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FOR INDEX OF SHEETS, SEE SHEET NO. 3

STATE OF ILLINOIS

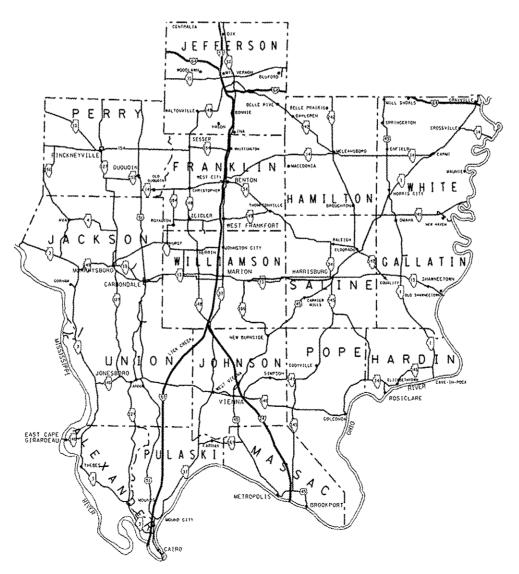
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES SECTION D9 SAFETY SIGNAGE 2013-1 PROJECT HSIP-0005(936) VARIOUS COUNTIES

C-99-032-13





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.LE. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

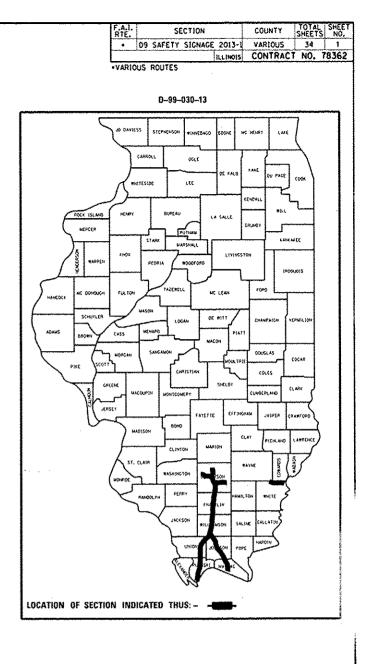
PROJECT ENGINEER: MELISSA COLE PROJECT MANAGER: CHARLES STEIN

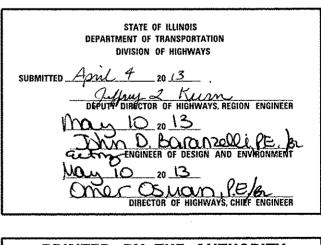
CONTRACT NO. 78362

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PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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INDEX OF SHEETS

<u>STANDARD</u>

731001-01

780001-03

781001-03

| SHEET NO. | DESCRIPTION | | 701006-04 |
|-----------|--|-----|-----------|
| 1 | COVER SHEET | | 701101-03 |
| 2 | SIGNATURE SHEET | | 701201-04 |
| 3 | INDEX OF SHEETS AND STANDARDS | | 701301-04 |
| 4-6 | SUMMARY OF QUANTITIES | | 701456-02 |
| 7 | SIGN SCHEDULE | | 701601-08 |
| 8 | PAVEMENT MARKING SCHEDULE | | 701606-08 |
| 9-17 | LOCATION MAPS | | 701701-08 |
| 18-20 | SIGN DETAILS | | 701901-02 |
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| | | | 728001-01 |
| | | | 729001-01 |
| | | | 720021-02 |

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| | | 201 | VIMARY OF | QUANTITIES | | LOCATION: | RURAL | | |
| | | | | | | ROUTE: | VARIOUS | | |
| | | | | | | | VARIOUS | | |
| [| CODE | | | ······ | | TOTAL | SAFETY | | |
| | NUMBER | | ITEM DESC | CRIPTION | UNIT | QUANTITY | 0021 | | |
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| 6 | 57100100 | MOBILIZATION | | | L SUM | l l | | | |
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| | | | | 701201 | L SUM | 1 | | | |
| | 70100450 | IRAFFIC CONTROL AN | D PROTECTION, STANDARD | /01201 | L SUM | k | ۴ | | |
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| | 70100825 | TRAFFIC CONTROL AN | D PROTECTION, STANDARD | 701456 | L SUM | 1 | 1 | | |
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| | 70102625 | TRAFFIC CONTROL AN | D PROTECTION, STANDARD | 701606 | L SUM | 1 | 1. | | · |
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| | 70102630 | TRAFFIC CONTROL AN | D PROTECTION. STANDARD | 701601 | L SUM | L | 1 | | · |
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| | 70102635 | TRAFFIC CONTROL AN | ID PROTECTION, STANDARD | 701701 | L SUM | 1 | • | | |
| | | | • | | | | | | |
| | 72000100 | SIGN PANEL - TYPE | 1 | | SO FT | 4.958 | 4, 958 | | |
| | | SION FANEL - FIFE | 1 | | | | | | ļ |
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| | 72000200 | SIGN PANEL - TYPE | 2 | | SO FT | 2, 324 | 2, 324 | | |
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| ļ | · · | | | | | | | | |
| | 72000300 | SIGN PANEL - TYPE | 3 | | SQ FT | 641 | 641 | | |
| | | | - - | | | | | | |
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| ļ | 72400310 | REMOVE SIGN PANEL | - TYPE 1 | | SO FT | 1, 318 | 1, 318 | | |
| | | | | | | | | | |
| | 72400320 | REMOVE SIGN PANEL | - TYPE 2 | | SQ FT | 1, 680 | 1,680 | | |
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| | 72900100 | METAL POST - TYPE | A | | FOOT | 1, 087 | 1,087 | | |
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| | 73000100 | WOOD SIGN SUPPORT | | | FOOT | 7, 506 | 7,506 | | |
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| 19109X | | DESIGNED - DRAWN - | REVISED - | STATE OF ILLINOIS | | SUMMARY OF | QUANTITIES | OB SAFETY SIGNAGE 2013 VARIOUS 34 | S NO. |
| 88.0000 * / | w. C | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | SCALE: | | TS STA. TO STA. | CONTRACT NO. | 78362 |
| 5/2813 | 10 | DATE - | REVISED - | | 1 354653 | | | - DADINIE DNITEE | |

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| | | PLDI SCALE = 188.0000 '/ m. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | | | | | |
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|------------------------------------|-----|----------|--|---|--------|-----------------|------------------------------|--|
| | (3) | ······ | DESIGNED - REVISED - | TEM | ···· | | J | |
| | * | X7830070 | GROOVING FOR RECESSED PAVEMENT MARKING | 5 5" | FOOT | 3, 814 | 3, 814 | |
| | * | X783006B | GROOVING FOR RECESSED PAVEMENT MARKING | , LETTERS, NUMBERS AND SYMBOLS | SO FT | 2, 738 | 2, 738 | |
| | | 80300100 | LOCATING UNDERGROUND CABLE | | FOOT | 2,000 | 2,000 | |
| | | 78300100 | PAVEMENT MARKING REMOVAL | | SO FT | 10 | 10 | |
| | * | 78004280 | PREFORMED PLASTIC PAVEMENT MARKING, TY | PE B ~ INLAID - LINE 24" | FOOT | 2, 540 | 2. 540 | |
| | * | 78004250 | PREFORMED PLASTIC PAVEMENT MARKING, TY | PE B - INLAID - LINE 12" | FOOT | 972 | 972 | |
| | * | 78004240 | PREFORMED PLASTIC PAVEMENT MARKING, TYP | PE B - INLAID - LINE 8" | FOOT | 1, 710 | 1. 710 | |
| • * | * | 78004230 | PREFORMED PLASTIC PAVEMENT MARKING, TYP | PE B - INLAID - LINE 6" | FOOT | 1,091 | 1,091 | |
| | * | 78004210 | PREFORMED PLASTIC PAVEMENT MARKING, TYP | PEB-INLAID-LINE4" | FOOT | 3, 814 | 3. 814 | |
| | * | 78004200 | PREFORMED PLASTIC PAVEMENT MARKING, TYP | PE B - INLAID - LETTERS AND SYMBOLS | SQ FT | 2. 738 | 2. 738 | |
| | | 73400200 | DRILLED SHAFT CONCRETE FOUNDATIONS | | CU YD | 24 | 24 | |
| | | 73301810 | OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A | · · · · · · · · · · · · · · · · · · · | FOOT | 48 | 48 | |
| | | 73300200 | OVERHEAD SIGN STRUCTURE - SPAN, TYPE II | -A (4' -6" X 5' -3") | FOOT | 108 | 108 | |
| | | NUMBER | I TEM DE | ESCRIPTION | UNIT | QUANTITY | 0021 | |
| | Г | CODE | T | | | ROUTE: TOTAL | VARIOUS VARIOUS SAFETY | |
| | | | JUMMART OF QUA | ANTITIES - CONT | | LOCATION: | RURAL | |

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| | SUMMARY OF QUANTITIES - CONT | | FUNDING: | HSIP 90% FED 10% STA |
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| | SUMMART OF QUANTITIES - CONT | | LOCATION: | RURAL |
| | | - | ROUTE: | VARIQUS |
| | | : | | VARIOUS |
| CODE | ITEM DESCRIPTION | UNIT | TOTAL | SAFETY |
| NUMBER | | UNII | QUANTITY | 0021 |
| | | | | |
| X7830074 | GROOVING FOR RECESSED PAVEMENT MARKING 7" | FOOT | 1.091 | 1, 091 |
| | | | | |
| X7830076 | GROOVING FOR RECESSED PAVEMENT MARKING 9" | FOOT | 1, 710 | 1, 710 |
| X7830078 | GROOVING FOR RECESSED PAVEMENT MARKING 13" | FOOT | 972 | 972 |
| ×1630018 | | FUUI | 512 | 312 |
| X7830090 | GROOVING FOR RECESSED PAVEMENT MARKING 25" | FOOT | 2, 540 | 2. 540 |
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| 1 | | PLOT SCALE + 188,0888 1/ 10. | CHECKED - | REVISED ~ | DEPARTMENT OF TRANSPORTATION | | | | | |
| - 1 | *HODELNAME* | PLDT GATE + 4/5/2013 | DATE - | REVISED - | | SCALE: | SHEET | 0F | SHEETS | 57 |

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| ANTITES | ٠ | 09 SAFETY | SIGNAGE | 2013 | VARIOUS | 34 | 6 |
| | | | | | CONTRACT | NO. 1 | 8362 |
| STA, TO STA, | | | ILLINOIS | FEQ. A | D PROJECT | | |

SIGN SCHEDULE

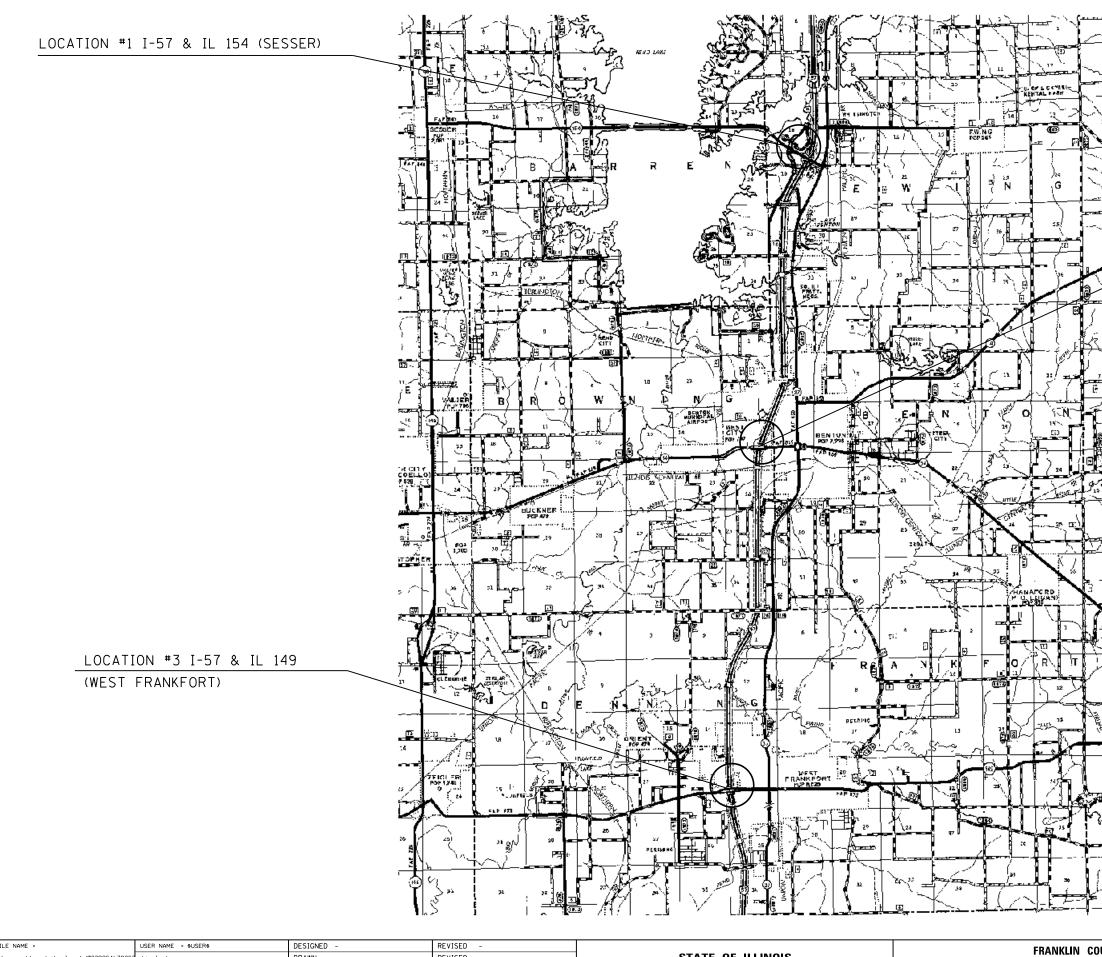
| LOCATION | COUNTY | INTERCHANGE TYPE | DESCRIPTION | SIGN PANEL REMOVAL, TYPE 1 | SIGN PANEL REMOVAL, TYPE 2 | METAL SIGN SUPPORT, TYPE A | WOOD SIGN SUPPORT | SIGN PANEL. TYPE 1 | SIGN PANEL, TYPE 2 | SIGN PANEL, TYPE 3 |
|------------|------------|--------------------------|---|----------------------------------|----------------------------------|----------------------------------|----------------------|-----------------------|-----------------------|-----------------------|
| | | | | SQ FT | SQ FT | FOOT | FOOT | SQ FT | SQ FT | SQ FT |
| # 1 | FRANKLIN | D I AMOND | I-57 & IL 154 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #2 | FRANKLIN | D I AMOND | I-57 & IL 14 | 52 | 64 | 50 | 248 | 194 | 64 | |
| # 3 | FRANKLIN | D I AMOND | I-57 & IL 149 | 52 | 64 | 50 | 248 | 194 | 64 | |
| # 4 | JEFFERSON | D I AMOND | I-57/64 and IL 15/Broadway St | 35 | 64 | 50 | 248 | 194 | 64 | |
| # 5 | JEFFERSON | D I AMOND | I-57/64 and IL 142/Veterans Memorial Dr | 35 | 64 | 50 | 248 | 194 | 64 | |
| # 6 | JEFFERSON | D I AMOND | I-57 and Co Rd 200 N | 52 | 64 | 50 | 248 | 194 | 64 | |
| # 7 | JEFFERSON | D I AMOND | I-64 and N Birch Ln | 52 | 64 | 50 | 248 | 194 | 64 | |
| # 8 | JEFFERSON | PARTIAL CLOVER W/ ISLAND | I-57 and Co Hwy 39 | 54 | 64 | | 408 | 164 | 168 | 81 |
| # 9 | JEFFERSON | PARTIAL CLOVER W/ ISLAND | I-64 and IL 37/S 10th St | 54 | 64 | | 408 | 164 | 168 | 81 |
| #10 | JOHNSON | D I AMOND | I-57 and Co Hwy 13 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #11 | JOHNSON | D I AMOND | I-24 and Co Hwy 12 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #12 | JOHNSON | D I AMOND | I-24 and US 45 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #13 | JOHNSON | D I AMOND | I-24 and IL 146 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #14 | MASSAC | D I AMOND | I-24 and Co Hwy 10 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #15 | MASSAC | D I AMOND | I-24 and E 5th St/US 45 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #16 | PULASKI | D I AMOND | I-57 and Co Rd 7 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #17 | PULASKI | D I AMOND | I-57 and Co Rd 8 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #18 | UNION | D I AMOND | I-57 and Lick Creek Rd | 52 | 64 | 50 | 248 | 194 | 64 | |
| #19 | UNION | D I AMOND | I-57 and IL 146 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #20 | UNION | D I AMOND | I-57 and Cypress Rd/Co Hwy 14 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #21 | UNION | SPECIAL | OLD US 51 | | 16 | | 220 | 108 | 36 | 155 |
| #22 | WHITE | D I AMOND | I-64 and Co Rd 20 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #23 | WHITE | PARTIAL CLOVER W/ ISLAND | I-64 and S Cross St/IL 1 | 54 | 64 | | 408 | 164 | 168 | 81 |
| #24 | WILLIAMSON | DIAMOND | I-57 and Co Rd 2 | 52 | 64 | 50 | 248 | 194 | 64 | |
| #25 | WILLIAMSON | PARTIAL CLOVER W/ ISLAND | I-57 and Old State Route 13 | | 64 | 60 | 286 | 146 | 168 | 81 |
| #26 | WILLIAMSON | PARTIAL CLOVER W/ ISLAND | I-57 and IL 148/N Refuge RD | 71 | 64 | | 408 | 164 | 168 | 81 |
| #27 | ALEXANDER | PARTIAL CLOVER W/ ISLAND | I-57 and IL 3 | 79 | 64 | 27 | 408 | 168 | 168 | 81 |
| | | | TOTAL | = 1318 | 1680 | 1087 | 7506 | 4958 | 2324 | 641 |

