MFT, 62MFT) IS: 1 | COUNTY: Rock Island | TOTAL SHEETS: 26 | SHEET NO: 15 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



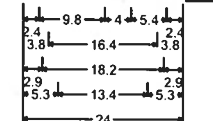
Andalusia Road;
3.00" Radius, 1.00" Border, White on Green;
[Andalusia] D; [Road] D;
Table of widths and spaces.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|------|------|---|------|------|---|------|------|---|------|-------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|
| 6.72 | A | 5.85 | 1.58 | n | 3.91 | 1.82 | d | 3.90 | 1.82 | a | 3.91 | 2.28 | l | 1.09 | 2.28 | u | 3.90 | 1.67 | s | 3.90 | 1.83 | l | 1.09 | 1.82 | a | 3.91 | 6.72 |
| 19.39 | R | 4.70 | 1.54 | o | 4.06 | 1.29 | a | 3.91 | 1.82 | d | 3.90 | 19.39 | | | | | | | | | | | | | | | |

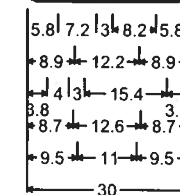


Ridgewood Road AR;
3.00" Radius, 1.00" Border, White on Green;
[Ridgewood] D; [Road] D;
Standard Arrow Custom 12.25" X 7.13" 0°;
Table of widths and spaces.

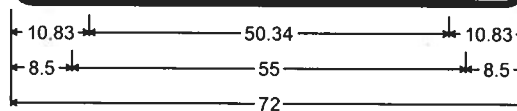
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|-------|---|-------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|
| 5.92 | R | 4.70 | 2.00 | i | 1.09 | 1.82 | d | 3.90 | 1.83 | g | 3.90 | 1.82 | e | 3.91 | 1.29 | w | 6.09 | 1.21 | o | 4.06 | 1.29 | o | 4.06 | 1.29 | d | 3.90 | 5.92 |
| 14.61 | R | 4.70 | 1.54 | o | 4.06 | 1.30 | a | 3.90 | 1.82 | d | 3.90 | | | | | | | | | | | | | | | | |
| 6.00 | → | 12.25 | 5.92 | | | | | | | | | | | | | | | | | | | | | | | | |



R10-5L_24x30;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on, White;
"LEFT ON", C;
"GREEN", D;
"ARROW", D;
"ONLY", D;

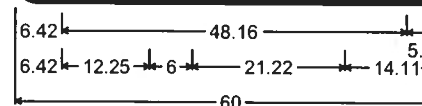


R10-1109;
1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
[LEFT TURN] C 2K;
[YIELD] C 2K;
[ON FLASHING] C 2K;
[YELLOW] C 2K;
[ARROW] C 2K;



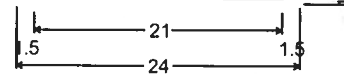
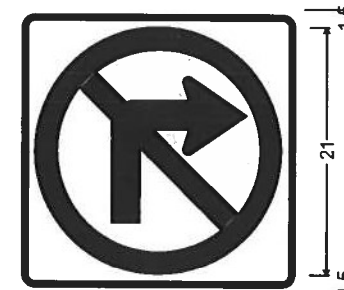
Centennial Expressway;
3.00" Radius, 1.00" Border, White on Green;
[Centennial] D; [Expressway] D;
Table of widths and spaces.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|-------|
| 10.83 | C | 4.71 | 1.57 | e | 3.91 | 1.86 | n | 3.91 | 1.66 | t | 3.05 | 1.34 | e | 3.90 | 1.87 | n | 3.90 | 2.28 | n | 3.90 | 2.28 | i | 1.10 | 1.82 | a | 3.90 | 2.28 | i | 1.10 | 10.83 |
| 8.50 | E | 4.26 | 1.50 | x | 4.68 | 1.73 | p | 3.91 | 1.82 | r | 2.97 | 0.87 | e | 3.90 | 1.25 | s | 3.90 | 1.17 | s | 3.90 | 1.21 | w | 6.08 | 1.21 | a | 3.91 | 1.66 | y | 5.07 | 8.50 |



Ridgewood Road AL;
3.00" Radius, 1.00" Border, White on Green;
[Ridgewood] D;
Standard Arrow Custom 12.25" X 7.13" 180°;
[Road] D;
Table of widths and spaces.

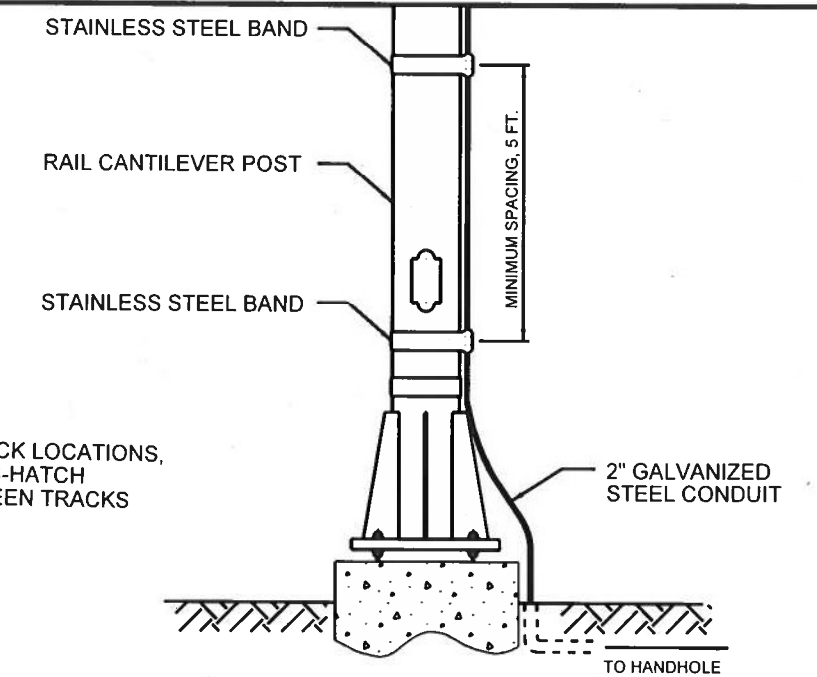
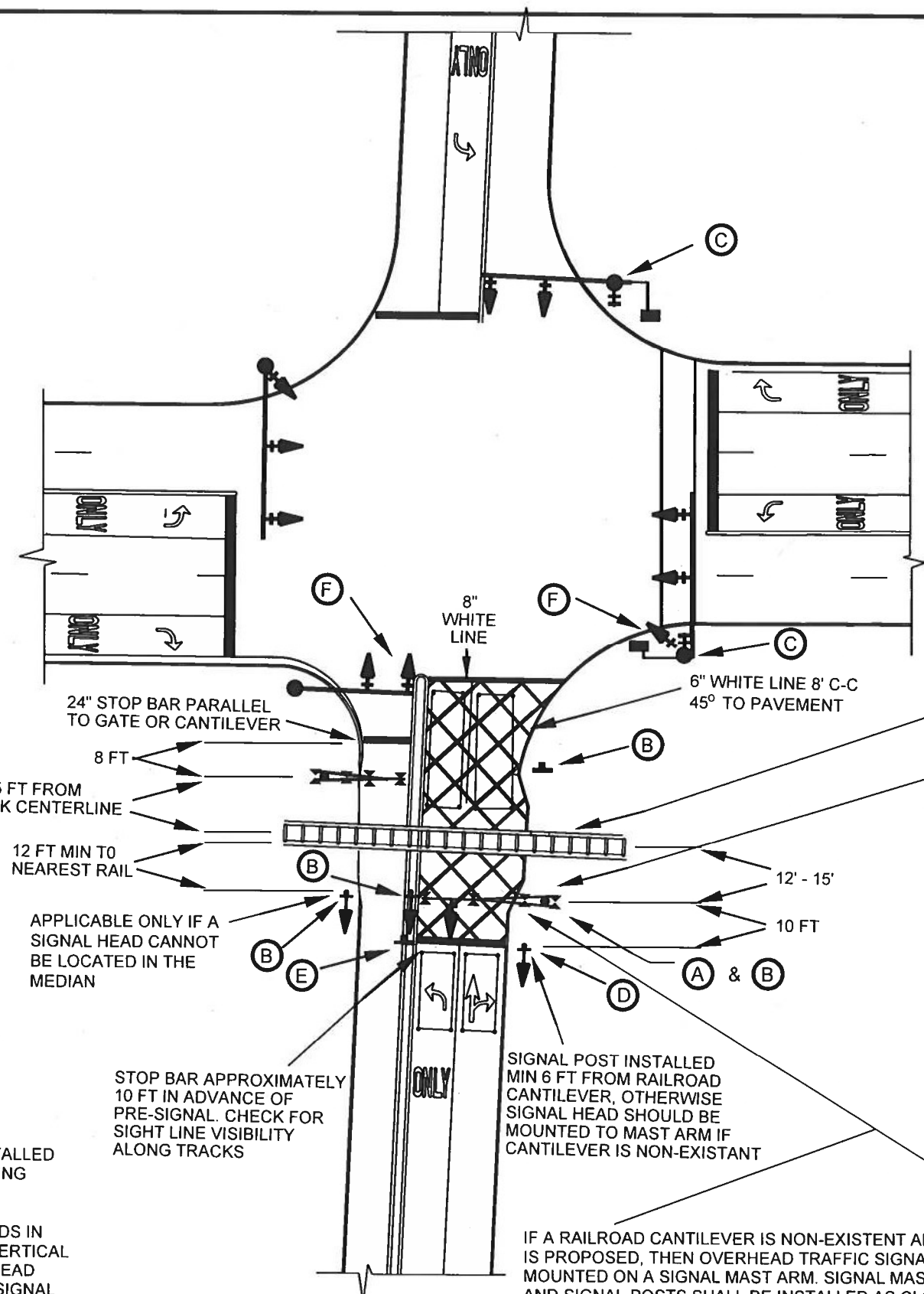
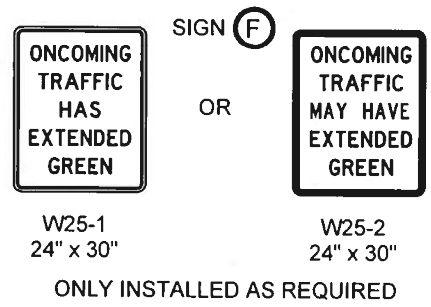
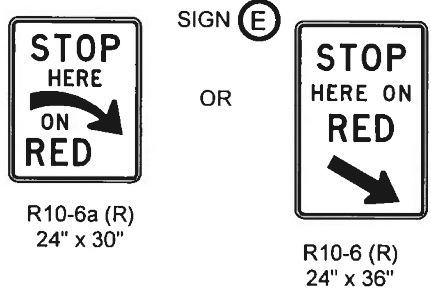
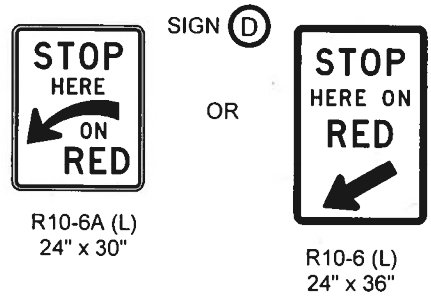
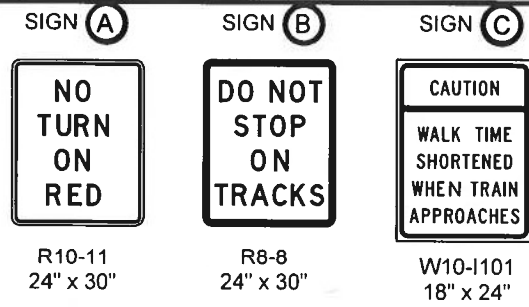
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|-------|------|---|------|------|---|------|------|---|------|-------|---|------|------|---|------|------|---|------|------|---|------|------|---|------|------|
| 6.42 | R | 4.70 | 2.00 | i | 1.09 | 1.82 | d | 3.90 | 1.83 | g | 3.90 | 1.82 | e | 3.91 | 1.29 | w | 6.09 | 1.21 | o | 4.06 | 1.29 | o | 4.06 | 1.29 | d | 3.90 | 5.42 |
| 6.42 | ← | 12.25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.00 | R | 4.70 | 1.54 | o | 4.06 | 1.29 | a | 3.90 | 1.83 | d | 3.90 | 14.11 | | | | | | | | | | | | | | | |