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| c:\pw_work\pwidot\colemm\d03392 | 264\78362-sht-pln.dgn | DRAWN - | REVISED - | STATE OF ILLINOIS | | | SIC | GN SCHEDULE | | • | D9 SAFETY SIGNAGE 2013 | VARIOUS | 34 7 |
| | PLOT SCALE = 100.0000 '/ in. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | | | | | | | | | NO. 78362 |
| Default | PLOT DATE = 4/3/2013 | DATE – | REVISED - | | SCALE: | SHEET | OF | SHEETS STA. | TO STA. | | | ID PROJECT | |
| | | | | | | | | | | VAR | IOUS ROUTES | | |

PAVEMENT MARKING SCHEDULE

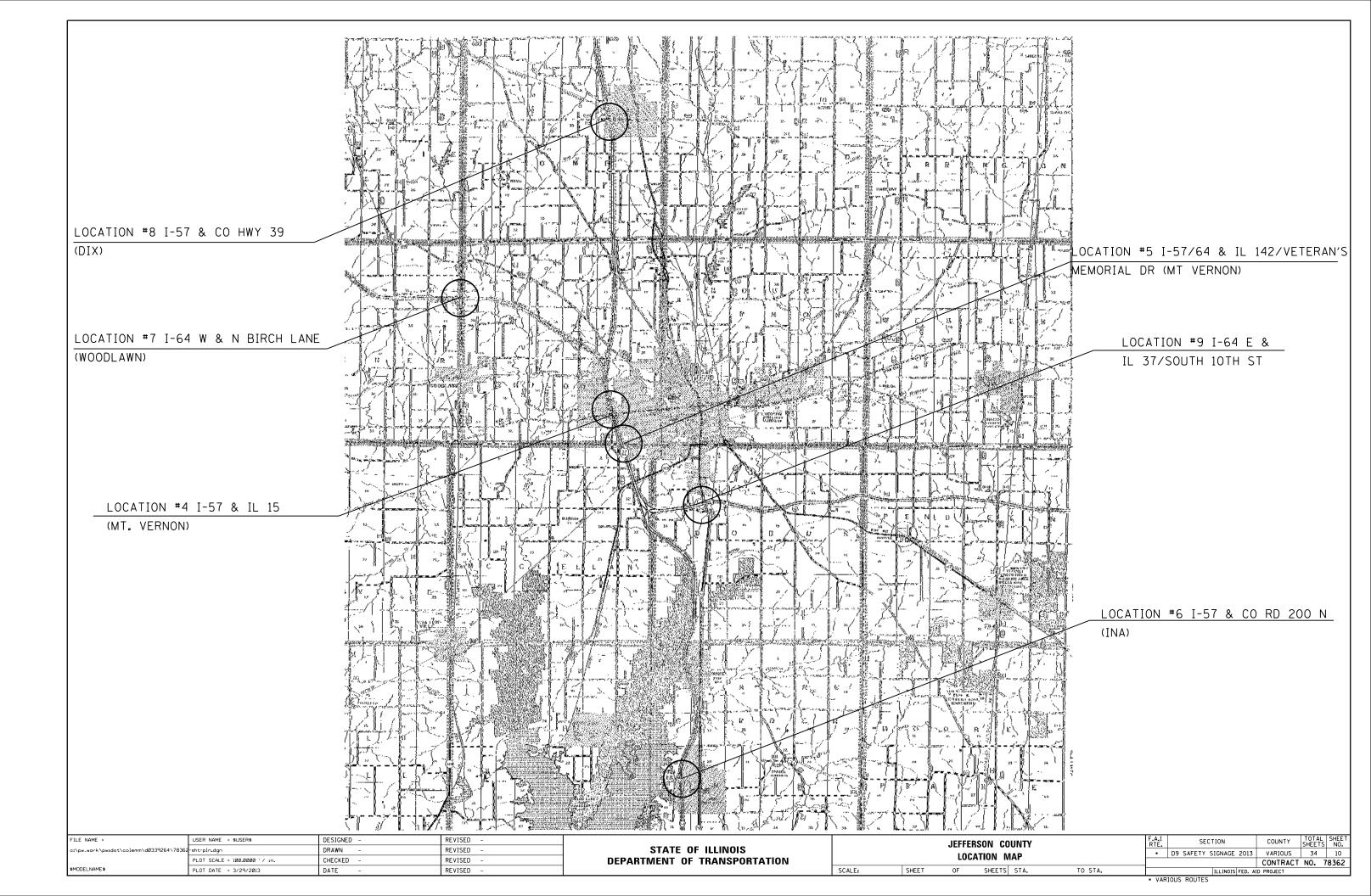
| LOCATION | COUNTY | DESCRIPTION | PAVEMENT MARK ING REMOVAL | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -INLAID -LETTERS & SYMBOLS | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -INLAID -LINE 4" | PREFORMED PLASTIC PAVEMENT MARKING. TYPE B -INLAID -LINE 6" | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -INLAID -LINE 8" | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -INLAID -LINE 12" | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -INLAID -LINE 24" | GROOVING FOR RECESSED PAVEMENT MARKING LETTERS, NUMBERS & SYMBOLS | GROOVING FOR RECESSED PAVEMENT MARKING 5" | GROOVING FOR RECESSED PAVEMENT MARKING 7'' | GROOVING FOR RECESSED PAVEMENT MARKING 9" | GROOVING FOR RECESSED PAVEMENT MARKING 13" | GROOVING FOR RECESSED PAVEMENT MARKING 25" |
|----------|------------|---|---------------------------------|--|---|---|---|--|--|--|---|--|---|---|---|
| | | | SQ FT | SQ FT | FOOT | FOOT | FOOT | FOOT | FOOT | SQ FT | FOOT | FOOT | FOOT | FOOT | FOOT |
| # 1 | FRANKLIN | I-57 & IL 154 | | 48.6 | | | | | 93 | 48.6 | | | | | 93 |
| # 2 | FRANKLIN | I-57 & IL 14 | | 131.8 | | | 50 | | 72 | 131.8 | | | 50 | | 72 |
| # 3 | FRANKLIN | I-57 & IL 149 | | 131.8 | | | 50 | | 71 | 131.8 | | | 50 | | 71 |
| # 4 | JEFFERSON | I-57/64 and IL 15/Broadway St | | 131.8 | | 960 | 960 | | 106 | 131.8 | | 960 | 960 | | 106 |
| # 5 | JEFFERSON | I-57/64 and IL 142/Veterans Memorial Dr | | 131.8 | 290 | 131 | 50 | 106 | 76 | 131.8 | 290 | 131 | 50 | 106 | 76 |
| #6 | JEFFERSON | I-57 and Co Rd 200 N | | 131.8 | 274 | | 50 | 200 | 101 | 131.8 | 274 | | 50 | 200 | 101 |
| # 7 | JEFFERSON | I-64 and N Birch Ln | | 131.8 | | | 50 | | 99 | 131.8 | | | 50 | | 99 |
| # 8 | JEFFERSON | I-57 and Co Hwy 39 | | 134 | 50 | | 50 | | 88 | 134 | 50 | | 50 | | 88 |
| # 9 | JEFFERSON | I-64 and IL 37/S 10th St | | 134 | 50 | | 50 | | 99 | 134 | 50 | | 50 | | 99 |
| #10 | JOHNSON | I-57 and Co Hwy 13 | | 131.8 | | | 50 | | 83 | 131.8 | | | 50 | | 83 |
| #11 | JOHNSON | I-24 and Co Hwy 12 | | 131.8 | 271 | | 50 | 189 | 79 | 131.8 | 271 | | 50 | 189 | 79 |
| #12 | JOHNSON | I-24 and US 45 | | 48.6 | | | | | 139 | 48.6 | | | | | 139 |
| #13 | JOHNSON | I-24 and IL 146 | | 131.8 | 314 | | 50 | 211 | 80 | 131.8 | 314 | | 50 | 211 | 80 |
| #14 | MASSAC | I-24 and Co Hwy 10 | | 48.6 | | | | | 1 30 | 48.6 | | | | | 1 30 |
| #15 | MASSAC | I-24 and E 5th St/US 45 | | 48.6 | | | 50 | | 81 | 48.6 | | | 50 | | 81 |
| #16 | PULASKI | I-57 and Co Rd 7 | | 48.6 | | | | | 153 | 48.6 | | | | | 153 |
| #17 | PULASKI | I-57 and Co Rd 8 | | 48.6 | | | | | 107 | 48.6 | | | | | 107 |
| #18 | UNION | I-57 and Lick Creek Rd | | 48.6 | | | | | 108 | 48.6 | | | | | 108 |
| #19 | UNION | I-57 and IL 146 | | 48.6 | | | | | 117 | 48.6 | | | | | 117 |
| # 20 | UNION | I-57 and Cypress Rd/Co Hwy 14 | | 48.6 | | | | | 122 | 48.6 | | | | | 122 |
| #21 | UNION | OLD US 51 | 10 | 121 | 162 | | | | | 121 | 162 | | | | |
| # 22 | WHITE | I-64 and Co Rd 20 | | 48.6 | | | 50 | | 95 | 48.6 | | | 50 | | 95 |
| #23 | WHITE | I-64 and S Cross St/IL 1 | | 134 | 50 | | 50 | | 101 | 134 | 50 | | 50 | | 101 |
| #24 | WILLIAMSON | I-57 and Co Rd 2 | | 48.6 | | | | | 110 | 48.6 | | | | | 110 |
| # 25 | WILLIAMSON | I-57 and Old State Route 13 | | 226.5 | 2303 | | | 266 | 80 | 226.5 | 2303 | | | 266 | 80 |
| #26 | WILLIAMSON | I-57 and IL 148/N Refuge RD | | 134 | 50 | | 50 | | 76 | 134 | 50 | | 50 | | 76 |
| #27 | ALEXANDER | I-57 and IL 3 | | 1 3 4 | 50 | | 50 | | 74 | 134 | 50 | | 50 | | 74 |
| | | TOTAL = | 10 | 2738 | 3814 | 1091 | 1710 | 972 | 2540 | 2738 | 3814 | 1091 | 1710 | 972 | 2540 |

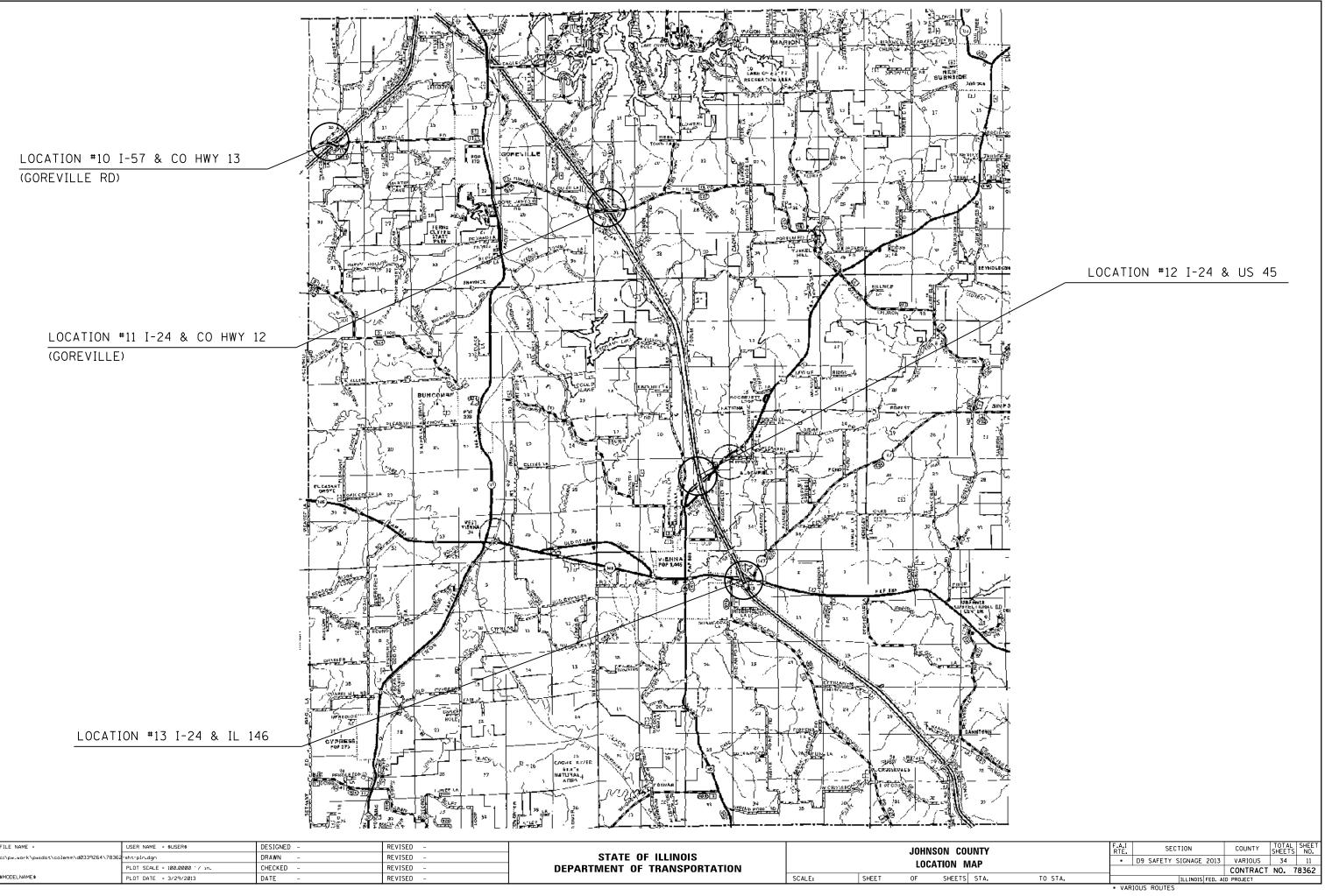
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| c:\pw_work\pwidot\colemm\d0339264\78362 | -sht-pln.dgn | DRAWN - | REVISED - | STATE OF ILLINOIS | | PAV | /EMENT | MARKING | SCHEDULE | | • D | 9 SAFETY SIGNAGE 2013 | VARIOUS | 34 8 |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | | | | | | | | | CONTRACT | NO. 78362 |
| Default | PLOT DATE = 4/3/2013 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO STA. | | ILLINOIS FED. AI | | |
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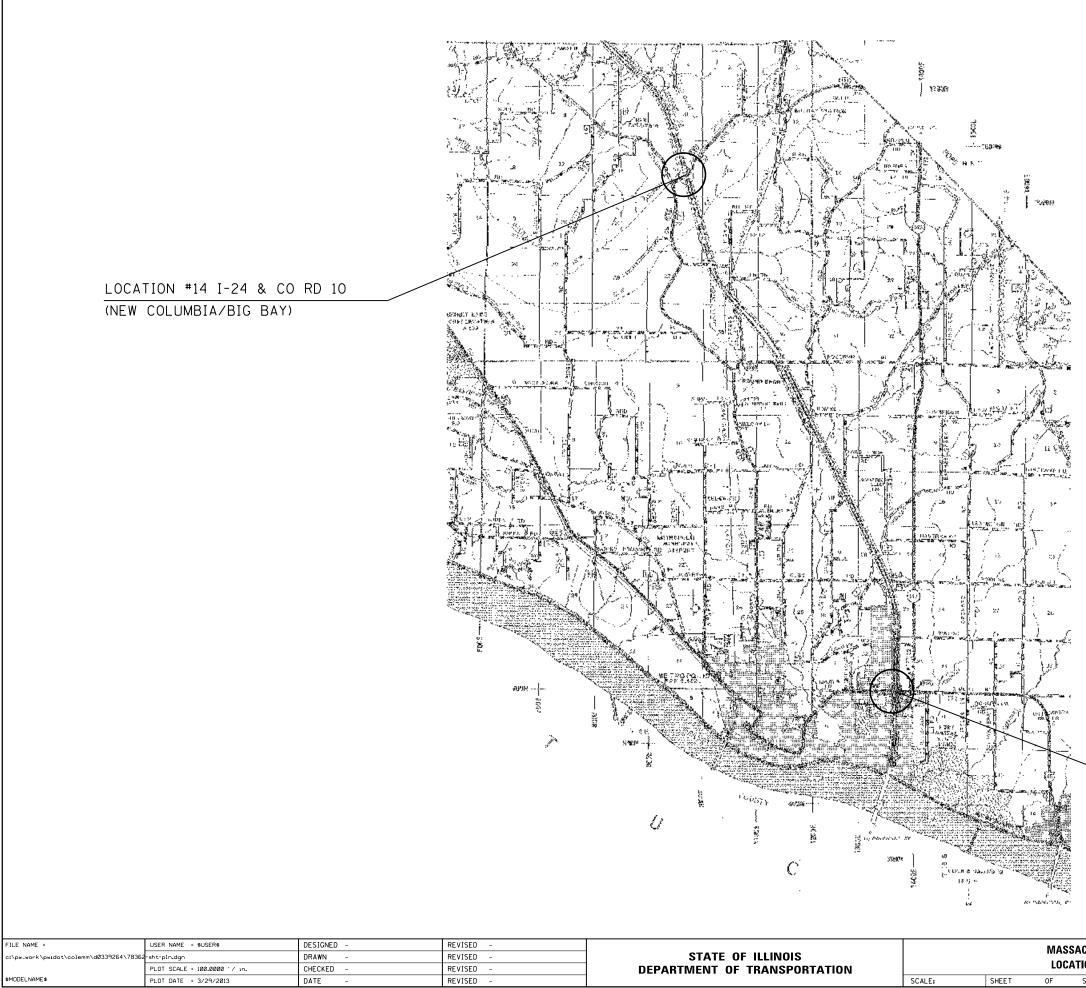
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| \$MODELNAME\$ | PLOT DATE = 3/29/2013 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS STA. | TO STA. | | ILLINOIS FED. AI | D PROJECT | |
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LOCATION #2 I-57 & IL 14 (BENTON)





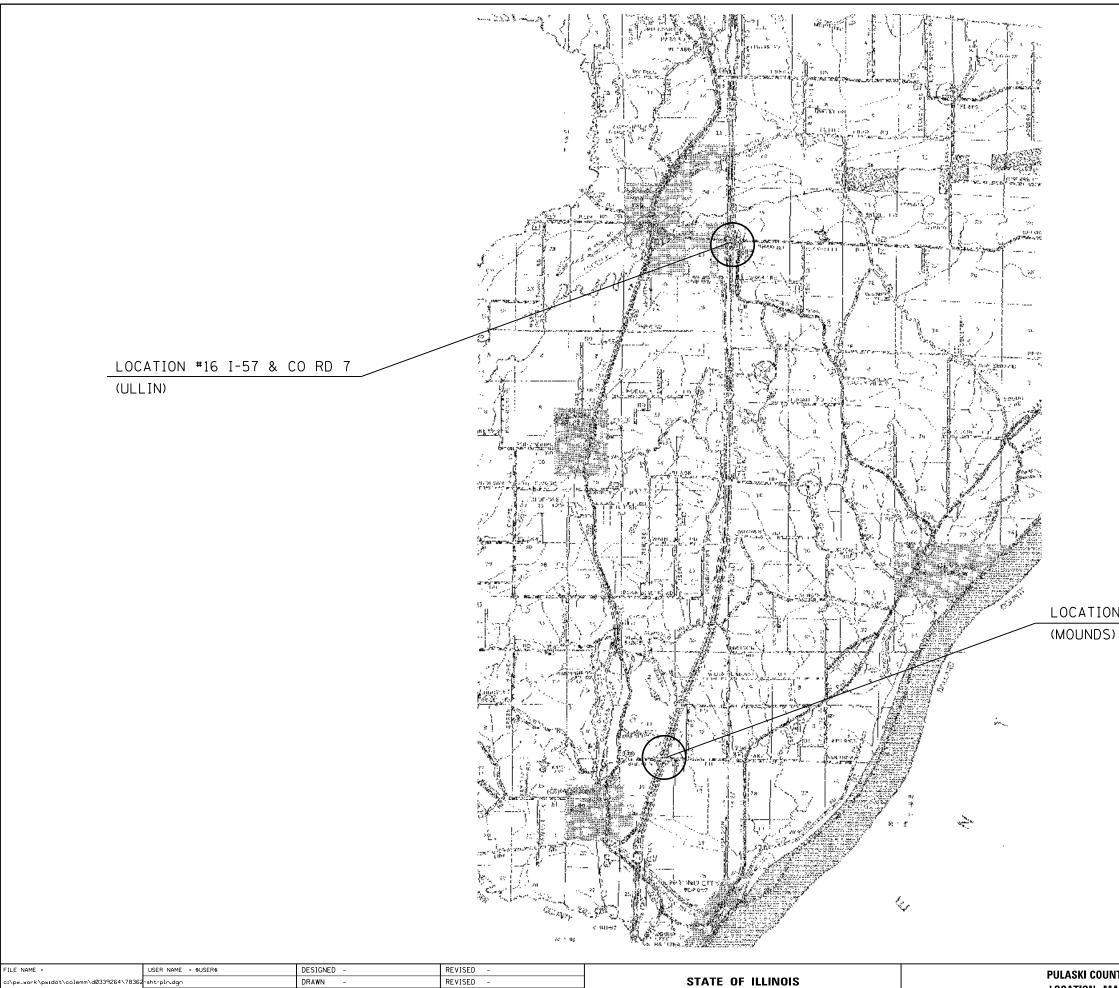
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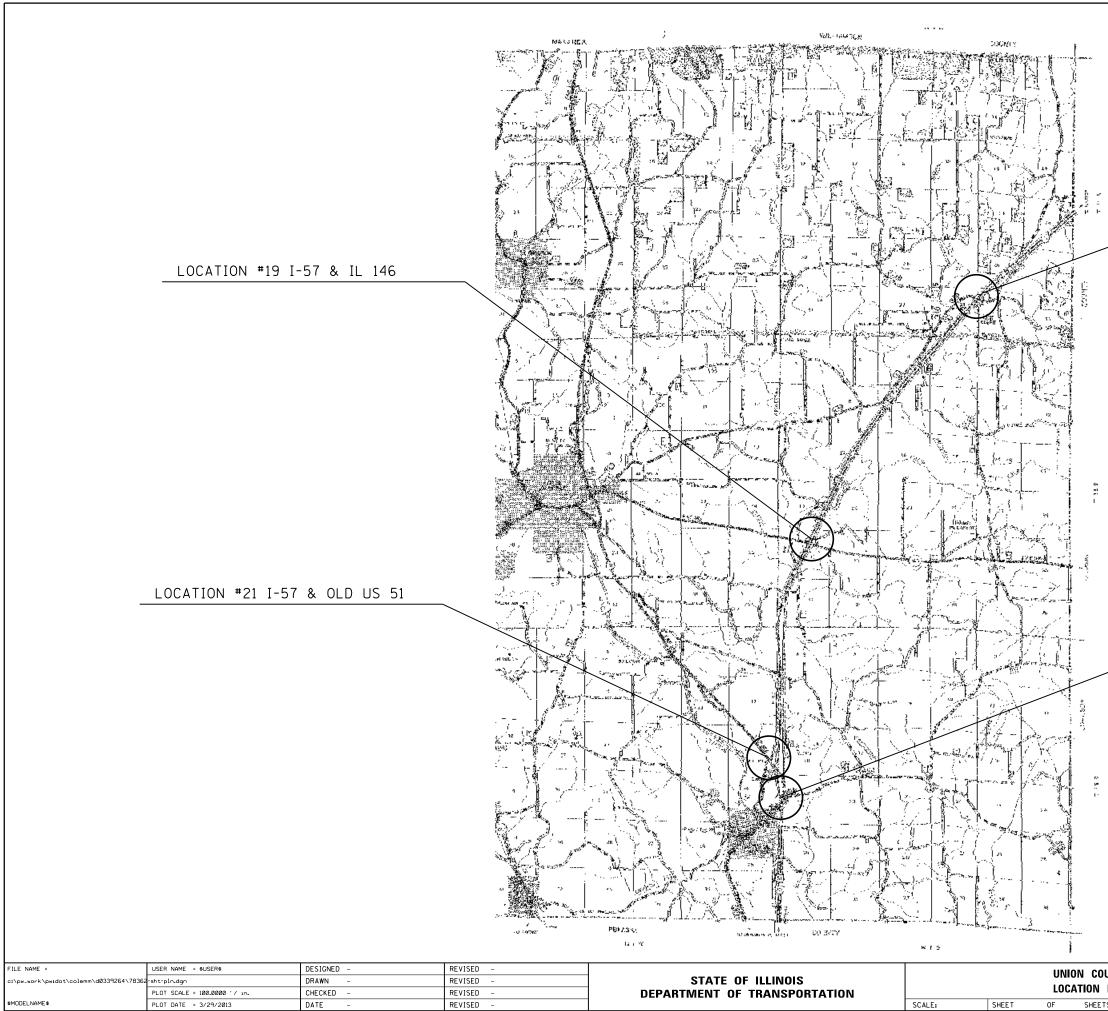
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| 100.0000 ′⁄ ın. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | | | LUU | ATION MAP | | | | | NO. 78362 | |
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LOCATION #15 I-24 & US 45 (METROPOLIS)