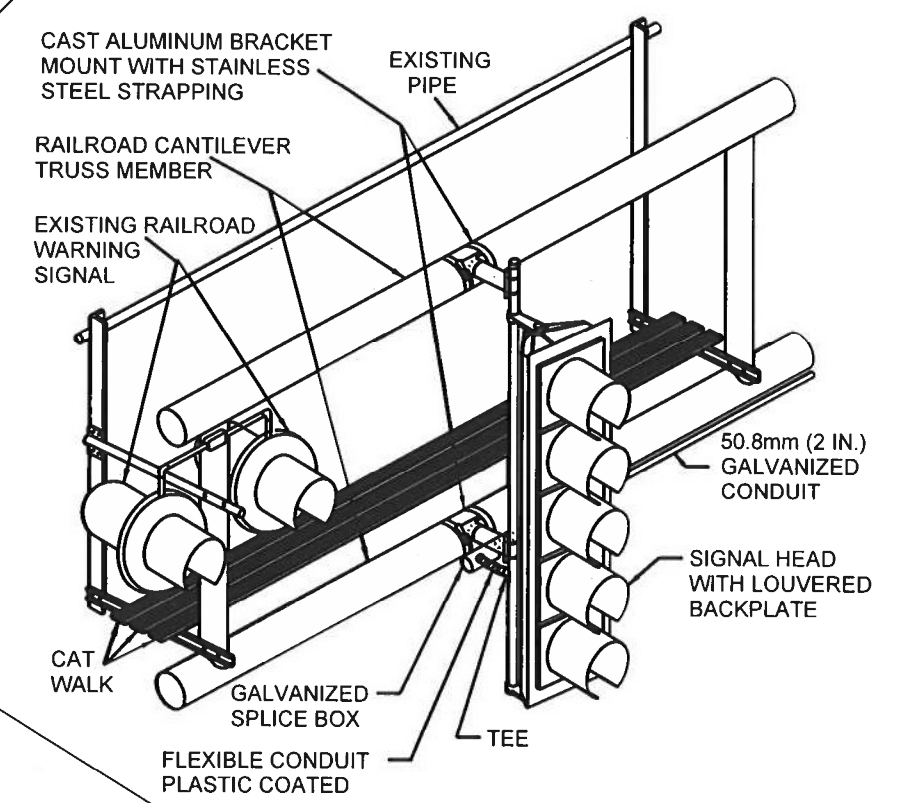
R3-1 MIN & STD.
1.5" Radius, 0.6" Border, 0.4" Indent, Black on, White;
NOTE:
R3-1 SHALL BE USED FOR PAYCODE
89100400 ILLUMINATED SIGN, LED
BLANK OUT SIGN

MUC01 - Default
 File Name: P:\Work\dw_bentley.com\p11111\Bentley\11111 - 01111\11111.dwg
 Plot Date: 12/08/2021 09:57:21 AM
 User Name: niki
 Designed: _____
 Drawn: _____
 Checked: _____
 Date: _____
 Revised: _____
 Revised: _____
 Revised: _____
 State of Illinois Department of Transportation
 Scale: _____
 Sheet _____ of _____ sheets
 Station _____ to _____
 Section _____
 County _____
 Total Sheets _____
 Sheet No. _____
 Contract No. 64M24
 Illinois Fed. Aid Project

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|---|--|--|--|---------------------|--|--|--|---|--|
| USER NAME = niki DESIGNED - DRAWN - CHECKED - DATE - | | | | REVISED - REVISED - REVISED - REVISED - | | | | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | SIGN DETAILS | | | | F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO. RTE. (48MFT, 62MFT) IS: 1 ROCK ISLAND 26 16 | |
| PLOT SCALE = 42.3385' / in PLOT DATE = Dec 08 2021 09:57:21 AM | | | | | | | | | | | | | | | | SCALE: SHEET OF SHEETS STA. TO STA. | |



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING
 USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.
 N.T.S.

CROSS-HATCH PAVEMENT MARKINGS MAY BE INSTALLED IN OPPOSITE DIRECTION LANES OF GRADE CROSSING APPROACH AS NEEDED.

PRE-SIGNAL POST MOUNTED TRAFFIC SIGNAL HEADS IN THE MEDIAN SHALL BE INSTALLED AT A MINIMUM VERTICAL CLEARANCE OF 4.5 FT FROM BOTTOM OF SIGNAL HEAD THE MEDIAN SURFACE. POST-MOUNTED TRAFFIC SIGNAL HEADS NOT IN THE MEDIAN SHALL BE INSTALLED AT A MINIMUM VERTICAL CLEARANCE OF 8 FT FROM BOTTOM OF SIGNAL HEAD TO SIDEWALK OR PAVEMENT GRADE

STOP BAR APPROXIMATELY 10 FT IN ADVANCE OF PRE-SIGNAL. CHECK FOR SIGHT LINE VISIBILITY ALONG TRACKS

SIGNAL POST INSTALLED MIN 6 FT FROM RAILROAD CANTILEVER, OTHERWISE SIGNAL HEAD SHOULD BE MOUNTED TO MAST ARM IF CANTILEVER IS NON-EXISTANT

IF A RAILROAD CANTILEVER IS NON-EXISTENT AND NONE IS PROPOSED, THEN OVERHEAD TRAFFIC SIGNAL TO BE MOUNTED ON A SIGNAL MAST ARM. SIGNAL MAST ARM AND SIGNAL POSTS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE RAILROAD TRACKS WITHOUT OBSTRUCTING ANY RAILROAD WARNING DEVICES. SIGNAL MAST ARM AND POSTS SHALL BE 12 FT. FROM NEAREST RAIL.