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LOCATION #17 I-57 & CO RD 8

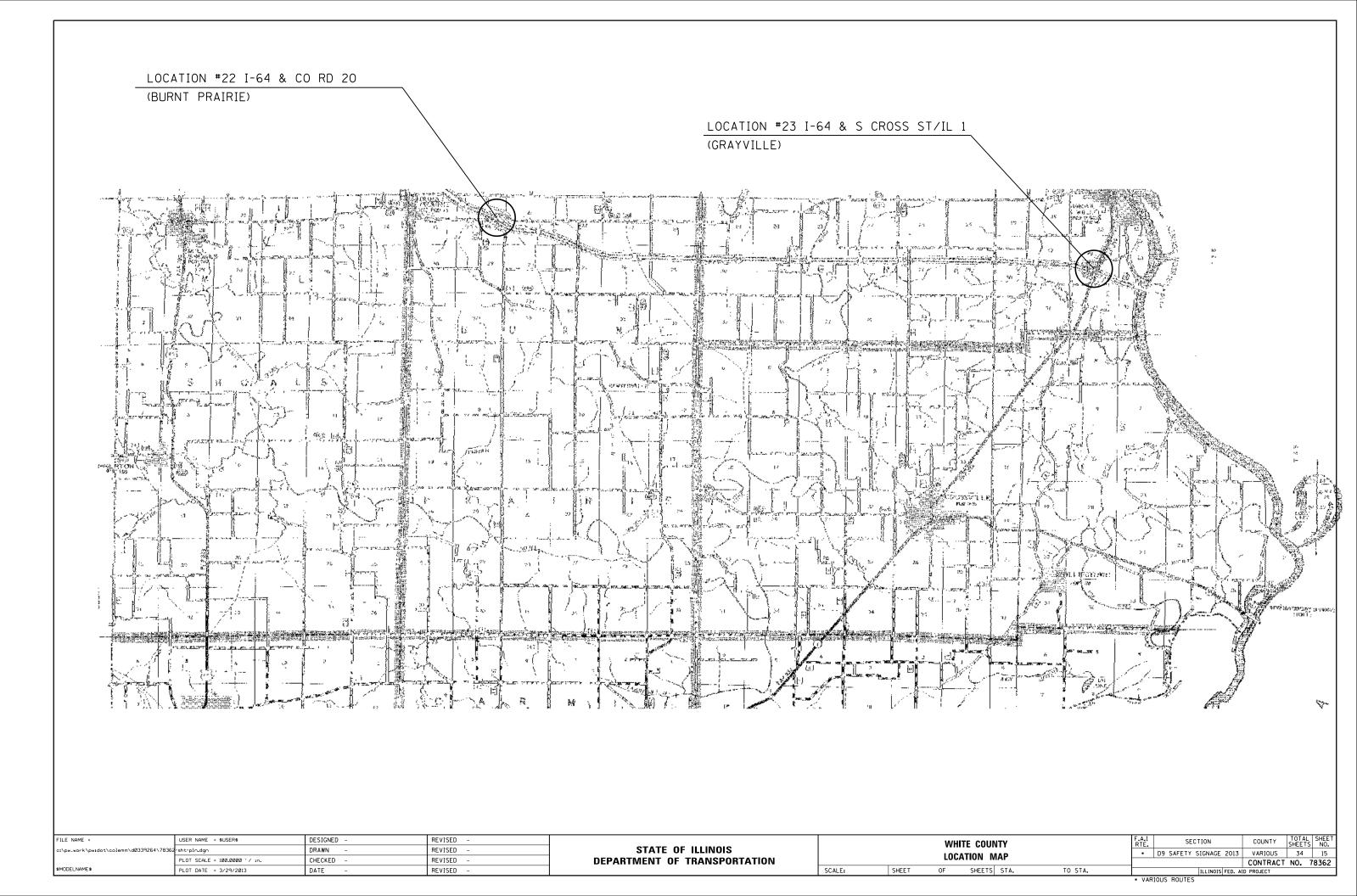


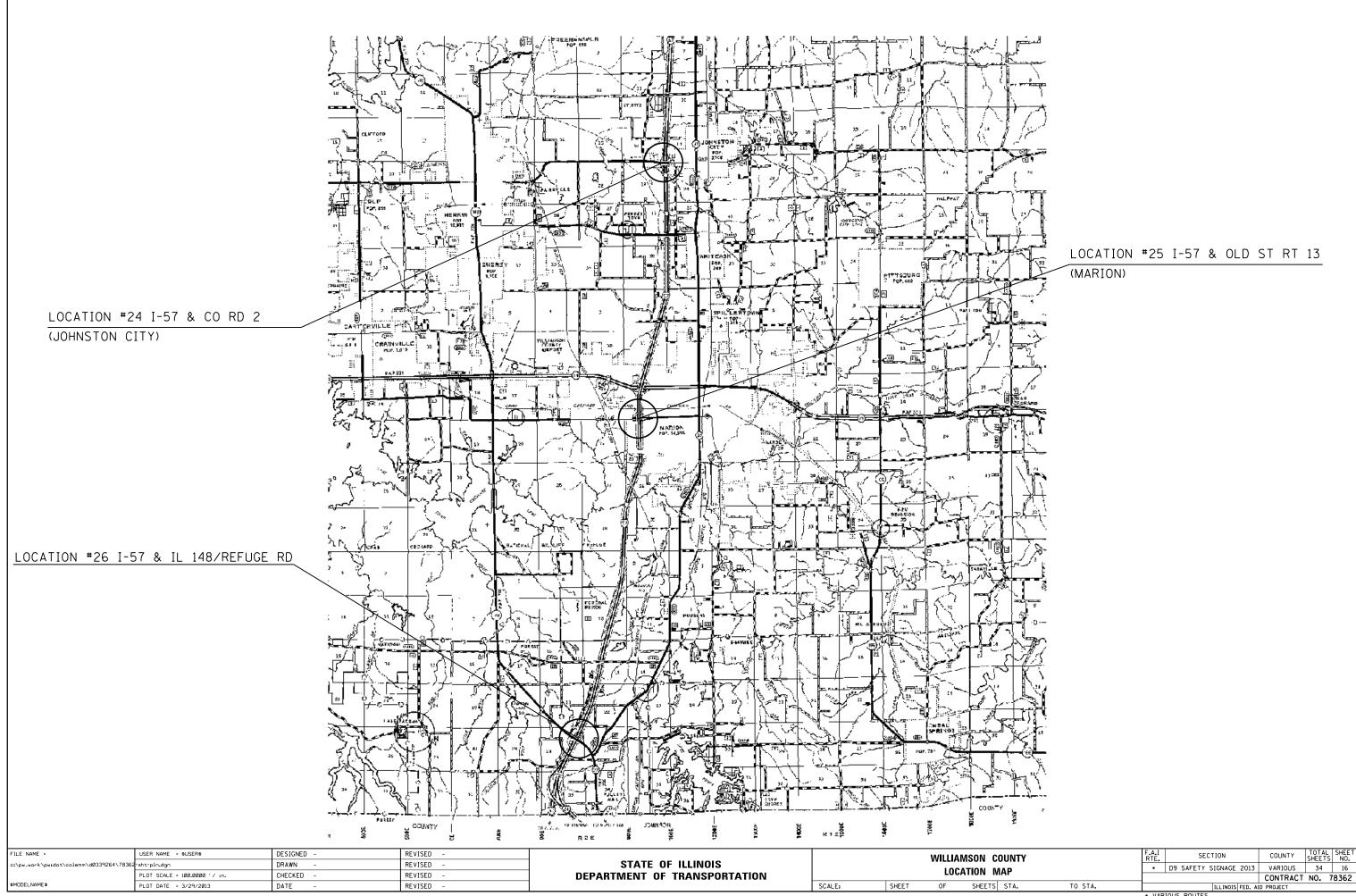
LOCATION #18 I-57 & LICK CREEK RD

LOCATION #20 I-57 & CYPRESS RD/CO HWY 14

(DONGOLA)

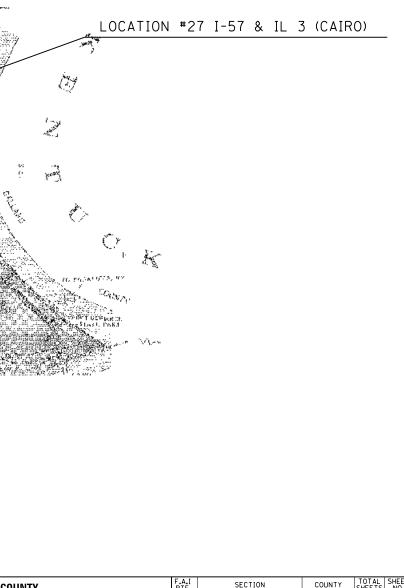
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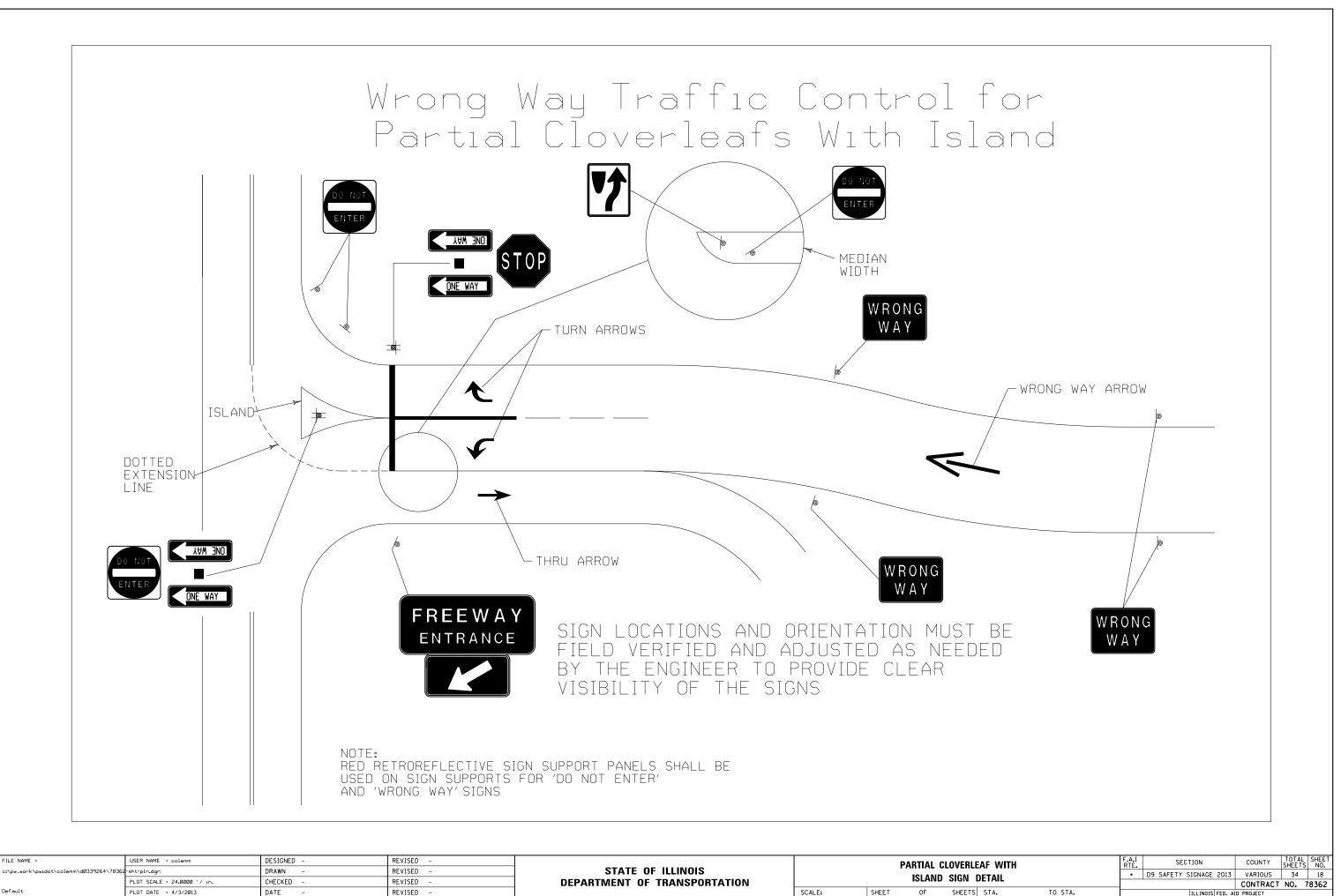




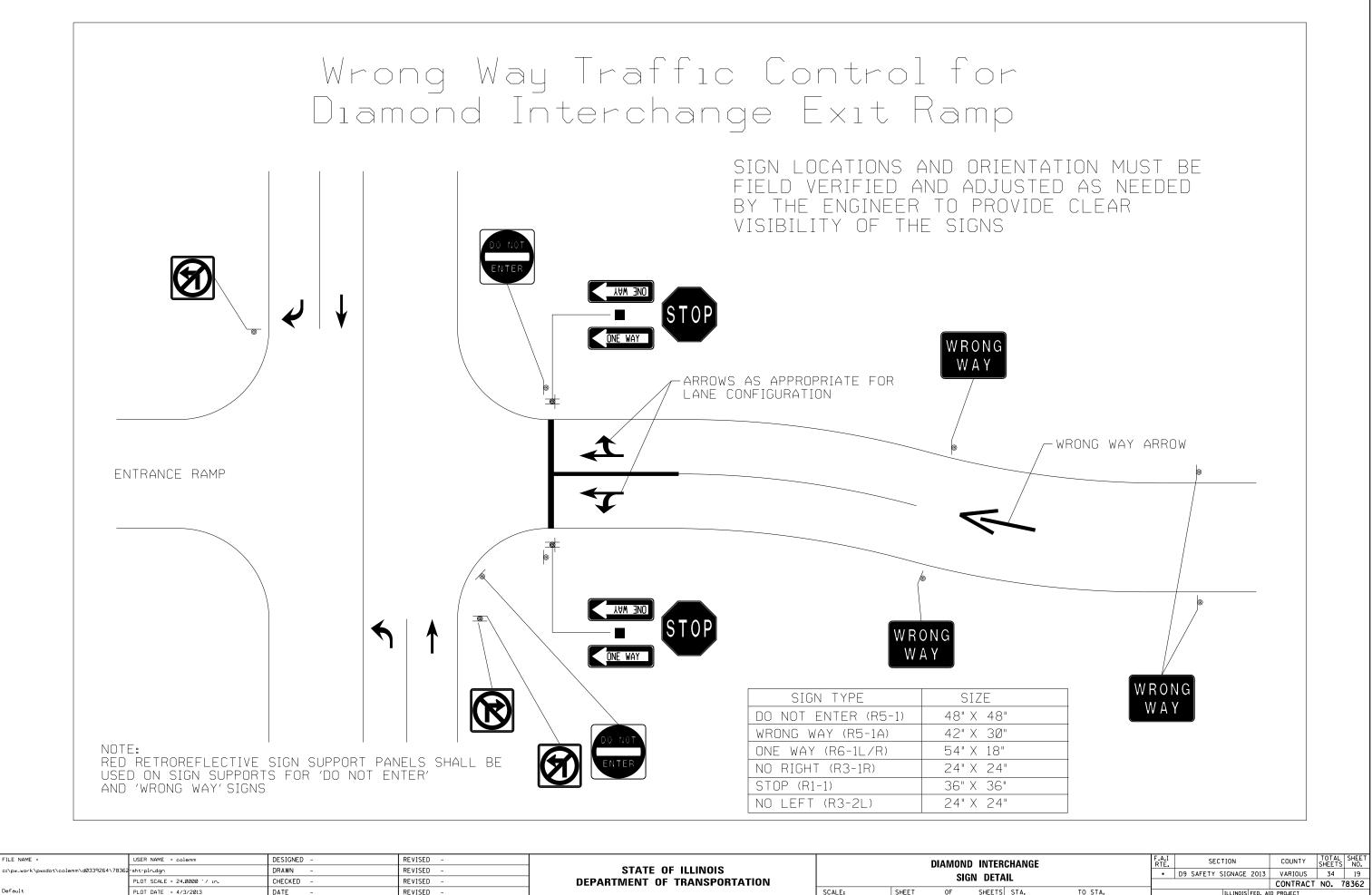
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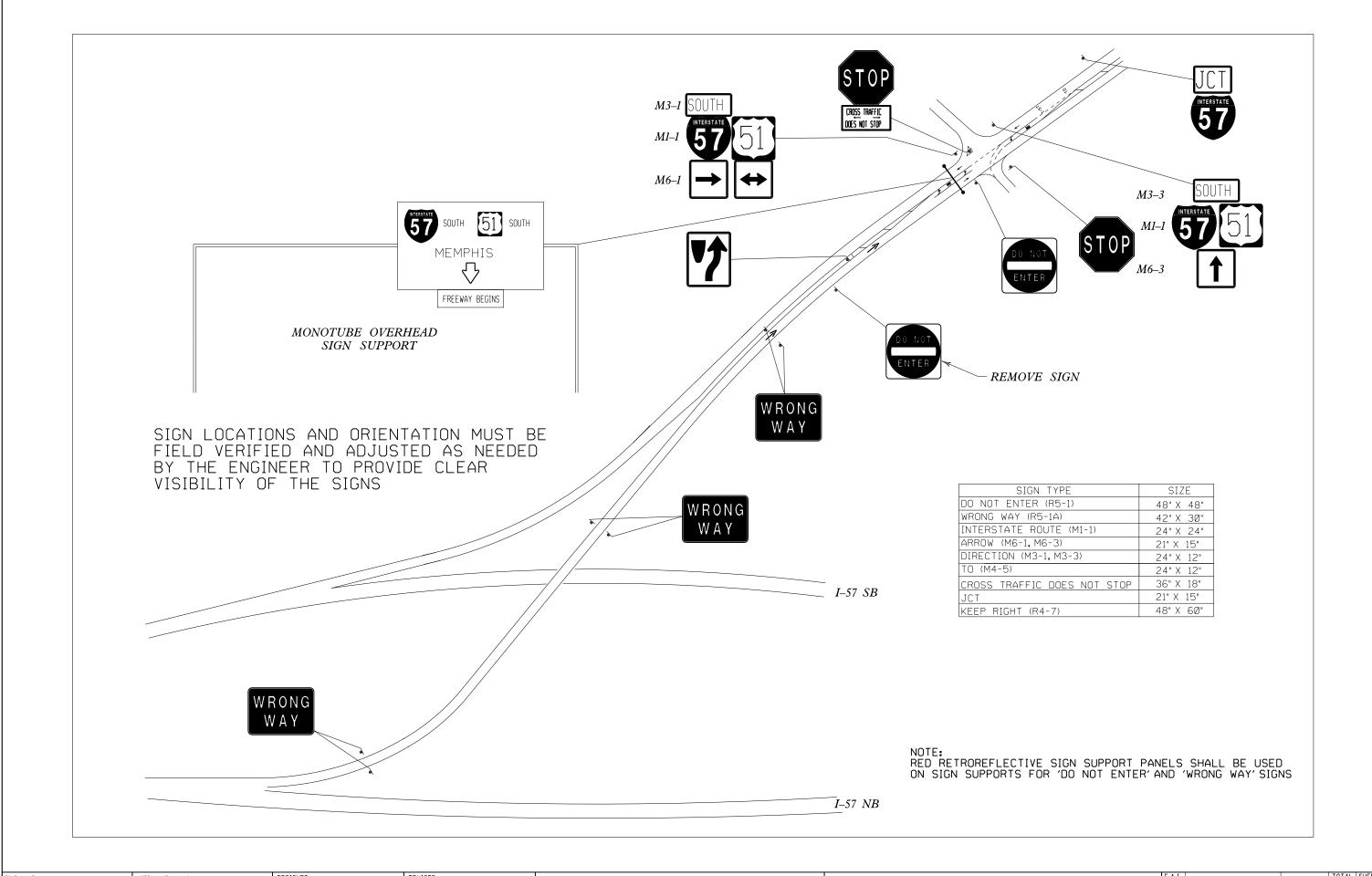
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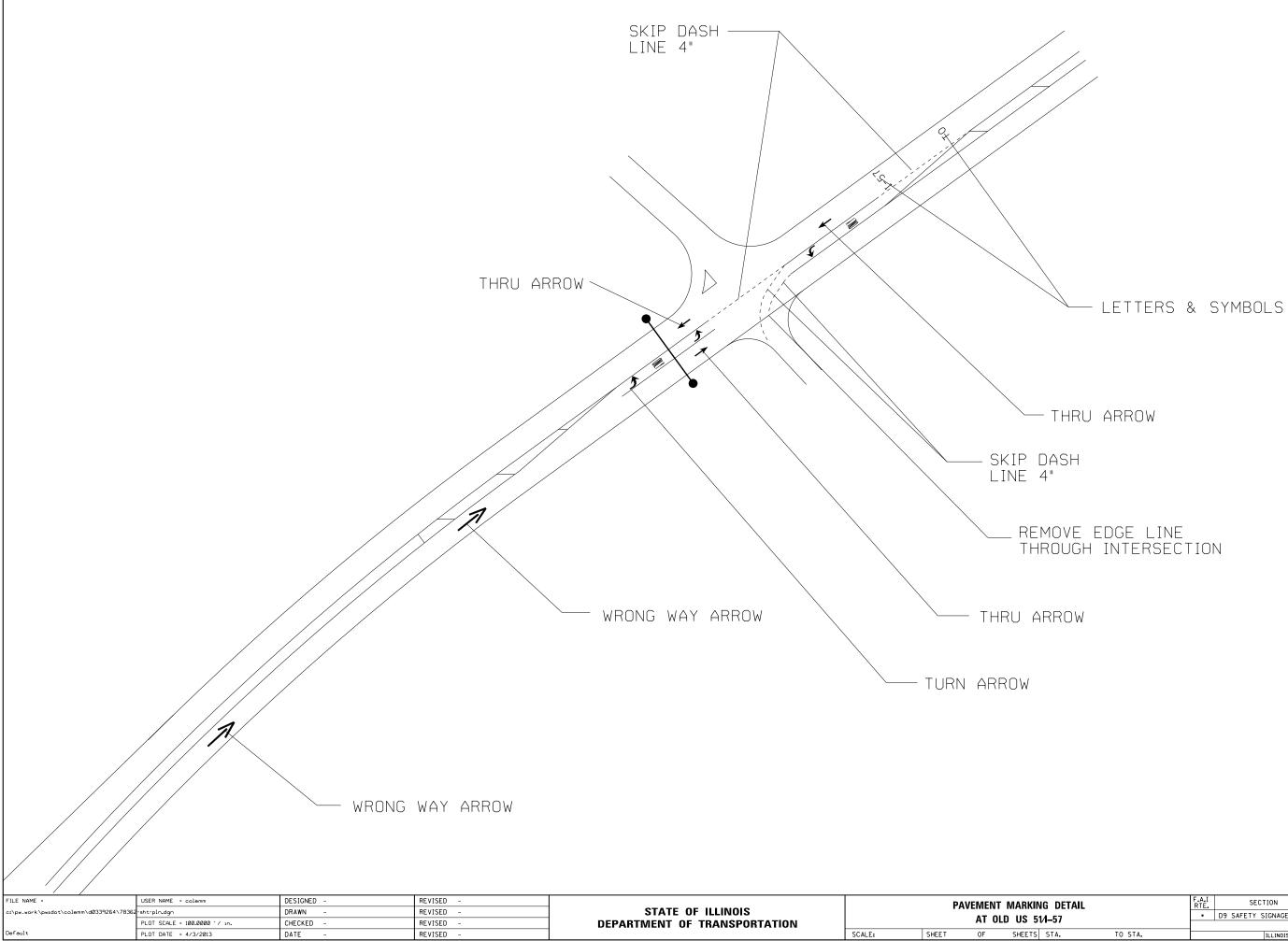
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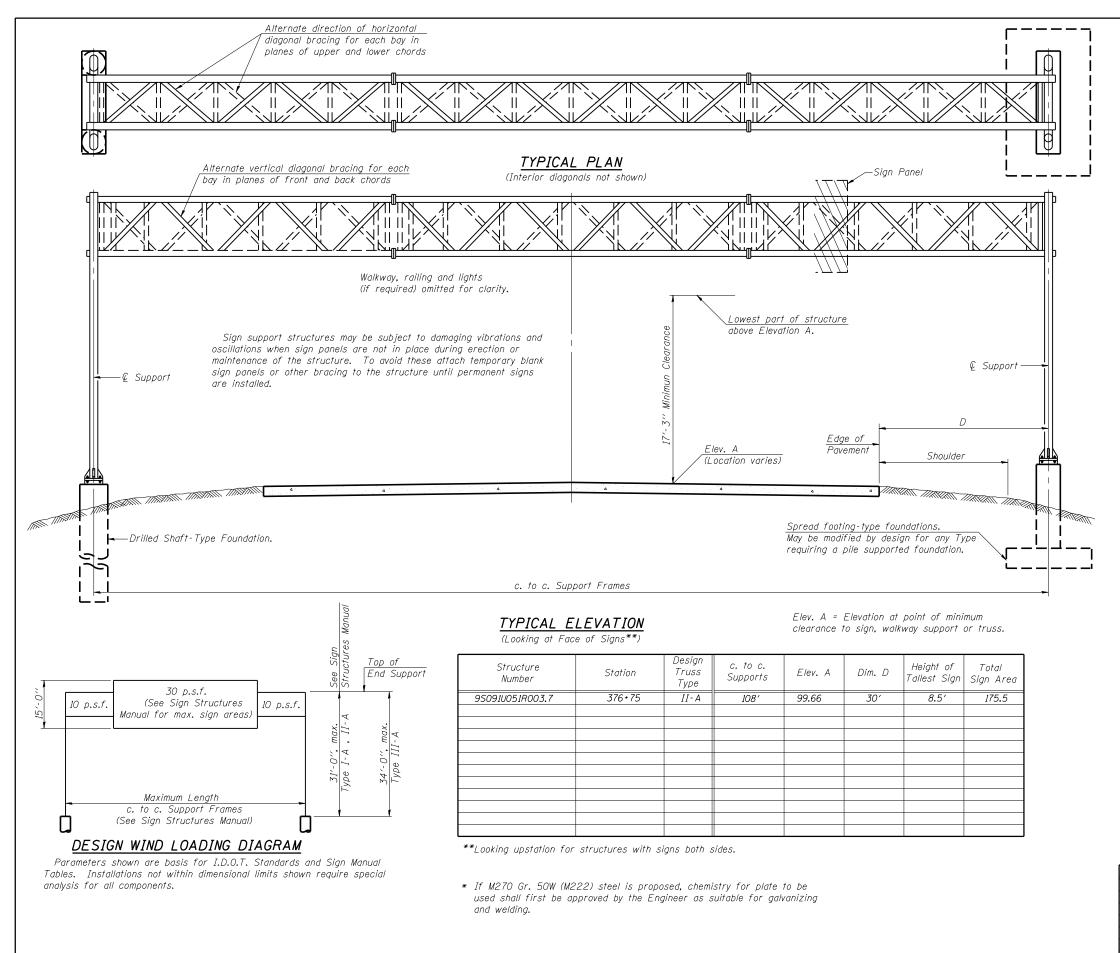
| Ā | IL AT | | F.A.I RTE. | | SE | CTION | | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 1 | ⊢ 57 | | • | D9 | SAFETY | SIGNAGE | 2013 | VARIOUS | 34 | 20 |
| | | | | | | | | CONTRACT | NO. 7 | 8362 |
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| 51/1-57 | | • | D9 | SAFETY | SIGNAGE | 2013 | VARIOUS | 34 | 21 |
| J/I-J/ | | | | | | | CONTRACT | NO. 7 | 8362 |
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| | | VAD | | DOUTES | | | | | |

| Sign Truss Foundation | | | | | ne Materials | | | l of 1 | |
|---|----------|------------|--------------|---------|------------------------------------|------------|--------|---------------|-----|
| | | e Numb | er: | | | | | 3/28/20 |)13 |
| Section D9 Safety Signage 2 | _ | | | | | ored By: | | | |
| County: Union | _ Loca | tion: [| JS 51 a | t 01d U | S 51 N of Dongola Chee | cked By: | R Grae | eff | |
| | D | в | | | Surf Wat Elev: 0.0 | D | В | | |
| Boring No <u>1-ST</u> | Ē | Ĺ | | | Ground Water Elevation | E | L | | |
| Station <u>376+75</u> | - P | 0 | | | when Drilling | P | 0 | | |
| Offset 24' Lt CL | | w | Qu | | At Completion | T | W | Qu | |
| Ground Surface 99.2Ft | н | | tsf | W% | At: Hrs: | Н | | tsf | |
| Very stiff, moist, brown and tan, | | | | | Stiff, moist to very moist, brown, | | 1 | 1.2B | |
| Silty Clay A-6 | | | | | Silt Loam to Silty Clay Loam 73.2 | | 2 | | |
| | | | | | | | | | |
| - | | | | | | . <u> </u> | | | |
| | | | 0.45 | | Bottom of hole = 26.0 Feet | | | | |
| - | | 3 | 2.1B | 23 | | | | | |
| | | 4 | | | No free water observed | | | | |
| 94.7 | | | | | Elevation referenced to CL US | ۳ | | | |
| Stiff, moist, brown and tan, | 5.0 | 2 | | | Rte 51 @ Station 376+75; | 30.0 | | | |
| Silty Clay A-6 | 0.0 | <u>-</u> 5 | 1.8B | 23 | Assumed elevation= 100.0 ft | 30.0 | | | |
| | _ | 5 | 1.00 | 20 | | | | | |
| - | | | | | Borehole advanced with hollow | | | | |
| | | | | | stem auger (8" O.D, 3.25" I.D.) | | | | |
| - | | 1 | | | l | | | | |
| | | 3 | 1.7B | 23 | To convert "N" values to "N60" | | | | |
| | | 4 | | | multiply by 1.25 | | | | |
| - | | | | | | | | | |
| | | | | | | | | | |
| | 10.0 | 1 | _ | | | 35.0 | | | |
| | | 3 | 1.5B | 22 | | | | | |
| - | | 3 | | | | | | | |
| | | | | | | | | | |
| 87.2 | | | | | | | | | |
| Stiff, moist, brown, Clay to Silty | | 1 | | | | | | | |
| Clay A7-6 | | 2 | 1.4B | 28 | | | | | |
| | | 3 | | | | | | | |
| 84.7 | | | | | | | | | |
| Very stiff, moist, brown, Clay to | 15.0 | 2 | | | 1 | 40.0 | | | |
| Silty Clay A7-6 | .0.0 | 4 | 2.1B | 23 | 1 | 40.0 | | | |
| | | 5 | 2.70 | 20 | | | | | |
| - | | | | | T | | ĺ | | |
| _ | | | | | 1 | | 1 | | |
| - | | 1 | | | 1 | | | | |
| - | | 4 | 2.3B | 25 | | | | | |
| | | 4 | | | | | | | |
| - | | | | | | | | | |
| 79.7 | | | | | 4 | | l | | |
| Stiff, moist to very moist, tan | 20.0 | | | | | 45.0 | | | |
| and brown, Silty Clay A-6 | | 3 | 1 .1B | 24 | | | | | |
| - | | 3 | | | | | | | |
| 77.2 | | | | | | | | | |
| Medium, very moist, tan and | | 1 | | | | | 1 | | |
| brown, Silty Clay A-6 | | | 0.8B | 29 | + | | ł | | |
| | | 1 | 0.00 | 29 | | | ł | | |
| | —— | | | | | | 1 | | |
| - 74.7 | | | | | | | í | | |
| · _ ~ · · · · · · _ ~ · · _ ~ · _ ~ · · · _ ~ · · _ ~ · ~ _ ~ | 25.0 | 1 | | | 1 | 50.0 | 1 | | |

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| | COUNTY SHEETS NO |
| | 3-1 VARIOUS 34 22 |
| PLOT SCALE = 100.0000 / 1n. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION | CONTRACT NO. 78362 |
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| | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | ELEVA | $\Pi U N = A$ | UMINU | M TRUSS |
| \$MODELNAME\$ | PLOT DATE = 3/29/2013 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS S |

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES: Field Units f'c = 3,500 p.s.i. fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO MI64 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