MODEL: Default
 FILE NAME: p:\projects\64M24\Drawings\Traffic_Signals\64M24_Signals_Sheets\07_64M24_Signals.dwg

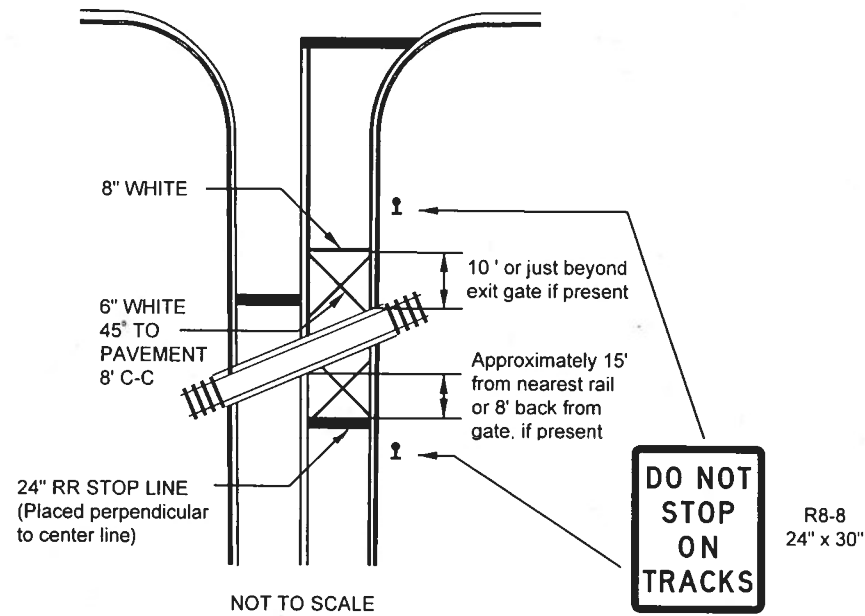
| | | |
|-------------------------------------|------------------|-----------------|
| USER NAME = nitki | DESIGNED - _____ | REVISED - _____ |
| PLOT SCALE = 42.3385 / in | DRAWN - _____ | REVISED - _____ |
| PLOT DATE = Dec-08-2021 09:57:30 AM | CHECKED - _____ | REVISED - _____ |
| | DATE - _____ | REVISED - _____ |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

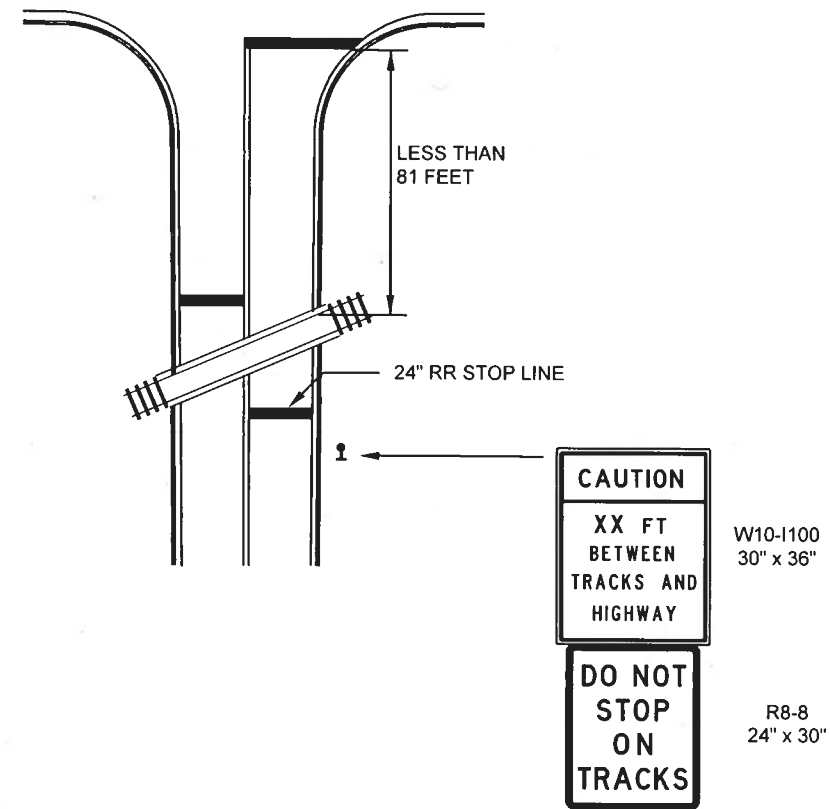
| | | | | | | |
|---|-----------------------------|-------------------|---------------------------------|----------------------|-------------------|----------------|
| TYPICAL TRAFFIC PRE-SIGNALS AT RAILROAD GRADE CROSSING | | F.A.P. RTE. = 529 | SECTION = (88)M.L. 947M.L.113-1 | COUNTY = ROCK ISLAND | TOTAL SHEETS = 26 | SHEET NO. = 17 |
| SCALE: _____ | SHEET _____ OF _____ SHEETS | STA. _____ | TO STA. _____ | CONTRACT NO. 64M24 | | |
| ILLINOIS FED. AID PROJECT | | | | | | |

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

WITH SIGNALIZED INTERSECTION



WITH NON-SIGNALIZED INTERSECTION
81' or less to closest rail



Note:

1. Cross-hatch pavement markings may be installed in opposite direction lanes of grade crossing approach as needed.
2. Where near-side traffic signals are used the pavement markings extend to the intersection. (See Detail for Pre-Signals)
3. At multiple track locations, continue cross-hatch markings between tracks on pavement.
4. Cross-hatch markings may be installed at locations without a signalized intersection based on an engineering review or as directed by ICC.

Note:

1. Distance to be shown on sign measured from a point 6 feet from the rail closest to the intersection or from the closest point along the exit gate if present over the roadway when in the lowered position to the stop bar or crosswalk, which ever is closest, rounded down to nearest 5 feet. Where there is no stop line, measure to point where driver has a view of approaching traffic.
2. The clearance sign is also to be used as an interim measure at locations with interconnected intersection traffic signals where it is planned to change them to near-side signals at a future time. In this case, the distance to be shown on the sign is measured from the edge of the striped-out area instead of 6 feet from the rail. The sign is to be removed when the near-side signals are installed and the pavement markings extended to the intersection.

MODEL: Default
FILE NAME: pw:\idist\pw\hantley.com\PWIDOT\Documents\DOT_Offices\hantley\2\Project\Operations\Traffic_Section\64M24\OperationalTraffic_Signals_Sheet18D7_64M24.tbl.dgn

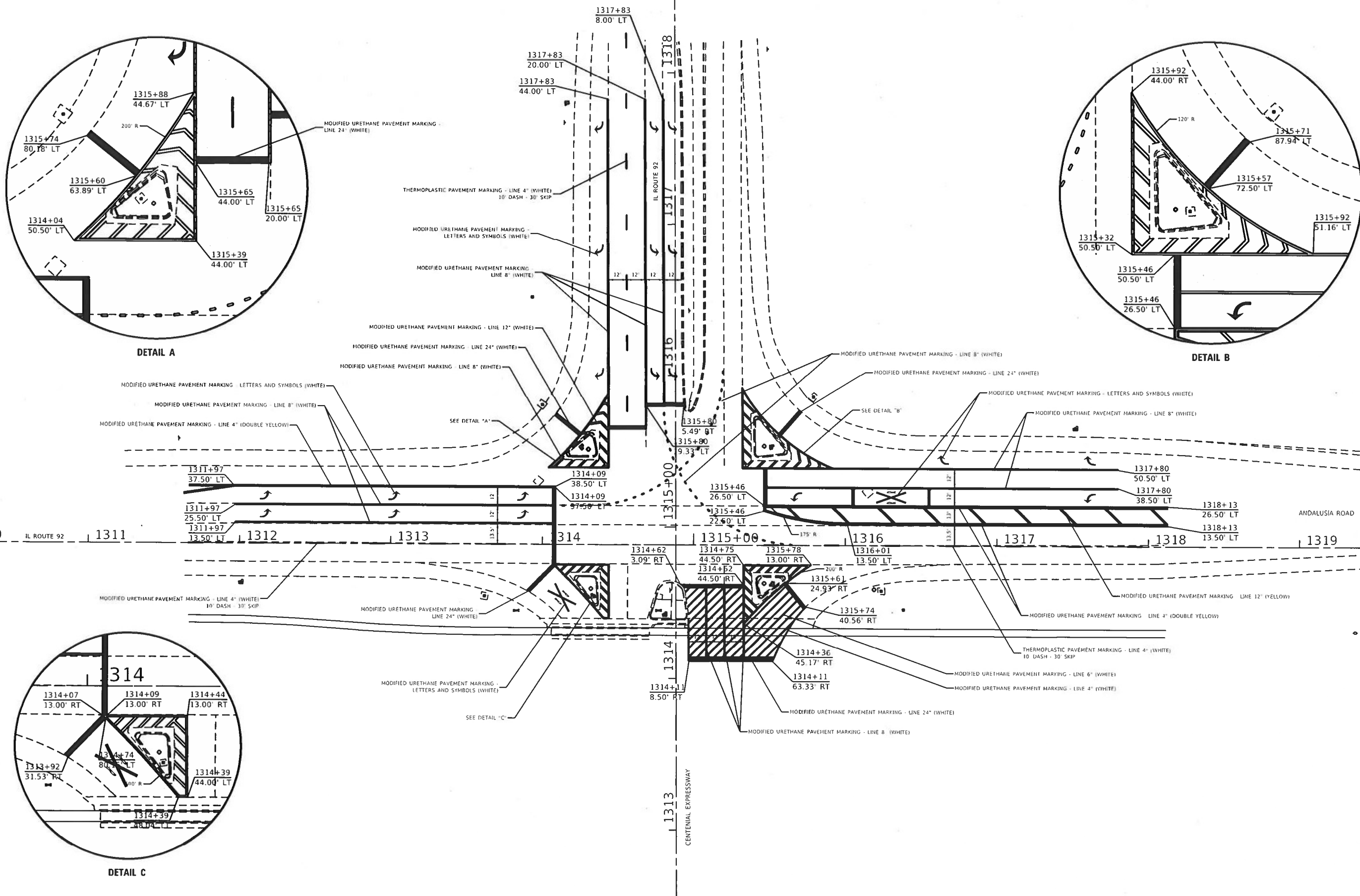
| | | |
|-------------------------------------|------------|-----------|
| USER NAME = hantley | DESIGNED - | REVISED - |
| PLOT SCALE = 42.3385' / in. | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:57:43 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAIL ROAD CROSSING**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| | | | | |
|--------------------|--------------------|-------------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | (48MFT, 62MFT)IS-1 | ROCK ISLAND | 26 | 18 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |



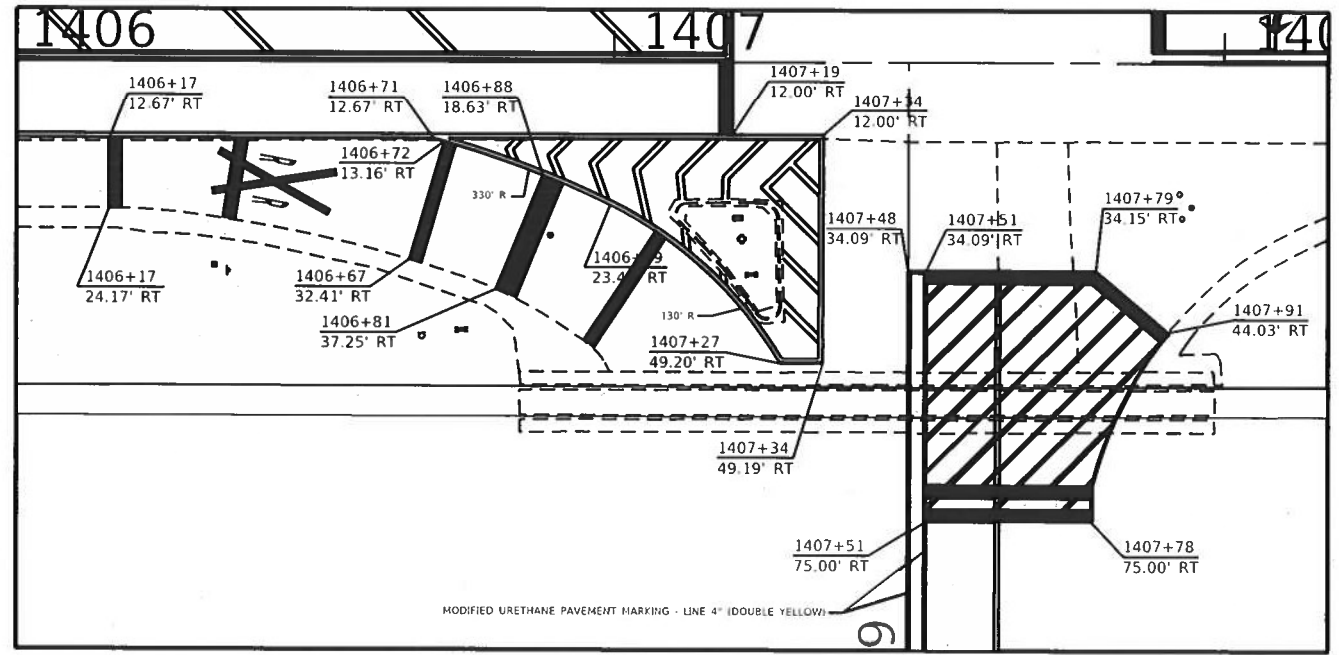
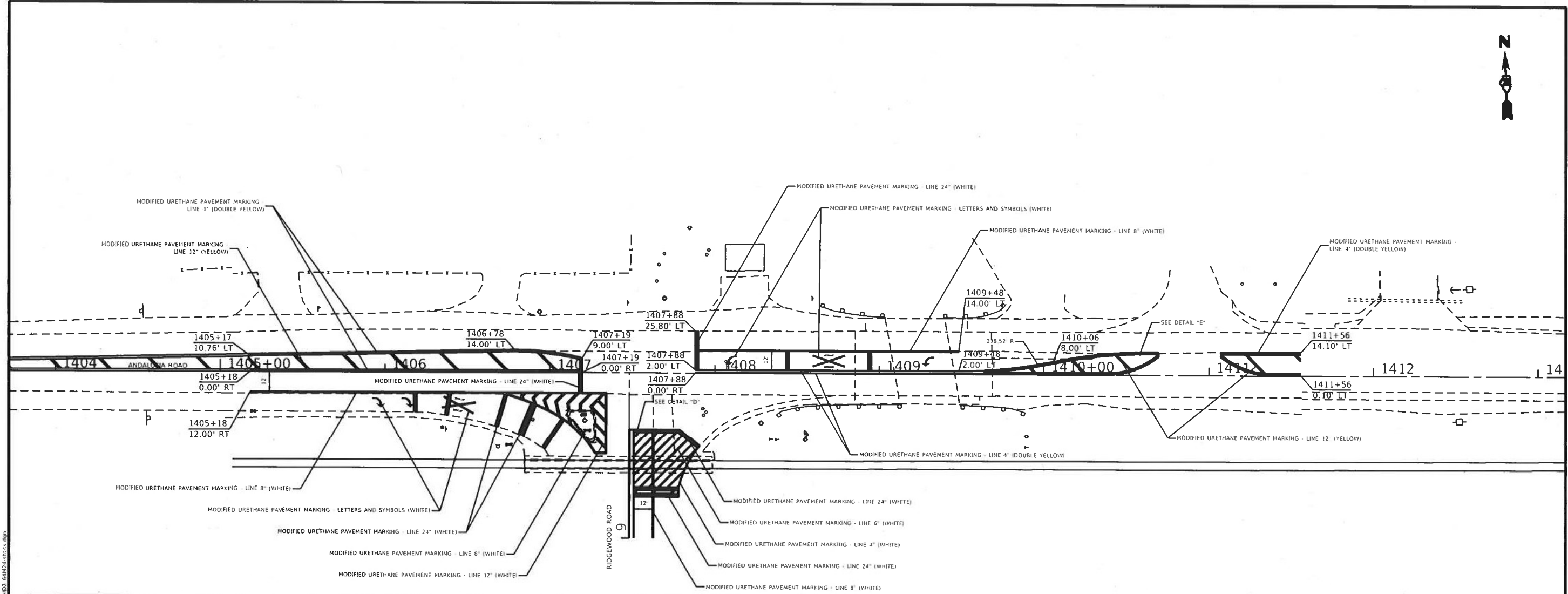
| | | |
|-------------------------------------|------------|-----------|
| USER NAME = hiki | DESIGNED - | REVISED - |
| DRAWN - | REVISÉD - | |
| PLOT SCALE = 1/4" = 1' 0" | CHECKED - | REVISED - |
| PLOT DATE = Dec-08 2021 09:58:11 AM | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

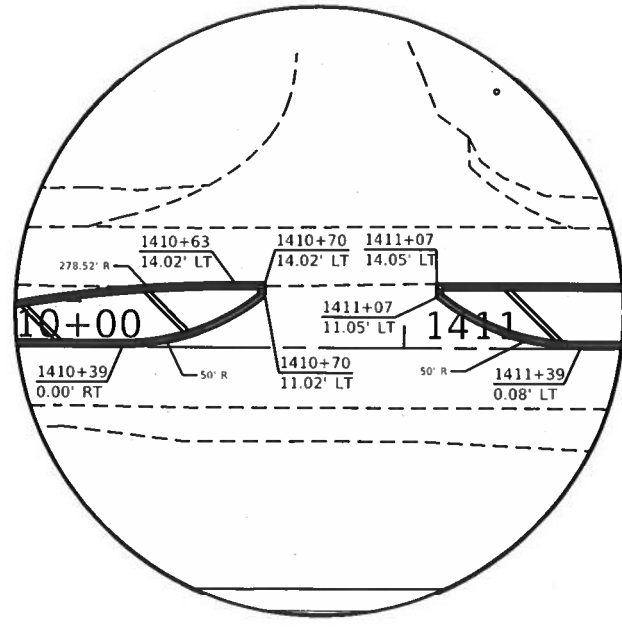
| | | | |
|--|-------|---------|--------|
| IL ROUTE 92 AND ANDALUSIA ROAD PAVEMENT MARKING DETAILS | | | |
| SCALE: | SHEET | OF | SHEETS |
| STA. | | TO STA. | |

| | | | | |
|---------------------------|------------------------------|-----------------------|--------------------|-----------------|
| F.A.P. RTE. 599 | SECTION (48MFT, 62MFT)S-1 | COUNTY ROCK ISLAND | TOTAL SHEETS 26 | SHEET NO. 19 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

HPD:\S1_Denbur_Plan\I001\DOT\Drawings\I001\DOT Office\I001\Drawings\Operations\Traffic\Signal_Spec\57_45124_011.tbl



DETAIL D



DETAIL E

MODEL: D:\model\...
FILE: 64M24_PAVEMENT MARKING DETAILS.DWG
DATE: 12/08/2021 09:58:22 AM

| | | | | | |
|------------|---------------------------|----------|---|---------|---|
| USER NAME | = NIJK | DESIGNED | - | REVISED | - |
| DRAWN | - | CHECKED | - | REVISED | - |
| PLOT SCALE | = 157.2874' / in. | DATE | - | REVISED | - |
| PLOT DATE | = Dec-08-2021 09:58:22 AM | | | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