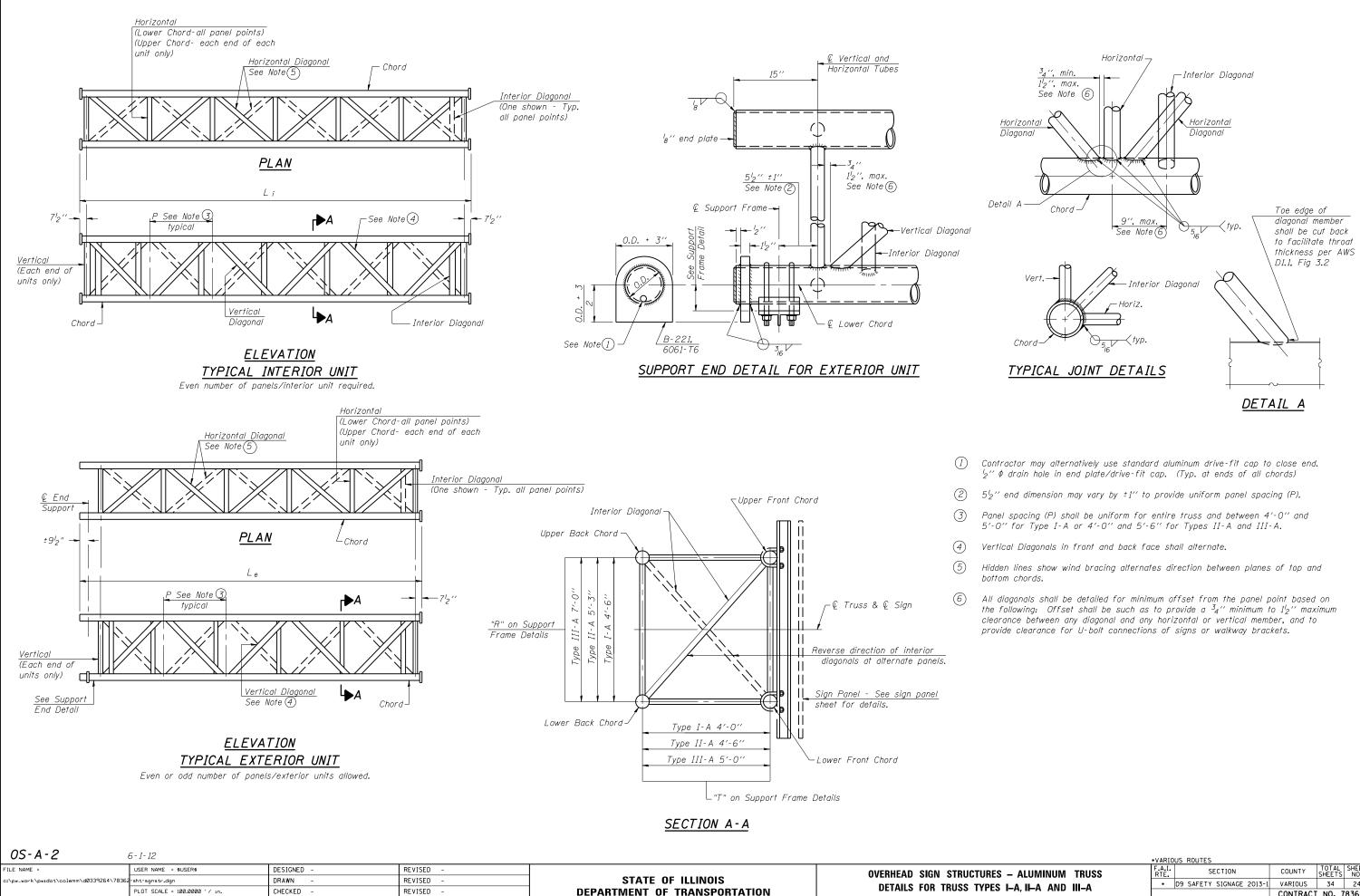
REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|---|----------|-------|
| OVERHEAD SIGN STRUCTURE SPAN TYPE I-A | Foot | |
| OVERHEAD SIGN STRUCTURE SPAN TYPE II-A | Foot | 108 |
| OVERHEAD SIGN STRUCTURE SPAN TYPE III-A | Foot | |
| OVERHEAD SIGN STRUCTURE WALKWAY TYPE A | Foot | 48 |
| CONCRETE FOUNDATIONS | Cu. Yds. | |
| DRILLED SHAFT CONCRETE FOUNDATIONS | Cu. Yds. | 24.0 |
| | | |

| | •VARIO | US ROUTES | | | |
|----------------------|----------------|--------------------------|-----------|-----------------|--------------|
| S – GENERAL PLAN & | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ISS & STEEL SUPPORTS | • | D9 SAFETY SIGNAGE 2013-1 | VARIOUS | 34 | 23 |
| | | | CONTRACT | NO. 7 | 8362 |
| S STA. TO STA. | | ILLINOIS FED. A | D PROJECT | | |



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\$MODELNAME\$

PLOT DATE = 3/29/2013

DATE

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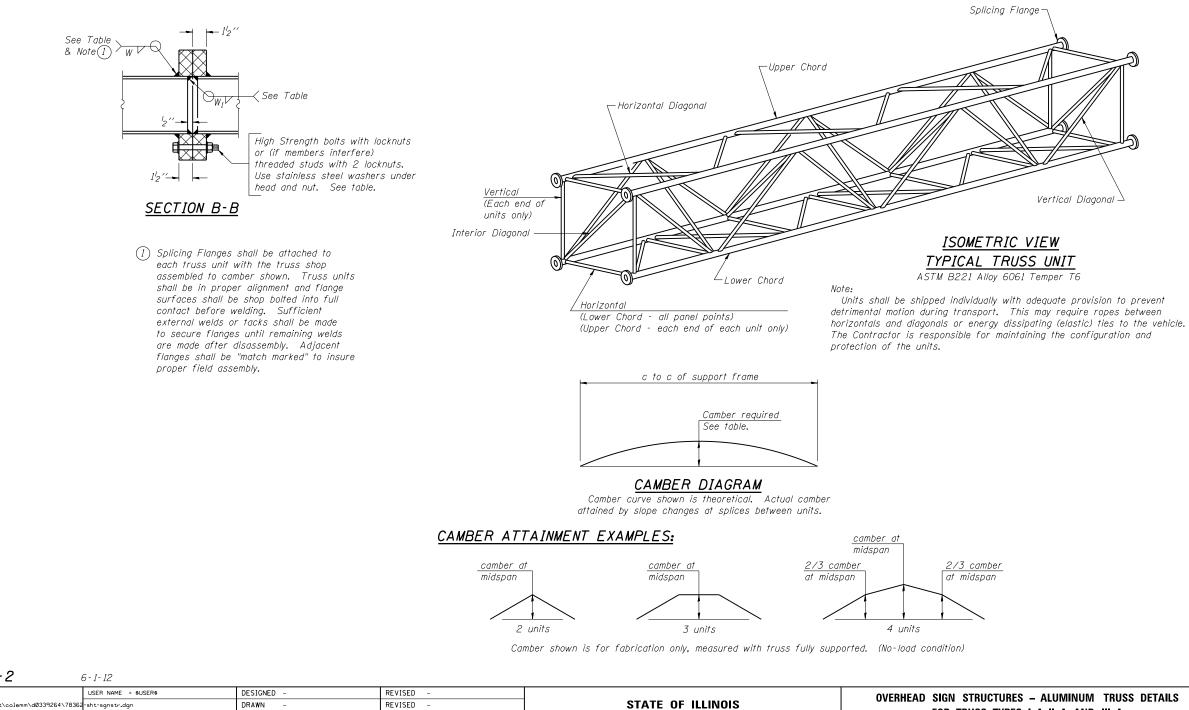
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| N STRU | CTURES | – ALUMINUM | TRUSS | F.A.I. RTE. | | SE | CTION | | COUNTY | TOTAL SHEETS | SHEET NO. |
| TRUSS | TVDES | | III_A | • | D9 : | SAFETY | SIGNAGE | 2013-1 | VARIOUS | 34 | 24 |
| TRUSS TYPES I-A, II-A AND III-A | | | | | | | | | CONTRACT | NO. 7 | 8362 |
| OF | SHEETS | STA. | TO STA. | | | | ILLINOIS | FED. AI | D PROJECT | | |
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| | | | | | | | <u>T/</u> | RUSS U | INIT T | A <u>BLE</u> | | | | | | | | |
|---------------------|--------|------|----------|-----------------------|------------------------|---------------|------------------------|-----------------------------------|----------------------|---|-------------------|------|-------------------|---------|------------|-----------------|------------------|----------|
| Structure Number | | | Exte | rior Units Unit | | | | Chord Horizontal and Interior Dia | | Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals | | | Bolts | | | Flange Sizes | | |
| Namber | | Туре | per Unit | Lgth.(Le) | Panel Lgth.(P) | No. Req′d. | No. Panels per Unit | Unit Lgth.(L;) | Panel Lgth.(P) | 0.D. | Wall | 0.D. | Wall | Midspan | No,/Splice | | Weld | W1 |
| 9S091U051R003.7 | 376+75 | II-A | 7 | 38′-5 ³ 4' | ' 5'-2 ³ 4" | 1 | 6 | 32′-7′ ₂ ′ | 5′-2 ³ 4″ | 6½" | ⁵ 16 " | 3" | ⁵ /6 " | 3.52" | 6 | 1" | 3 ₈ " | / " 4 |
| | | _ | | | | | | | | | | | | | | | ── | |
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FOR TRUSS TYPES I-A

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DEPARTMENT OF TRANSPORTATION

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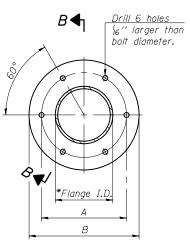
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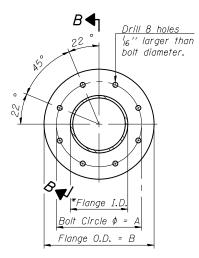
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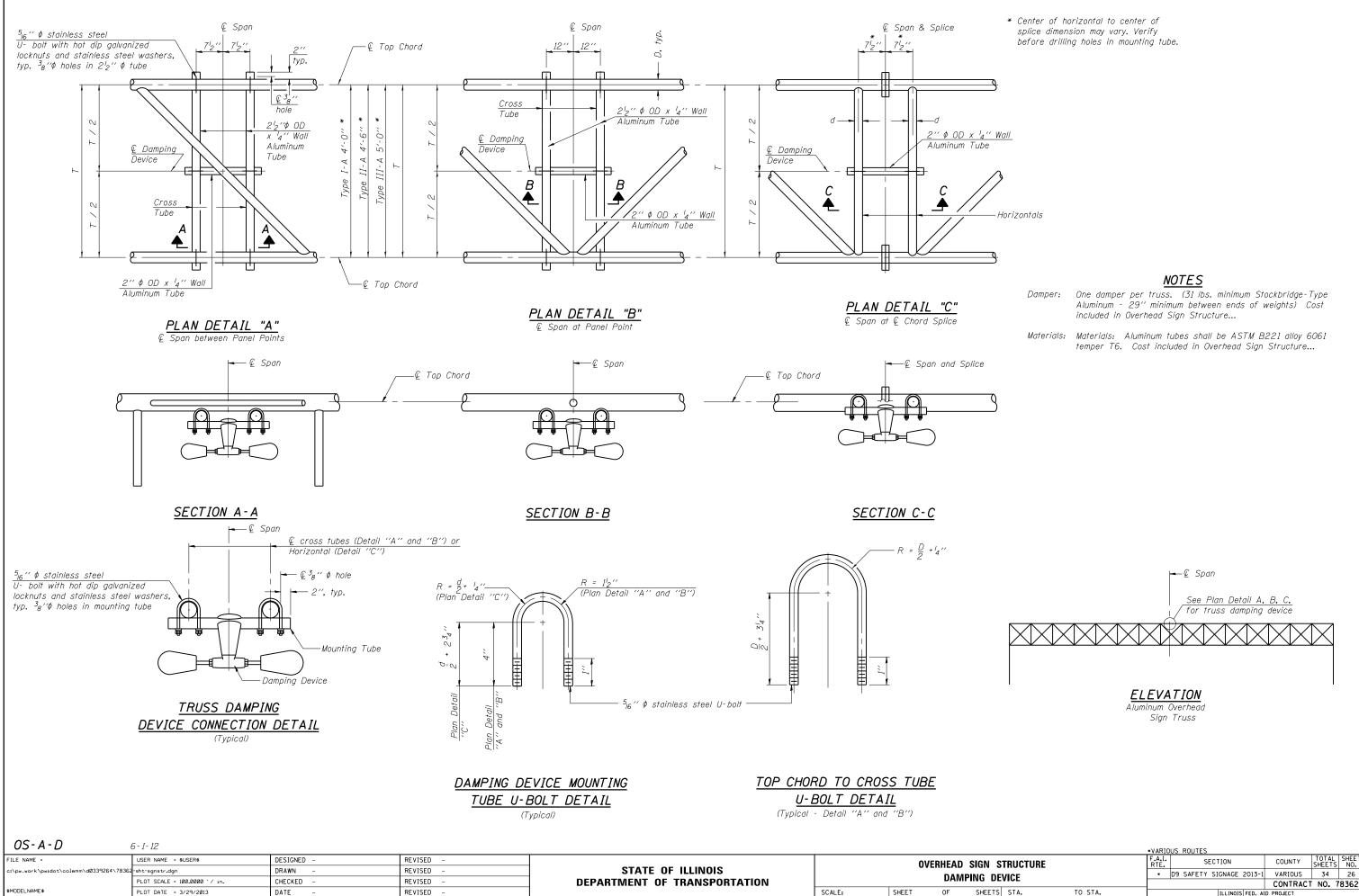
TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A SPLICING FLANGES

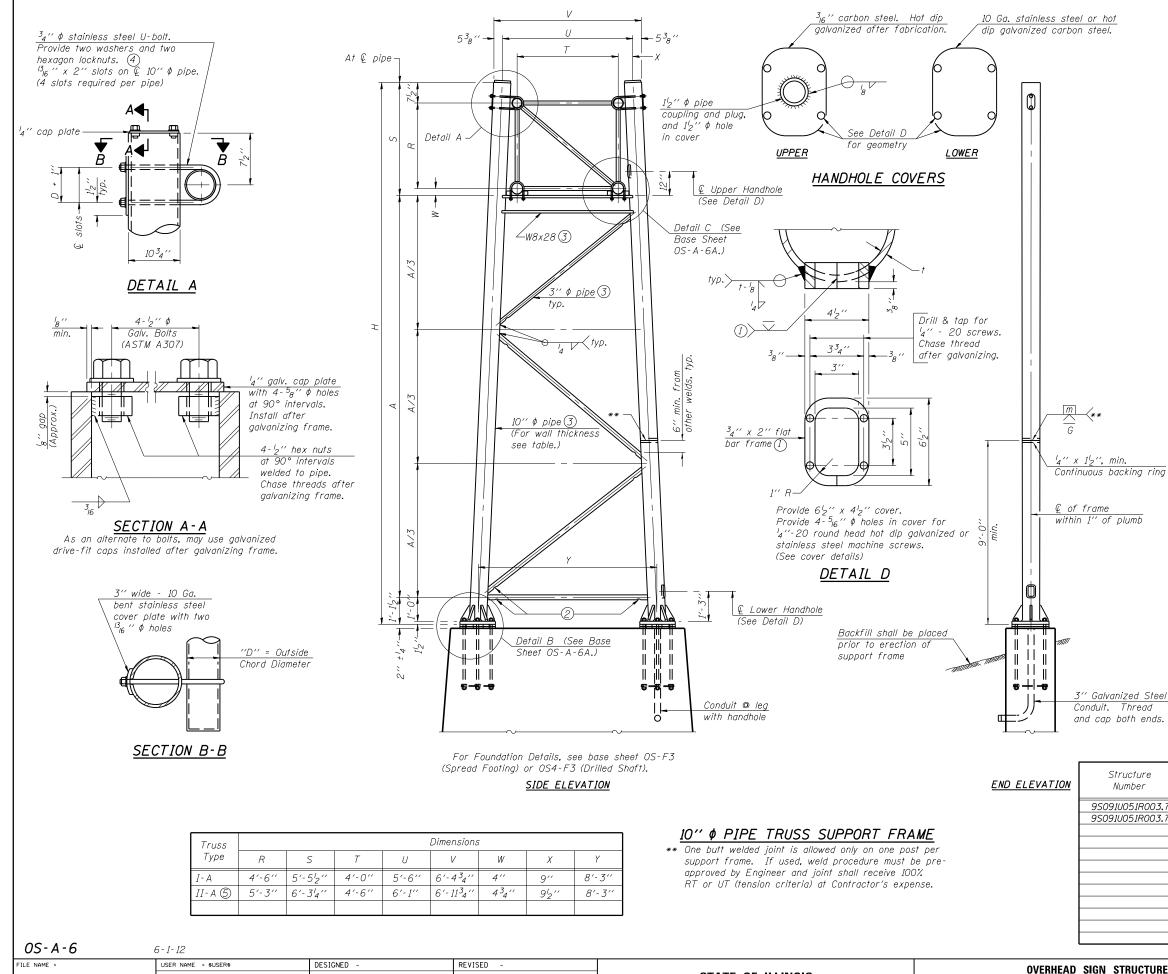
ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 *To fit O.D. of Chord with maximum gap of $l_{\rm 16}$ ".