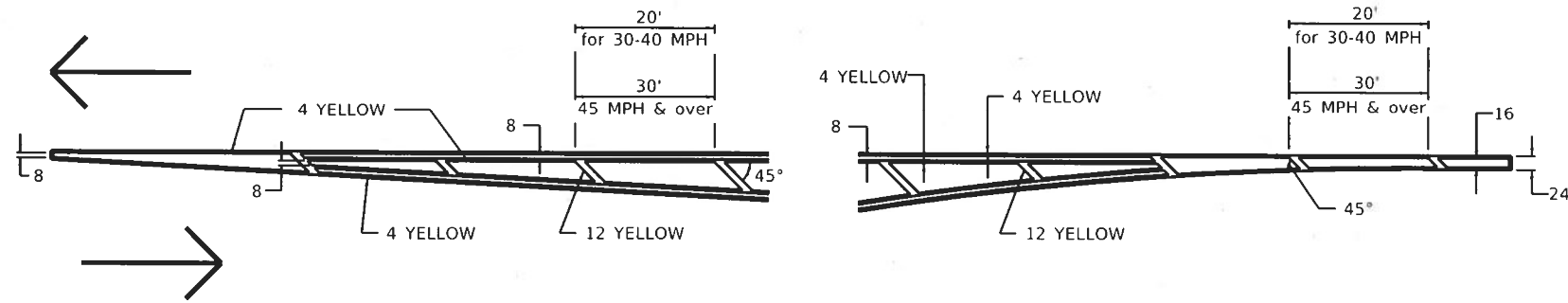
**ANDALUSIA ROAD AND RIDGEWOOD ROAD
PAVEMENT MARKING DETAILS**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

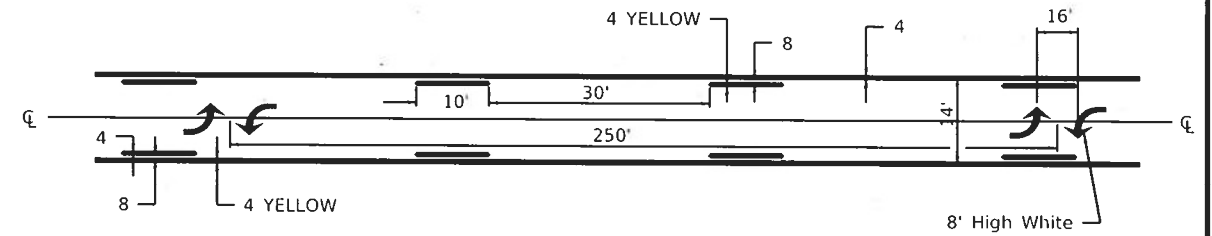
| | | | | |
|---------------------------|-------------------|-------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | (48MFT, 62MFT)S-1 | ROCK ISLAND | 26 | 20 |
| CONTRACT NO. 64M24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

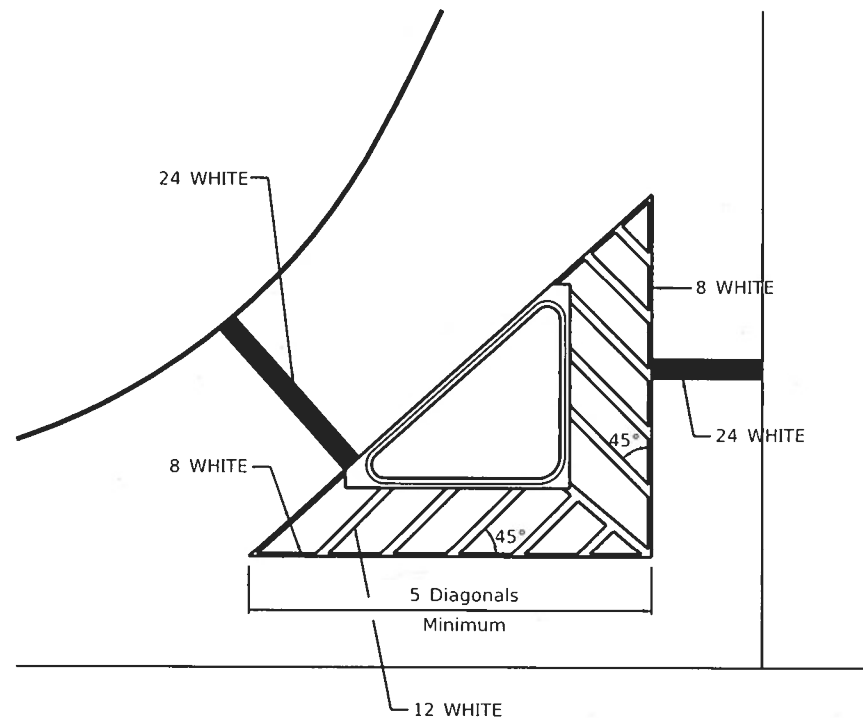


MEDIAN PAVEMENT MARKING



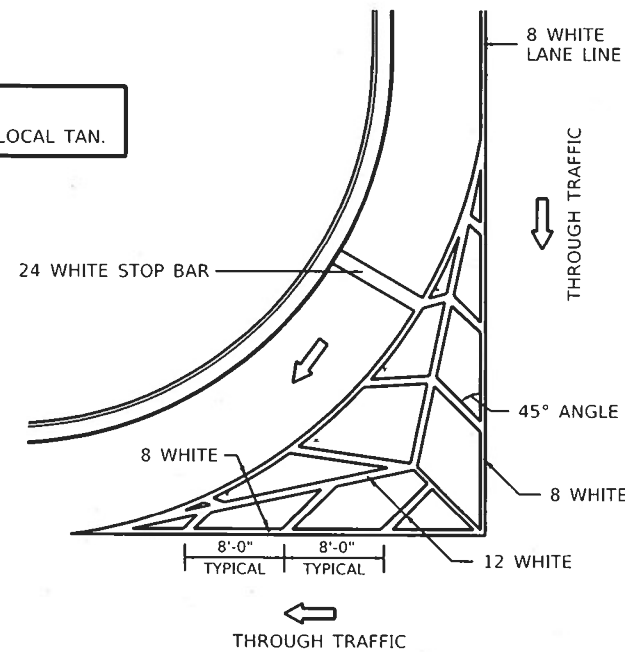
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



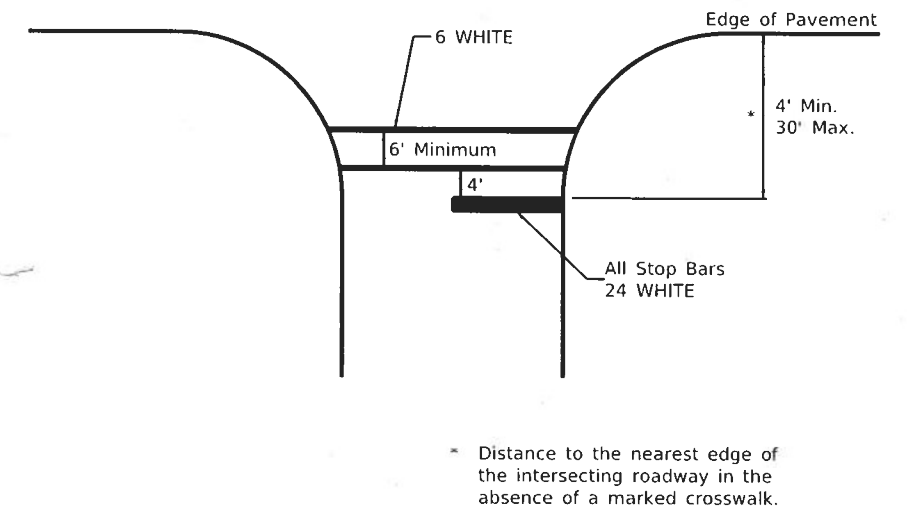
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

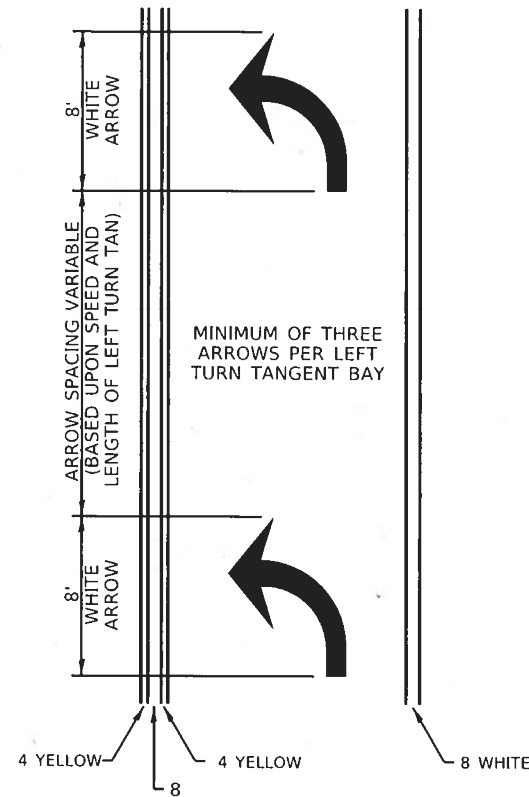


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

| | | | | | | | | | | | | | | |
|---|--|------------|-------------------|---|---------------------------------------|--|---|------------------------------|------------------------|--------------------------|---------------|--|--|--|
| FILE NAME: pw:\idat-pw.bentley.com\PWIDOT00 | USER NAME = hnkj | DESIGNED - | REVISED - 6.27.14 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | | F.A.P. RITE: .599 | SECTION: (48MET, 62MET)S:1.. | COUNTY: WHITESIDE | TOTAL SHEETS: 26 | SHEET NO.: 21 | | | |
| | Drawn: 240 Operations/Traffic/Signal Sheets/ID | CHECKED - | REVISED - 3-05-12 | | | | SCALE: _____ | SHEET 1 OF 3 SHEETS | STA _____ TO STA _____ | ILLINOIS FED AID PROJECT | | | | |
| | PLOT SCALE = 418287 / in | DATE - | REVISED - | | | | CONTRACT NO. 64M24 | | | | | | | |
| | PLOT DATE = Dec-08-2021 09:58:36 AM | DATE - | REVISED - | | | | TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1 | | | | | | | |

TYPICAL PAVEMENT MARKINGS

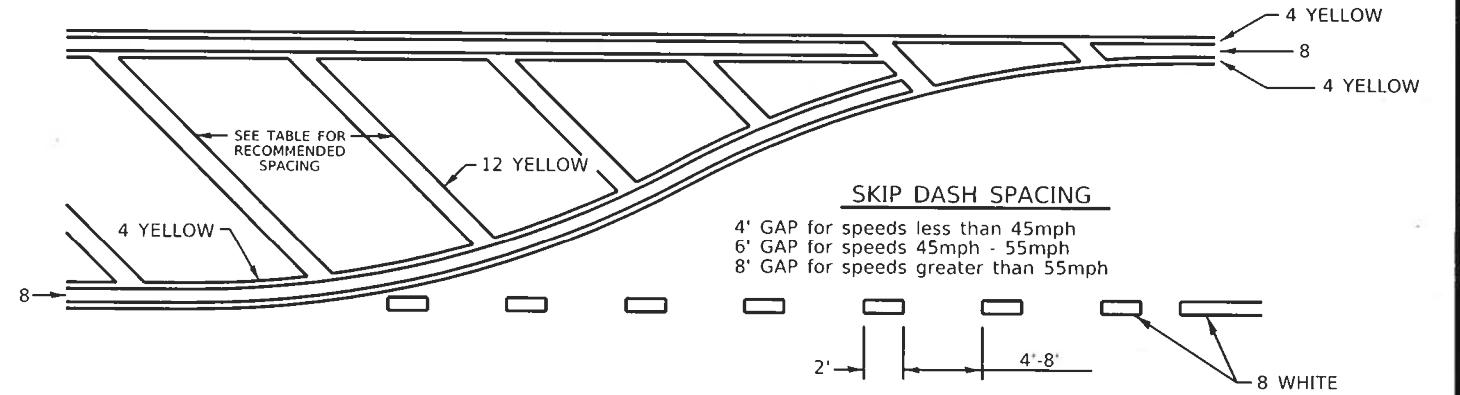
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

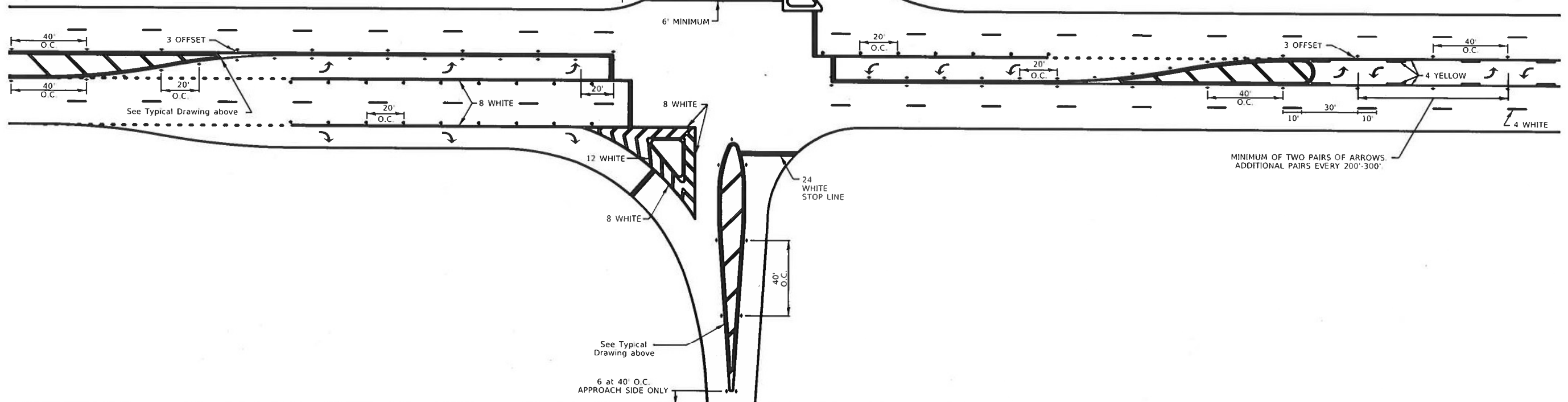
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

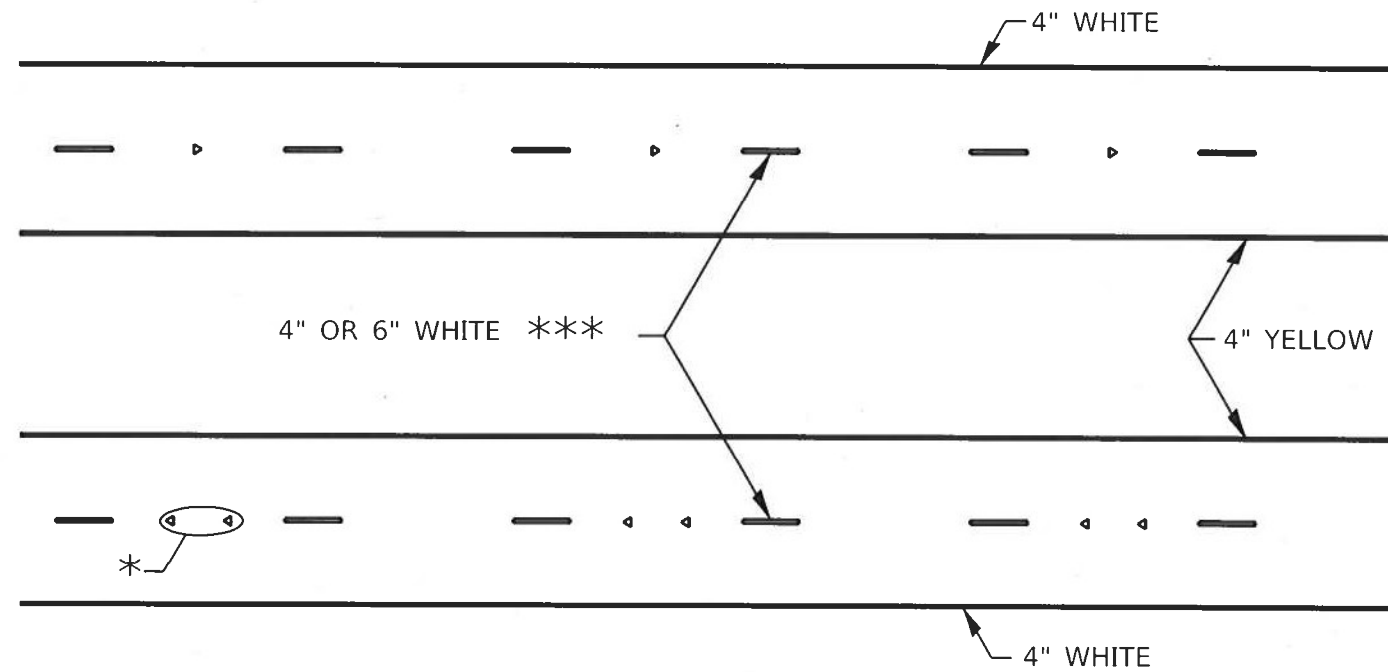
| Speed Limit Range | Continuous Median Area | Intersection Channelization | Objects (Islands) |
|-------------------|------------------------|-----------------------------|-------------------|
| less than 30MPH | 50' | 15' | 10' |
| 30-40MPH | 75' | 20' | 15' |
| 45MPH & over | 75' | 30' | 20' |

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



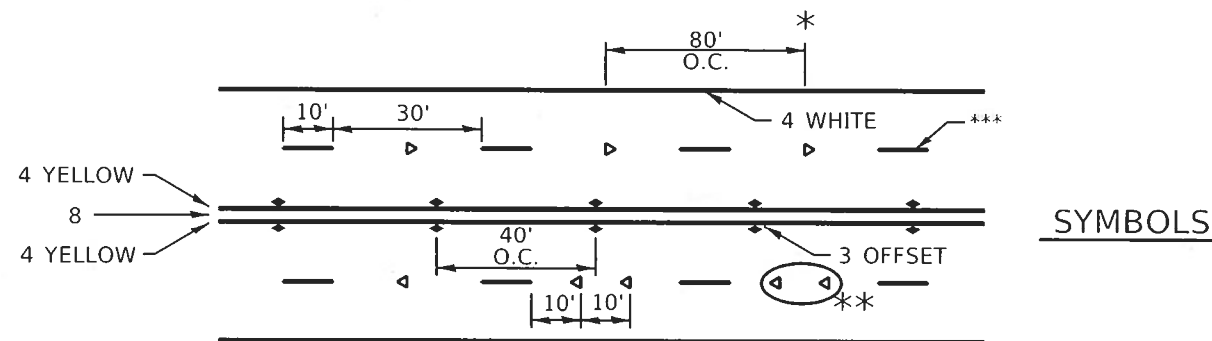
| | | | | | | | | | | | |
|---|------------|-------------------|---|--|---------------------------------------|--|---|---------|--------------------|--------------|---------------------------|
| USER NAME = hllkl | DESIGNED - | REVISED - 6-27-14 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | REGION 2 / DISTRICT 2 STANDARD | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FILE NAME: pw:\idot-pw.bentley.com\PWIDOT\Documents\SUDOT Offices\District 2\Projects\Operations\Traffic\DRAWING\24\Operations\Traffic\Signal Sheets\ID3\682450.dwg | CHECKED - | REVISED - 3-05-12 | | | | | | | | 26 | 22 |
| PLOT SCALE = 41.8287' / in. | DATE - | REVISED - | | | | | SCALE: _____ SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____ | | CONTRACT NO. _____ | | ILLINOIS FED. AID PROJECT |
| PLOT DATE = Dec-08-2021 09:58:45 AM | | | | | | | | | | | |

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

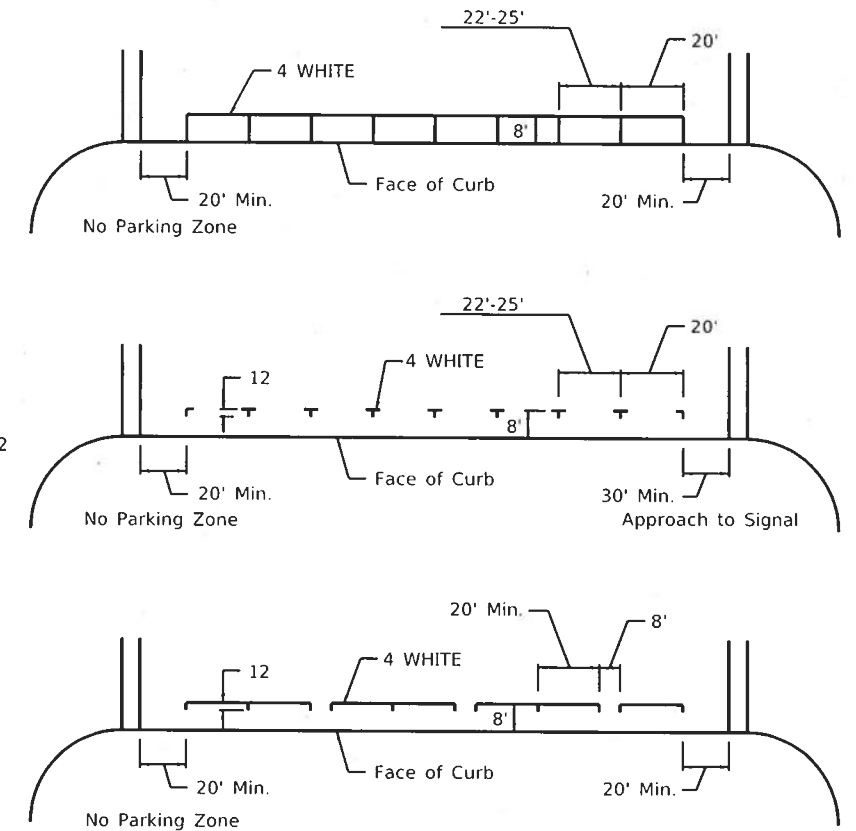
** USE DOUBLE MARKERS WHEN ADT \geq 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

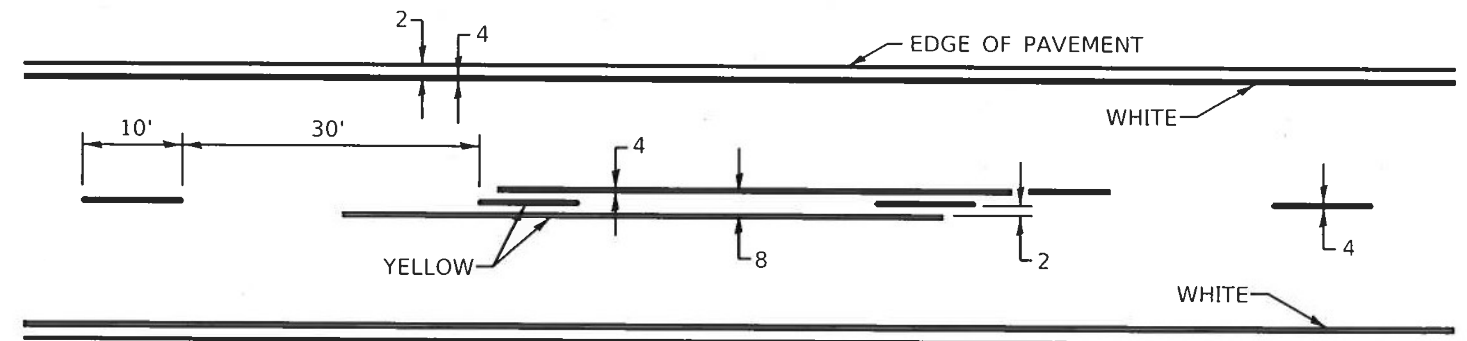
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



| | | |
|---|------------|--------------------|
| USER NAME = hdx1 | DESIGNED = | REVISED = 6-27-14 |
| FILE NAME: pv:\ddot{d}ot-pv.bentley.com\PWIDOT\Documents\DOT Offices\District 2\Projects\Operations\Traffic\DRAWING\424\Operations\Traffic\Signal Sheets\26\REVISED.dgn | CHECKED = | REVISED = 8-27-13 |
| PLOT SCALE = 41.8287' / in. | DATE = | REVISED = 11-28-12 |
| PLOT DATE = Dec-08 2021 09:58:53 AM | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 3 OF 3 SHEETS STA TO STA

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------------|-------------|---------------------------|-----------|
| 592 | (48MET, 62MET)S:1 | ROCK ISLAND | 26 | 23 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |

BORING LOGS



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 1

Date 3/13/18

ROUTE FAP 599 DESCRIPTION P92-034-17 Andalusia Road at IL 92 Traffic Signal LOGGED BY W. Garza

SECTION (48 MFT, 62 MFT) TS-1 LOCATION Blackhawk (West Part) SW 21, SEC., TWP. 17N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. NW Quad Latitude 41° 26' 39.37" Northing 1,740,358.0842
Longitude -90° 37' 17.40" Easting 2,171,688.8104

BORING NO. B-1a
Station 87' W of IL 92(N)
Offset 81.00ft N. of CL IL 92
Ground Surface Elev. 99.10 ft

| DEPTH (ft) | FAILURE MODE (/6") | TEST (ft) | PERCENT (%) |
|------------|--------------------|-----------|-------------|
| 0 | | | |
| 0.8 | P | | 31.0 |
| 3 | | | |
| 3 | S | 1.5 | 25.0 |
| 5 | B | | |
| 2 | | | |
| 4 | S | 0.3 | 24.0 |
| 4 | P | | |
| 1 | | | |
| 2 | | | 27.0 |
| 3 | | | |
| 1 | | | |
| 2 | S | 0.3 | 28.0 |
| 2 | P | | |
| 35 | | | |
| 00/6" | | | |

| DEPTH (ft) | FAILURE MODE (/6") | TEST (ft) | PERCENT (%) |
|------------|--------------------|-----------|-------------|
| 97.10 | | | |
| 95.60 | | | |
| 92.60 | | | |
| 90.10 | | | |
| 88.10 | | | |
| 85.60 | | | |
| -15 | | | |
| -20 | | | |

Northing and Easting were calculated using the NAD83 coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 1

Date 3/19/18

ROUTE FAP 599 DESCRIPTION P92-034-17 Traffic Signal on Andalusia Road at Ridgewood Road LOGGED BY W. Garza

SECTION (48 MFT, 62 MFT) TS-1 LOCATION Blackhawk (West Part) SE 22W, SEC., TWP. 17N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. NW Quad Latitude 41° 26' 36.29" Northing 1,739,997.8440
Longitude -90° 35' 12.83" Easting 2,181,373.6733

BORING NO. B-1b
Station 18' W. of Ridgewood Road CL
Offset 49.00ft N. of Andalusia Rd. CL
Ground Surface Elev. 99.60 ft

| DEPTH (ft) | FAILURE MODE (/6") | TEST (ft) | PERCENT (%) |
|------------|--------------------|-----------|-------------|
| 0 | | | |
| 0.6 | P | | 27 |
| 2 | | | 43 |
| 4 | S | 2.0 | 39 |
| 4 | B | | 59 |
| 3 | | | 41/3" |
| 4 | S | 1.4 | |
| 6 | B | | 27.0 |
| 1 | | | |
| 3 | S | 0.3 | 16.0 |
| 4 | P | | |
| 2 | | | |
| 2 | S | 0.9 | 32.0 |
| 2 | B | | |
| 0 | | | |
| 0 | S | 0.2 | 32.0 |
| 1 | P | | |
| 0 | | | |
| 1 | | | |
| 5 | | | |
| 2 | | | |
| 2 | | | |
| 3 | | | |
| 23 | | | |

| DEPTH (ft) | FAILURE MODE (/6") | TEST (ft) | PERCENT (%) |
|------------|--------------------|-----------|-------------|
| 27 | | | |
| 43 | | | |
| 78.10 | | | |
| 97.60 | | | |
| 98.10 | | | |
| 93.60 | | | |
| 91.10 | | | |
| 88.60 | | | |
| 85.60 | | | |
| 83.60 | | | |
| 81.10 | | | |
| -20 | | | |

Northing and Easting were calculated using the NAD83 coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

PROJECT: I181111
FILE NAME: \\gis2021\pub\hwydata\com\BMD\DOT\Documents\DOT-Office\Boring-Logs\BoringLog\BoringLog-Sheet\DOT-64M24-Sheet1.dwg

| | | |
|-------------------------------------|-------------|-----------|
| USER NAME = hiki | DESIGNED = | REVISED = |
| DRAWN = | REVISIONS = | |
| PLOT SCALE = 139.4084' / in. | CHECKED = | REVISED = |
| PLOT DATE = Dec 08 2021 09:59:42 AM | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

| | | | | | | | |
|--------------|-----------------------------|--------------------------|-----------------|------------------------------|---------------------|------------------|--------------|
| SCALE: _____ | SHEET _____ OF _____ SHEETS | STA. _____ TO STA. _____ | F.A.P. RTE: 599 | SECTION: (48MFT, 62MFT) TS-1 | COUNTY: ROCK ISLAND | TOTAL SHEETS: 26 | SHEET NO: 24 |
|--------------|-----------------------------|--------------------------|-----------------|------------------------------|---------------------|------------------|--------------|

CONTRACT NO. 64M24
ILLINOIS FED. AID PROJECT

BORING LOGS



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 599 DESCRIPTION P92-034-17 Andalusia Road at IL 92 Traffic Signal LOGGED BY W. Garza
SECTION (48 MFT, 62 MFT) TS-1 LOCATION Blackhawk (West Part) SW 21, SEC., TWP. 17N, RNG. 2W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. SE Quad Latitude 41° 26' 36.64" Northing 1,740,078.0596
Station Longitude -90° 37' 09.61" Easting 2,172,480.6380

| BORING NO. Station Offset Ground Surface Elev. | D E P T H S (ft) | B L O W S Qu (/6") | U N D E R S T R I C T U R E (1st) | M O D E L (%) | Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs. | D E P T H S (ft) | B L O W S Qu (/6") | U N D E R S T R I C T U R E (1st) | M O D E L (%) |
|---|------------------------------------|--------------------------------------|---|------------------------------|---|------------------------------------|--------------------------------------|---|------------------------------|
| | | | | | | | | | |
| 8-2a 1+87 Andalusia Road 31.00H RY CL EBL 100.00 | | | 1.5 P | 19.0 | DENSE light gray SHALE (continued) 79.00 | | 18 25 | | |
| | 98.00 | | 5 | | VERY DENSE gray SHALE | | 14 | | |
| | 96.50 | | 6 7 | 2.9 B | Auger Refusal at 23.5' End of Boring 76.50 | | 21 41 | | |
| | 94.00 | | 2 3 4 | 1.1 B | | | -25 | | |
| | 91.50 | | 2 4 | 0.9 B | | | | | |
| | 88.50 | | 1 2 3 | 0.6 B | | | -30 | | |
| | 86.00 | | 1 2 3 | | | | | | |
| | 83.50 | | 2 4 | 0.2 P | | | -35 | | |
| | 81.00 | | 3 4 10 | | | | | | |
| | | | | | DENSE light gray SHALE | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 599 DESCRIPTION P92-034-17 Traffic Signals @ IL 92/Centennial Expressway LOGGED BY W. Garza
SECTION (48 MFT, 62 MFT) TS-1 LOCATION Blackhawk (West Part) SW 21, SEC., TWP. 17N, RNG. 2W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. SW Quad Latitude 41° 26' 36.31" Northing 1,740,047.7211
Station Longitude -90° 37' 16.67" Easting 2,171,943.1097

| BORING NO. Station Offset Ground Surface Elev. | D E P T H S (ft) | B L O W S Qu (/6") | U N D E R S T R I C T U R E (1st) | M O D E L (%) | Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter Upon Completion After Hrs. | D E P T H S (ft) | B L O W S Qu (/6") | U N D E R S T R I C T U R E (1st) | M O D E L (%) |
|---|------------------------------------|--------------------------------------|---|------------------------------|---|------------------------------------|--------------------------------------|---|------------------------------|
| | | | | | | | | | |
| 8-3a 148' W 41.00H S 98.50 | | | 0.8 P | 22.0 | MEDIUM brown SILTY CLAY LOAM | | | | |
| | 96.50 | | 1 2 3 | 0.9 B | MEDIUM brown SILTY CLAY LOAM with 6.9% ORGANICS | | | | |
| | 95.00 | | | | | | | | |
| | 92.50 | | 2 4 | 1.2 B | STIFF gray/redish brown CLAY LOAM | | | | |
| | 90.00 | | 1 2 3 | 1.2 B | STIFF redish brown CLAY LOAM with 3.2% ORGANICS | | | | |
| | 87.50 | | 1 2 3 | 0.3 B | SOFT gray LOAM, bottom 8" tan CLAY LOAM | | | | |
| | 84.50 | | 0 0 1 | 0.3 B | SOFT gray SILTY LOAM with 2.3% ORGANICS | | | | |
| | 82.50 | | 10 10 12 | | MEDIUM gray SANDY GRAVEL | | | | |
| | 81.00 | | 00/1 | | VERY DENSE light gray SHALE End of Boring | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

MODEL: Default
FILE NAME: P:\p\Wish\p\hantley.com\p\WID\DOT\Documents\DOT - Office\Boring\Traffic_Signals\02_64M24_S11.S.000

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = hiki | DESIGNED - | REVISED - |
| PLOT SCALE = 1/40.0225" / in. | DRAWN - | REVISED - |
| PLOT DATE = Dec-08-2021 09:59:50 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|-------------|------------------------------|
| BORING LOGS | |
| SCALE | SHEET OF SHEETS STA. TO STA. |

| | | | | |
|--------------------|----------------|-------------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 599 | 148MFT, 62MFTS | ROCK ISLAND | 26 | 25 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |

BORING LOGS



Illinois Department
of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 1

Date 6/6/18

ROUTE FAP 599 DESCRIPTION P92-034-17 Traffic Signals @ IL 92/Centennial Expressway LOGGED BY W. Garza

SECTION (48 MFT, 62 MFT) TS-1 LOCATION Blackhawk (West Part) SW 21, SEC., TWP. 17N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. NE Quad Latitude 41° 26' 40.03" Northing 1,740,422.0850
Station Longitude -90° 37' 11.61" Easting 2,172,329.7280

BORING NO. B-4a D E L C O S I
Station 145' N T W S
Offset 84.00ft E H S Qu T
Ground Surface Elev. 97.60 ft (ft) (/6") (tsf) (%)
Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter 85.6 ft ∇
Upon Completion 85.6 ft ∇
After _____ Hrs. _____ ft

| Soil Description | Elev. (ft) | (/6") | (tsf) | (%) |
|--|----------------|-------|-------|------|
| MEDIUM brown SILTY CLAY LOAM | | | 0.6 | 16.0 |
| | | | P | |
| STIFF redish brown CLAY LOAM with 2.3RGANICS | 95.60 | 3 | | |
| | | 3 | 1.3 | 34.0 |
| | 94.10 | 4 | P | |
| STIFF redish brown CLAY LOAM with 2.8RGANICS | | 2 | | |
| | | 4 | 1.1 | 51.0 |
| | 91.60 | 3 | P | |
| VERY SOFT redish brown CLAY LOAM with 1.8RGANICS | | 1 | | |
| | | 2 | 0.2 | 33.0 |
| | 88.60 | 3 | B | |
| VERY LOOSE light gray dirty fine moist SAND | | 1 | | |
| | | 2 | | |
| | 86.60 | 2 | | |
| VERY DENSE light gray SHALE/LIMESTONE End of Boring | 85.60 ∇ | 100/1 | | |

Northing and Easting were calculated using the NAD83 coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

MODEL: D:\work\pwworkspace\pwworkspace\DOT\Projects\Operations\Traffic_Signals\64M24\Operations\Traffic_Signals_Sheets\DOT_64M24_Sht_18.dwg
FILE NAME: D:\work\pwworkspace\pwworkspace\DOT\Projects\Operations\Traffic_Signals\64M24\Operations\Traffic_Signals_Sheets\DOT_64M24_Sht_18.dwg

| | | |
|-------------------------------------|------------|-----------|
| USER NAME = nilki | DESIGNED - | REVISED - |
| PLOT SCALE = 140.0225' / in. | DRAWN - | REVISED - |
| PLOT DATE = Dec 08 2021 09:59:58 AM | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------------|-------------|---------------------------|-----------|
| 599 | (48MET, 62MFT)TS | ROCK ISLAND | 26 | 26 |
| CONTRACT NO. 64M24 | | | ILLINOIS FED. AID PROJECT | |