| | J | | TOTAL | |
|-------------------------------------|-------------|------------|-----------------|--------------|
| STRUCTURES – ALUMINUM TRUSS DETAILS | • | COUNTY | TOTAL SHEETS | SHEET NO. |
| USS TYPES I-A, II-A AND III-A | GE 2013-1 | I VARIOUS | 34 | 25 |
| | | CONTRACT | NO. 7 | 8362 |
| OF SHEETS STA. TO STA. ILLIN | NOIS FED. A | ID PROJECT | | |



| Damper: | One damper per truss. (31 lbs. minimum Stockbridge-Type |
|------------|---|
| | Aluminum – 29" minimum between ends of weights) Cost |
| | included in Overhead Sign Structure |
| Materials: | Materials: Aluminum tubes shall be ASTM B221 alloy 6061 |

| | | | VARIO | US | ROUTES | | | | | | |
|--------|----------|----------------|---------------------------|----------|--------|---------|--------|------------------------|-------|--|--|
| S | TRUCTURE | F.A.I. RTE. | | S | ECTION | | COUNTY | COUNTY TOTAL SHEETS | | | |
| DEVICE | | | • | D9 | SAFETY | SIGNAGE | 2013-1 | VARIOUS | 34 26 | | |
| | | | | CONTRACT | NO. 7 | 8362 | | | | | |
| rs | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | | | | | | |
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\$MODELNAME\$

2-sht-sanstr.dan

PLOT SCALE = 100.0000 '/ in.

PLOT DATE = 3/29/2013

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.

- Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign
- b) 60% wind normal to sign, 30% parallel to sign
- (1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.
- (2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- (4) See General Notes for fasteners.
- (5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- (6) "H" based on 15'-O'' or actual sign height, whichever is greater.

3'' Galvanized Steel

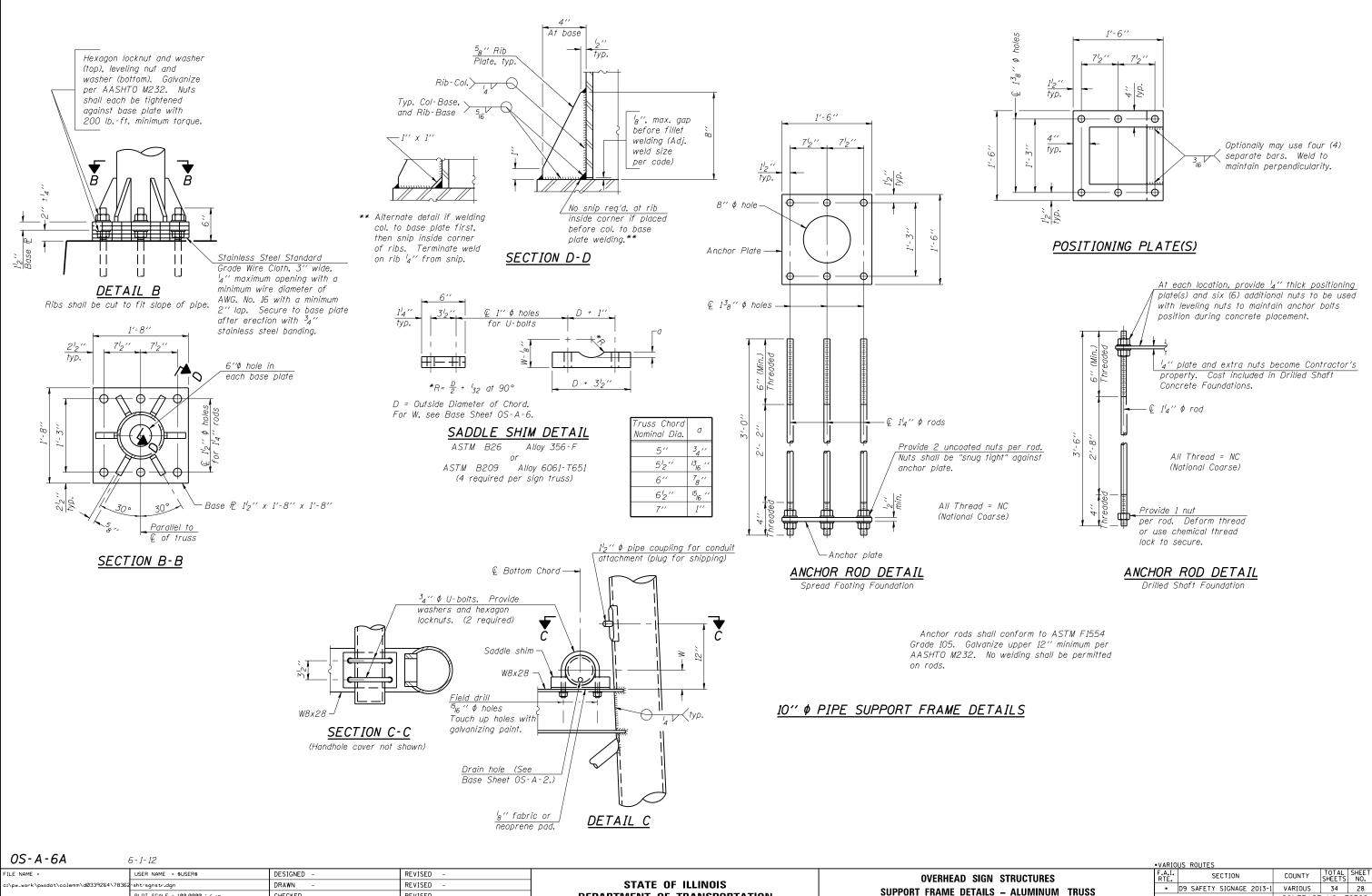
SUPPORT FRAME FOR A

OF SHEET

SHEET

SCALE:

| Structure Number | Suļ Left | por R | t light | Trus Type | | Pipe W Thickne | | Н (б) | A | | |
|-----------------------|-------------|----------|-------------|--------------|---------|-------------------|-------------|----------|--------|----------------|--------------|
| 01U051R003.7 | 376+75 | | | X | II- | A | 0.36 | 5 | 27.44 | 20.0 |)4 <i>′</i> |
| 01U051R003 . 7 | 376+75 | X | | | II- | Α | 0.36 | 5 | 27.20' | 19.8 | 01 |
| | | | | | | | | | | | |
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| | | • V | ARIO | US RO | UTES | | | | | | |
| STRUCTURES | | F. R | A.I. TE. | | SEC | TION | | CO | UNTY | TOTAL HEETS | SHEET NO. |
| ALUMINUM TRU | JSS | | • | D9 SA | FETY SI | GNAC | E 2013-1 | | RIOUS | 34 | 27 |
| TS STA. | TO STA. | | | | | | | | | NO. 7 | 8362 |
| 13 31A. | IU SIA. | | | | | ILLIN | OIS FED. AI | D PROJ | ECT | | |

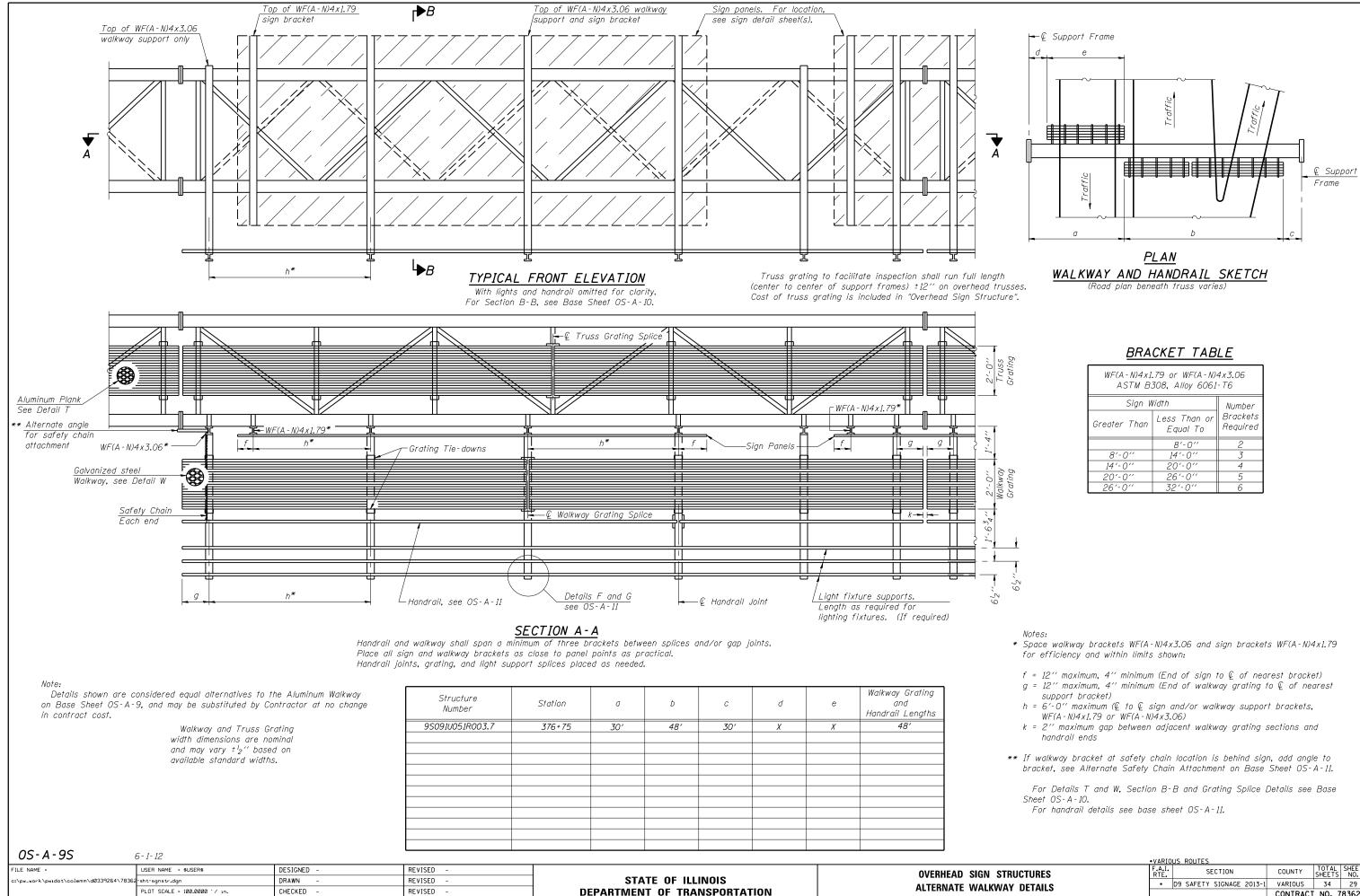


CONTRACT NO. 78362

TULINOIS FED ALD PROJECT

TO STA.

| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | REVISED - | | Í | OVE | RHEAD SIG | CN ST | RUCTU |
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| | PLOT SCALE = 100.0000 ' / 10. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | SU | PPORT FR | AME DETA | ILS = I | ALUMI |
| \$MODELNAME\$ | PLOT DATE = 3/29/2013 | DATE - | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. |



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PLOT DATE = 3/29/2013

DATE

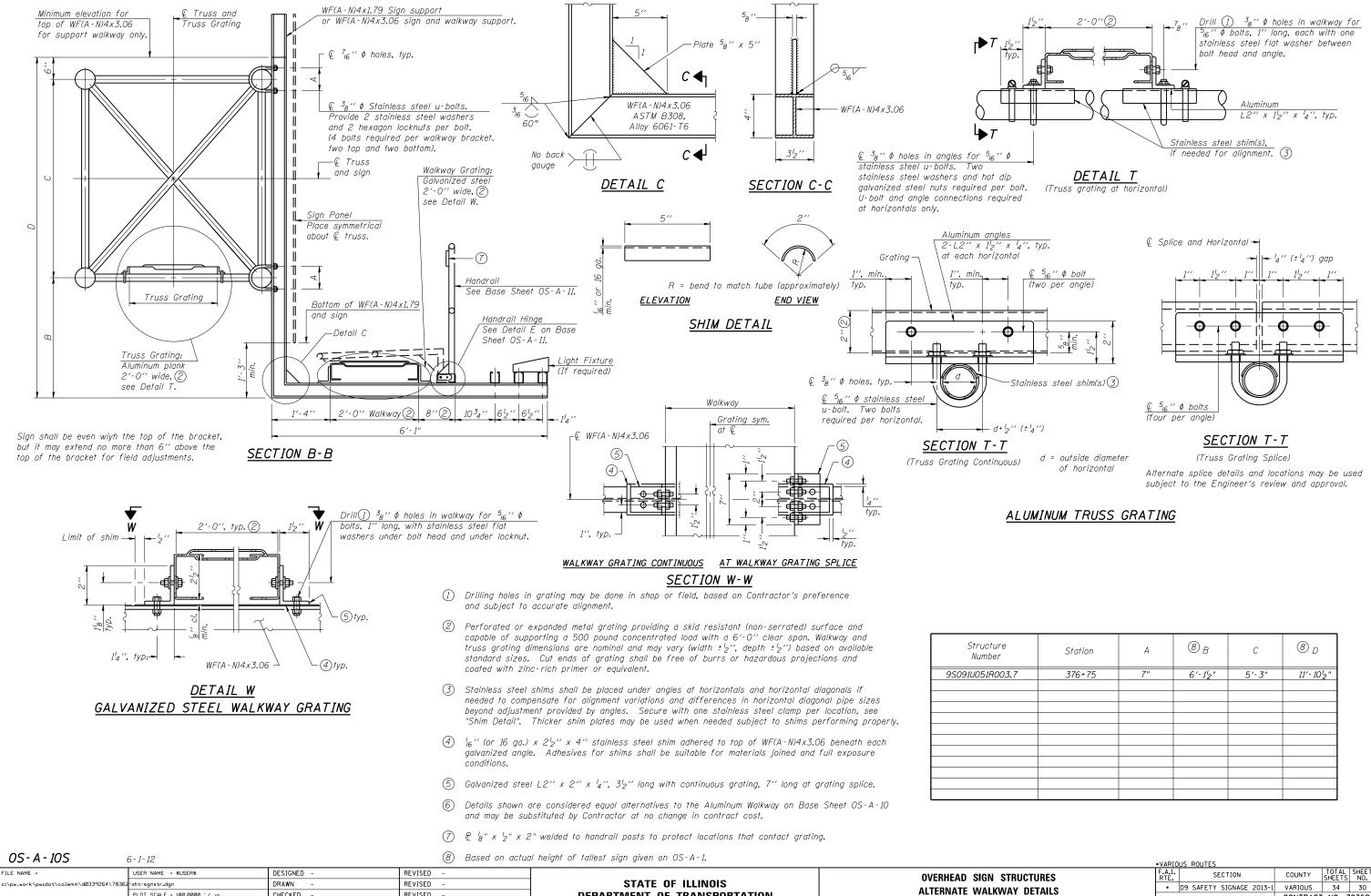
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| | .79 or WF(A-N) 308, Alloy 6061 | |
|--------------|-----------------------------------|---|
| Sign W | lidth | Γ |
| Greater Than | Less Than or Equal To | |

| | | •VARIO | US ROUT | ES | | | | | | |
|-------------|---------|---------------------------|---------|----|---------|--------|----------|-----------------|--------------|--|
| STRUCTURES | | F.A.I. RTE. | | SE | CTION | | COUNTY | TOTAL SHEETS | SHEET NO. | |
| NAY DETAILS | | | D9 SAFE | TΥ | SIGNAGE | 2013-1 | VARIOUS | 34 29 | | |
| | | | | | | | CONTRACT | NO. 78362 | | |
| IS STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | | | | | | |

SCALE: SHEET



LOT SCALE = 100.0000 '/ in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** PLOT DATE = 3/29/2013 DATE REVISED

\$MODELNAME\$

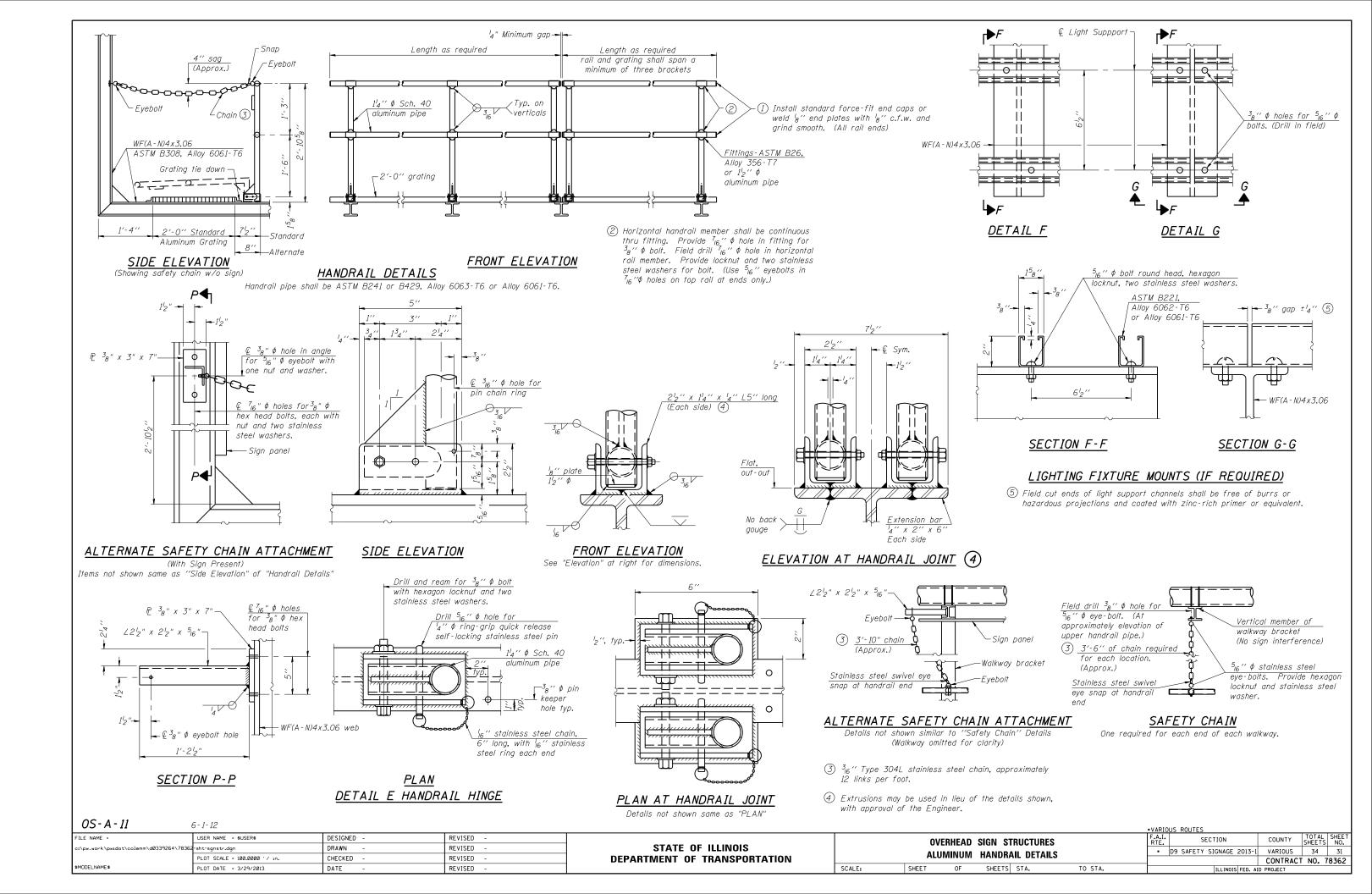
OF SHEET

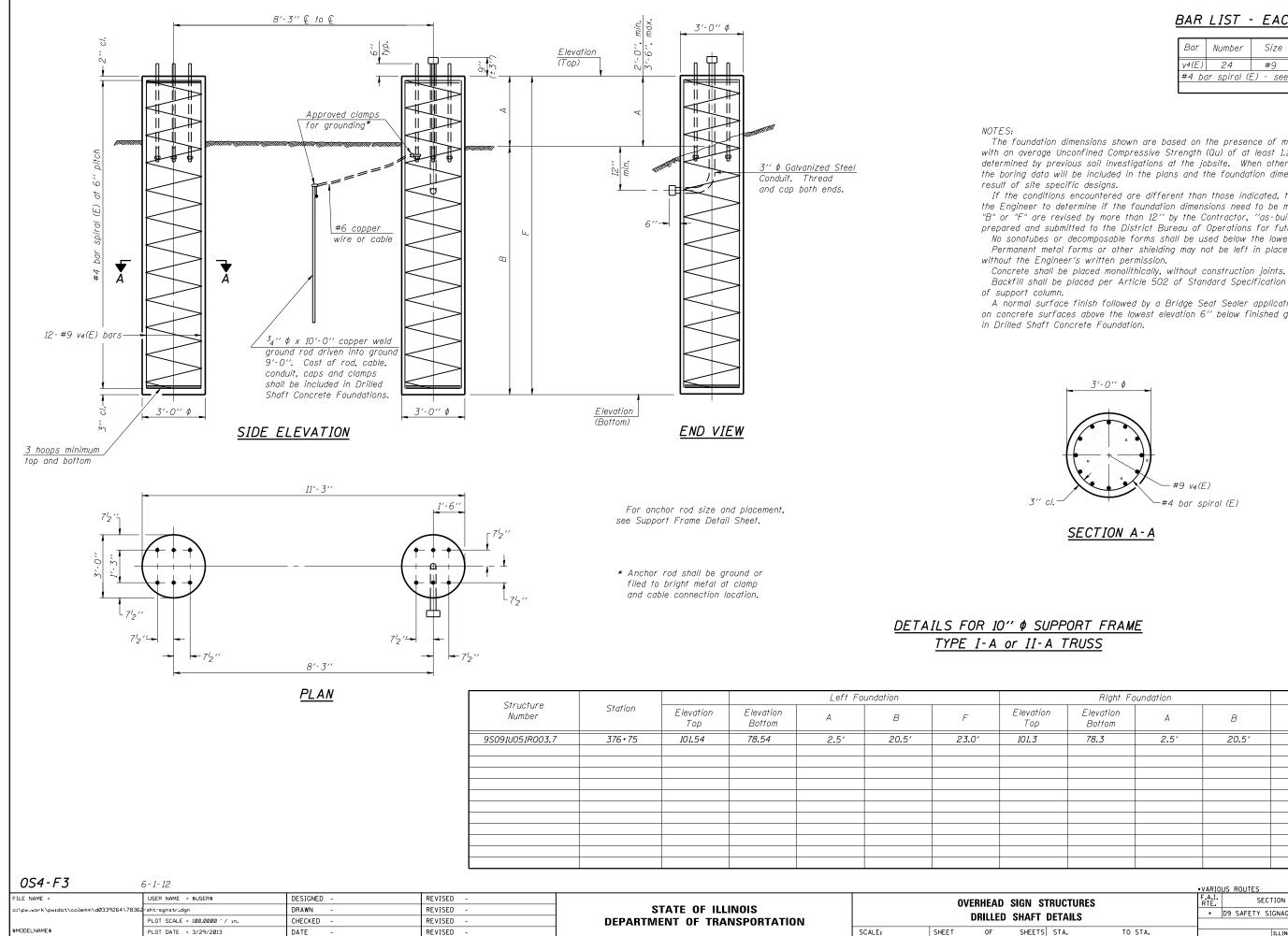
SHEET

SCALE:

| re - | Station | А | 8 _B | С | 8 _D |
|---------|---------|----|----------------|-------|-------------------------|
| 03.7 | 376+75 | 7" | 6′-1½″ | 5′-3″ | 11'- 10 ¹ 2" |
| | | | | | |
| | | | | | |
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| STRUCTURES F.A.I. SECTION COUNTY TOTAL SHEETS | SHEET NO. | | | | | | |
|---|---------------------------|--|--|--|--|--|--|
| | NU. | | | | | | |
| • D9 SAFETY SIGNAGE 2013-1 VARIOUS 34 | 30 | | | | | | |
| CONTRACT NO. | 78362 | | | | | | |
| TS STA. TO STA. ILLINOIS FED. AID PROJECT | ILLINOIS FED. AID PROJECT | | | | | | |





BAR LIST - EACH FOUNDATION

| v4(E) 24 #9 F less 5'' | ape |
|--|-----|
| | |
| #4 bar spiral (E) - see Side Elevation | |

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the

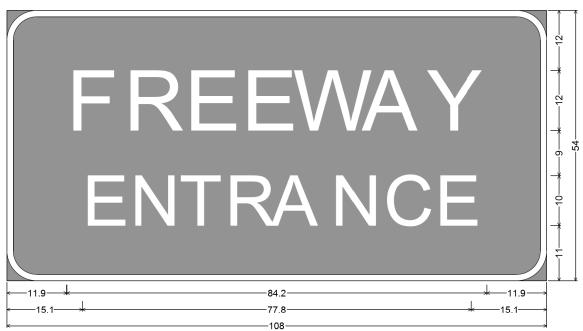
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

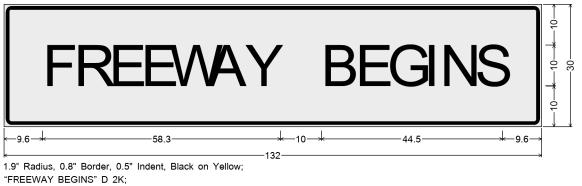
Backfill shall be placed per Article 502 of Standard Specification and prior to erection

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

| | Right Fo | oundation | | | Class DS |
|-----------|---------------------|-----------|-------|-------|------------------------|
| tion D | Elevation Bottom | А | В | F | Concrete (Cu. Yds.) |
| | 78.3 | 2.5′ | 20.5' | 23.0' | 24.0' |
| | | | | | |
| | | | | | |
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| | | | VARIO | US | ROUTES | | | | | | |
|---------|-----------|---------|---------------------------|----|--------|---------|-----------------------|----------|-----------------|--------------|--|
| 57 | TRUCTURES | | | | Ş | SECTION | | COUNTY | TOTAL SHEETS | SHEET NO. | |
| DETAILS | | | • | D9 | SAFETY | SIGNAC | AGE 2013-1 VARIOUS 34 | | | | |
| | | | | | | | | CONTRACT | T NO. 7 | 8362 | |
| 5 | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | | | | | | |
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"FREEWAY BEGINS" D 2K; Table of letter and object lefts.

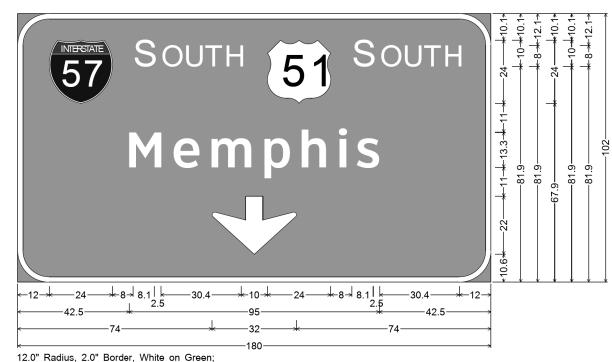
 F
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 9.6
 17.3
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 86.4
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 107.1
 115.6

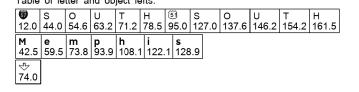
6.0" Radius, 1.3" Border, White on Green; "FREEWAY" E Mod 2K; "ENTRANCE" E Mod 2K; Table of letter and object lefts.

| F 11.9 | R 23.3 | E 35.6 | E 47.0 | W 57.2 | A 70.9 | Y 83.9 | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| E | N | T | R | A | N | C | E |
| 15.1 | 24.6 | 34.5 | 43.7 | 52.8 | 64.8 | 75.3 | 85.5 |

| FILE NAME = | USER NAME = colemm | DESIGNED - | REVISED - | | FREEWAY ENTRANCE/FREEWAY BEGINS SIGN PANEL DETAILS | | | | | F.A.I RTF | SECTION | COUNTY TO | OTAL SHEET HEETS NO. |
|---|-------------------------------|------------|-----------|------------------------------|---|----|-------------|---------|--|-------------------|------------------------|------------|-------------------------|
| c:\pw_work\pwidot\colemm\d0339264\78362 | -sht-pln.dgn | DRAWN - | REVISED - | STATE OF ILLINOIS | | | | | | • | D9 SAFETY SIGNAGE 2013 | VARIOUS | 34 33 |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | | | | | | | | CONTRACT N | NO. 78362 |
| \$MODELNAME\$ | PLOT DATE = 4/3/2013 | DATE - | REVISED - | | SCALE: | OF | SHEETS STA. | TO STA. | | ILLINOIS FED. AID | | | |
| VARIOUS ROUTES | | | | | | | | | | | | | |



"S OUTH" E Mod 2K; "S OUTH" E Mod 2K; "Memphis" ClearviewHwy-5-W; Down Arrow 22.0" 270°; Table of letter and object lefts.



| | | | | | | | | | | | | •VARIOUS ROUTES | | |
|---|-------------------------------|------------|-----------|------------------------------|-------------------|-------|----|--------|------|---------|--|-----------------|--------------|-------|
| FILE NAME = | USER NAME = colemm | DESIGNED - | REVISED - | | SIGN PANEL DETAIL | | | | | | F.A.I. RTE | SECTION | COUNTY TOTAL | SHEET |
| c:\pw_work\pwidot\colemm\d0339264\78362 | -sht-sgnstr.dgn | DRAWN - | REVISED - | STATE OF ILLINOIS | | | | | | | D9 SAFETY SIGNAGE 2013-1 VARIOUS 34 34 | | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION | | | | | | | CONTRACT NO. 78362 | | | |
| Default | PLOT DATE = 4/3/2013 | DATE – | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | |