

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | *67 | 1 |
| ILLINOIS CONTRACT NO. 60P68 | | | | |

* 67 + 2 = 69 TOTAL SHEETS

D-91-599-11



03-08-2019 LETTING ITEM 005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

F.A.P ROUTE 365: IL 56 (BUTTERFIELD RD)
1) NAPERVILLE RD TO IL 53
2) AT PARK BLVD
SECTION: 57-RS-3
PROJECT: NHPP-MBTB(124)
1) RESURFACING (3P)/PEDESTRIAN RAMPS
2) TRAFFIC SIGNAL MODERNIZATION
DUPAGE COUNTY

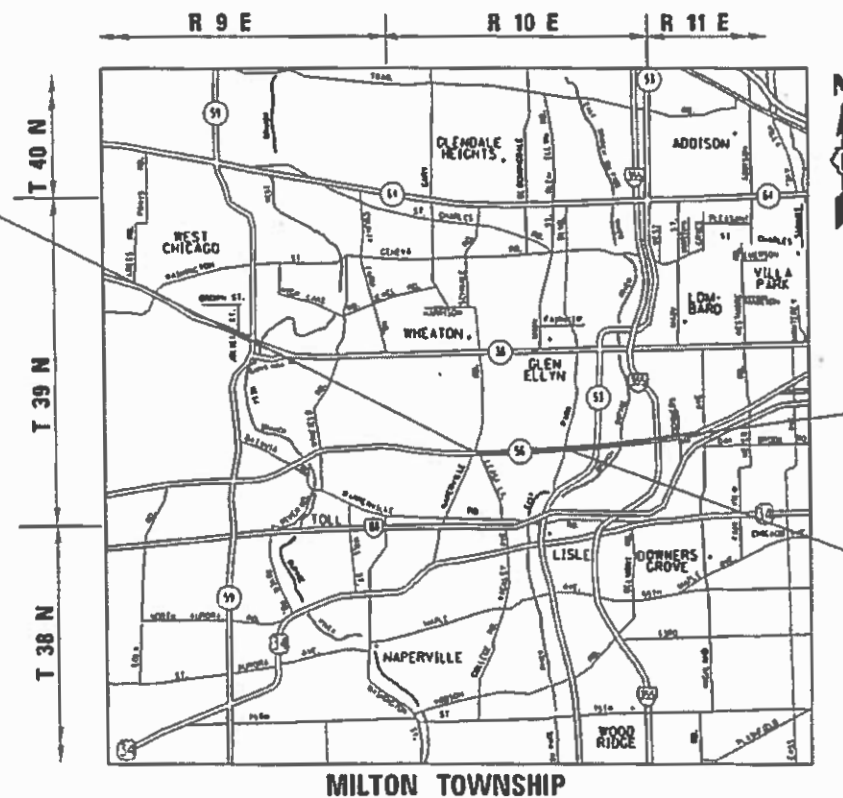
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE CITY OF WHEATON.

TRAFFIC DATA

ADT (2017) = 32,100
POSTED SPEED LIMIT = 45 MPH

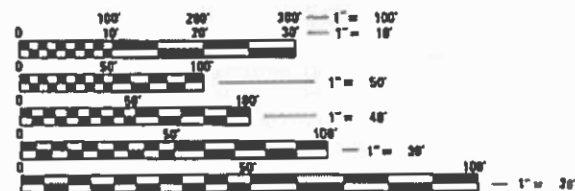
C-91-599-11



LOC 1) PROJECT
BEGINS: STA. 32 + 62.3

LOC 1) PROJECT
ENDS: STA. 167 + 00

LOC 2)
AT PARK BLVD



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

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

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247
CONTRACT NO. 60P68

GROSS & NET LENGTH = 10,434.6 FT. = 1.976 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED ~~November 20 18~~
Feb 1 20 19
Anthony J. Quigley, P.E. REGIONAL ENGINEER
Feb 20 19
ENGINEER OF DESIGN AND ENVIRONMENT
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES:

| SHEET NO. | DESCRIPTION |
|-----------|---|
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| 3 | SUMMARY OF QUANTITIES |
| 9 | TYPICAL SECTIONS |
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| 16 | DRIVEWAY REMOVAL PLAN |
| 17 | DETECTOR LOOP REPLACEMENT PLANS |
| 24 | ADA RAMP DETAILS |
| 35 | DUPAGE DOT RRPM DETAIL |
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| 64 | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14) |
| 65 | SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16) |
| 66 | ARTERIAL ROAD INFORMATION SIGNING (TC-22) |
| 67 | DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07) |

| STANDARD NO | DESCRIPTION |
|-------------|---|
| 424001-10 | PERPENDICULAR CURB RAMPS |
| 424006-03 | DIAGONAL CURB RAMPS |
| 424031-01 | MEDIAN PEDESTRIAN CROSSING |
| 442201-03 | CLASS C AND D PATCHES |
| 630301-08 | SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701011-04 | OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY |
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY |
| 701426-09 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701502-08 | URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN |
| 701606-10 | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-07 | TRAFFIC CONTROL DEVICES |

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF WHEATON.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 40 MPH (80KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND REVISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT 847-741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- SIDEWALK REMOVAL AND PCC SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.
- OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL."
- THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION SHALL MATCH THE HEIGHT OF THE EXISTING GUARDRAIL.
- CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 A MINIMUM OF 2 WEEKS PRIOR TO THE START OF FORESTRY WORK FOR LAYOUT ASSISTANCE.

COMMITMENTS

WEEDING WORK SHALL BE DONE DURING THE SPRING OF 2019

| | | | | | | | | | | | |
|---|--------------------|------------|-----------|--------------------------|--|---------------------------|---------|--------|--------------|-----------|------|
| FILE NAME = | USER NAME = ldezma | DESIGNED - | REVISED - | STATE OF ILLINOIS | INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| p:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DIS9911\Drawings\Design\DIS9911-shr-plan.dgn | | CHECKED - | REVISED - | | | 365 | 57-RS-3 | DUPAGE | 67 | 2 | |
| PLOT SCALE = 100.0000' / 1in. | | DATE - | REVISED - | | | CONTRACT NO. 60P68 | | | | | |
| PLOT DATE = 1/11/2019 | | | | | | SHEET | OF | SHEETS | STA. | TO | STA. |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|-------|------------------------------|------------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | RESURF | SIGNALS | | | |
| | | | | 80% FED 20% STATE 0005 | 80% FED 10% STATE 10% COUNTY 0021 | | | |
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 450 | 450 | | | | |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 125 | 125 | | | | |
| 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER) | EACH | 15 | 15 | | | | |
| 20101400 | NITROGEN FERTILIZER NUTRIENT | POUND | 2 | 2 | | | | |
| 20101600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 2 | 2 | | | | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 19 | 19 | | | | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 125 | 125 | | | | |
| 21101505 | TOPSOIL EXCAVATION AND PLACEMENT | CU YD | 18 | 18 | | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SO YD | 705 | 705 | | | | |
| 21400100 | GRADING AND SHAPING DITCHES | FOOT | 200 | 200 | | | | |
| 25000210 | SEEDING, CLASS 2A | ACRE | 0.03 | 0.03 | | | | |
| 25000750 | MOWING | ACRE | 6 | 6 | | | | |
| 25003210 | INTERSEEDING, CLASS 2A | ACRE | 2 | 2 | | | | |
| 25100630 | EROSION CONTROL BLANKET | SO YD | 106 | 106 | | | | |
| 25200110 | SODDING, SALT TOLERANT | SO YD | 387 | 387 | | | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|-------|------------------------------|------------------------------|--|--|--|--|
| CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | RESURF | SIGNALS | | | |
| | | | | 80% FED 20% STATE 0005 | 80% FED 10% STATE 10% COUNTY 0021 | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 62649 | 62649 | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 140 | 140 | | | | |
| 40600827 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50 | TON | 3849 | 3849 | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SO YD | 482 | 482 | | | | |
| 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 | TON | 2935 | 2935 | | | | |
| 40603340 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | TON | 3172 | 3172 | | | | |
| 42001300 | PROTECTIVE COAT | SO YD | 1242 | 1242 | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SO FT | 1725 | 1725 | | | | |
| 42400800 | DETECTABLE WARNINGS | SO FT | 250 | 250 | | | | |
| 44000159 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | SO YD | 92813 | 92813 | | | | |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SO YD | 387 | 387 | | | | |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 960 | 960 | | | | |


* SPECIALTY ITEM
 △ NON-PARTICIPATING ITEM

| | | | | | | | | | | | |
|--|--|------------|-----------|---|--|---|---------|--------|-----------------|--------------|--|
| FILE NAME = | USER NAME = ledexnorm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL RTE 56 (FROM NAPERVILLE RD TO IL-53) SUMMARY OF QUANTITIES | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\NLOBAEBIDINTEG\Illinois.gov\FWIDOT\Documents\DOT | Offices\District\NProjects\DI599\NCAD\Ord\Design\DI599 | CHECKED - | REVISED - | | | 365 | 57-RS-3 | DUPAGE | 67 | 3 | |
| | PLOT SCALE = 100,000' / 1" = | DATE - | REVISED - | | | CONTRACT NO. 60P68 | | | | | |
| | PLOT DATE = 12/12/2018 | | | | | SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | * | SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|-------|------------------------|-------------------------------|---|--|--|--|---|-----------------------|---|--------|------------------------|------------------------|-------------------------------|---|--|--|
| CODE NO | ITEM | UNIT | | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | | | CODE NO | ITEM | | UNIT | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | |
| 44000600 | SIDEWALK REMOVAL | SO FT | 1725 | 1725 | | | | | * | 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 355 | 355 | | | | |
| 44003100 | MEDIAN REMOVAL | SO FT | 2400 | 2400 | | | | | * | 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 5 | 5 | | | | |
| 44003510 | MEDIAN REMOVAL PARTIAL DEPTH | SO FT | 3058 | 3058 | | | | | * | 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | LSUM | 1 | 1 | | | | |
| 44201815 | CLASS D PATCHES, TYPE II, 14 INCH | SO YD | 325 | 325 | | | | | * | 66901002 | ON-SITE MONITORING OF REGULATED SUBSTANCES | CAL DA | 15 | 15 | | | | |
| 44201819 | CLASS D PATCHES, TYPE III, 14 INCH | SO YD | 234 | 234 | | | | | * | 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | LSUM | 1 | 1 | | | | |
| 44201821 | CLASS D PATCHES, TYPE IV, 14 INCH | SO YD | 1272 | 1272 | | | | | * | 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 9 | 9 | | | | |
| 48101620 | AGGREGATE SHOULDERS, TYPE B 10" | SO YD | 15 | 15 | | | | | | 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 636 | 636 | | | | | | 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | 1 | | | | |
| 60250200 | CATCH BASINS TO BE ADJUSTED | EACH | 8 | 8 | | | | | | 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | 1 | | | | |
| 60605000 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | FOOT | 283 | 283 | | | | | | 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | | | |
| 60608300 | COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 | FOOT | 5510 | 5510 | | | | | | 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | | |
| 60619600 | CONCRETE MEDIAN, TYPE SB-6.12 | SO FT | 2400 | 2400 | | | | | | 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 17424 | 17424 | | | | |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 1 | 1 | | | | | | | | | | | | | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 50 | 50 | | | | | | | | | | | | | | |

* SPECIALTY ITEM
 △ NON-PARTICIPATING ITEM

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | | |
|-----------------------|---------------------------------------|-------|------------------------|-------------------------------|---|--|--|--|-----------------------|------------|--|------------------------|------------------------|-------------------------------|---|--|--|--|--|
| CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | | CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SO FT | 6616 | 6616 | | | | | | * 78000100 | THERMOPLASTIC PAVEMENT MARKING | SO FT | 1175.5 | 1175.5 | | | | | |
| | | | | | | | | | | | - LETTERS AND SYMBOLS | | | | | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING | SO FT | 1175.5 | 1175.5 | | | | | | * 78000200 | THERMOPLASTIC PAVEMENT MARKING | FOOT | 42874 | 42874 | | | | | |
| | LETTERS AND SYMBOLS | | | | | | | | | | - LINE 4" 18 LF C&G R&R | | | | | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING | FOOT | 42874 | 42874 | | | | | | * 78000400 | THERMOPLASTIC PAVEMENT MARKING | FOOT | 6555 | 6555 | | | | | |
| | - LINE 4" | | | | | | | | | | - LINE 6" | | | | | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING | FOOT | 6555 | 6555 | | | | | | * 78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE | FOOT | 244 | 244 | | | | | |
| | - LINE 6" | | | | | | | | | | 8" | | | | | | | | |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8" | FOOT | 244 | 244 | | | | | | * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE | FOOT | 86 | 86 | | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 86 | 86 | | | | | | | 12" | | | | | | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING | FOOT | 890 | 890 | | | | | | * 78000650 | THERMOPLASTIC PAVEMENT MARKING | FOOT | 890 | 890 | | | | | |
| | - LINE 24" | | | | | | | | | | - LINE 24" | | | | | | | | |
| 70300520 | PAVEMENT MARKING TAPE, TYPE III 4" | FOOT | 3898 | 3898 | | | | | | * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 485 | 485 | | | | | |
| 70300540 | PAVEMENT MARKING TAPE, TYPE III 6" | FOOT | 354 | 354 | | | | | | 78300200 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 520 | 520 | | | | | |
| | | | | | | | | | | | REMOVAL | | | | | | | | |
| 70300550 | PAVEMENT MARKING TAPE, TYPE III 8" | FOOT | 23 | 23 | | | | | | * 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, | FOOT | 654 | | 654 | | | | |
| | | | | | | | | | | | 2" DIA. | | | | | | | | |
| 70300570 | PAVEMENT MARKING TAPE, TYPE III 24" | FOOT | 81 | 81 | | | | | | * 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, | FOOT | 207 | | 207 | | | | |
| | | | | | | | | | | | 3" DIA. | | | | | | | | |
| * 72000100 | SIGN PANEL - TYPE 1 | SO FT | 44 | | 44 | | | | | * 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, | FOOT | 740 | | 740 | | | | |
| | | | | | | | | | | | 4" DIA. | | | | | | | | |
| * 72000200 | SIGN PANEL - TYPE 2 | SO FT | 30 | | 30 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| * 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 1 | | 1 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

* SPECIALTY ITEM
 NON-PARTICIPATING ITEM

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|------|------------------------------|--|---|--|--|-----------------------|------------|--|------------------------------|---|----|--|--|--|--|
| CODE NO | ITEM | UNIT | | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | | RESURF 80% FED 20% STATE 0005 | | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | | |
| * 81400200 | HEAVY-DUTY HANDHOLE | EACH | 5 | 5 | | | | | * 87502310 | TRAFFIC SIGNAL POST, PAINTED STEEL 16 FT. | EACH | 5 | 5 | | | | |
| * 81400300 | DOUBLE HANDHOLE | EACH | 3 | 3 | | | | | * 87700150 | STEEL MAST ARM ASSEMBLY AND POLE, 22 FT. | EACH | 1 | 1 | | | | |
| * 86400100 | TRANSCEIVER - FIBER OPTIC | EACH | 1 | 1 | | | | | * 87700240 | STEEL MAST ARM ASSEMBLY AND POLE, 40 FT. | EACH | 1 | 1 | | | | |
| * 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1986 | 1986 | | | | | * 87700280 | STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. | EACH | 1 | 1 | | | | |
| * 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 3023 | 3023 | | | | | * 87700300 | STEEL MAST ARM ASSEMBLY AND POLE, 52 FT. | EACH | 1 | 1 | | | | |
| * 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 2689 | 2689 | | | | | * 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 32 | 32 | | | | |
| * 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 2267 | 2267 | | | | | * 87800150 | CONCRETE FOUNDATION, TYPE C | FOOT | 4 | 4 | | | | |
| * 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1126 | 1126 | | | | | * 87800400 | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 10 | 10 | | | | |
| * 87301805 | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 101 | 101 | | | | | * 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 41 | 41 | | | | |
| * 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 1241 | 1241 | | | | | * 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 7 | 7 | | | | |
| * 87502250 | TRAFFIC SIGNAL POST, PAINTED STEEL 10 FT. | EACH | 2 | 2 | | | | | * 88030050 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 4 | 4 | | | | |

* SPECIALTY ITEM
 △ NON-PARTICIPATING ITEM

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|------|------------------------|-------------------------------|---|--|--|-----------------------|------------|--|------------------------|---|-------|---|--|--|--|
| CODE NO | ITEM | UNIT | | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | | RESURF 80% FED 20% STATE 0005 | | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | | | |
| * 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 6 | 6 | | | | | K0029614 | WEED CONTROL, AQUATIC | GALLON | 5 | 5 | | | | |
| * 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 4 | 4 | | | | | K0029624 | WEED CONTROL, TEASEL | GALLON | 2.5 | 2.5 | | | | |
| * 88102717 | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 10 | 10 | | | | | X0320050 | CONSTRUCTION LAYOUT (SPECIAL) | L SUM | 1 | 1 | | | | |
| * 88200410 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 11 | 11 | | | | | * X1400081 | FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL) | EACH | 1 | | 1 | | | |
| * 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 4 | 4 | | | | | * X1400150 | SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 | | 1 | | | |
| * 88600100 | DETECTOR LOOP, TYPE I | FOOT | 312 | 312 | | | | | * X1400201 | RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR | EACH | 2 | | 2 | | | |
| * 88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 3892 | 3892 | | | | | X2020110 | GRADING AND SHAPING SHOULDERS | UNIT | 270 | 270 | | | | |
| * 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 9 | 9 | | | | | X2503318 | INTERSEEDING, CLASS 4B (MODIFIED) | ACRE | 2.3 | 2.3 | | | | |
| * 89000100 | TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 | 1 | | | | | X4060004 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80 | TON | 5923 | 5923 | | | | |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 | 1 | | | | | X4403800 | MEDIAN SURFACE REMOVAL | SO FT | 78592 | 78592 | | | | |
| 89502380 | REMOVE EXISTING HANDHOLE | EACH | 11 | 11 | | | | | X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 400 | 400 | | | | |
| 89502382 | REMOVE EXISTING DOUBLE HANDHOLE | EACH | 1 | 1 | | | | | X6030310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 14 | 14 | | | | |
| 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 9 | 9 | | | | | | | | | | | | | |

* SPECIALTY ITEM
 △ NON-PARTICIPATING ITEM

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|-------|------------------------|-------------------------------|---|--|--|--|
| CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | |
| X7030005 | TEMPORARY PAVEMENT MARKING REMOVAL | SO FT | 21252 | 21252 | | | | |
| X8140115 | HANDHOLE TO BE ADJUSTED | EACH | 9 | 9 | | | | |
| * X8620200 | UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 | | 1 | | | |
| Z0004562 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 200 | 200 | | | | |
| Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 14 | 14 | | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SO FT | 282.7 | 282.7 | | | | |
| Z0064800 | SELECTIVE CLEARING | UNIT | 75 | 75 | | | | |
| * Z0073510 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 | | 1 | | | |
| X2503324 | INTERSEEDING, CLASS 5B (MODIFIED) | ACRE | 2.3 | 2.3 | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 349 | 349 | | | | |
| 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SQ YD | 535 | 535 | | | | |
| 35501326 | HOT-MIX ASPHALT BASE COURSE, 10 1/2" | SQ YD | 378 | 378 | | | | |
| 35600718 | HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2" | SQ YD | 111 | 111 | | | | |
| 44003100 | MEDIAN REMOVAL | SQ FT | 4813 | 4813 | | | | |
| 550A0380 | STORM SEWERS, CLASS A, TYPE 2 18" | FOOT | 6 | 6 | | | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|------|------------------------|-------------------------------|---|--|--|--|
| CODE NO | ITEM | UNIT | URBAN TOTAL QUANTITIES | RESURF 80% FED 20% STATE 0005 | SIGNALS 80% FED 10% STATE 10% COUNTY 0021 | | | |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 25 | 25 | | | | |
| 55100900 | STORM SEWER REMOVAL 18" | FOOT | 6 | 6 | | | | |
| 60200105 | CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID | EACH | 1 | 1 | | | | |
| 60234200 | INLETS, TYPE A, TYPE 1 FRAME, OPEN LID | EACH | 2 | 2 | | | | |
| 60255800 | MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | | | | |
| 60500060 | REMOVING INLETS | EACH | 2 | 2 | | | | |
| Ø Z0076600 | TRAINEES | hour | 500 | 500 | | | | |
| Ø Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | hour | 500 | 500 | | | | |

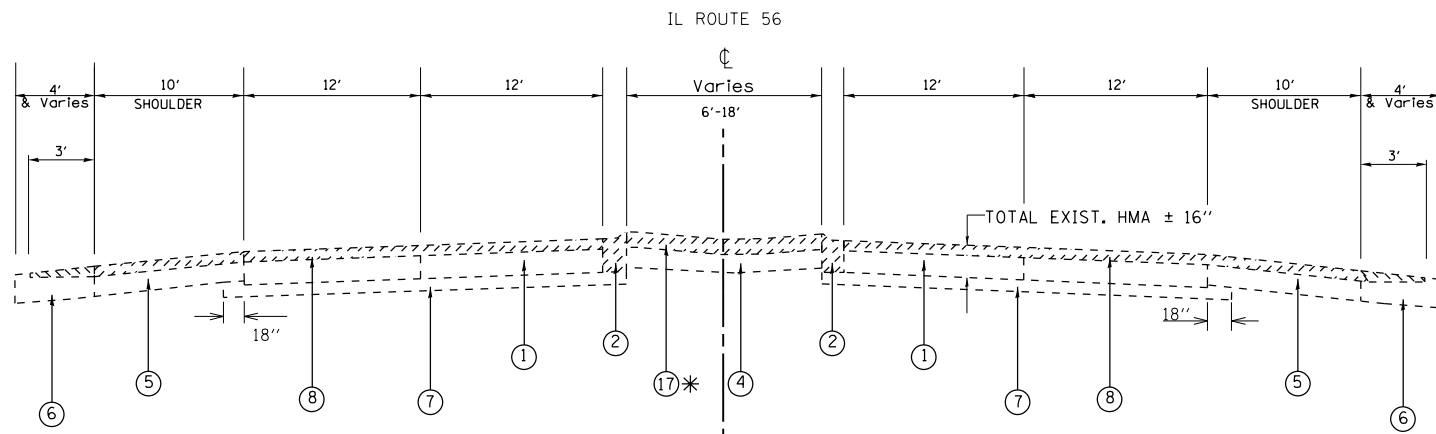
* SPECIALTY ITEM
 △ NON-PARTICIPATING ITEM

| | | | |
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| | PLOT SCALE = 100,0000' / 1in | CHECKED - | REVISED - |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

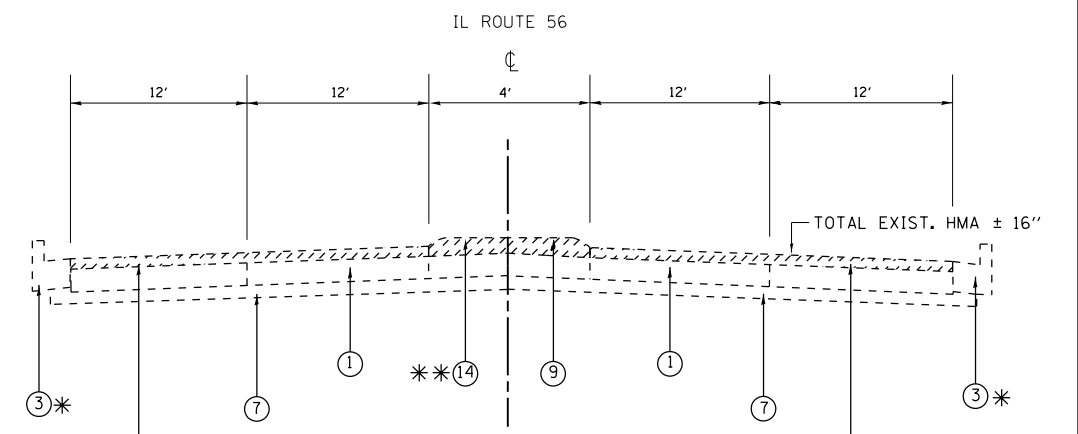
IL RTE 56 (FROM NAPERVILLE RD TO IL-53)
 SUMMARY OF QUANTITIES
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---|---------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-R5-3 | | 67 | 8 |
| CONTRACT NO. 60P68 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



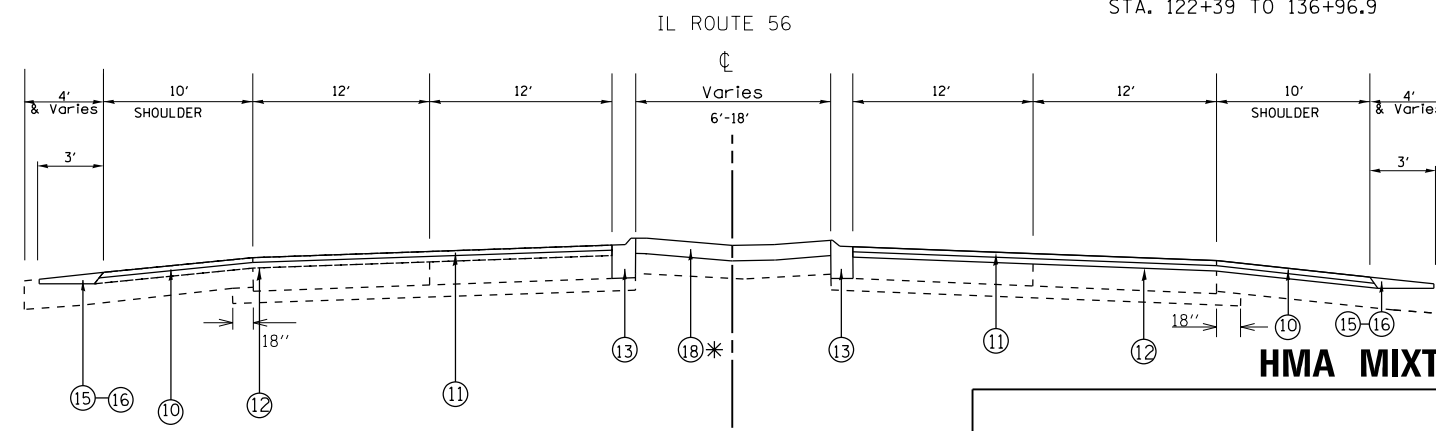
EXISTING TYPICAL SECTION

STA. 32+62.3 TO 136+96.9 * STA. 40+34.8 TO 46+93.3 STA. 74+21.7 TO 91+13
 STA. 48+18.1 TO 54+07 STA. 92+69 TO 106+34
 STA. 65+65 TO 72+73.3 STA. 107+48.4 TO 117+44
 STA. 122+39 TO 136+96.9



EXISTING TYPICAL SECTION

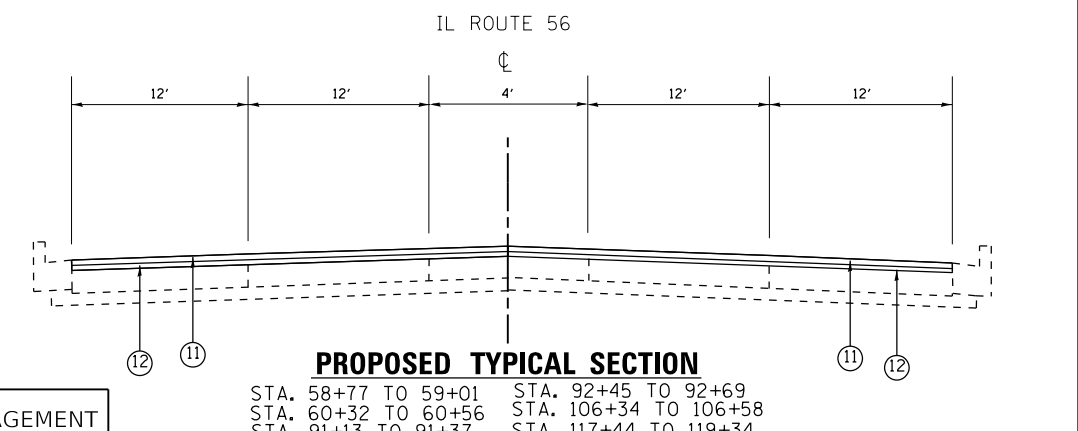
*EB: STA. 120+49.4 TO 123+06.4, TYPE B-6.12 * STA. 58+77 TO 59+01 STA. 106+34 TO 106+58
 WB: STA. 33+51.3 TO 35+15.7, TYPE B-6.12 STA. 60+32 TO 60+56 STA. 117+44 TO 119+34
 STA. 40+34.8 TO 42+69.4, TYPE B-6.12 STA. 91+13 TO 91+37 STA. 120+49 TO 122+39
 STA. 48+18.1 TO 49+28.1, TYPE B-6.12 STA. 92+45 TO 92+69



PROPOSED TYPICAL SECTION

STA. 32+62.3 TO 136+96.9

* STA. 40+34.8 TO 46+93.3
 STA. 48+18.1 TO 54+07
 STA. 65+65 TO 72+73.3
 STA. 74+21.7 TO 91+13
 STA. 92+69 TO 106+34
 STA. 107+48.4 TO 117+44
 STA. 122+39 TO 136+96.9



PROPOSED TYPICAL SECTION

STA. 58+77 TO 59+01 STA. 92+45 TO 92+69
 STA. 60+32 TO 60+56 STA. 106+34 TO 106+58
 STA. 91+13 TO 91+37 STA. 117+44 TO 119+34
 STA. 120+49 TO 122+39

HMA MIXTURE REQUIREMENTS

| MIXTURE TYPE | AIR VOIDS @ NDES | QUALITY MANAGEMENT PROGRAM (QMP) |
|--|------------------|----------------------------------|
| PAVEMENT RESURFACING | | |
| POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80 | 3.5% @ 80 GYR | QCP |
| POLYMERIZED LEVELING BINDER, (MM), IL 4.75, N50 | 3.5% @ 50 GYR | QCP |
| PAVEMENT SHOULDERS | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) | 4% @ 70 GYR | QCP |
| PAVEMENT MEDIANS | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) | 4% @ 50 GYR | QCP |
| PAVEMENT WIDENING AT PARK AVENUE INTERSECTION | | |
| POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80 | 3.5% @ 80 GYR | QCP |
| POLYMERIZED LEVELING BINDER, (MM), IL 4.75, N50 | 3.5% @ 50 GYR | QCP |
| HMA BASE COURSE WIDENING (HMA BINDER COURSE, IL-19.0), 10½" FOR WIDTHS LESS THAN 6' | 4% @ 70 GYR | QCP |
| HMA BASE COURSE (HMA BINDER COURSE, IL-19.0), 10½" FOR WIDTHS GREATER THAN 6' | 4% @ 70 GYR | QCP |
| PAVEMENT PATCHING | | |
| CLASS D PATCHES (HMA BINDER IL-19mm) | 4% @ 70 GYR | QC/QA |
| QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP) | | |

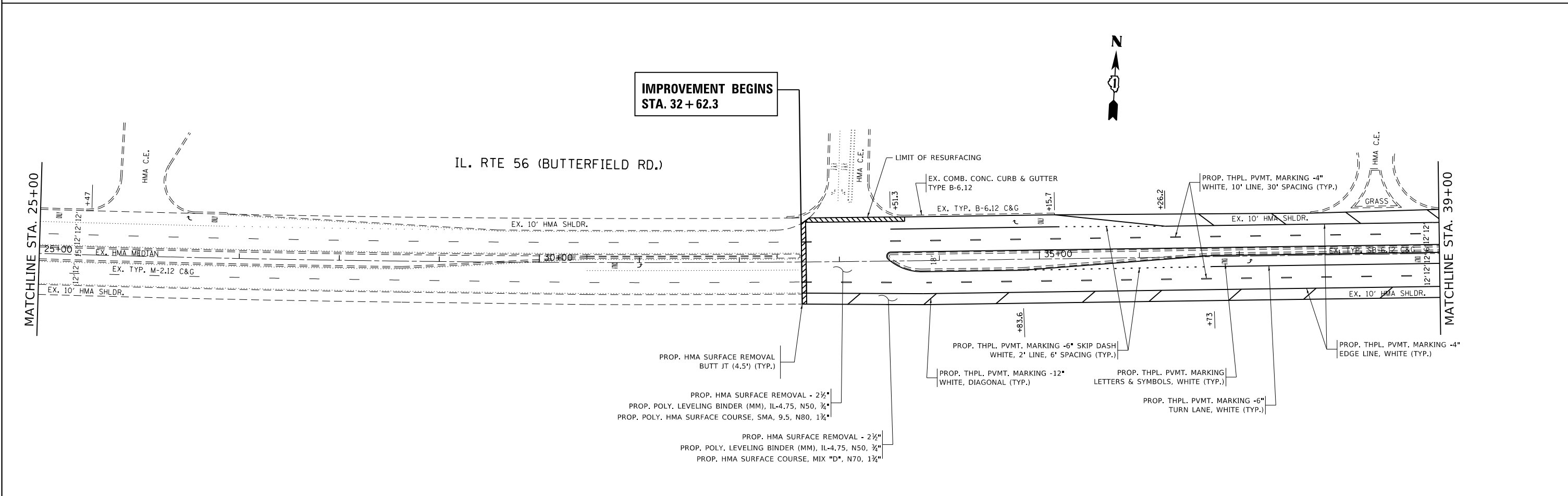
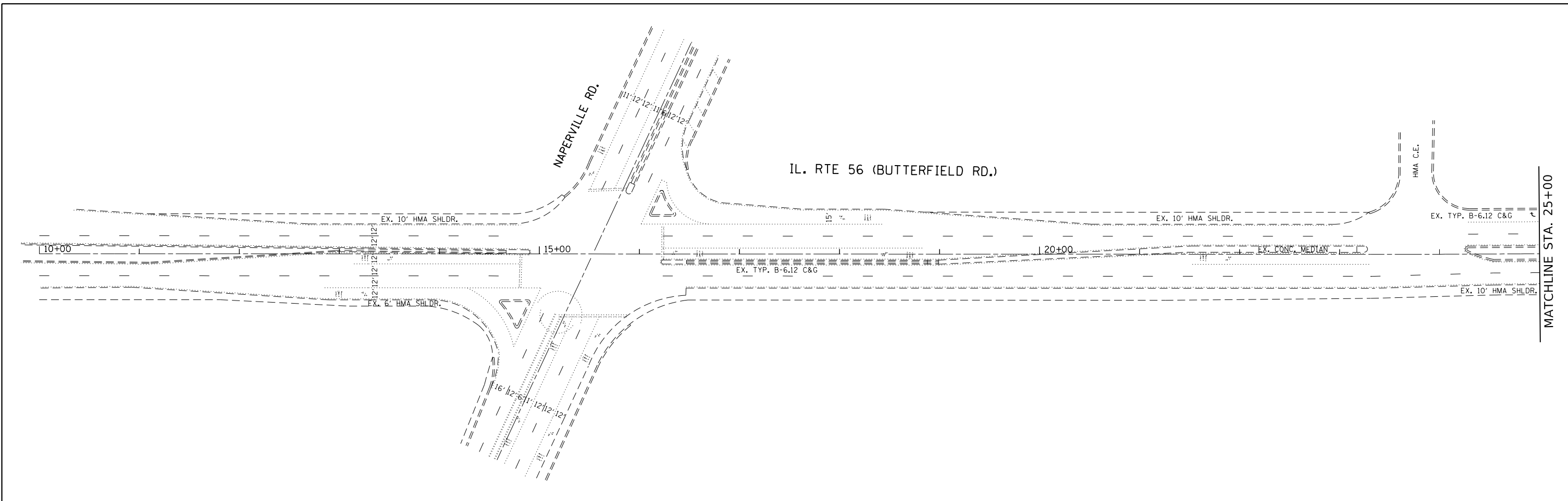
LEGEND

- ① EXISTING REMAINING HMA AFTER MILLING ± 13.5"
- ② EXISTING COMB. CURB AND GUTTER, TYPE M-2.12
- ③ EXISTING CURB COMB. CURB AND GUTTER, TYPE B
- ④ EXISTING MEDIAN
- ⑤ EXISTING HMA SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑧ PROPOSED HMA SURFACE REMOVAL, 2½"
- ⑨ EXISTING CORRUGATED MEDIAN
- ⑩ PROPOSED HMA SURFACE COURSE MIX "D", N70, 1¾"
- ⑪ PROPOSED POLY. HMA SURFACE COURSE, SMA, 9.5, N80, 1¾"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑬ PROPOSED COMB. CURB AND GUTTER, TYPE M-2.12
- ⑭ PROPOSED MEDIAN REMOVAL, PARTIAL DEPTH
- ⑮ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑰ PROPOSED MEDIAN SURFACE REMOVAL, 6"
- ⑱ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 6"

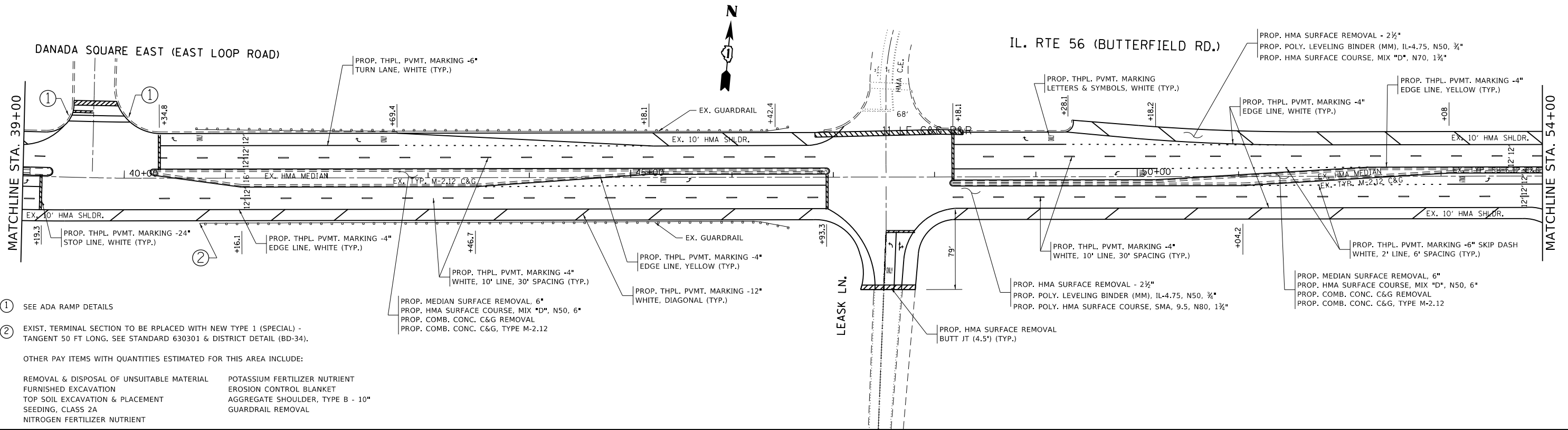
NOTE:
CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



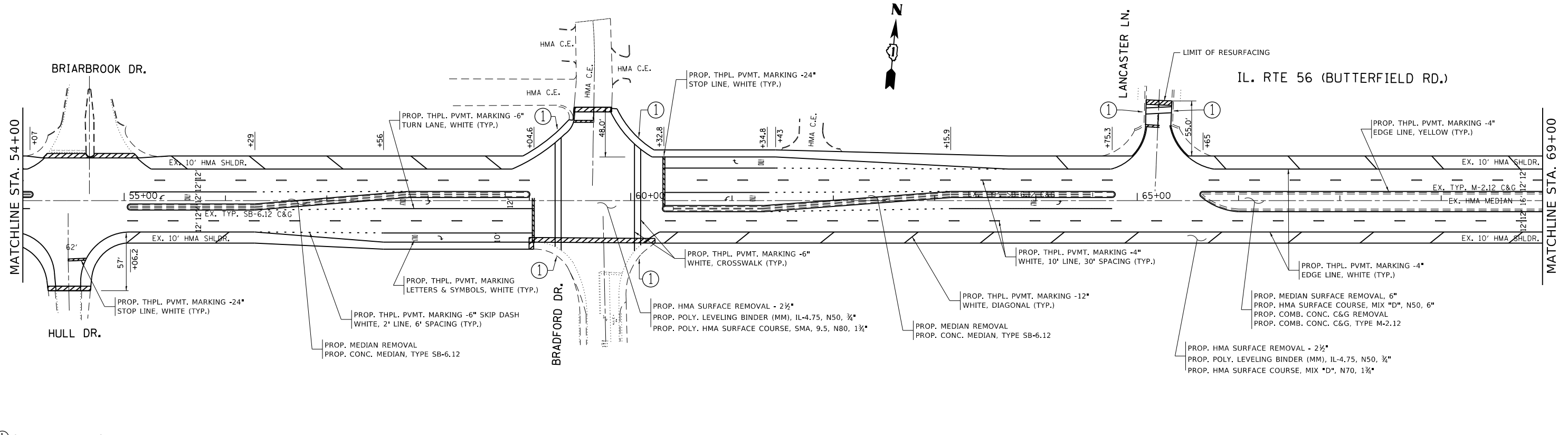
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|---|------------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL RTE 56 (NAPERVILLE RD TO IL RTE 53) ROADWAY AND PAVEMENT MARKING PLAN | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI5991\Drawings\Design\DI59911-shr-plan.dgn | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | | | 365 | 57-RS-3 | DUPAGE | 67 | 10 |
| PLOT DATE = 12/12/2018 | DATE - | REVISED - | REVISED - | | | CONTRACT NO. 60P68 | | | | |
| | | | | | | ILLINOIS FED. AID PROJECT | | | | |



- ① SEE ADA RAMP DETAILS
- ② EXIST. TERMINAL SECTION TO BE REPLACED WITH NEW TYPE 1 (SPECIAL) - TANGENT 50 FT LONG. SEE STANDARD 630301 & DISTRICT DETAIL (BD-34).

OTHER PAY ITEMS WITH QUANTITIES ESTIMATED FOR THIS AREA INCLUDE:

| | |
|---|----------------------------------|
| REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL | POTASSIUM FERTILIZER NUTRIENT |
| FURNISHED EXCAVATION | EROSION CONTROL BLANKET |
| TOP SOIL EXCAVATION & PLACEMENT | AGGREGATE SHOULDER, TYPE B - 10" |
| SEEDING, CLASS 2A | GUARDRAIL REMOVAL |
| NITROGEN FERTILIZER NUTRIENT | |



- ① SEE ADA RAMP DETAILS

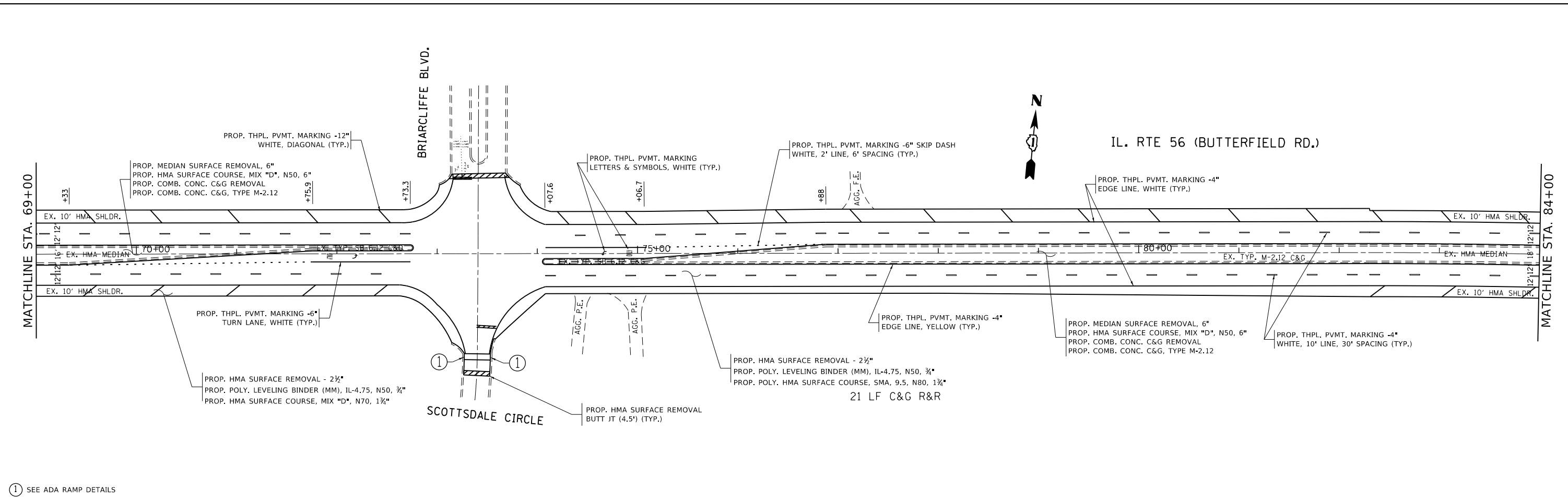
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| | | DATE - | REVISED - |
| | | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

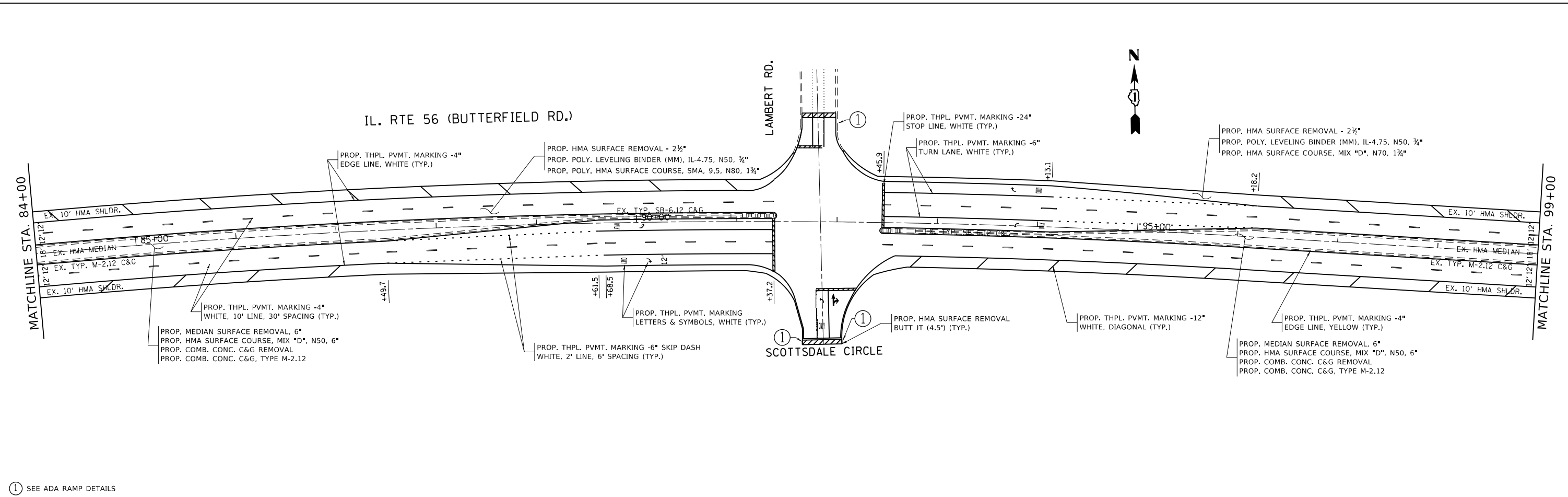
**IL RTE 56 (NAPERVILLE RD TO IL RTE 53)
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 2 OF 5 SHEETS STA. 39+00 TO STA. 69+00

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 11 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

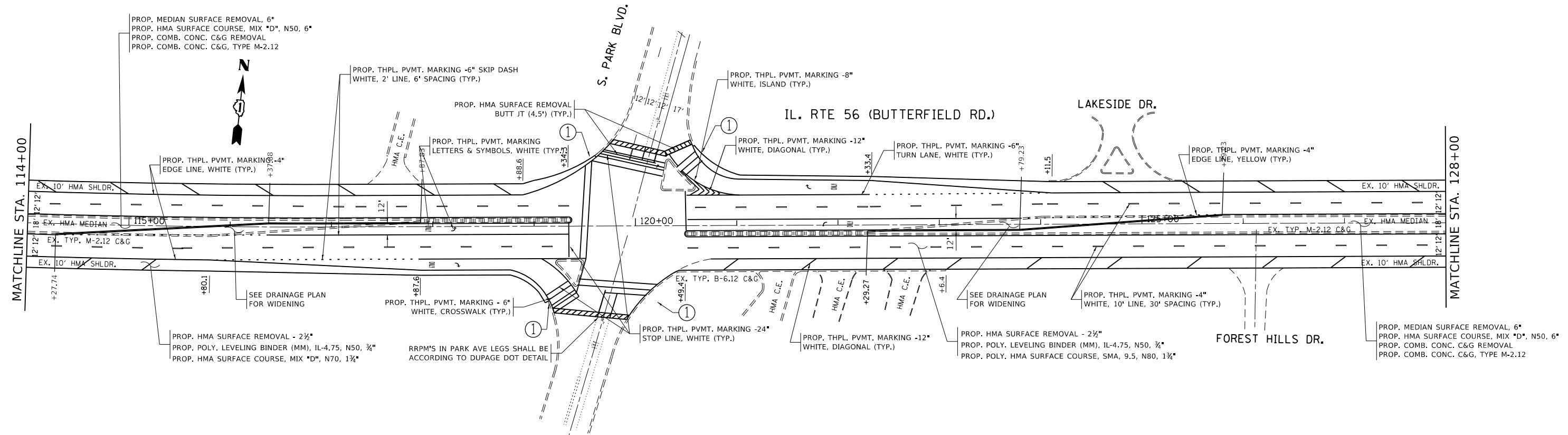
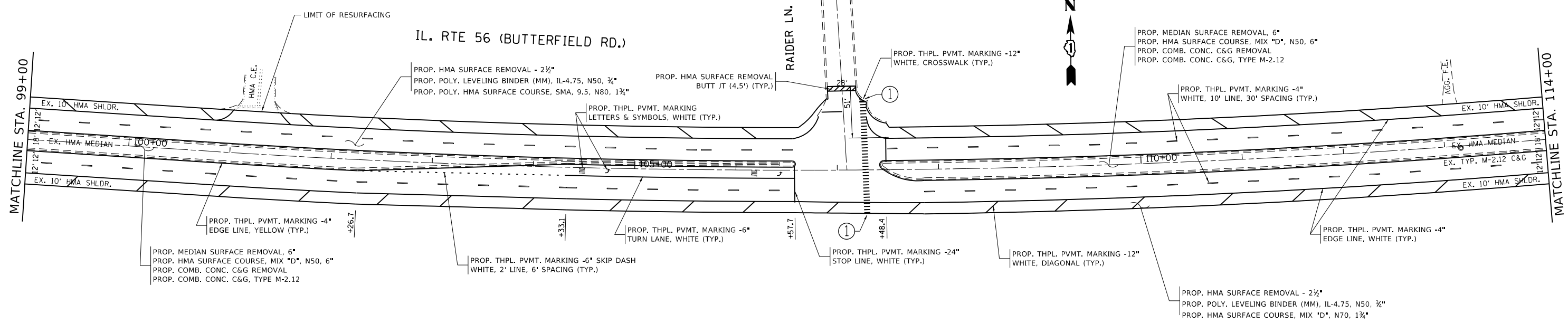


① SEE ADA RAMP DETAILS

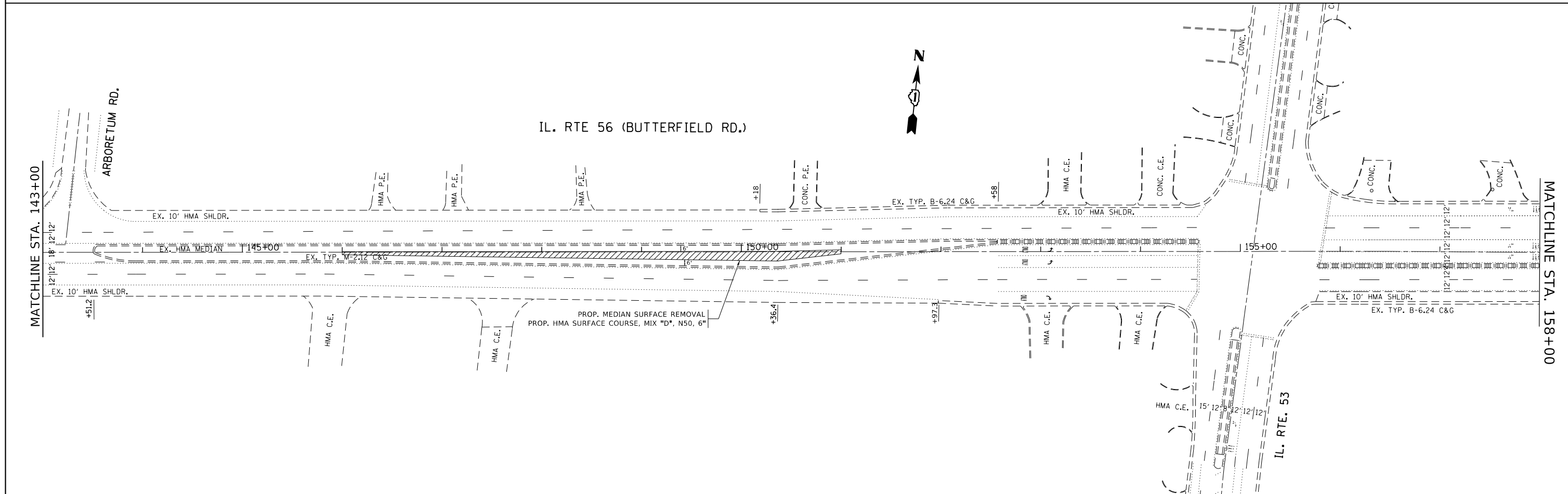
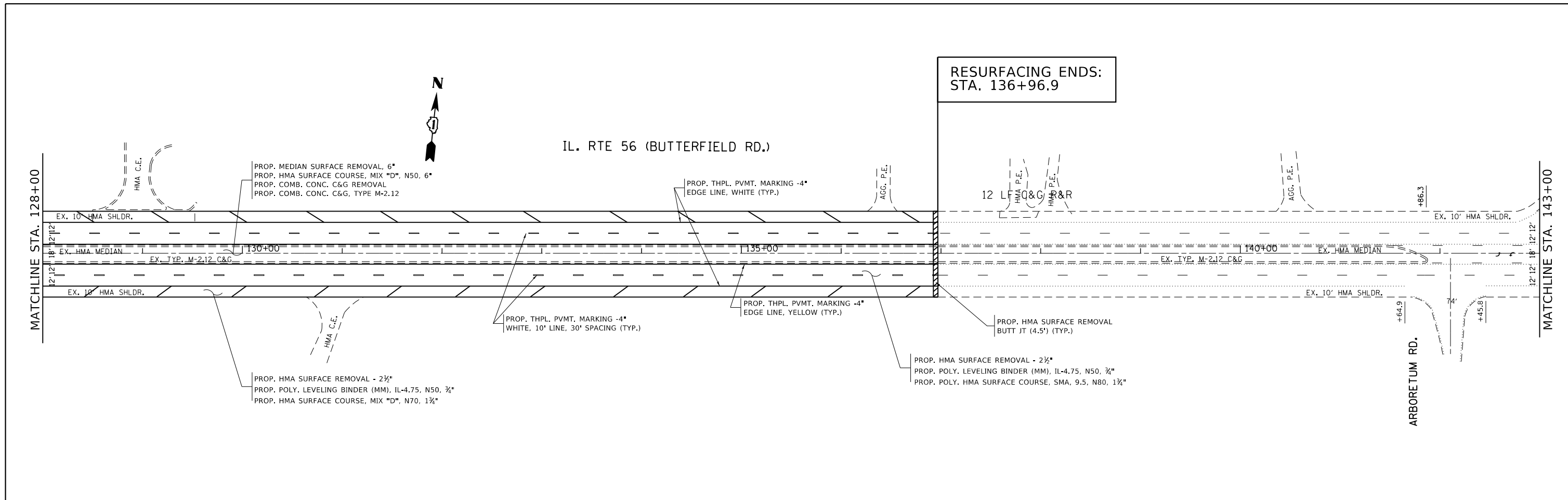


① SEE ADA RAMP DETAILS

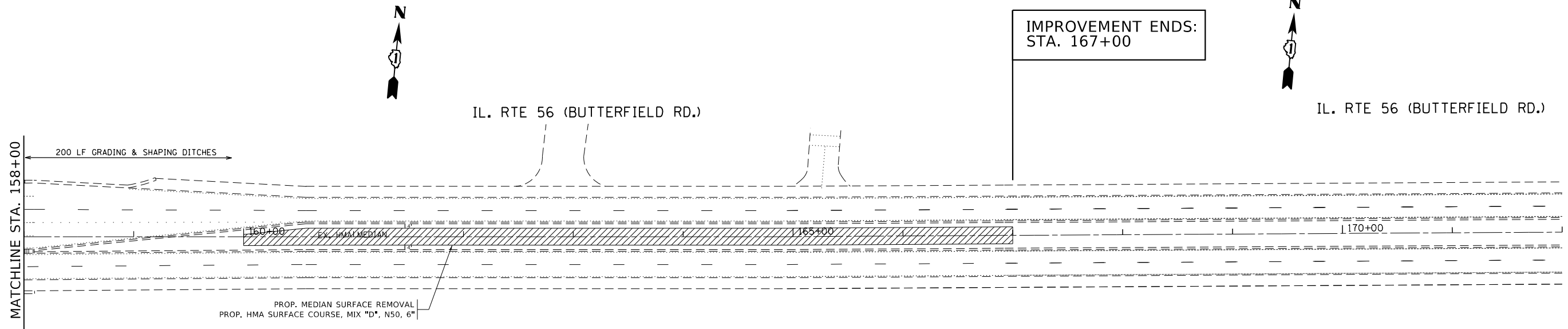
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|--|----------------------|------------|-----------|---|---|-------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = ldezmarm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL RTE 56 (NAPERVILLE RD TO IL RTE 53) ROADWAY AND PAVEMENT MARKING PLAN | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\IL\084EBID\INTEG.illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\DI5991\Drawings\Design\DI59911-shr-plan.dgn | | CHECKED - | REVISED - | | | 365 | 57-RS-3 | DUPAGE | 67 | 12 |
| PLOT SCALE = 100.0000' / 1\"/> | | | | | | | | | | |



| | | | | | | | | | | |
|--|----------------------|------------|-----------|---|---|---------------------------|---------|---------------------------|--------------|-----------|
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| p:\IL\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI599\Drawings\Design\DI59911-sh1-plan.dgn | | REVISIONS | | | | 365 | 57-RS-3 | DUPAGE | 67 | 13 |
| PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - | | | | CONTRACT NO. 60P68 | | | | |
| PLOT DATE = 1/11/2019 | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | |
| | | | | | SCALE: | SHEET NO. 4 OF 5 SHEETS | | STA. 99+00 TO STA. 128+00 | | |



| | | | | | | | | | | |
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| PLOT DATE = 12/12/2018 | DATE - | REVISED - | REVISED - | | | CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |
| | | | | | | SCALE: | SHEET NO. 5 OF 5 SHEETS | STA. 128+00 TO STA. 136+96.7 | | |



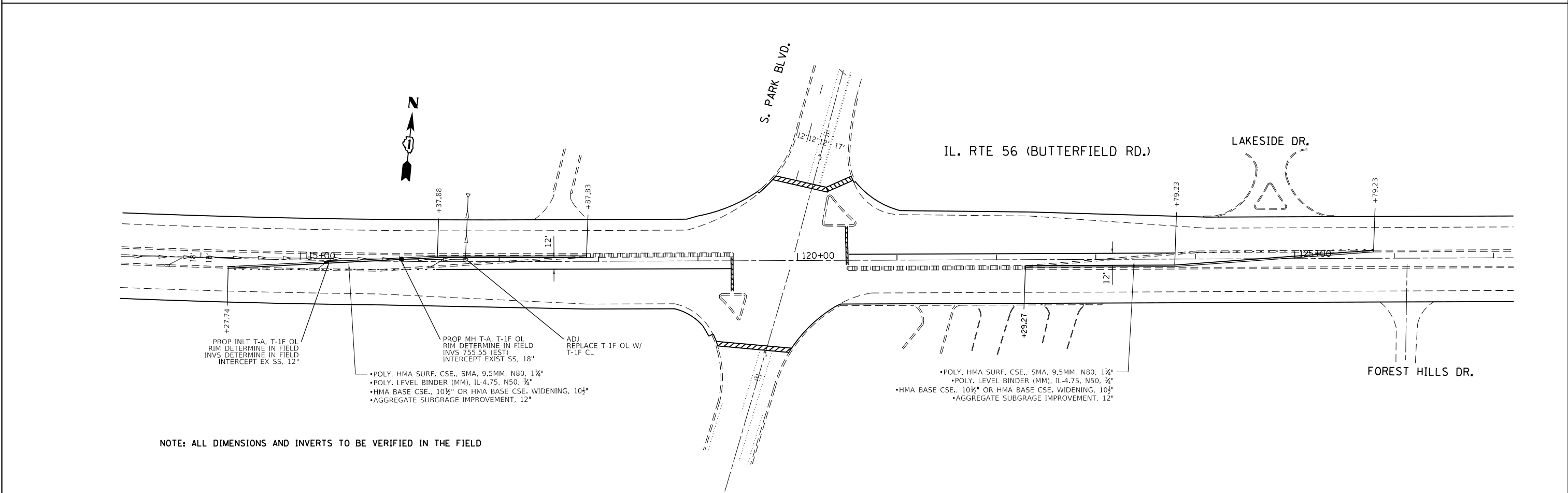
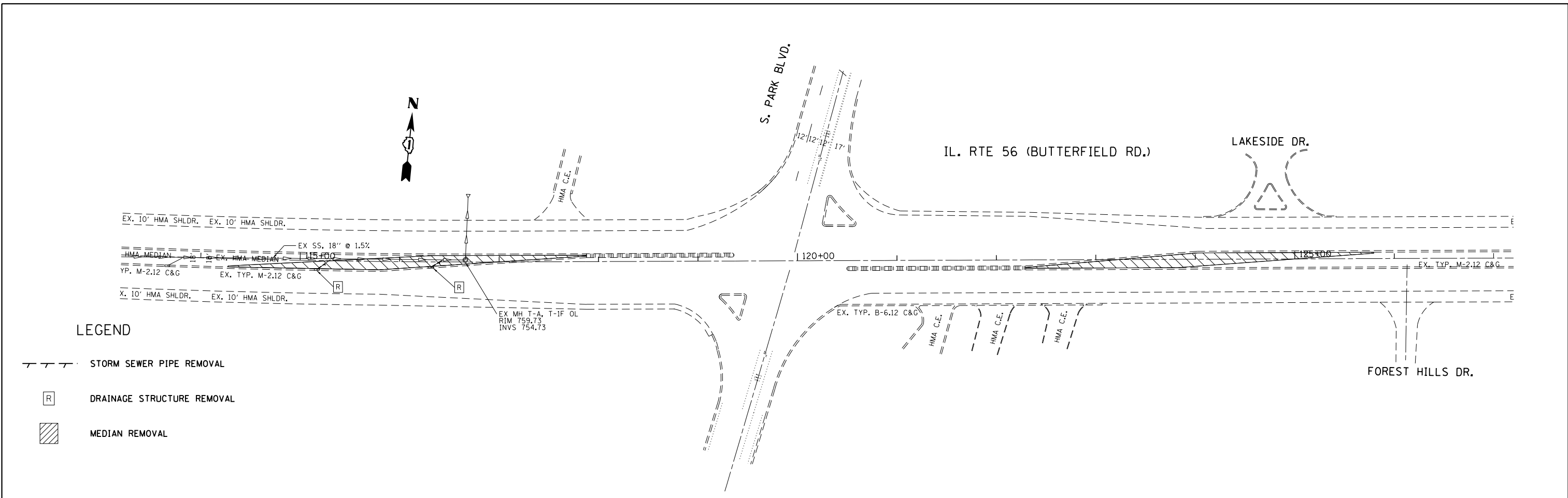
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| | PLOT SCALE = 100.0000' / 1in. | DATE - | REVISED - |
| | PLOT DATE = 12/12/2018 | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

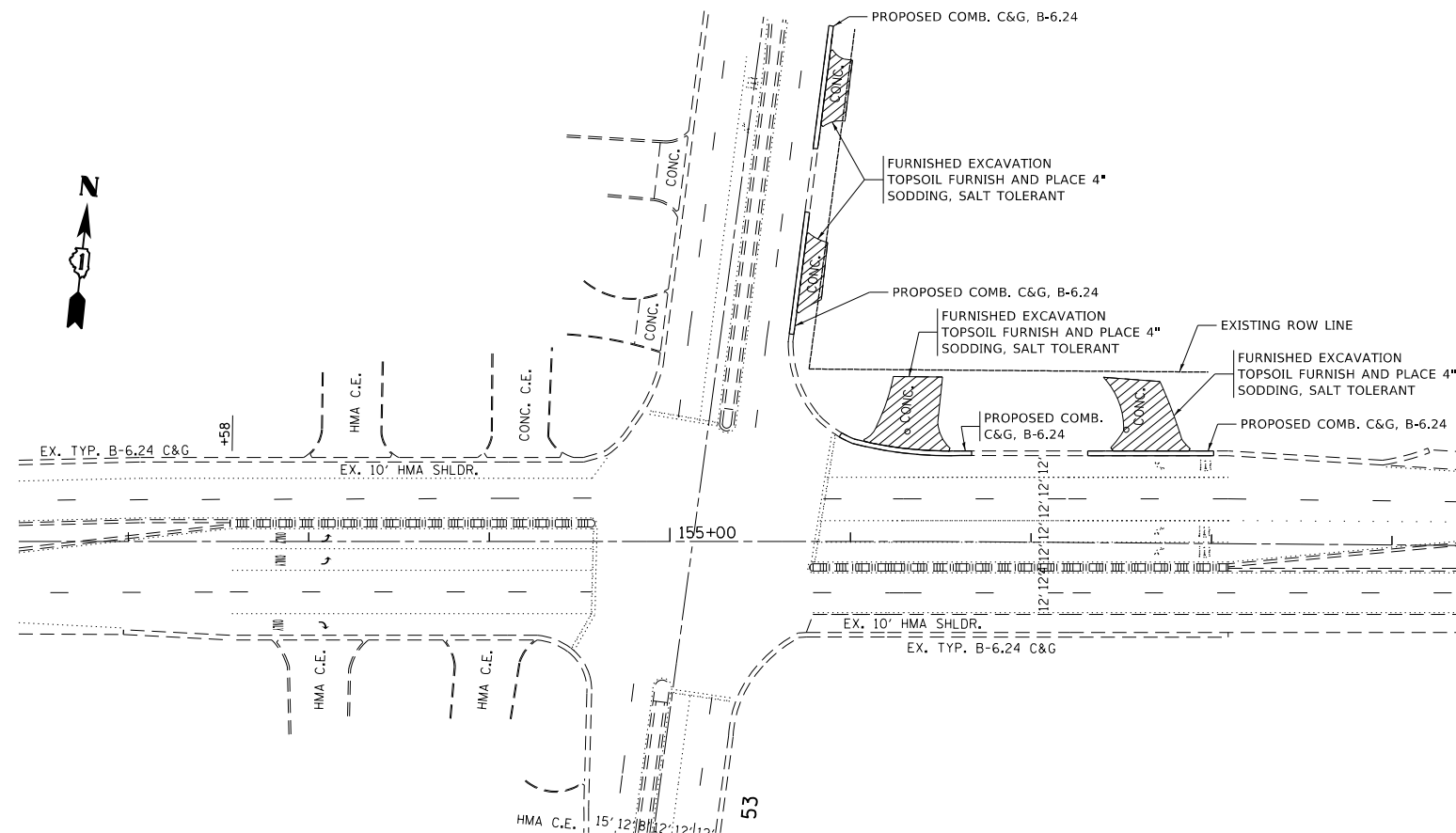
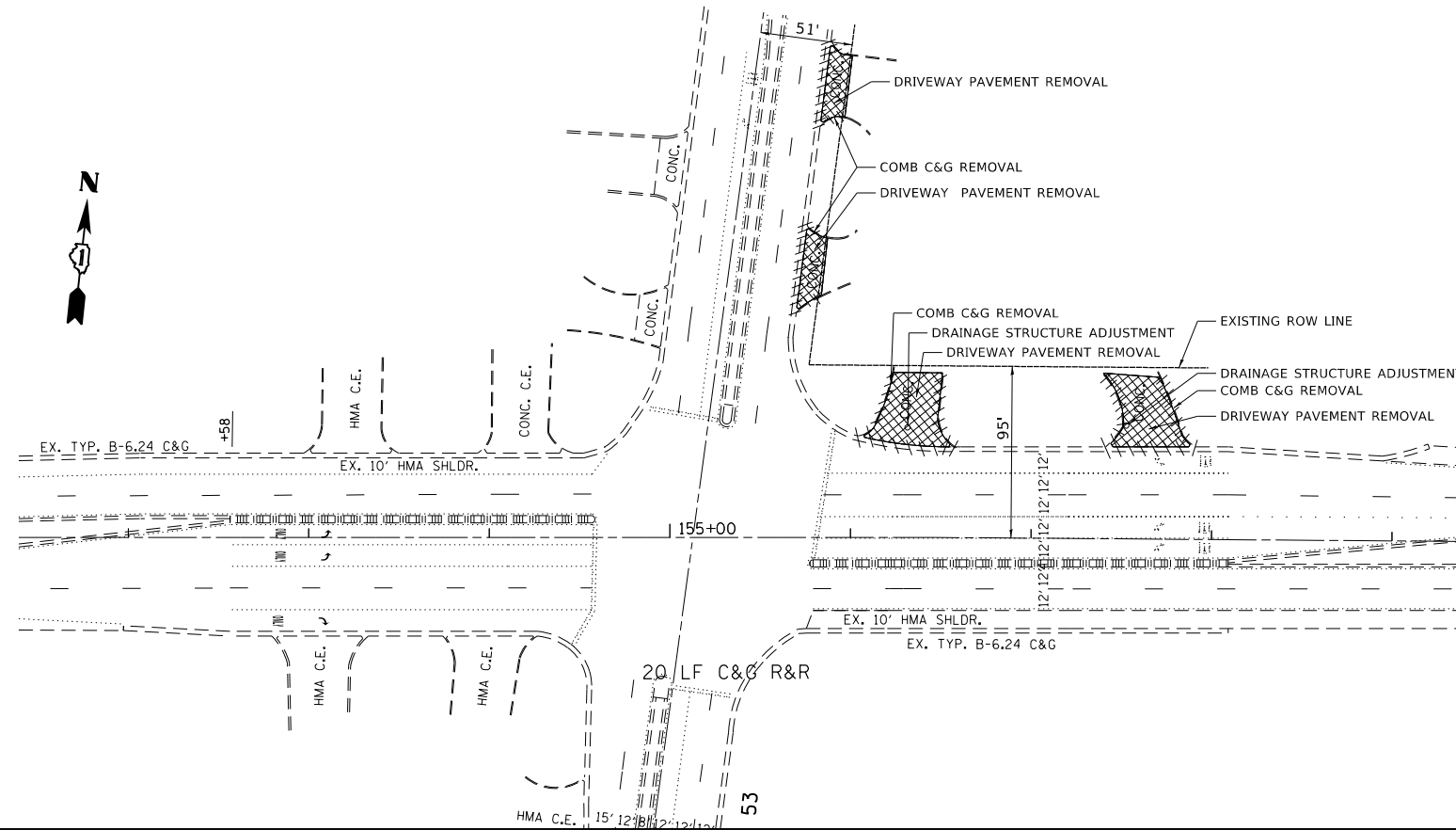
**IL RTE 56 (NAPERVILLE RD TO IL RTE 53)
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 128+00 TO STA. 136+96.7

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 15 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | | | | | | | | |
|---|-----------------------------|------------|-----------|---|--|--------------------|-------------------------|---------------------------|---------------------------|-----------|
| FILE NAME = | USER NAME = ldezma | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL RTE 56 (NAPERVILLE RD TO IL RTE 53) DRAINAGE AND HMA WIDENING PLAN | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\IL\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DIS\DR\Drawings\Design\DI59911-shr-plan.dgn | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - | | | 365 | 57-RS-3 | DUPAGE | 67 | 15A |
| PLOT DATE = 1/14/2019 | DATE - | REVISED - | REVISED - | | | CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |
| | | | | | | SCALE: | SHEET NO. 4 OF 5 SHEETS | STA. 99+00 TO STA. 128+00 | | |



| | | | |
|---|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
| p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI5991\Drawings\Design\DI59911-shr-plan.dgn | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

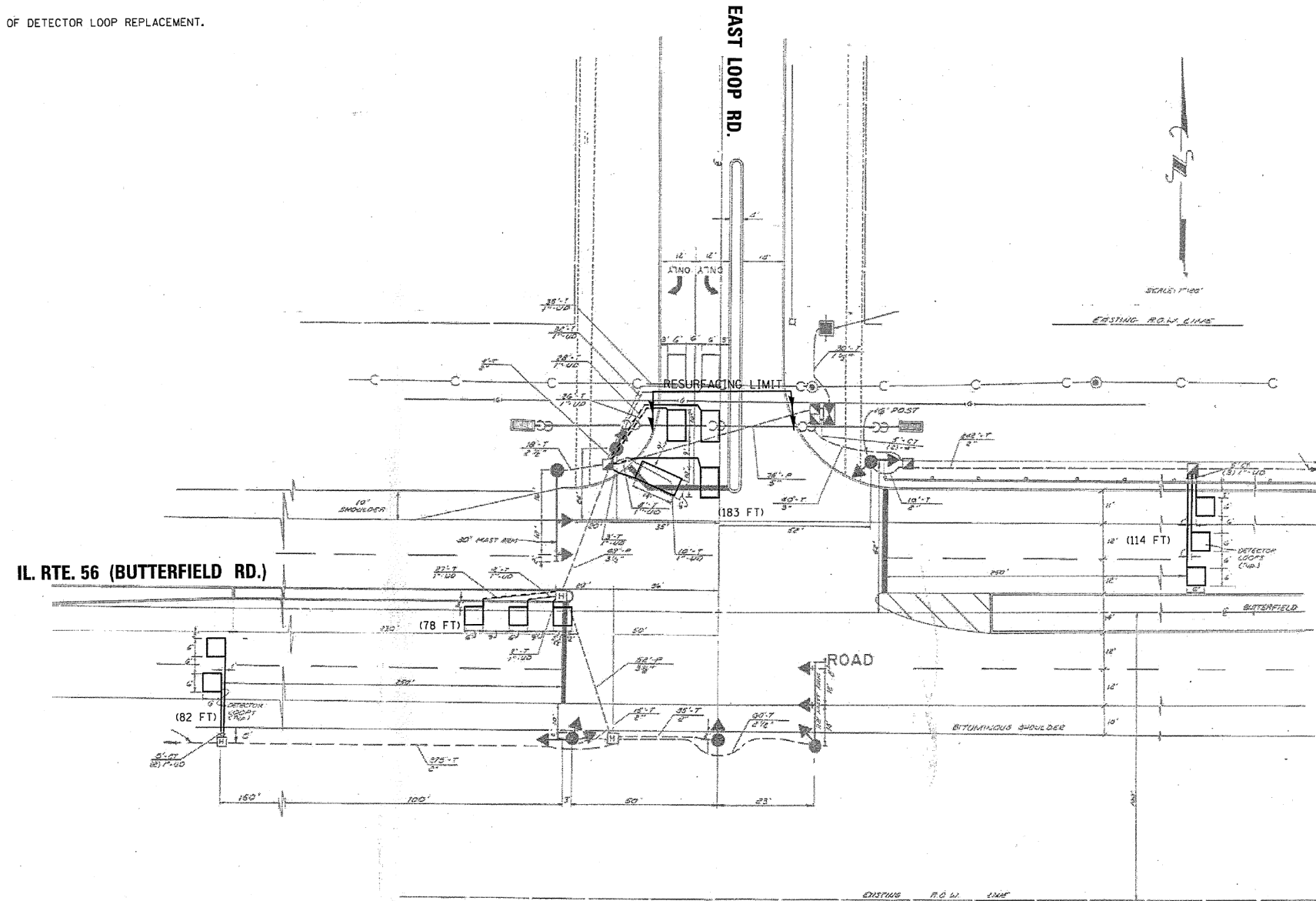
**IL RTE 56 (NAPERVILLE RD TO IL RTE 53)
DRIVEWAY REMOVAL PLAN**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 128+00 TO STA. 136+96.7

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 16 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

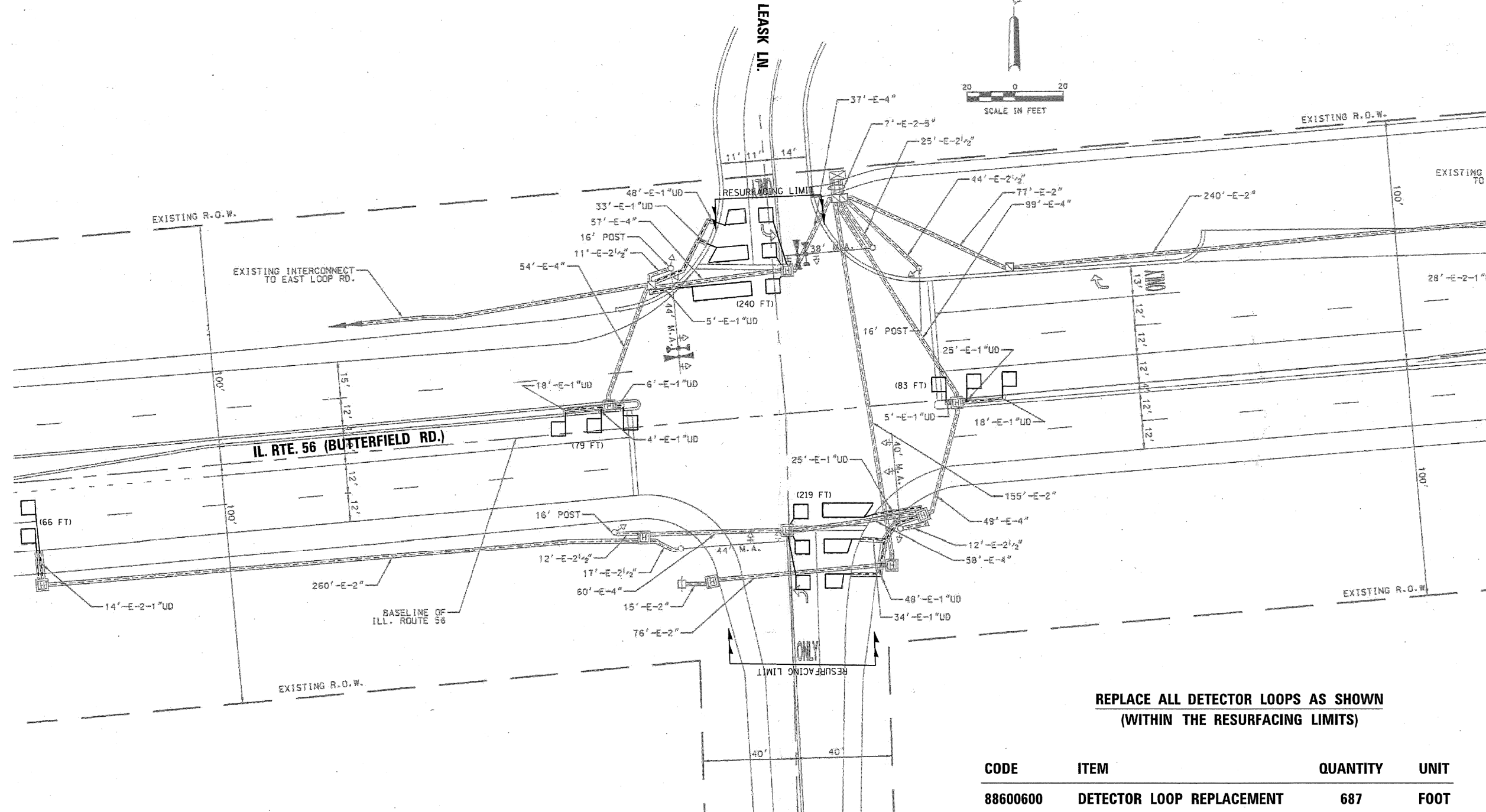


**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 457 | FOOT |

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

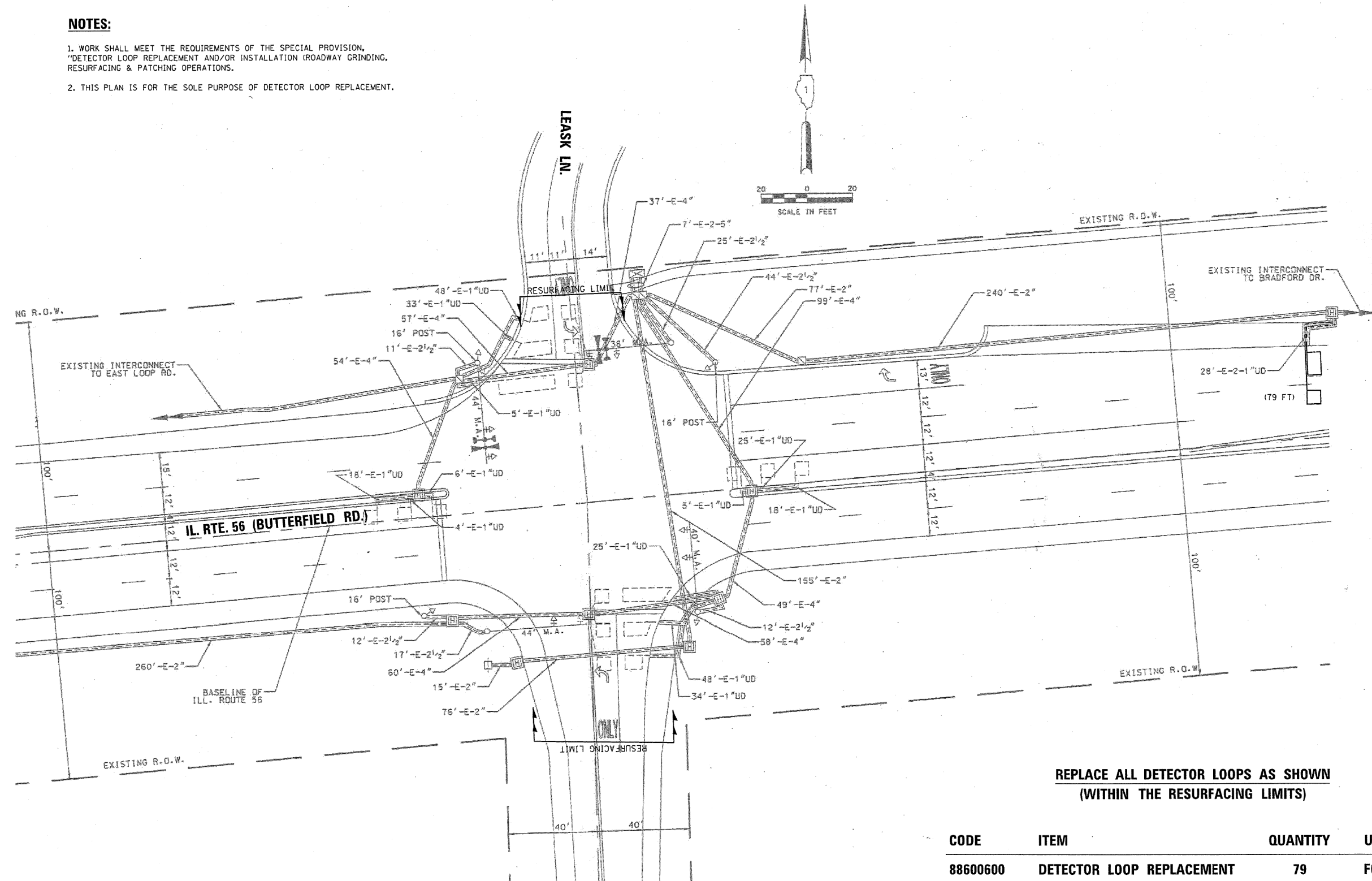


**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 687 | FOOT |

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 79 | FOOT |

| | | | |
|--|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledznmrm | DESIGNED - | REVISED - |
| pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI59911\Drawings\Design\DI59911-shr-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

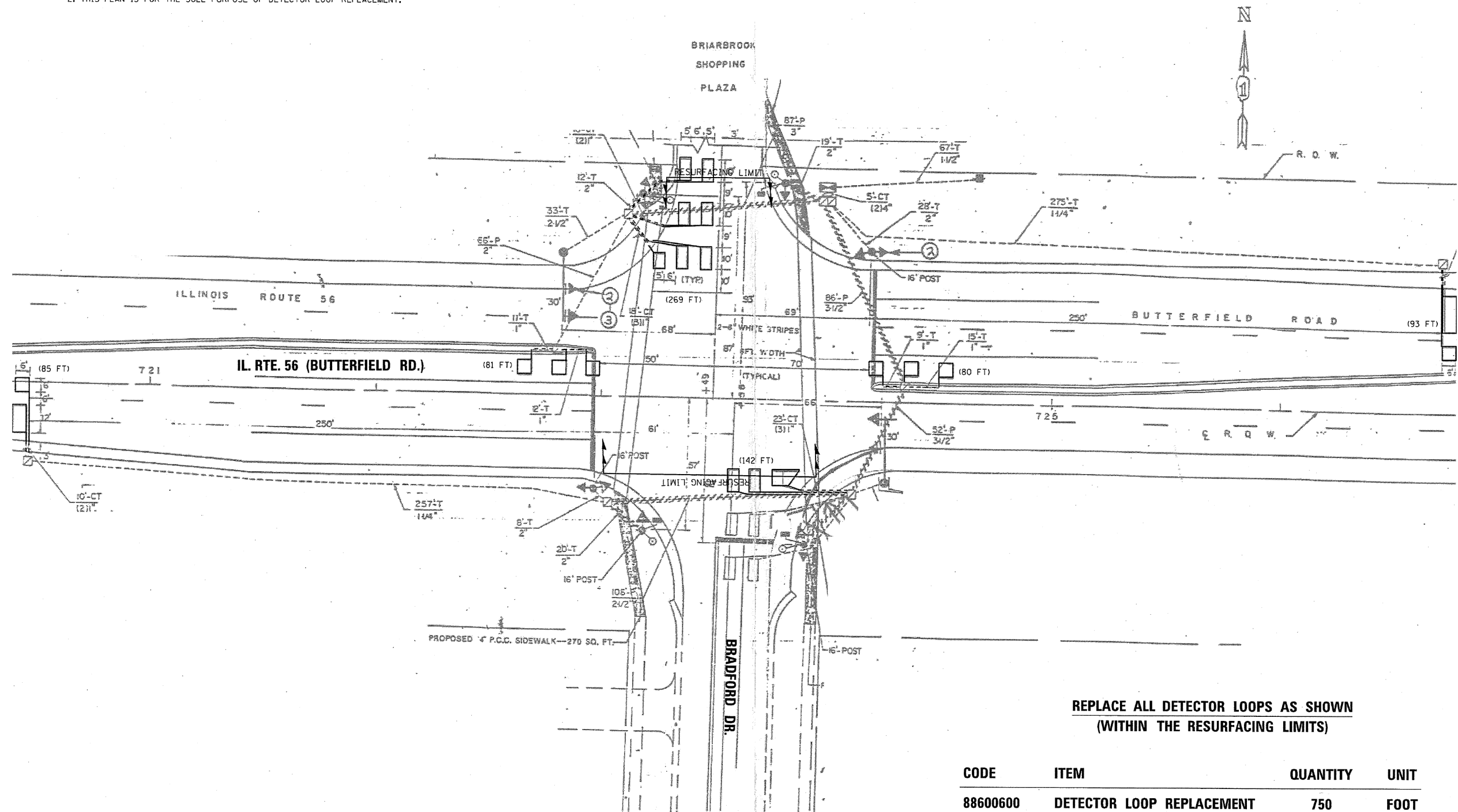
**DETECTOR LOOP REPLACEMENT PLANS
IL 56 AT LEASK LN.**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | | 67 | 19 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

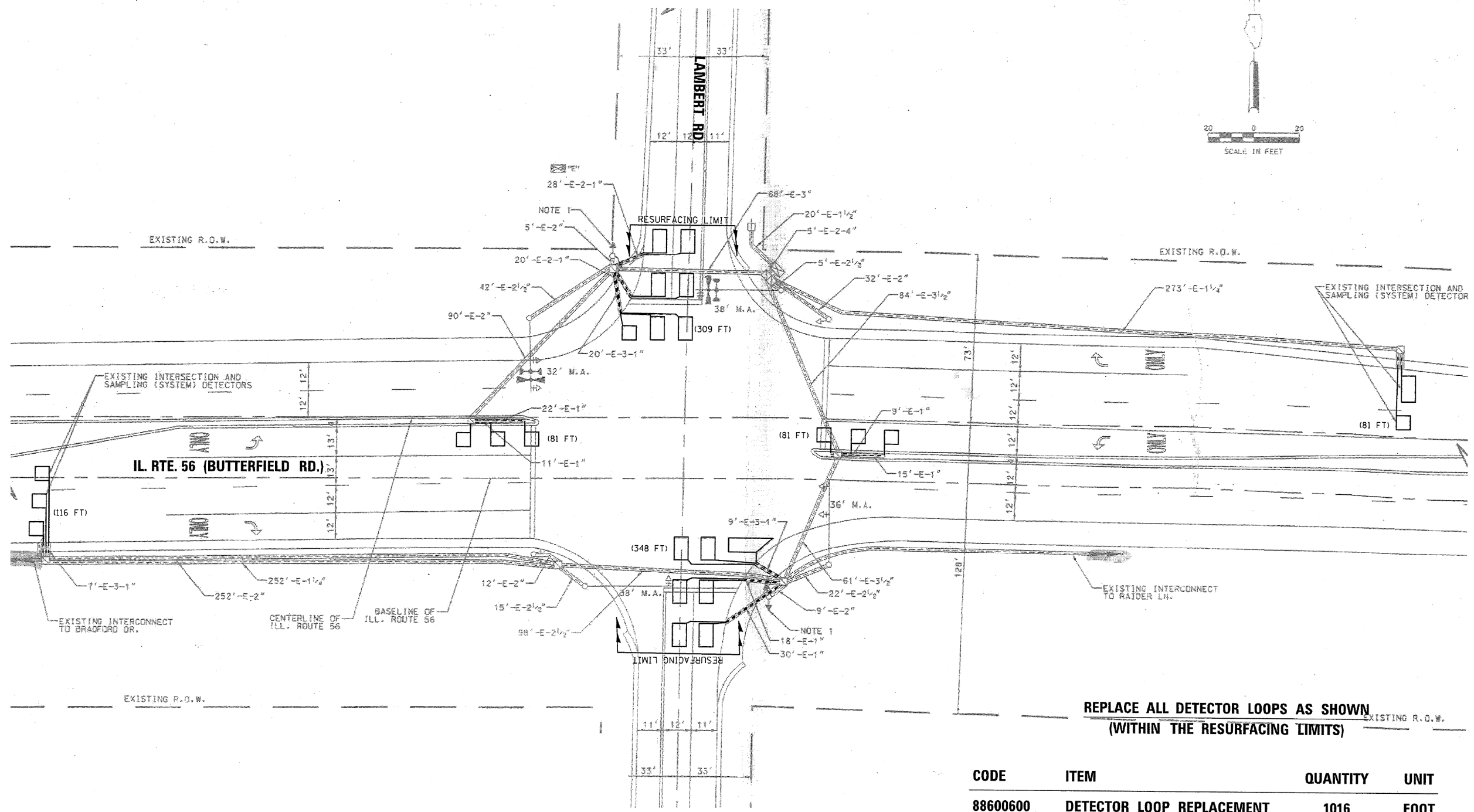


**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 750 | FOOT |

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 1016 | FOOT |

| | | | |
|--|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledznmrm | DESIGNED - | REVISED - |
| pw\IL084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI59911\Drawings\Design\DI59911-shr-plan.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

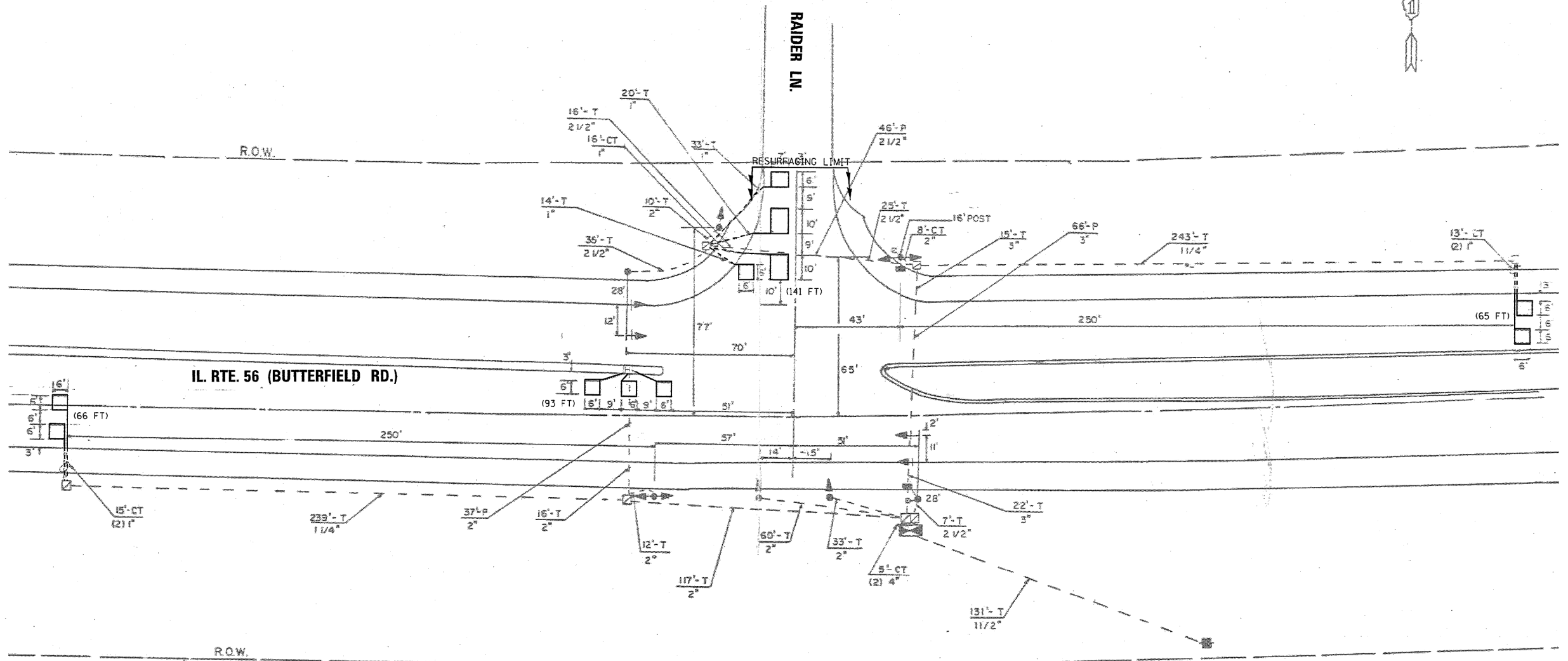
**DETECTOR LOOP REPLACEMENT PLANS
IL 56 AT LAMBERT RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 21 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 365 | FOOT |

| | | | |
|--|------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledznmrm | DESIGNED - | REVISED - |
| pw\l\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI59911\Drawings\Design\DI59911-shr-plan.dgn | | CHECKED - | REVISED - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

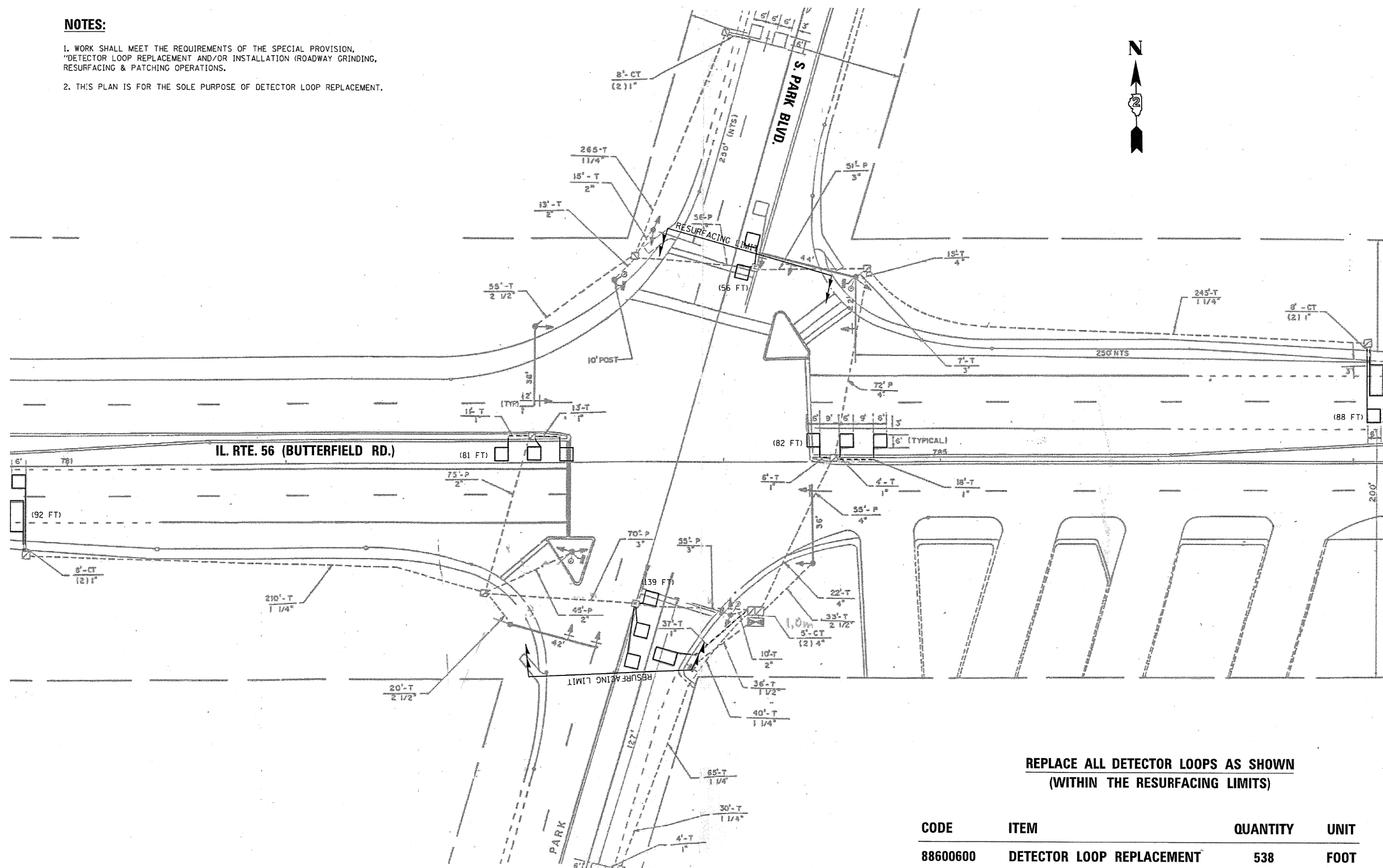
**DETECTOR LOOP REPLACEMENT PLANS
IL 56 AT RAIDER LN.**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | | 67 | 22 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

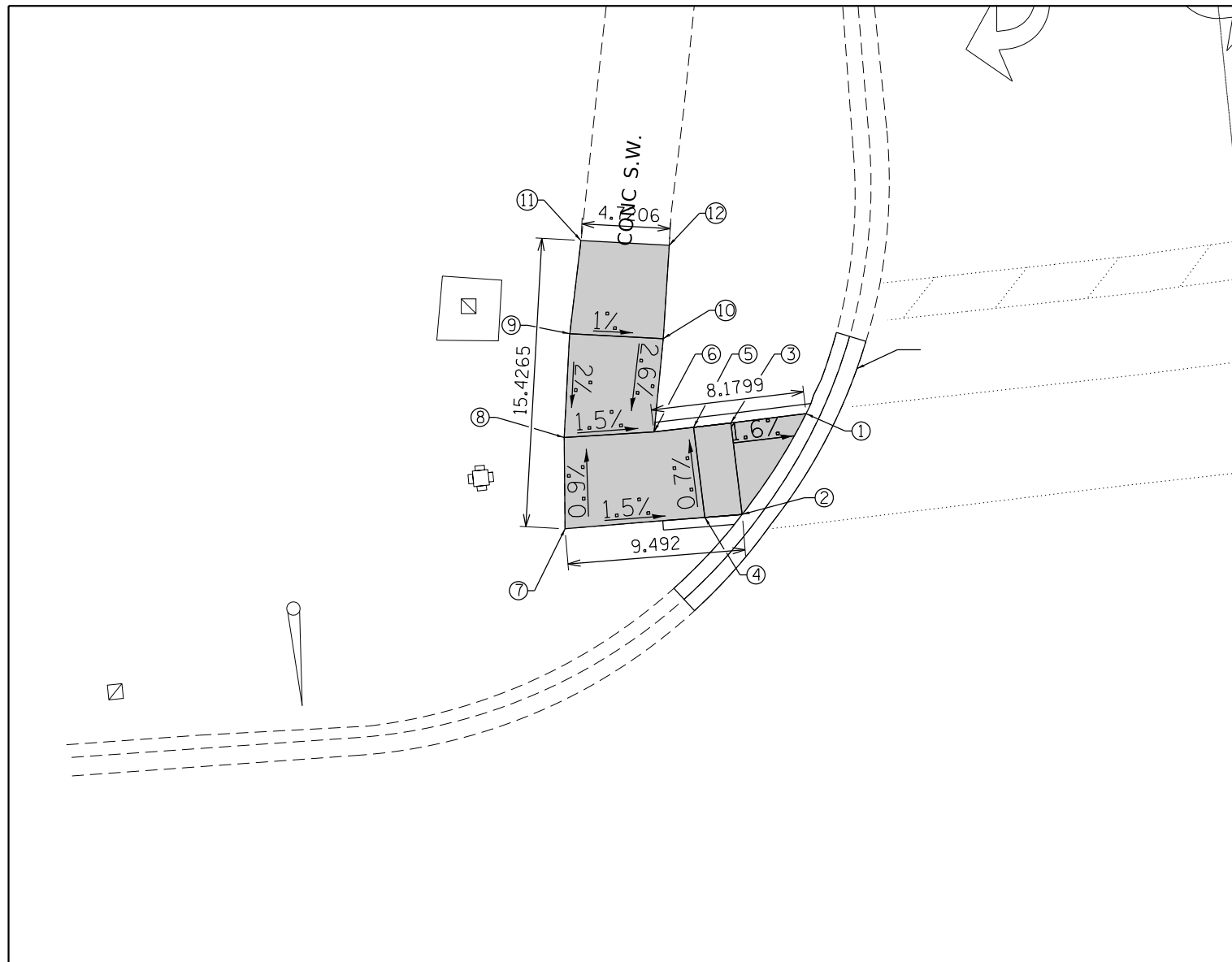
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, 'DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

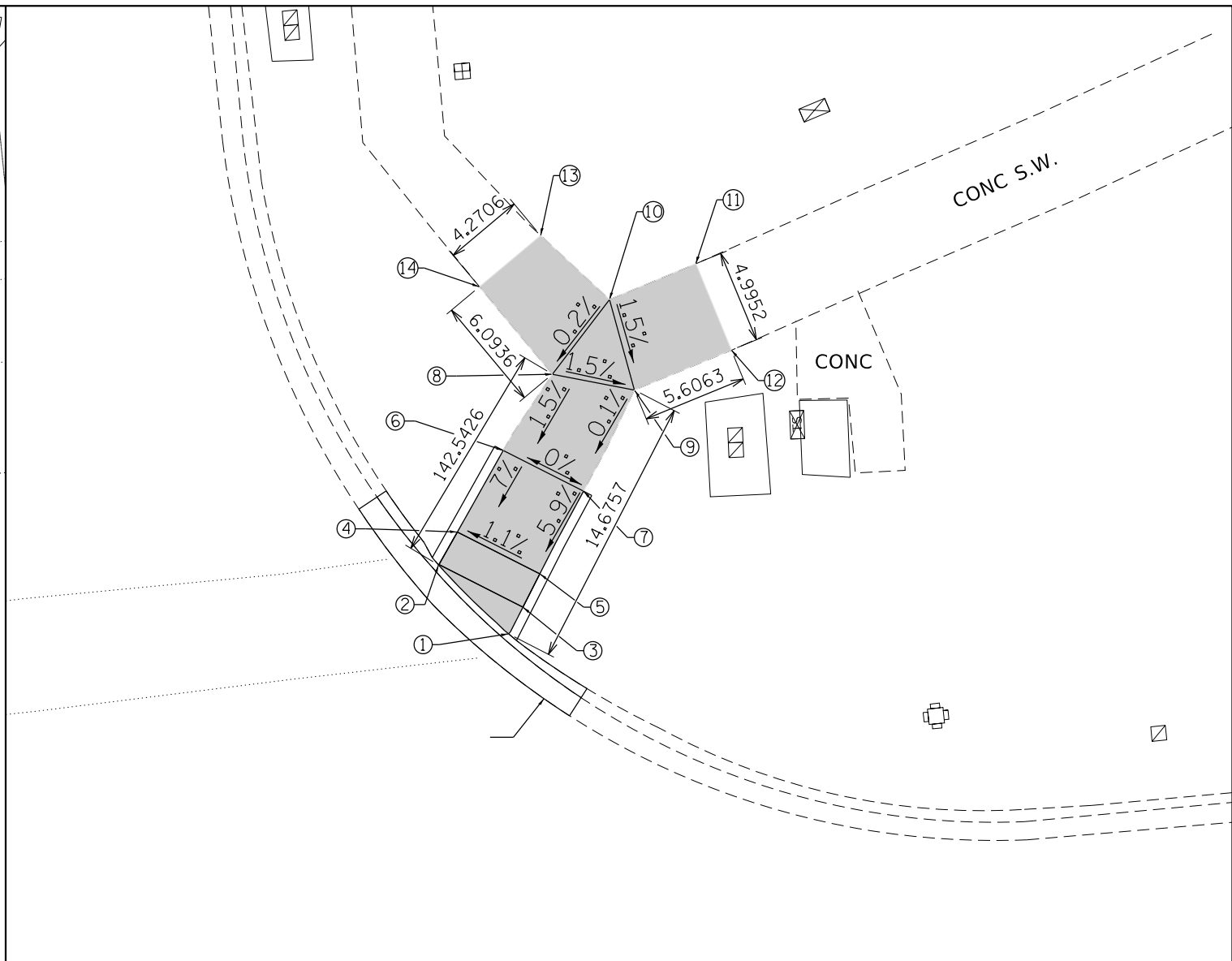
| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 538 | FOOT |

| | | | | | | | | | | | |
|---|----------------------|------------|-----------|---|--|---------------------------|---------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = ledemarm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETECTOR LOOP REPLACEMENT PLANS IL 56 AT S PARK BLVD. | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI599\Drawings\Design\DI59911-shr-plan.dgn | | CHECKED - | REVISED - | | | 365 | 57-RS-3 | DUPAGE | 67 | 23 | |
| PLOT SCALE = 100.0000' / 1" / in. | | DATE - | REVISED - | | | CONTRACT NO. 60P68 | | | | | |
| Default | | | | | | ILLINOIS FED. AID PROJECT | | | | | |



NORTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND E. LOOP DR.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
| 1 | 740.5256 | 6 | 740.6471 | 11 | 740.9024 | | |
| 2 | 740.6201 | 7 | 740.7611 | 12 | 740.8541 | | |
| 3 | 740.5856 | 8 | 740.7191 | | | | |
| 4 | 740.6501 | 9 | 740.8274 | | | | |
| 5 | 740.6156 | 10 | 740.7791 | | | | |



NORTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND E. LOOP DR.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|--|--|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
| 1 | 740.4293 | 6 | 740.753 | 11 | 740.8732 | | |
| 2 | 740.3735 | 7 | 740.753 | 12 | 740.8188 | | |
| 3 | 740.4293 | 8 | 740.825 | 13 | 740.985 | | |
| 4 | 740.4035 | 9 | 740.759 | 14 | 740.912 | | |
| 5 | 740.4593 | 10 | 740.834 | | | | |

REFERENCE BENCHMARK ELEV 744.954

BENCHMARK : SQUARE CUT ON THE NE CORNER OF TCB AT NE CORNER OF IL 56 & EAST LOOP

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

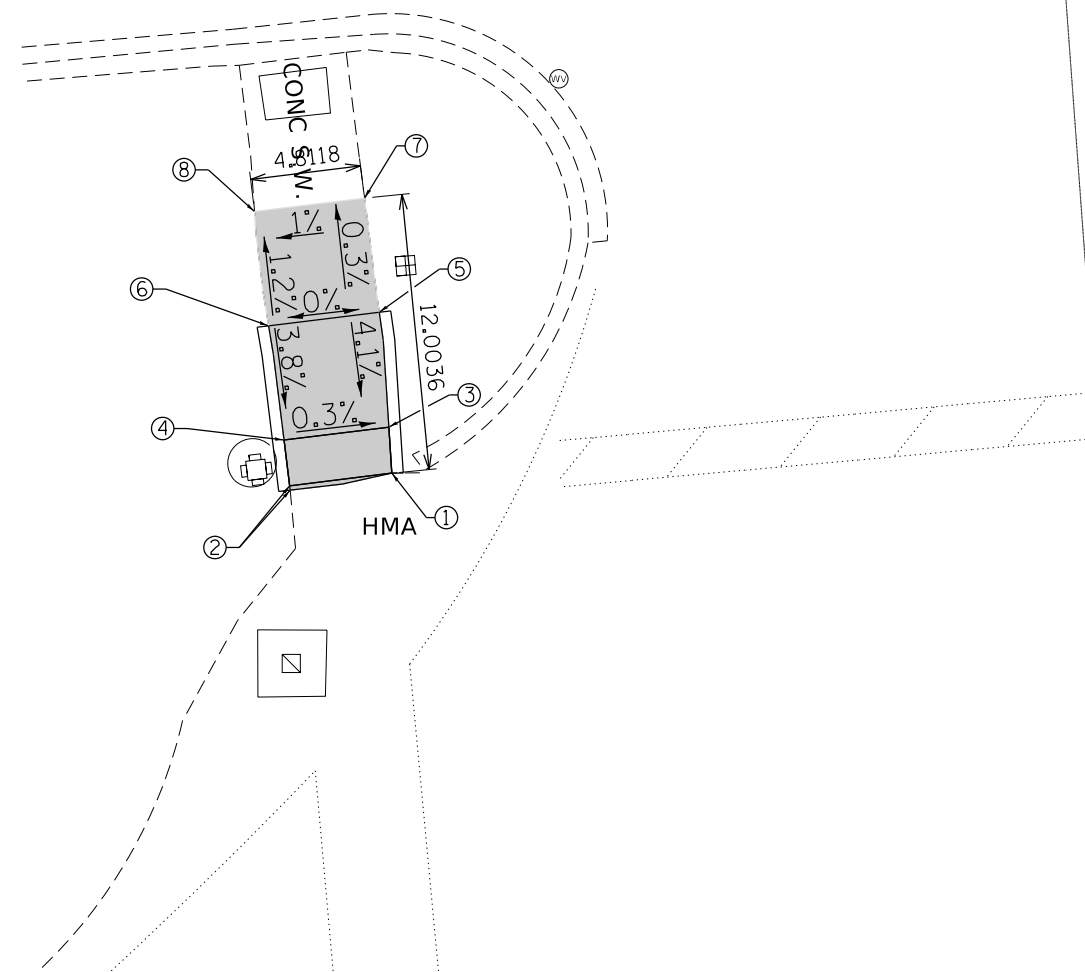
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| PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - | |
| Default | DATE - | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

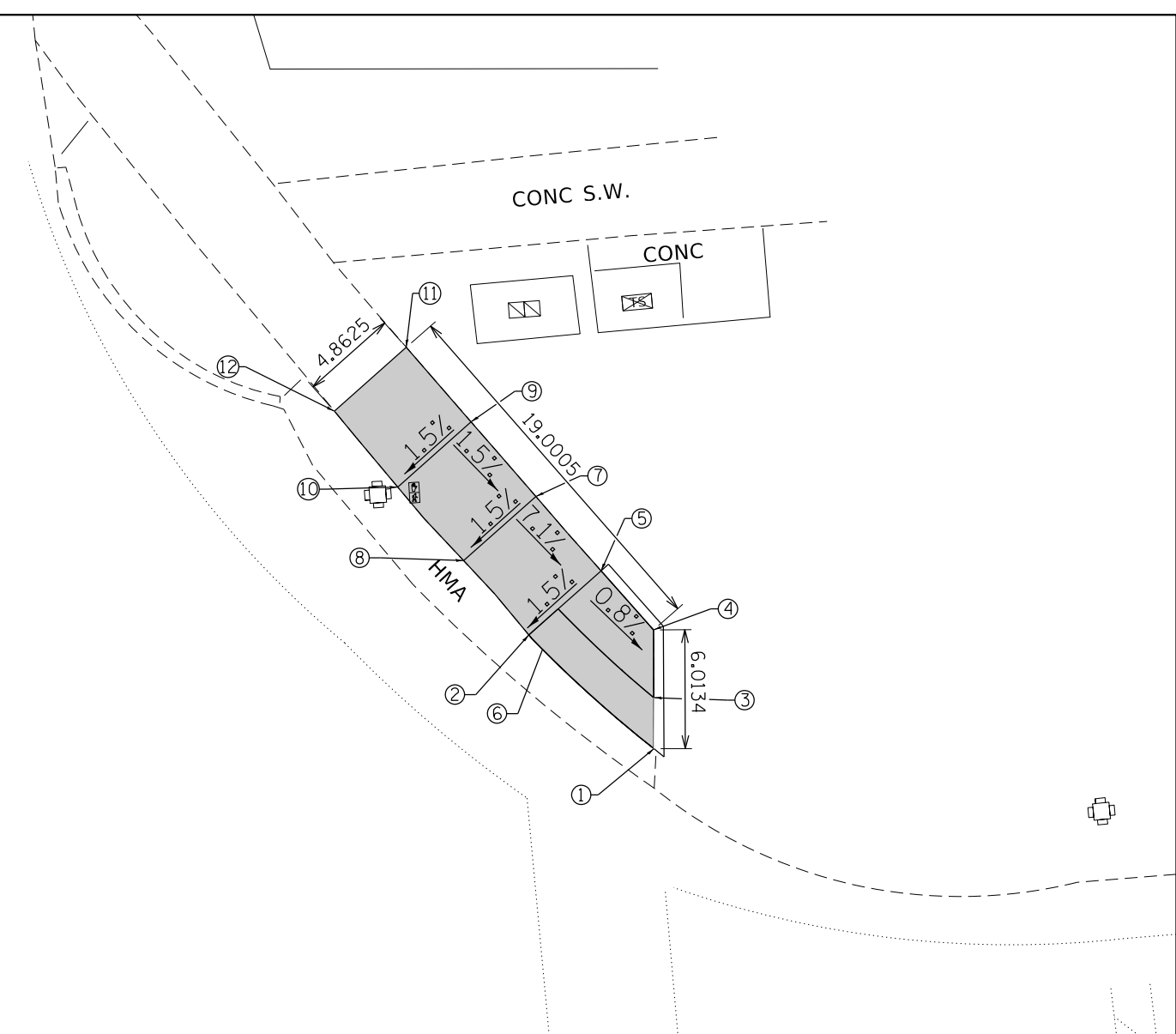
| | | | | |
|---------------------------|---------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | | 67 | 24 |
| | | | CONTRACT NO. 60P68 | |
| ILLINOIS FED. AID PROJECT | | | | |

SCALE: SHEET OF SHEETS STA. TO STA.



NORTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND BRADFORD DR.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
| 1 | 758.265 | 6 | 758.5 | | | | |
| 2 | 758.275 | 7 | 758.4871 | | | | |
| 3 | 758.295 | 8 | 758.4405 | | | | |
| 4 | 758.307 | | | | | | |
| 5 | 758.5 | | | | | | |



NORTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND BRADFORD DR.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|--|--|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
| 1 | 759.029 | 6 | 759.1023 | 11 | 760.1703 | | |
| 2 | 759.0723 | 7 | 759.5013 | 12 | 759.797 | | |
| 3 | 759.059 | 8 | 759.4293 | | | | |
| 4 | 759.11 | 9 | 759.5763 | | | | |
| 5 | 759.1443 | 10 | 759.5043 | | | | |

REFERENCE BENCHMARK ELEV 761.38

BENCHMARK : CHISELED SQUARE ON THE SW CORNER OF TCB AT NE CORNER OF
IL 56 & BRADFORD DR.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

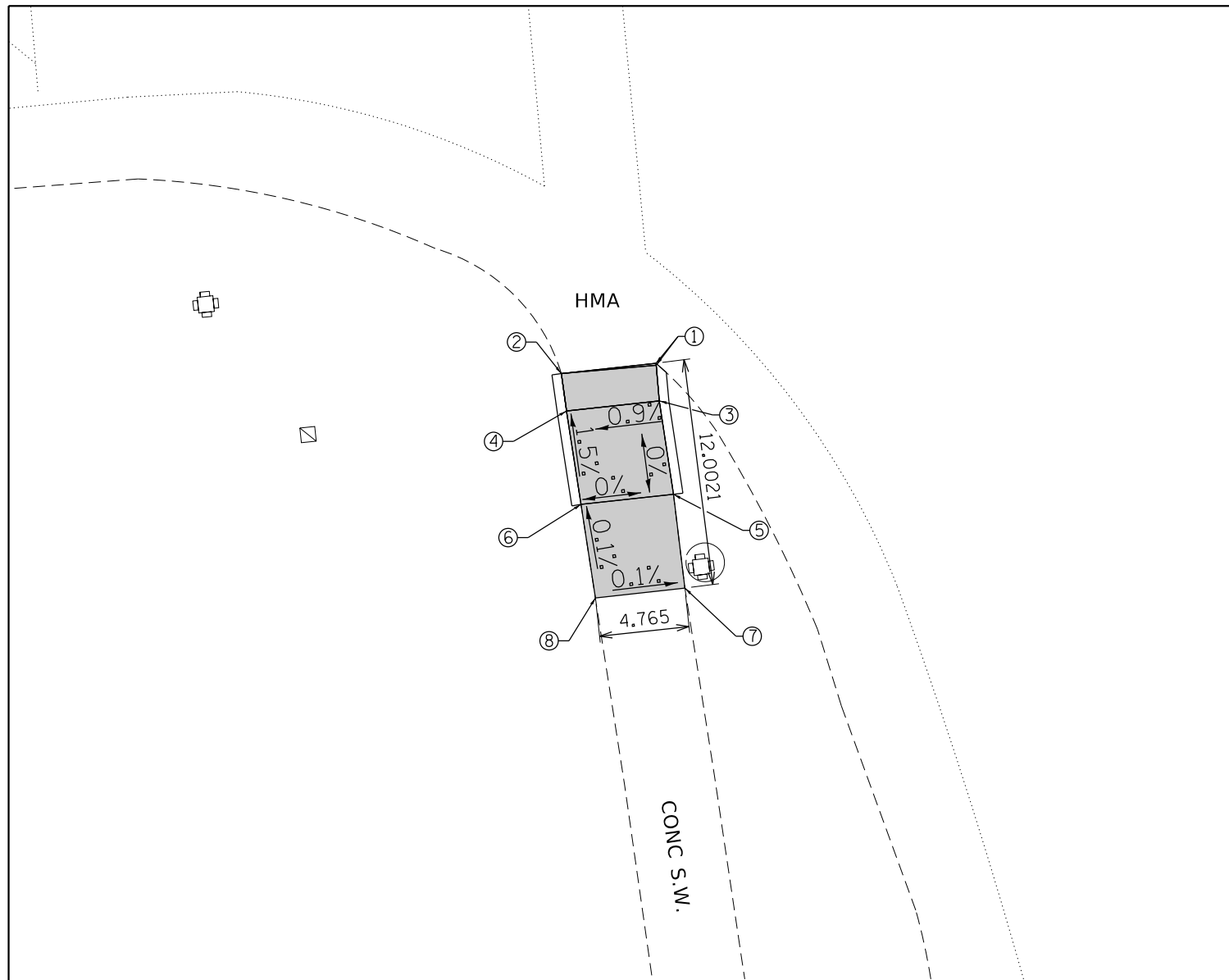
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|--|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
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| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISOR - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISOR - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

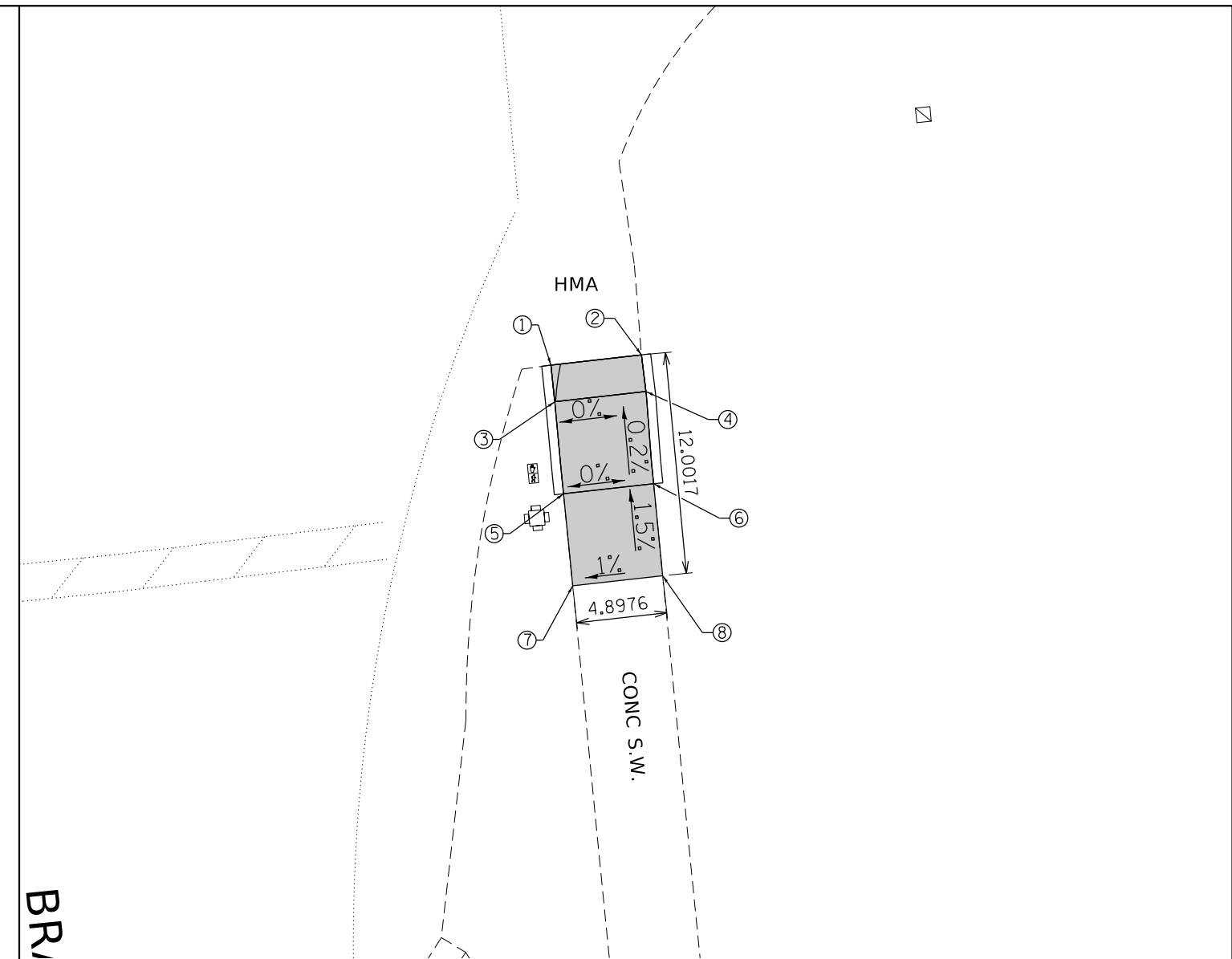
ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|--------------------|---------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 25 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |



SOUTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND BRADFORD DR.



SOUTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND BRADFORD DR.

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| 1 | 758.142 | 6 | 758.142 | | | | |
| 2 | 758.067 | 7 | 758.138 | | | | |
| 3 | 758.142 | 8 | 758.1449 | | | | |
| 4 | 758.097 | | | | | | |
| 5 | 758.142 | | | | | | |

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
|------------|-----------|------------|-----------|------------|-----------|--|--|
| 1 | 758.112 | 6 | 758.1221 | | | | |
| 2 | 758.112 | 7 | 758.1453 | | | | |
| 3 | 758.112 | 8 | 758.1971 | | | | |
| 4 | 758.112 | | | | | | |
| 5 | 758.1221 | | | | | | |

REFERENCE BENCHMARK ELEV 761.38

BENCHMARK : CHISELED SQUARE ON THE SW CORNER OF TCB AT NE CORNER OF
IL 56 & BRADFORD DR.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

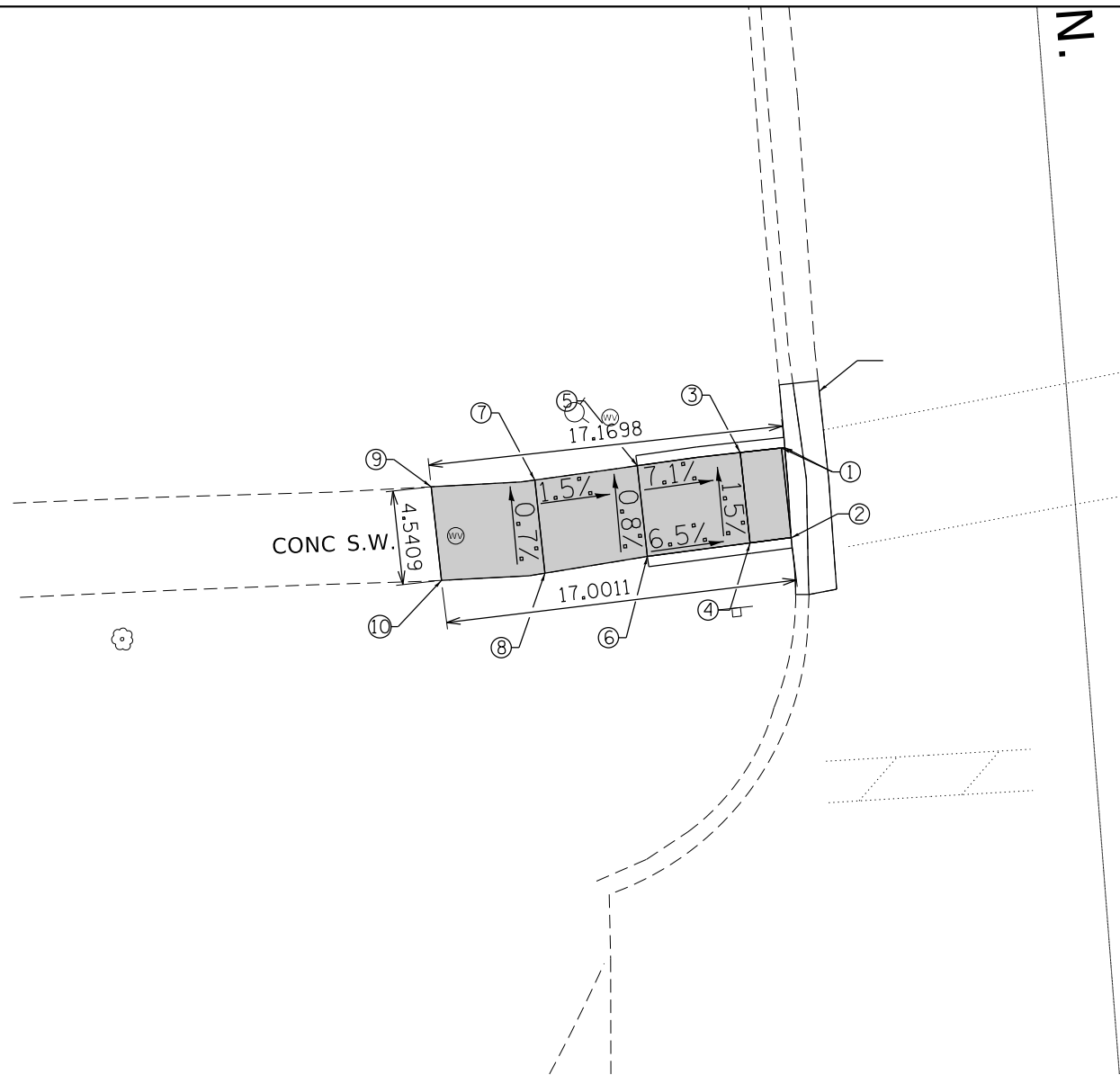
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| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
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| Default | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

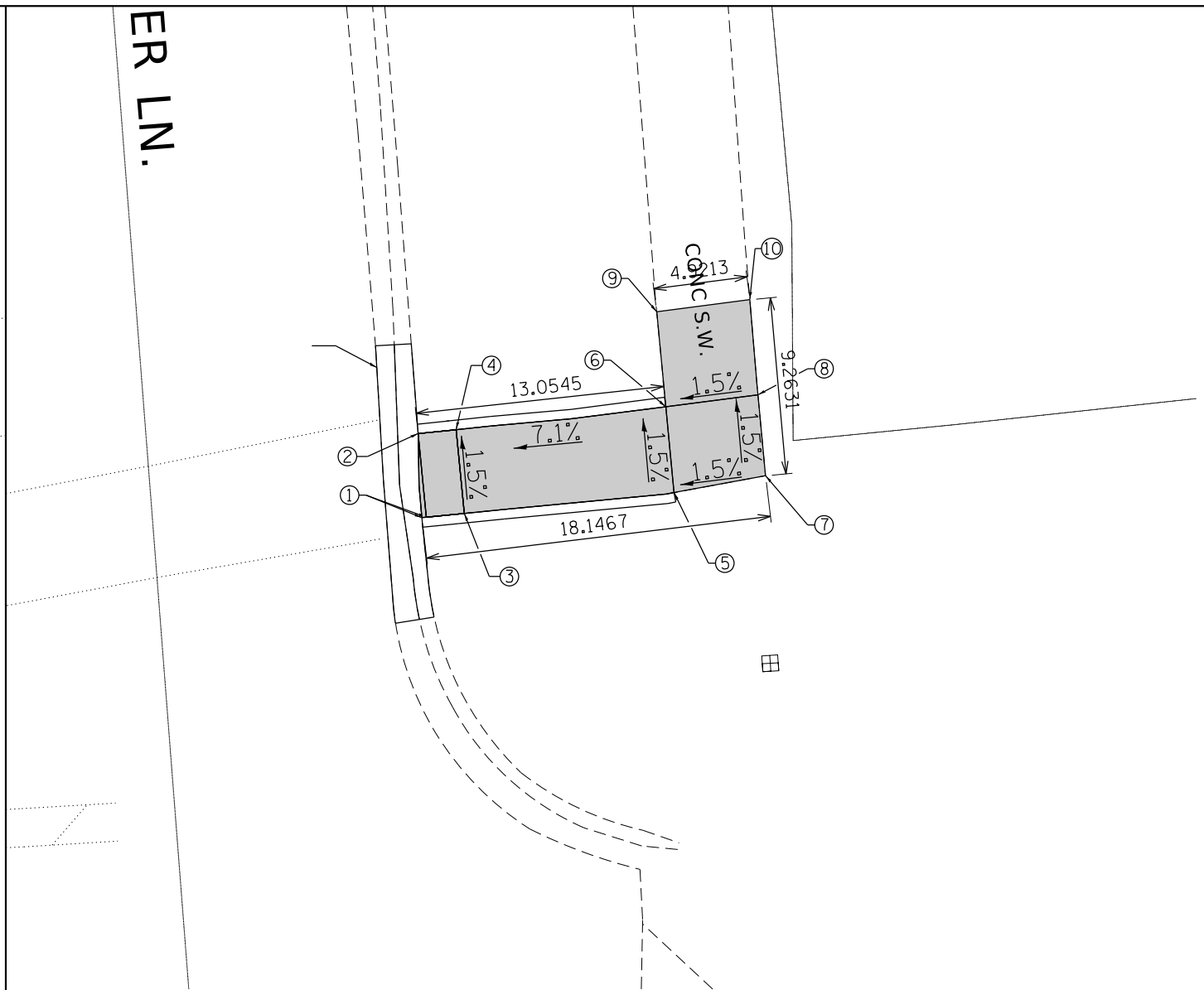
ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 26 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NORTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND LANCASTER LN.



NORTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND LANCASTER LN.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
| 1 | 761.1057 | 6 | 761.5263 | | | | |
| 2 | 761.1693 | 7 | 761.5677 | | | | |
| 3 | 761.1357 | 8 | 761.6013 | | | | |
| 4 | 761.1993 | 9 | 762.2999 | | | | |
| 5 | 761.4927 | 10 | 762.1947 | | | | |

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|--|--|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
| 1 | 760.0358 | 6 | 760.7852 | | | | |
| 2 | 759.9698 | 7 | 760.9202 | | | | |
| 3 | 760.0658 | 8 | 760.8572 | | | | |
| 4 | 759.9998 | 9 | 760.7708 | | | | |
| 5 | 760.8512 | 10 | 760.8805 | | | | |

REFERENCE BENCHMARK ELEV 764.419

BENCHMARK : TOP SPINDAL OF FIRE HYDRANT ON THE NW CORNER OF
IL 56 & LANCASTER LN.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

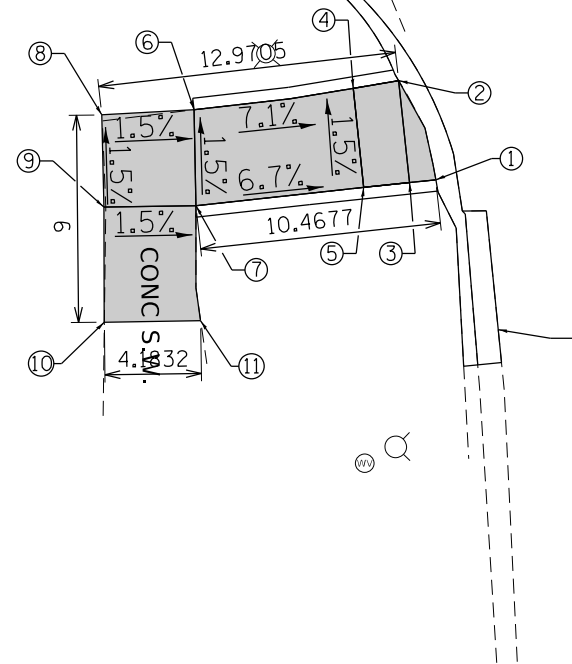
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| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
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| Default | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

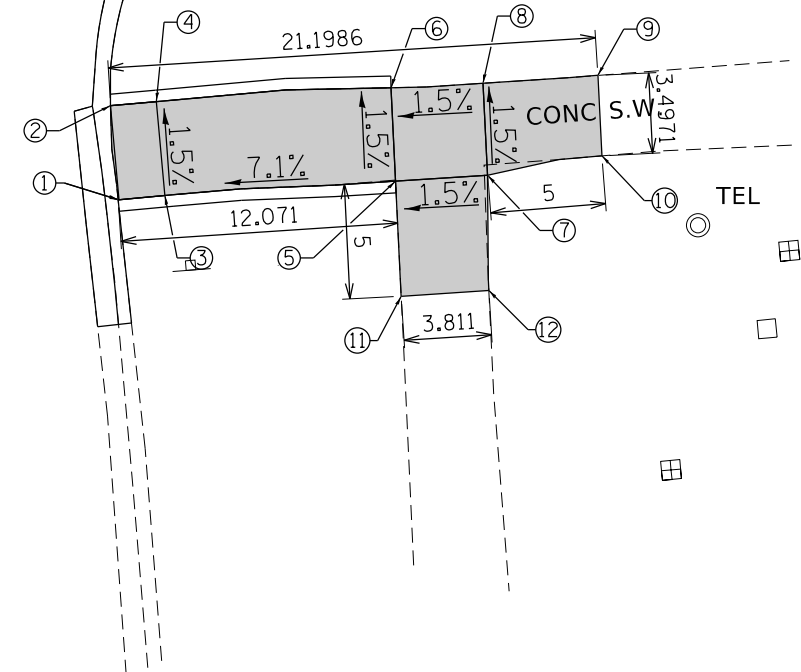
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 27 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SCOTTDALE CIR.

SOUTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND SCOTTSDALE CIR.



SCOTTDALE CIR.

SOUTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND SCOTTSDALE CIR.

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| 1 | 766.2213 | 6 | 766.6779 | 11 | 767.233 | | |
| 2 | 766.1553 | 7 | 766.7394 | | | | |
| 3 | 766.2213 | 8 | 766.7379 | | | | |
| 4 | 766.1853 | 9 | 766.7979 | | | | |
| 5 | 766.2513 | 10 | 767.19 | | | | |

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
|------------|-----------|------------|-----------|------------|-----------|--|--|
| 1 | 766.439 | 6 | 767.123 | 11 | 767.4921 | | |
| 2 | 766.379 | 7 | 767.243 | 12 | 767.6219 | | |
| 3 | 766.469 | 8 | 767.183 | | | | |
| 4 | 766.409 | 9 | 767.4511 | | | | |
| 5 | 767.183 | 10 | 767.5347 | | | | |

REFERENCE BENCHMARK ELEV 769.657

BENCHMARK :

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

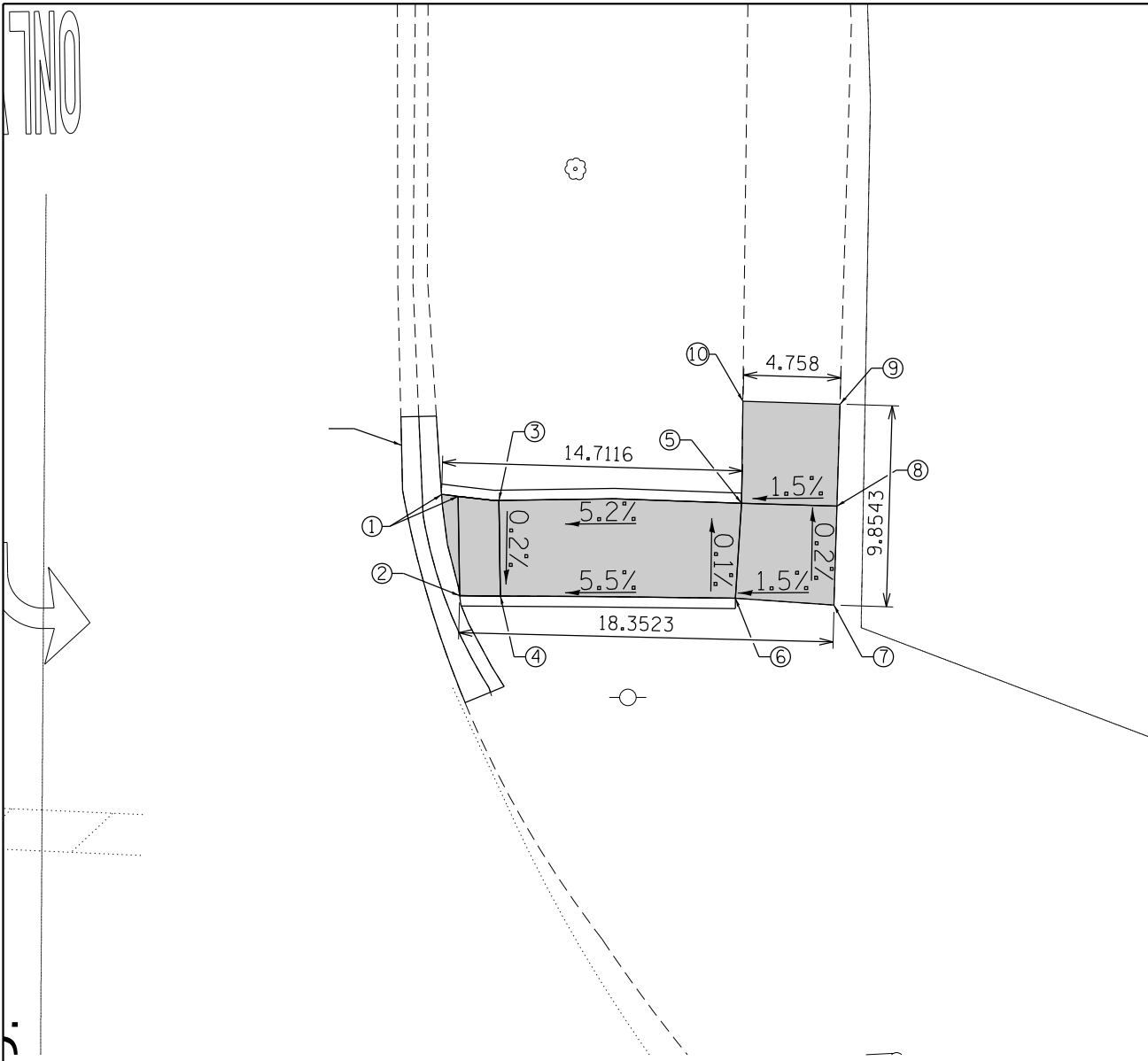
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| | | CHECKED - | REVISOR - |
| | | DATE - | REVISOR - |
| Default | PLOT DATE = 12/12/2018 | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|--------|---------------------------|-----------|
| 365 | 57-RS-3 | | 67 | 28 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |



NORTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND S. LAMBERT RD.

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| 1 | 760.9011 | 6 | 761.553 | | | | |
| 2 | 760.8919 | 7 | 761.625 | | | | |
| 3 | 760.9311 | 8 | 761.6164 | | | | |
| 4 | 760.9219 | 9 | 761.6083 | | | | |
| 5 | 761.5474 | 10 | 761.6294 | | | | |

REFERENCE BENCHMARK ELEV 760.746

BENCHMARK : X CUT ON THE SOUTH FACE OF CP BASE AT SW CORNER OF
IL 56 & LAMBERT RD.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

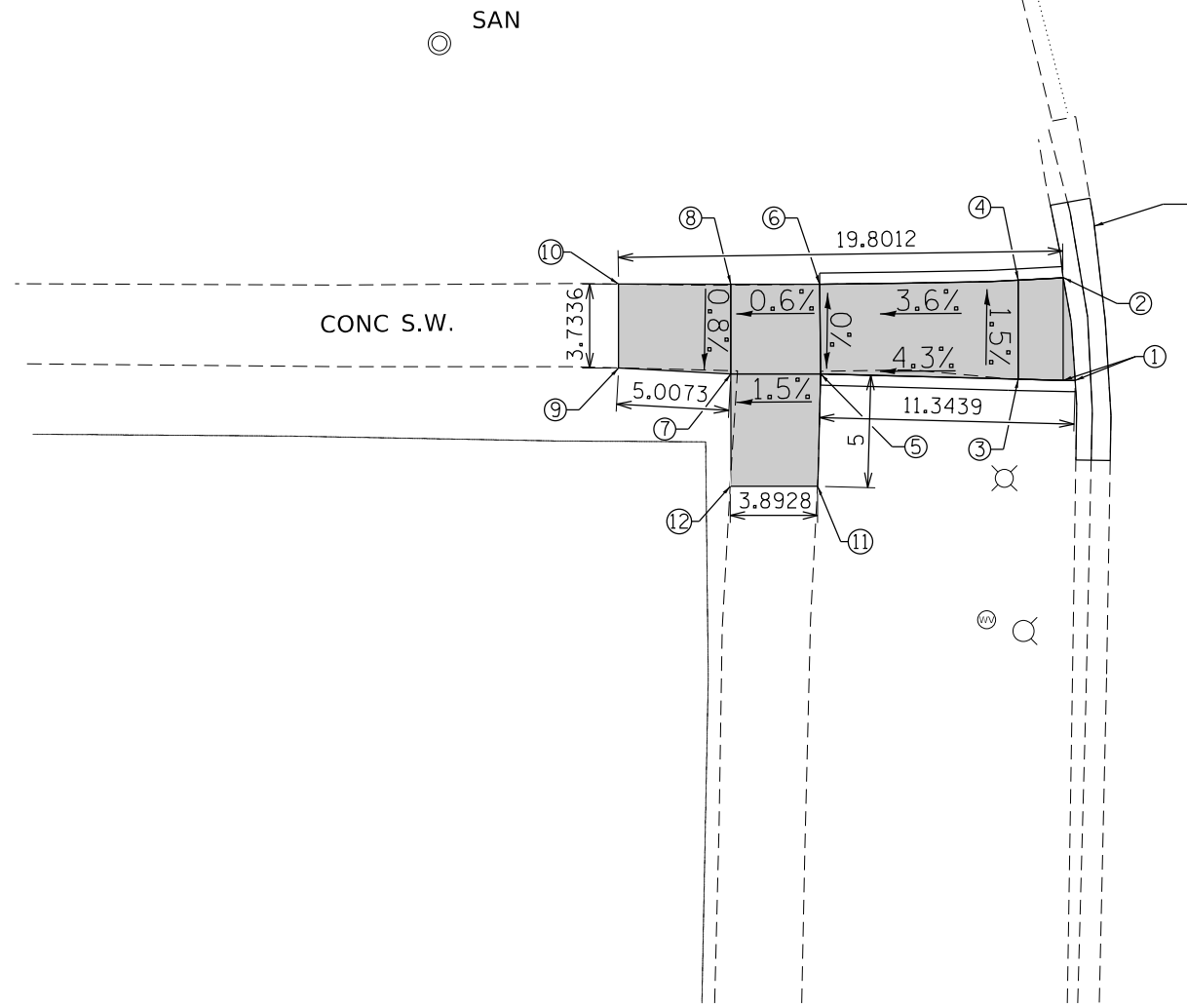
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| | | DATE - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | | |
| | PLOT DATE = 12/12/2018 | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

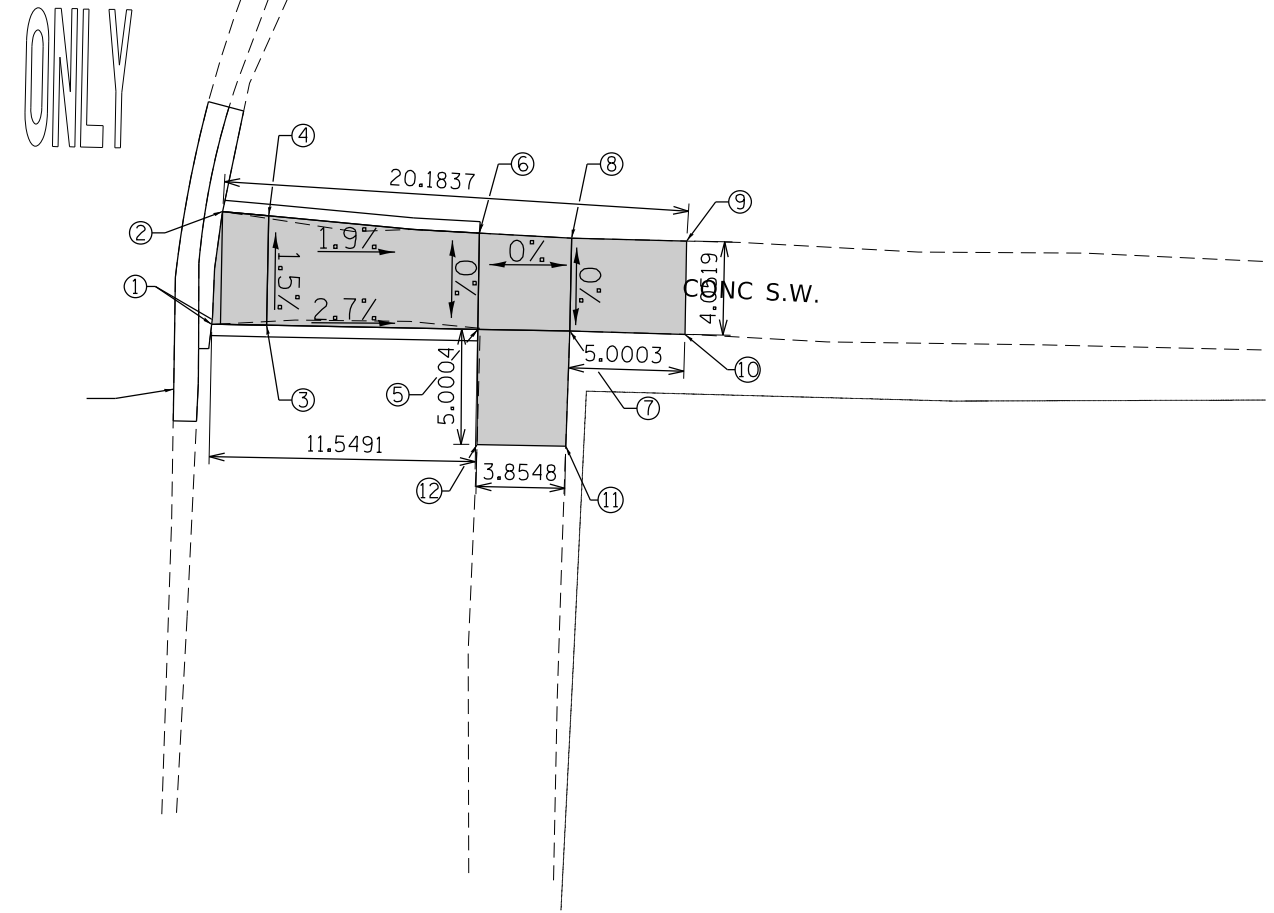
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 29 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SOUTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND SCOTTSDALE CIR.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
| 1 | 760.4919 | 6 | 760.0799 | 11 | 760.2761 | | |
| 2 | 760.4244 | 7 | 760.0199 | 12 | 759.9955 | | |
| 3 | 760.4619 | 8 | 760.0554 | | | | |
| 4 | 760.3944 | 9 | 759.7896 | | | | |
| 5 | 760.0799 | 10 | 759.7877 | | | | |



SOUTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND SCOTTSDALE CIR.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|--|--|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
| 1 | 760.6445 | 6 | 760.368 | 11 | 760.4485 | | |
| 2 | 760.5714 | 7 | 760.368 | 12 | 760.5327 | | |
| 3 | 760.6145 | 8 | 760.368 | | | | |
| 4 | 760.544 | 9 | 760.1997 | | | | |
| 5 | 760.368 | 10 | 760.1569 | | | | |

REFERENCE BENCHMARK ELEV 760.746

BENCHMARK : X CUT ON THE SOUTH FACE OF CP BASE AT SW CORNER OF
IL 56 & LAMBERT RD.

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

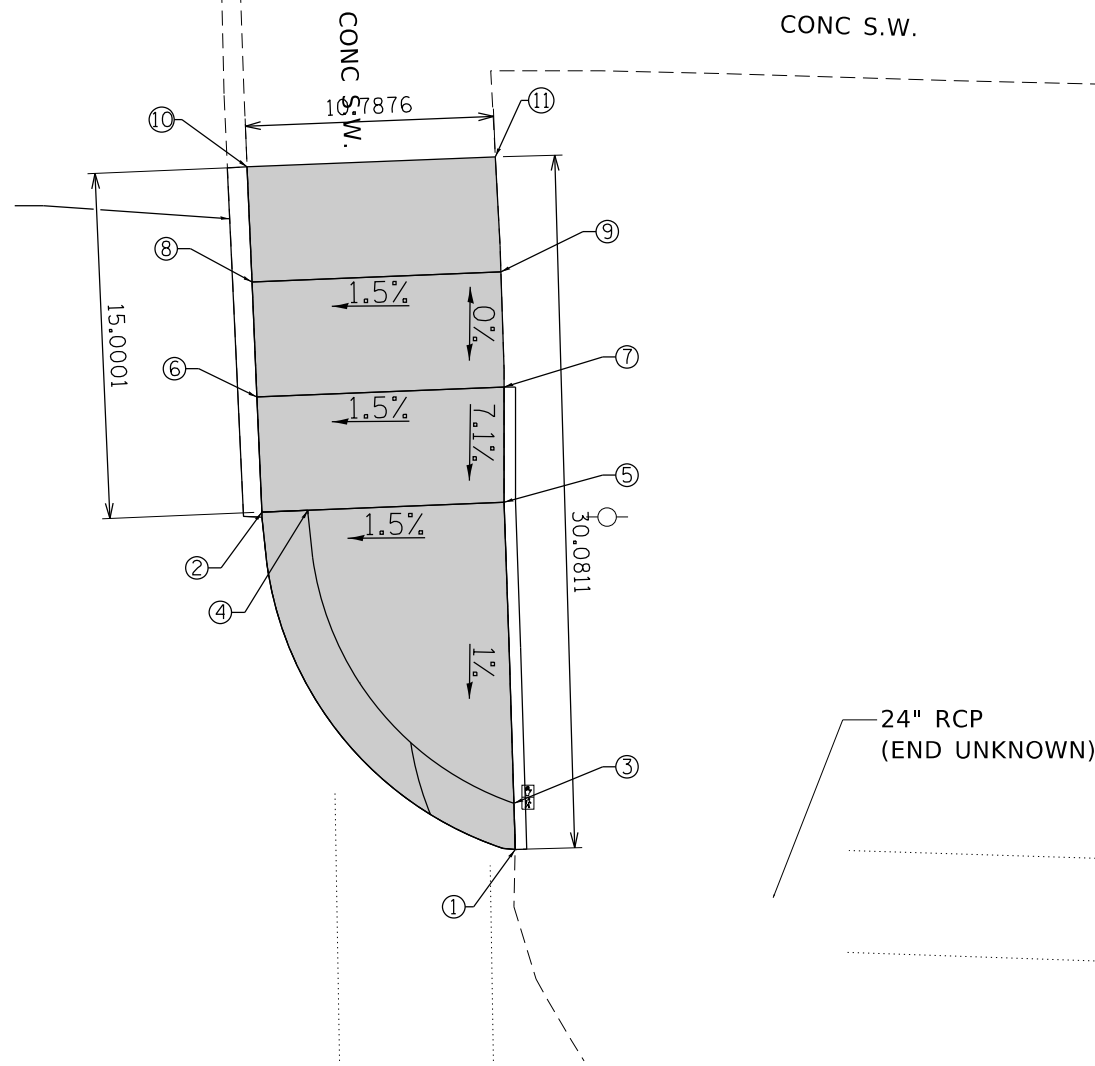
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|---|------------------------------|------------|-----------|
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| | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISOR - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISOR - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

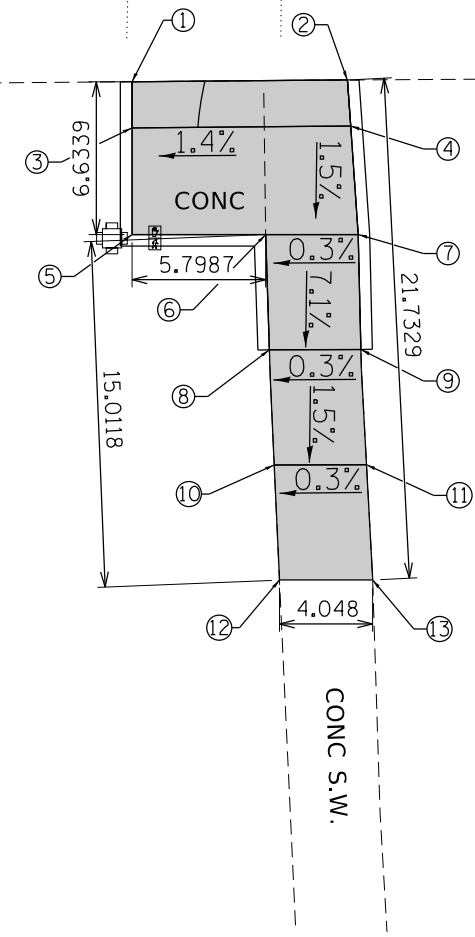
ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 30 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NORTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND RAIDER LN.



SOUTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND RAIDER LN.

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| 1 | 761.128 | 6 | 761.485 | 11 | 761.6312 | | |
| 2 | 761.128 | 7 | 761.6425 | | | | |
| 3 | 761.158 | 8 | 761.485 | | | | |
| 4 | 761.158 | 9 | 761.6425 | | | | |
| 5 | 761.2855 | 10 | 761.0089 | | | | |

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
|------------|-----------|------------|-----------|------------|-----------|--|--|
| 1 | 762.9303 | 6 | 762.9476 | 11 | 762.5276 | | |
| 2 | 763.0601 | 7 | 762.9596 | 12 | 762.2295 | | |
| 3 | 762.9003 | 8 | 762.5906 | 13 | 762.2995 | | |
| 4 | 763.0301 | 9 | 762.6026 | | | | |
| 5 | 762.8876 | 10 | 762.5156 | | | | |

REFERENCE BENCHMARK ELEV 763.656

BENCHMARK : SQUARE CUT ON THE NORTH FACE OF MAST ARM AT SOUTH SIDE OF IL 56 & RAIDER LN.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

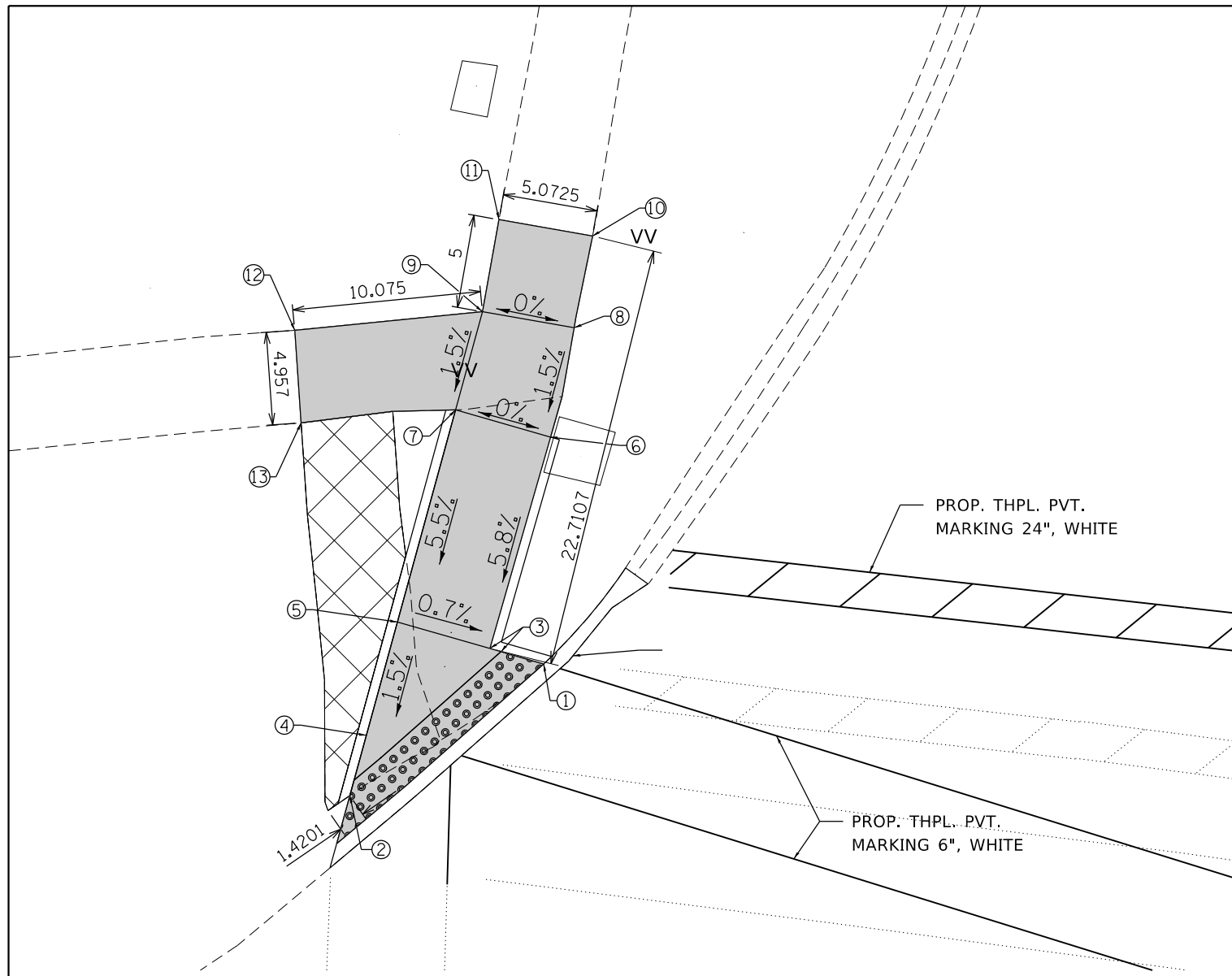
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|--|------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
| pwz\VL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT_Offices\District 1\Projects\159911\CADDData\Design\DRAWN 1-shit-plan.dgn | | CHECKED - | REVISED - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

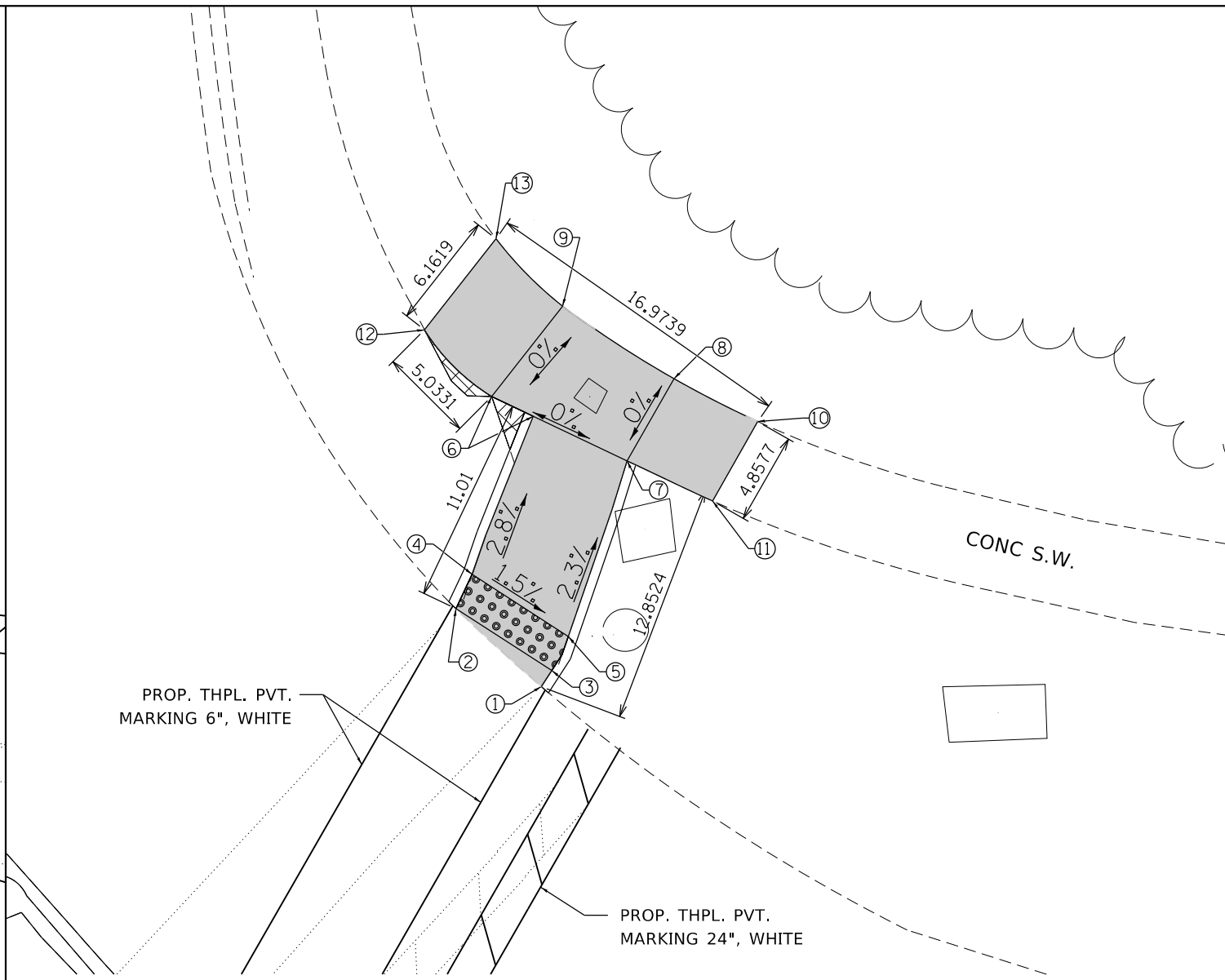
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|--------------------|---------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | | 67 | 31 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |



NORTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND S. PARK BLVD.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
| 1 | 754.49 | 6 | 755.2205 | 11 | 755.2958 | | |
| 2 | 754.4246 | 7 | 755.2212 | 12 | 755.503 | | |
| 3 | 754.5348 | 8 | 755.31 | 13 | 755.412 | | |
| 4 | 754.4745 | 9 | 755.3 | | | | |
| 5 | 754.5687 | 10 | 755.0832 | | | | |



NORTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND S. PARK BLVD.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|--|--|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
| 1 | 752.5544 | 6 | 752.346 | 11 | 752.2038 | | |
| 2 | 752.6466 | 7 | 752.346 | 12 | 752.8118 | | |
| 3 | 752.5566 | 8 | 752.346 | 13 | 752.738 | | |
| 4 | 752.6166 | 9 | 752.346 | | | | |
| 5 | 752.5866 | 10 | 752.0636 | | | | |

REFERENCE BENCHMARK ELEV 756.135

BENCHMARK : SQUARE CUT ON THE SW CORNER OF TCB AT SE CORNER OF
IL 56 & PARK BLVD

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

| | | | |
|--|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
| pwz\VL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\159911\CADDData\Design\DRAWN 1-shft-plan.dgn | | REVISOR - | REVISOR - |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISOR - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISOR - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

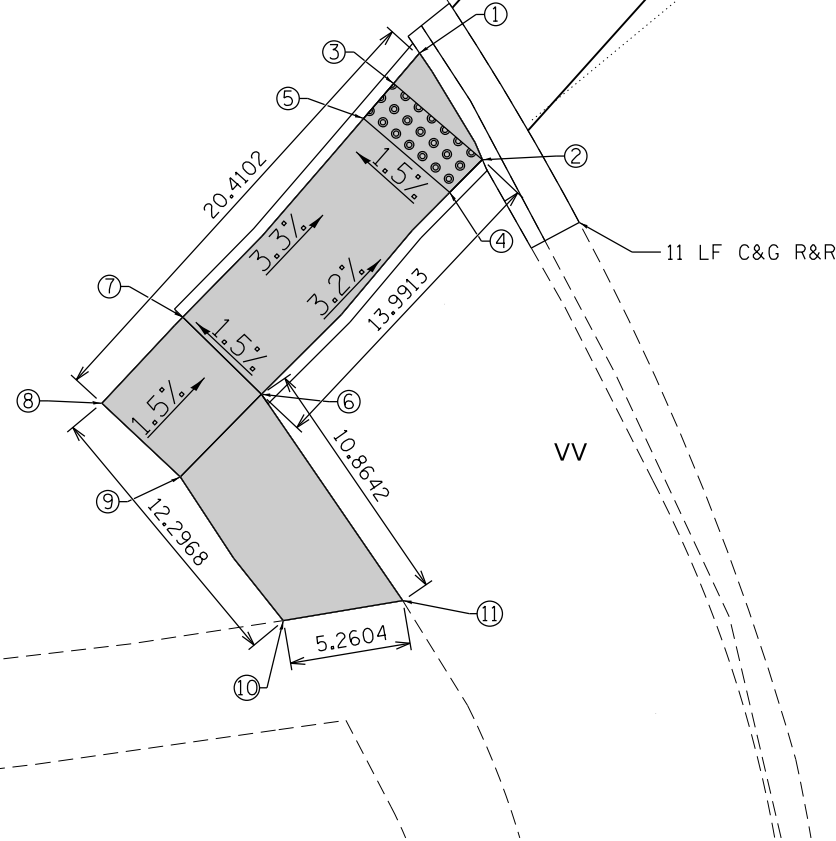
ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 32 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

PROP. THPL. PVT.
MARKING 24", WHITE

PROP. THPL. PVT.
MARKING 6", WHITE



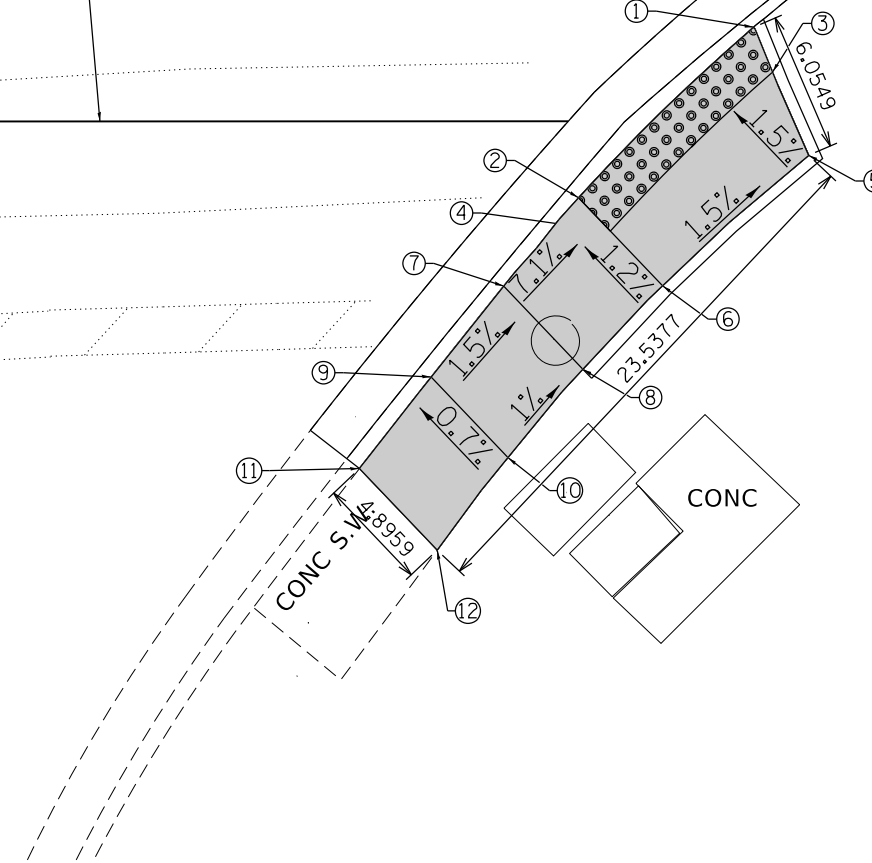
SOUTHWEST CORNER
IL 56 (BUTTERFIELD RD.) AND S. PARK BLVD.

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| 1 | 755.4728 | 6 | 755.9598 | 11 | 756.363 | | |
| 2 | 755.5523 | 7 | 755.8893 | | | | |
| 3 | 755.4773 | 8 | 755.9658 | | | | |
| 4 | 755.5823 | 9 | 756.0348 | | | | |
| 5 | 755.5073 | 10 | 756.385 | | | | |

PROP. THPL. PVT.
MARKING 6", WHITE

32 LF C&G R&R



SOUTHEAST CORNER
IL 56 (BUTTERFIELD RD.) AND S. PARK BLVD.

ADA RAMP ELEVATION TABLE

| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
|------------|-----------|------------|-----------|------------|-----------|--|--|
| 1 | 754.7121 | 6 | 754.9281 | 11 | 755.6422 | | |
| 2 | 754.8696 | 7 | 755.2266 | 12 | 755.7708 | | |
| 3 | 754.7421 | 8 | 755.2851 | | | | |
| 4 | 754.8891 | 9 | 755.3016 | | | | |
| 5 | 754.8006 | 10 | 755.3376 | | | | |

REFERENCE BENCHMARK ELEV 756.135

BENCHMARK : SQUARE CUT ON THE SW CORNER OF TCB AT SE CORNER OF
IL 56 & PARK BLVD

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

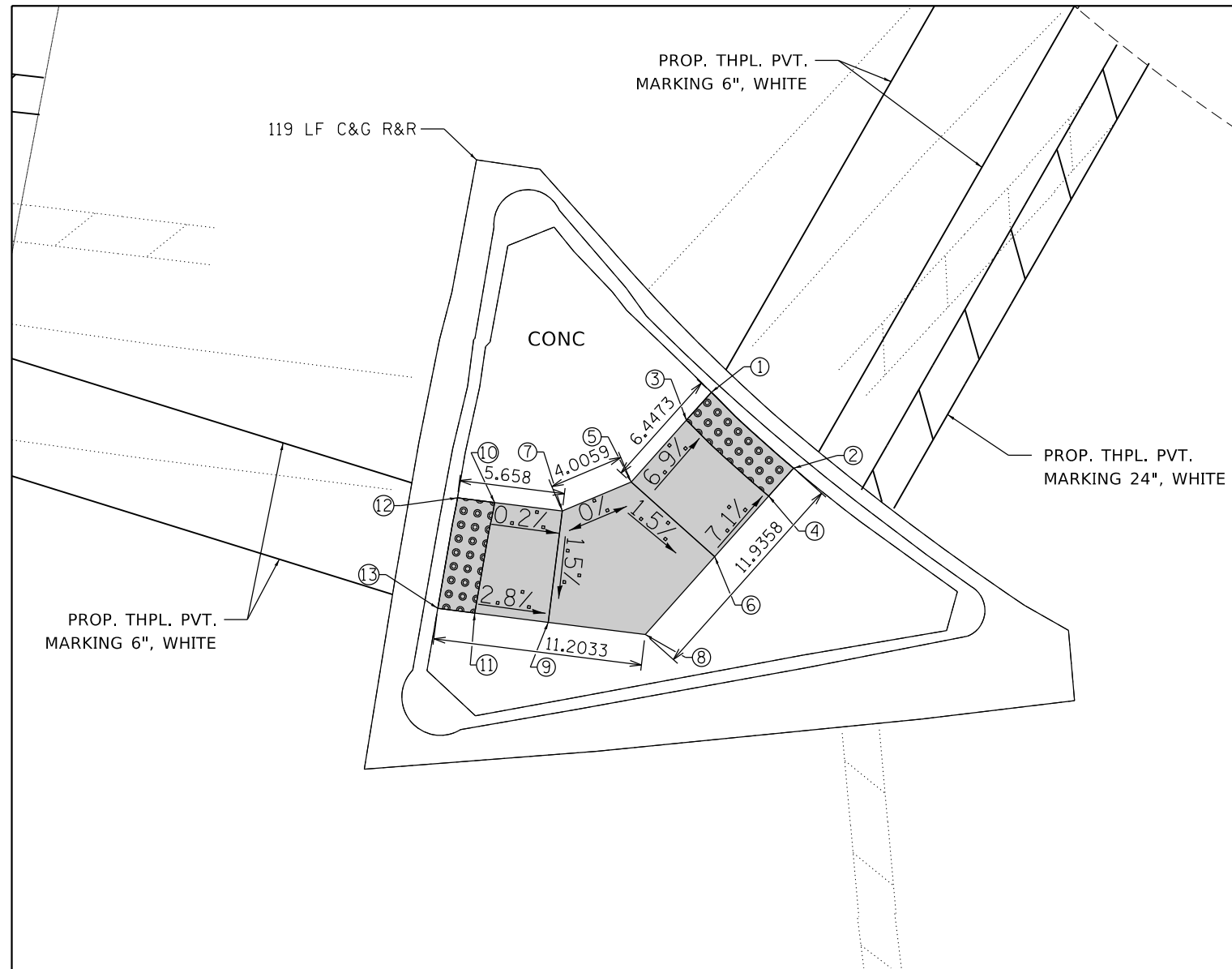
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| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| Default | DATE - | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

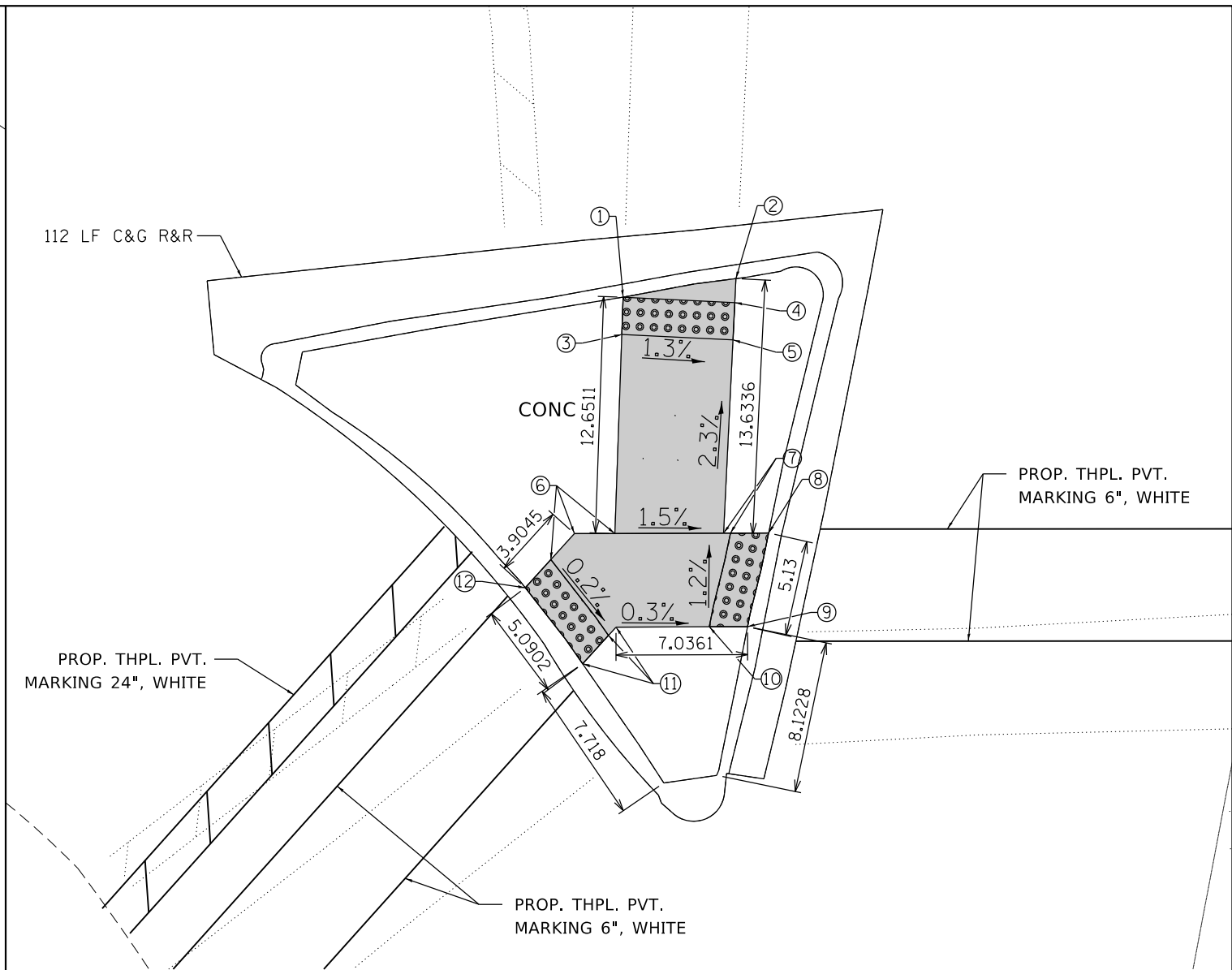
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|--------------------|---------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 33 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |



NORTHEAST CORNER ISLAND
IL 56 (BUTTERFIELD RD.) AND S. PARK BLVD.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION |
| 1 | 753.2936 | 6 | 753.5406 | 11 | 753.6508 | | |
| 2 | 753.2036 | 7 | 753.6306 | 12 | 753.6408 | | |
| 3 | 753.3236 | 8 | 753.5406 | 13 | 753.6508 | | |
| 4 | 753.2336 | 9 | 753.5406 | | | | |
| 5 | 753.6306 | 10 | 753.6408 | | | | |



SOUTHWEST CORNER ISLAND
IL 56 (BUTTERFIELD RD.) AND S. PARK BLVD.

| ADA RAMP ELEVATION TABLE | | | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|--|--|
| POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | POINT NO.: | ELEVATION | | |
| 1 | 755.208 | 6 | 755.4886 | 11 | 755.478 | | |
| 2 | 755.1309 | 7 | 755.4014 | 12 | 755.5052 | | |
| 3 | 755.238 | 8 | 755.3714 | | | | |
| 4 | 755.1309 | 9 | 755.431 | | | | |
| 5 | 755.1609 | 10 | 755.461 | | | | |

REFERENCE BENCHMARK ELEV 756.135

BENCHMARK : SQUARE CUT ON THE SW CORNER OF TCB AT SE CORNER OF
IL 56 & PARK BLVD

LEGEND

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

| | | | |
|--|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
| pwz\IL084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT_Offices\District 1\Projects\159911\CADData\Design\DRAWN 1-shit-plan.dgn | | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL 56 (BUTTERFIELD RD.) AT S. PARK AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 34 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TRAFFIC SIGNAL LEGEND

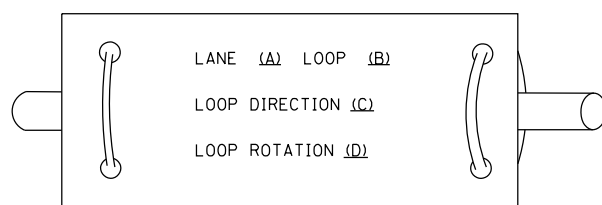
(NOT TO SCALE)

| ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED |
|---|----------|----------|--|----------|----------|---|----------|----------|
| CONTROLLER CABINET | | | HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD | | |
| COMMUNICATION CABINET | | | HEAVY DUTY HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE | | |
| MASTER CONTROLLER | | | DOUBLE HANDHOLE | | | PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS | | |
| MASTER MASTER CONTROLLER | | | JUNCTION BOX | | | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER | | |
| UNINTERRUPTABLE POWER SUPPLY | | | RAILROAD CANTILEVER MAST ARM | | | ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN" | | |
| SERVICE INSTALLATION -(P) POLE MOUNTED | | | RAILROAD FLASHING SIGNAL | | | NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED | | |
| SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED | | | RAILROAD CROSSING GATE | | | GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN) | | |
| TELEPHONE CONNECTION | | | RAILROAD CROSSBUCK | | | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C | | |
| STEEL MAST ARM ASSEMBLY AND POLE | | | RAILROAD CONTROLLER CABINET | | | COAXIAL CABLE | | |
| ALUMINUM MAST ARM ASSEMBLY AND POLE | | | UNDERGROUND CONDUIT (UC), GALVANIZED STEEL | | | VENDOR CABLE | | |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE | | | COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED | | |
| SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY | | | SYSTEM ITEM | | | FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F | | |
| WOOD POLE | | | INTERSECTION ITEM | | | GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE | | |
| GUY WIRE | | | REMOVE ITEM | | | | | |
| SIGNAL HEAD | | | RELOCATE ITEM | | | | | |
| SIGNAL HEAD WITH BACKPLATE | | | ABANDON ITEM | | | | | |
| SIGNAL HEAD OPTICALLY PROGRAMMED | | | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED | | | | | |
| FLASHER INSTALLATION -(FS) SOLAR POWERED | | | MAST ARM POLE AND FOUNDATION TO BE REMOVED | | | | | |
| PEDESTRIAN SIGNAL HEAD | | | SIGNAL POST AND FOUNDATION TO BE REMOVED | | | | | |
| PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON | | | DETECTOR LOOP, TYPE I | | | | | |
| RADAR DETECTION SENSOR | | | PREFORMED DETECTOR LOOP | | | | | |
| VIDEO DETECTION CAMERA | | | SAMPLING (SYSTEM) DETECTOR | | | | | |
| RADAR/VIDEO DETECTION ZONE | | | INTERSECTION AND SAMPLING (SYSTEM) DETECTOR | | | | | |
| PAN, TILT, ZOOM (PTZ) CAMERA | | | QUEUE AND SAMPLING (SYSTEM) DETECTOR | | | | | |
| EMERGENCY VEHICLE LIGHT DETECTOR | | | WIRELESS DETECTOR SENSOR | | | | | |
| CONFIRMATION BEACON | | | WIRELESS ACCESS POINT | | | | | |
| WIRELESS INTERCONNECT | | | | | | | | |
| WIRELESS INTERCONNECT RADIO REPEATER | | | | | | | | |

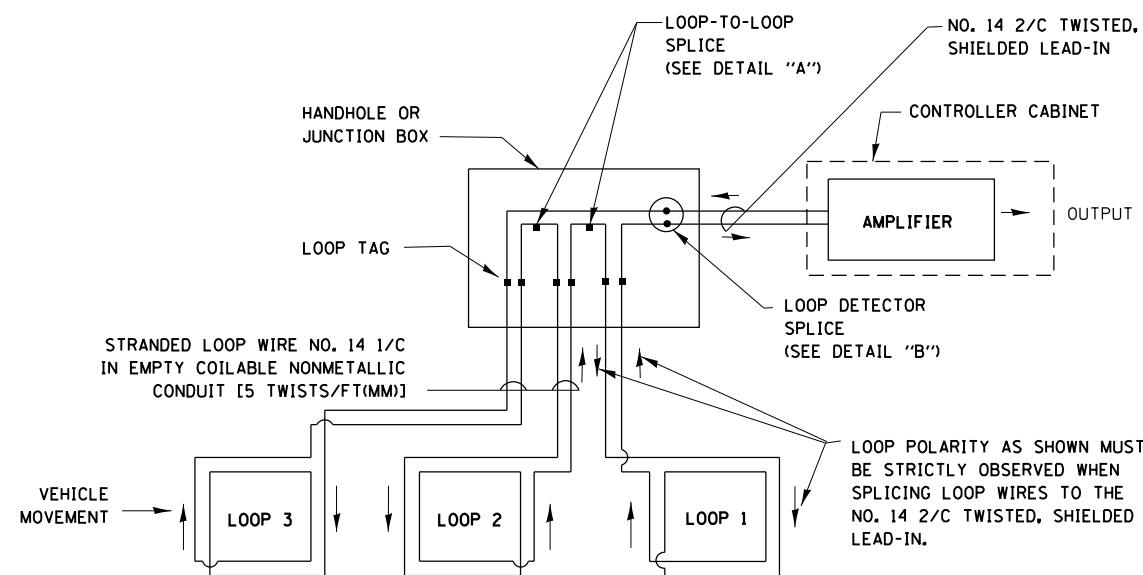
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

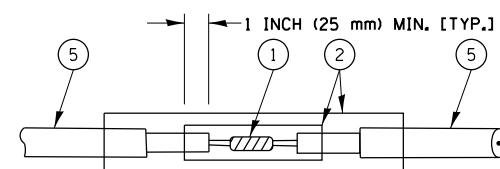


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

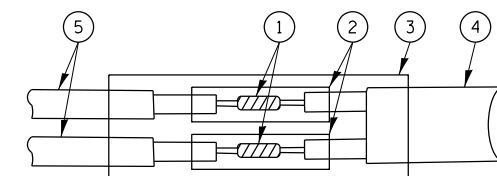


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

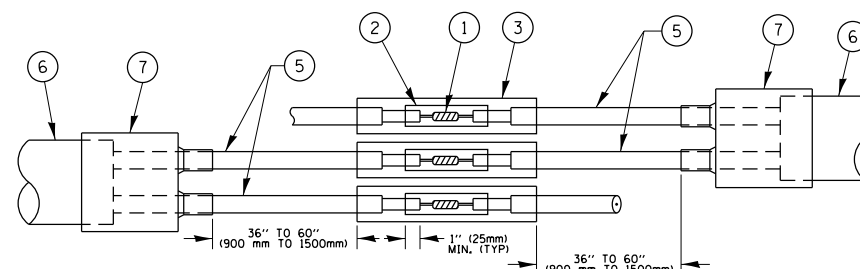


DETAIL "A"
LOOP-TO-LOOP SPLICE

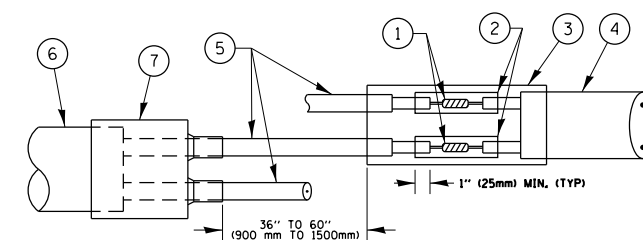


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

| | | | |
|---|------------------------|------------|-----------|
| FILE NAME = | USER NAME = ldezmarm | DESIGNED - | REVISED - |
| p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DIS19\DRAWING\Design\DistStd.dgn | | CHECKED - | REVISED - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

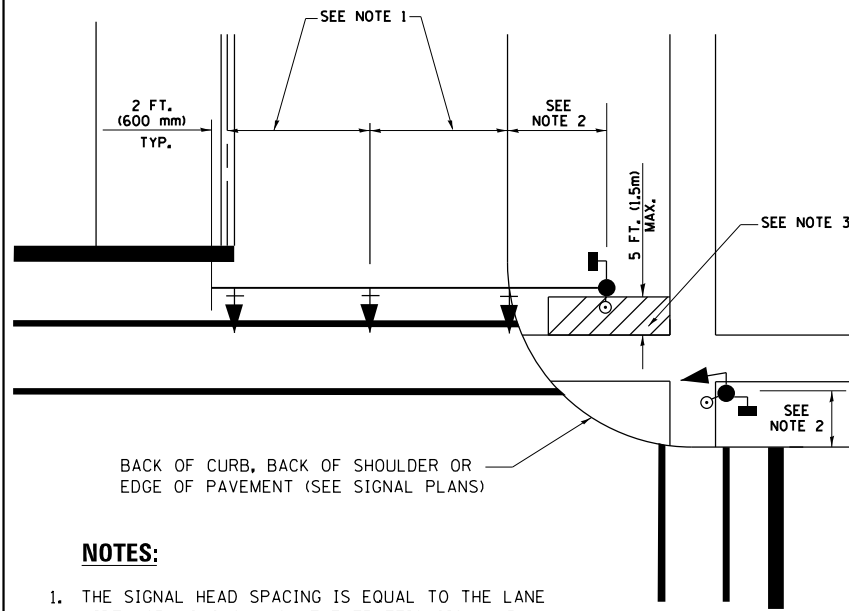
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 36 |
| TS-05 | | CONTRACT NO. 60P68 | | |
| ILLINOIS FED. AID PROJECT | | | | |

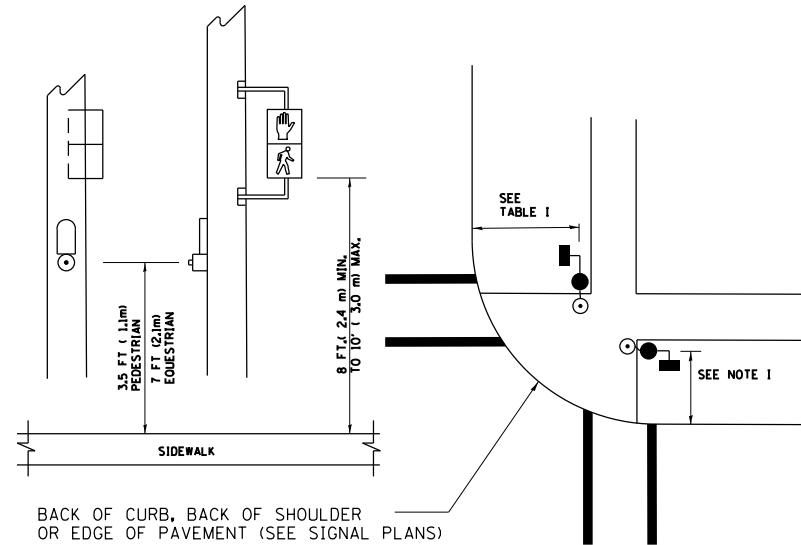
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

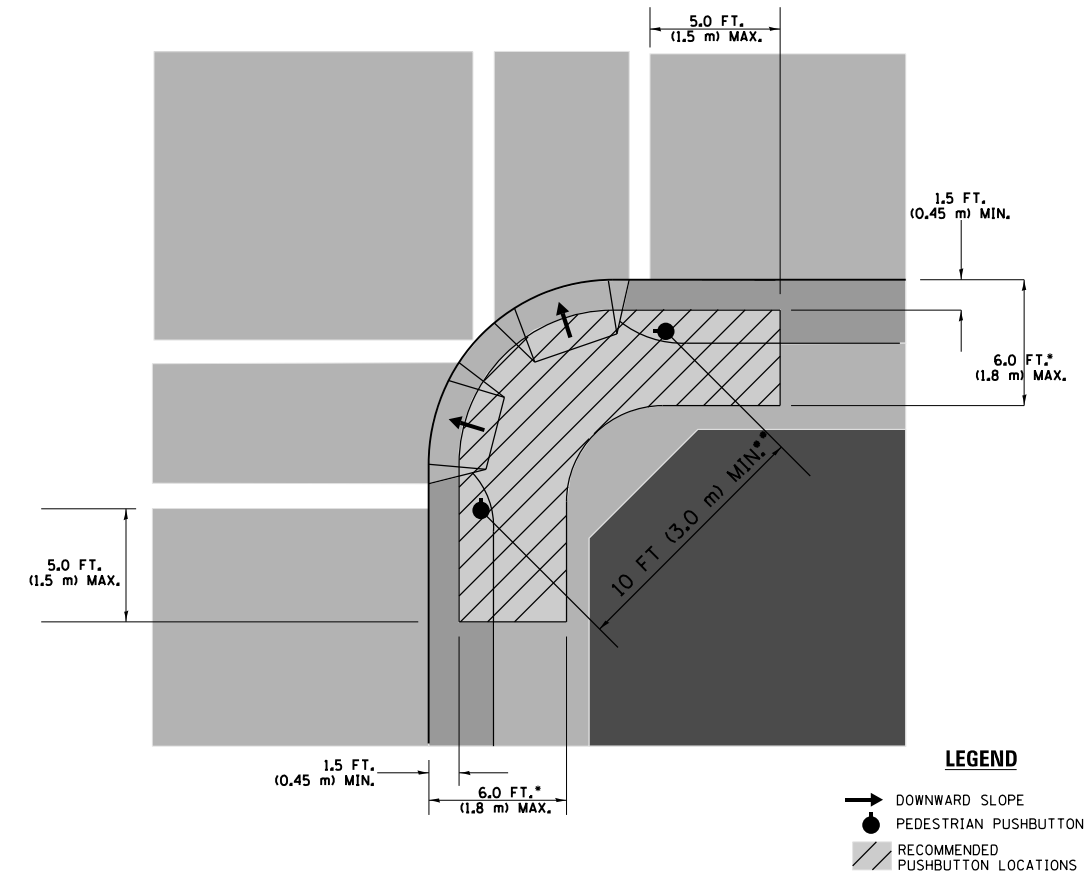
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

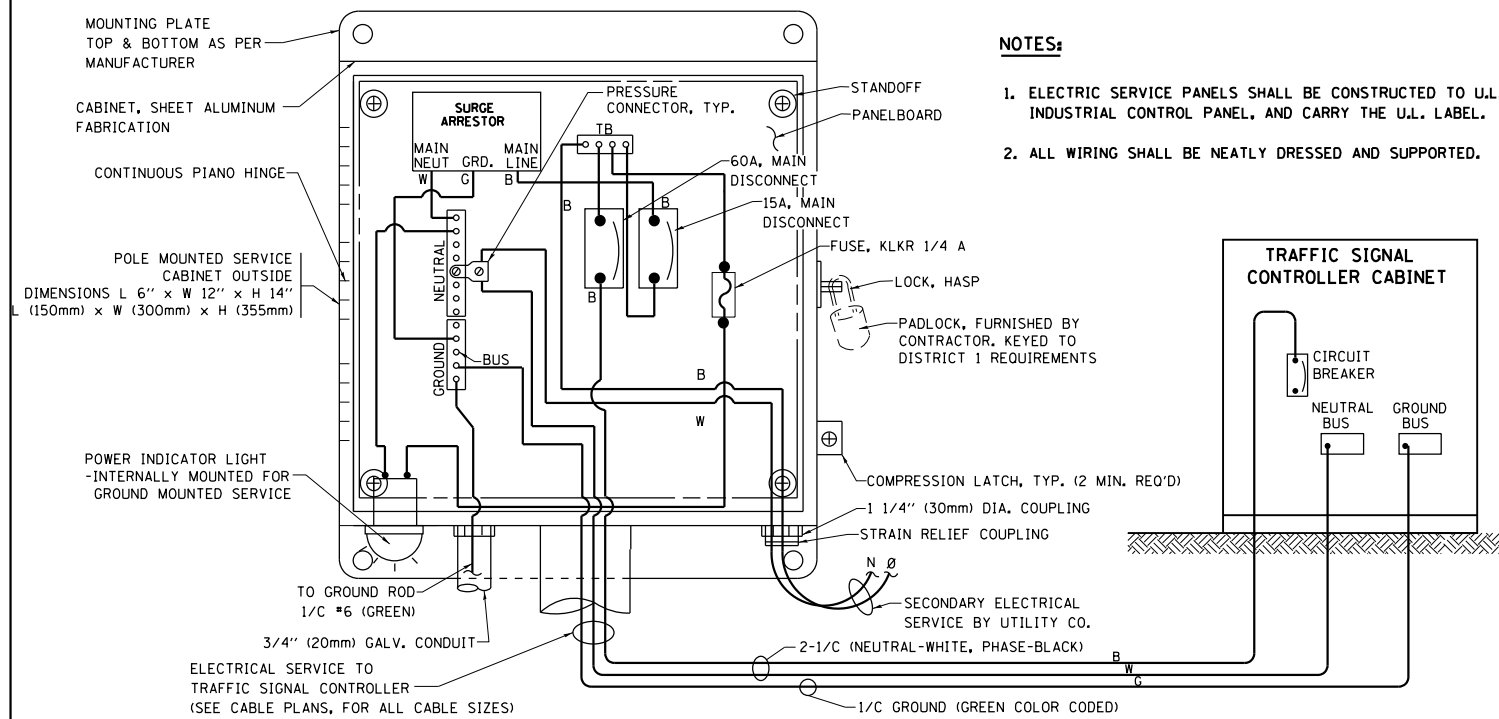
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

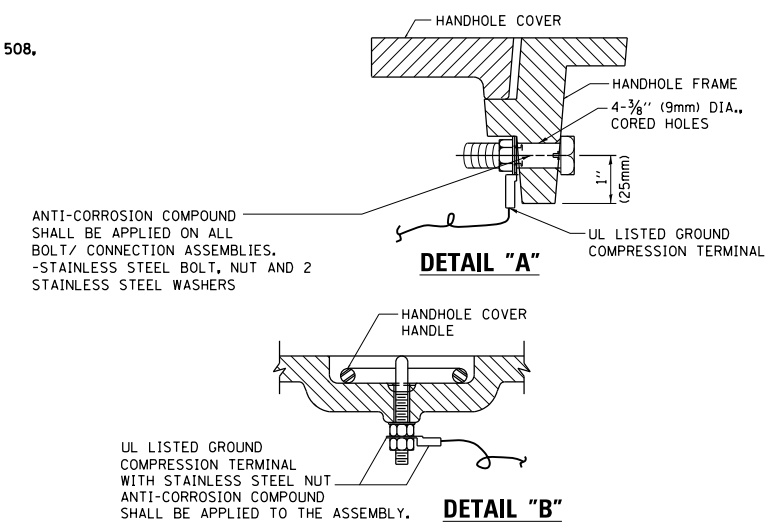
| TRAFFIC SIGNAL EQUIPMENT | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|------------------------------------|---|---|
| TRAFFIC SIGNAL MAST ARM POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TRAFFIC SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN PUSHBUTTON POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TEMPORARY WOOD POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| CONTROLLER CABINET | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |
| SERVICE INSTALLATION, GROUND MOUNT | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

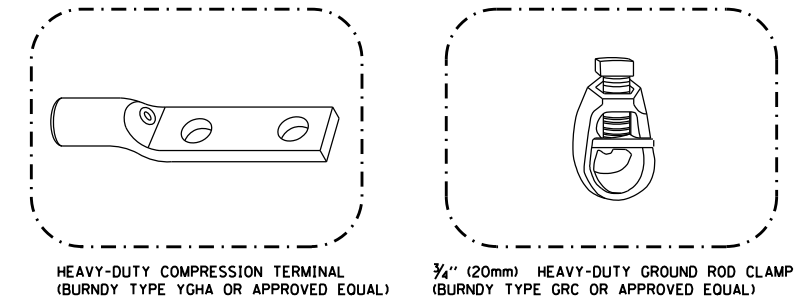
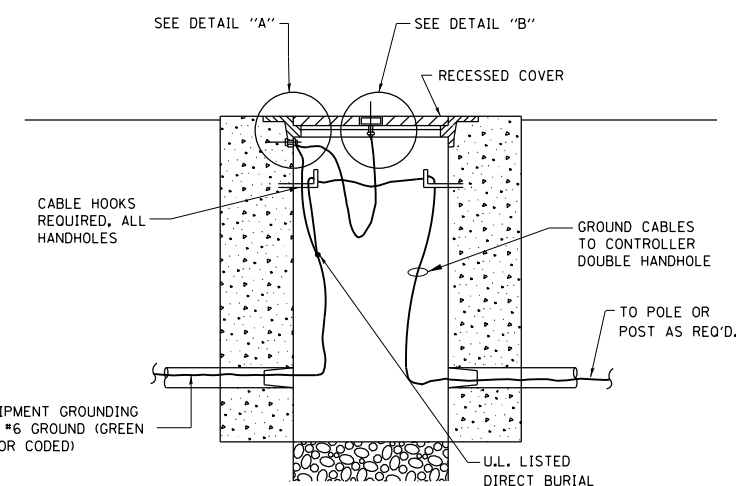


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

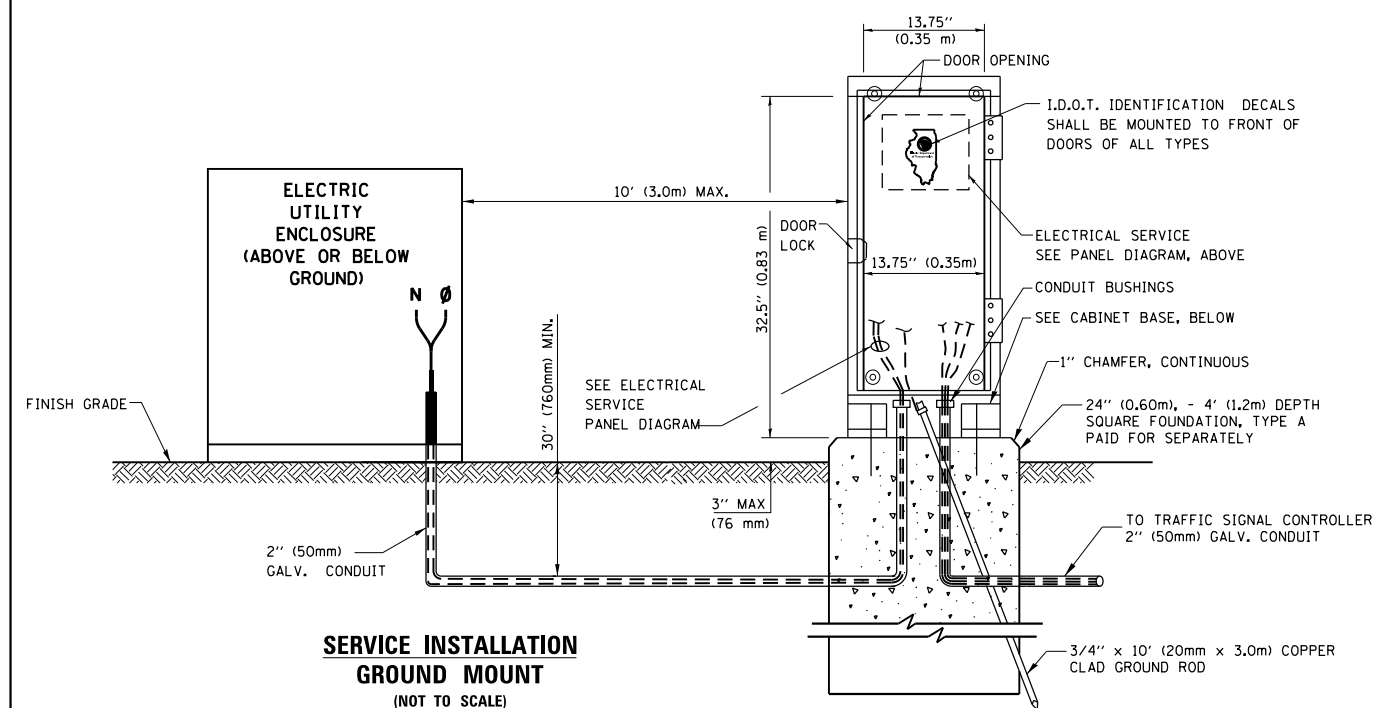
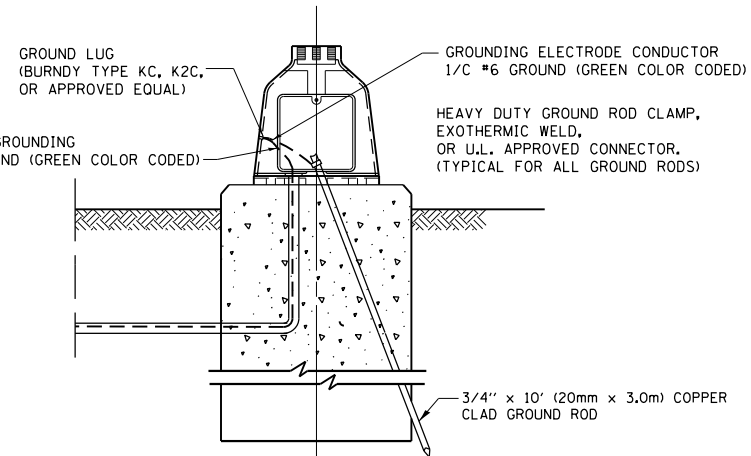
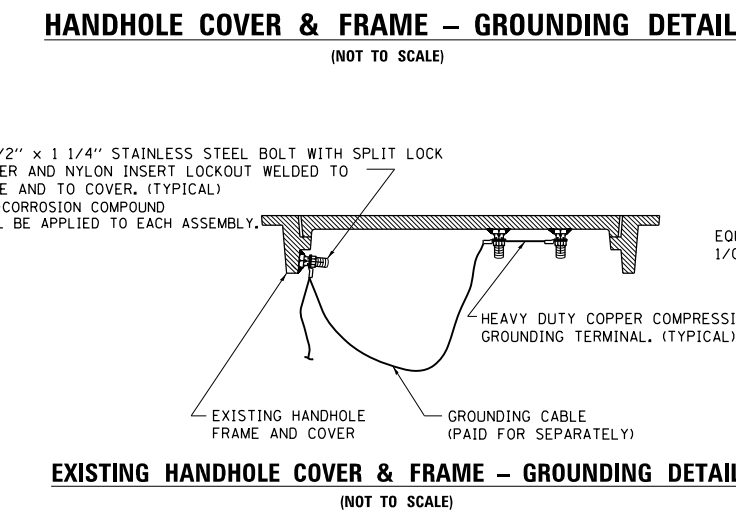


NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

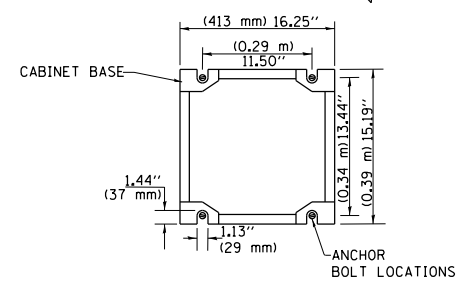


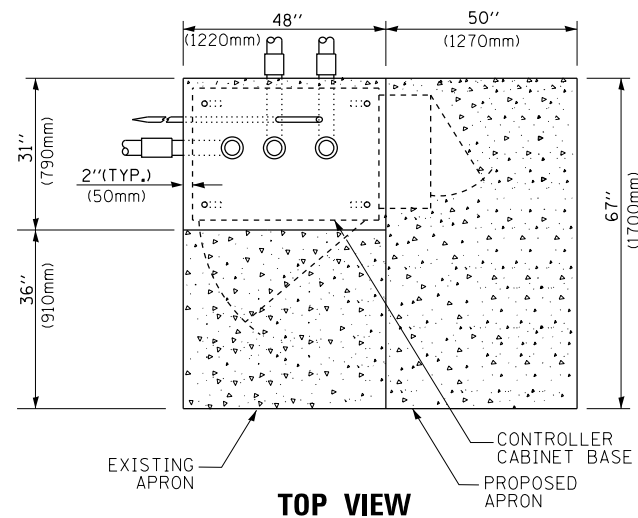
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



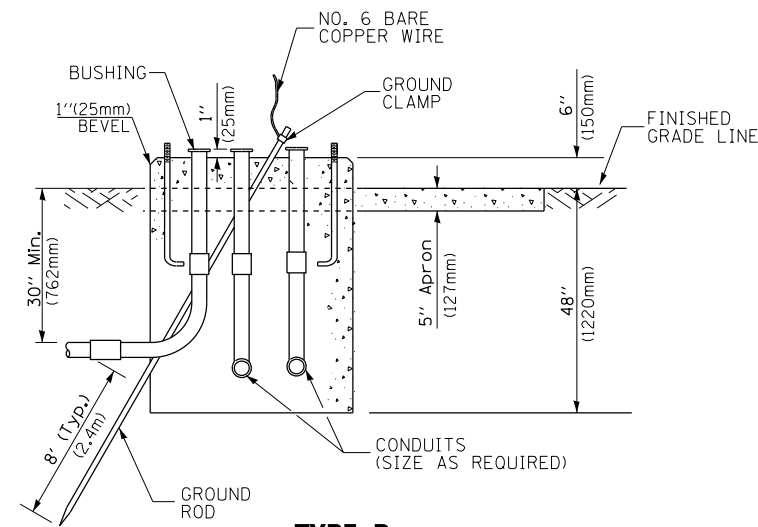
SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)

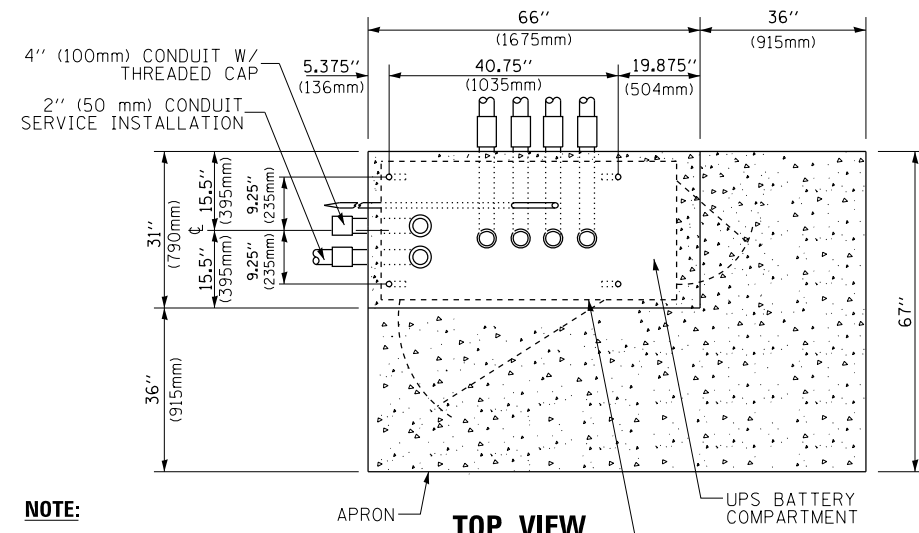




TOP VIEW

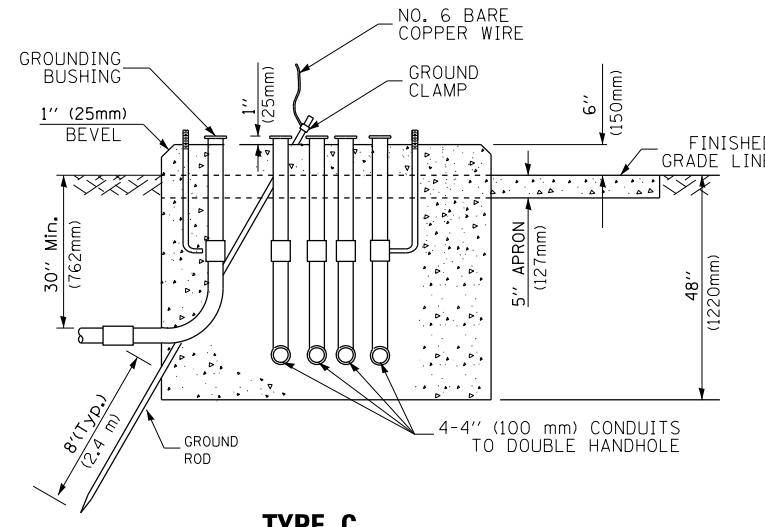


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

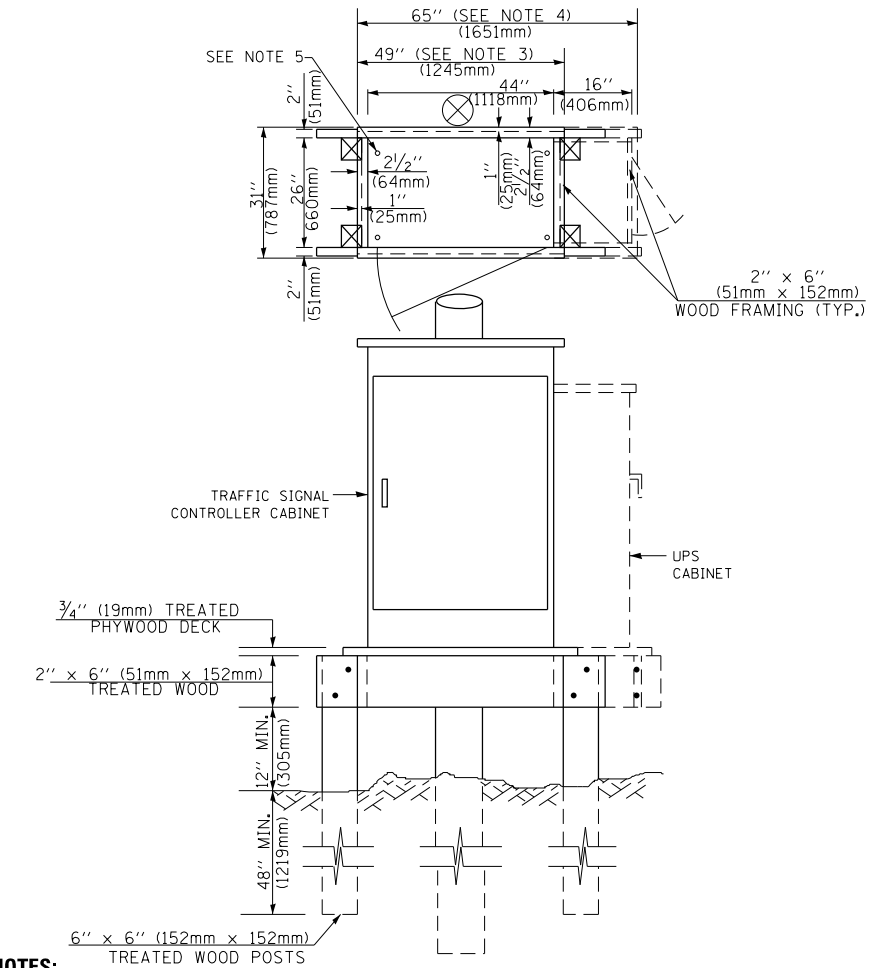


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

| CABLE SLACK LENGTH | FEET | METER |
|---|------|-------|
| HANDHOLE | 6.5 | 2.0 |
| DOUBLE HANDHOLE | 13.0 | 4.0 |
| SIGNAL POST | 2.0 | 0.6 |
| MAST ARM | 2.0 | 0.6 |
| CONTROLLER CABINET | 1.5 | 0.5 |
| FIBER OPTIC AT CABINET | 13.0 | 4.0 |
| ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) | 1.5 | 0.5 |
| GROUND CABLE (SIGNAL POST, MAST ARM, CABINET) | 1.5 | 0.5 |
| GROUND CABLE (BETWEEN FRAME AND COVER) | 5.0 | 1.6 |

CABLE SLACK

| VERTICAL CABLE LENGTH | FEET | METER |
|--|--------|-------|
| MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) | 20.0+L | 6.0+L |
| BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE) | 13.0 | 4.0 |
| PEDESTRIAN PUSH BUTTON | 6.0 | 2.0 |
| SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP | 13.5 | 4.1 |
| SERVICE INSTALLATION POLE MOUNT TO GROUND | 13.5 | 4.1 |
| SERVICE INSTALLATION GROUND MOUNT | 6.0 | 2.0 |
| FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT) | 3.0 | 1.0 |

VERTICAL CABLE LENGTH

| FOUNDATION | DEPTH |
|---|--------------|
| TYPE A - Signal Post | 4'-0" (1.2m) |
| TYPE C - CONTROLLER W/ UPS | 4'-0" (1.2m) |
| TYPE D - CONTROLLER | 4'-0" (1.2m) |
| SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE | 4'-0" (1.2m) |

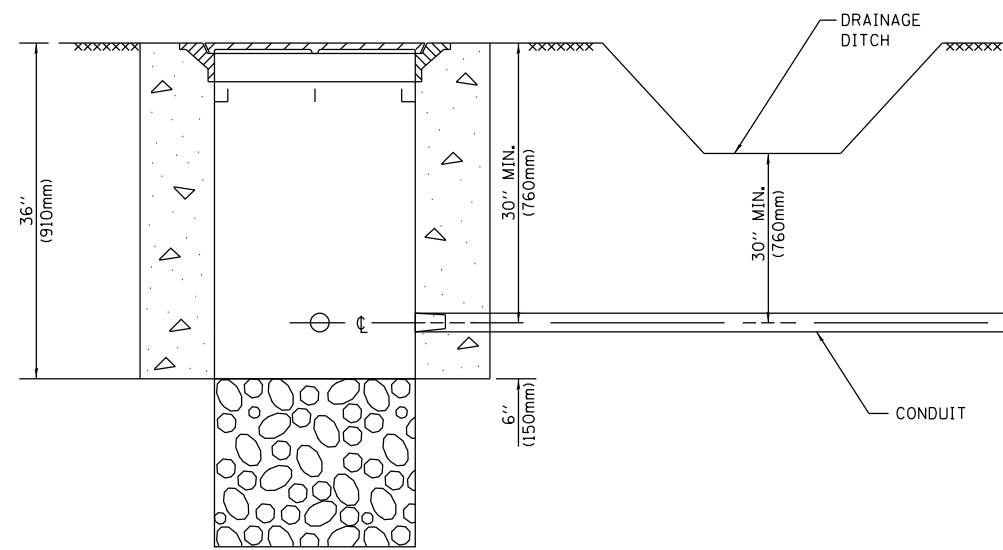
DEPTH OF FOUNDATION

| MAST ARM LENGTH | ① FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|--------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m) | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m) | 13'-6" (4.1 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 11'-0" (3.4 m) | 36" (900mm) | 24" (600mm) | 12 | 7(22) |
| Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m) | 13'-0" (4.0 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m) | 15'-0" (4.6 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m) | 21'-0" (6.4 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |
| Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m) | 25'-0" (7.6 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

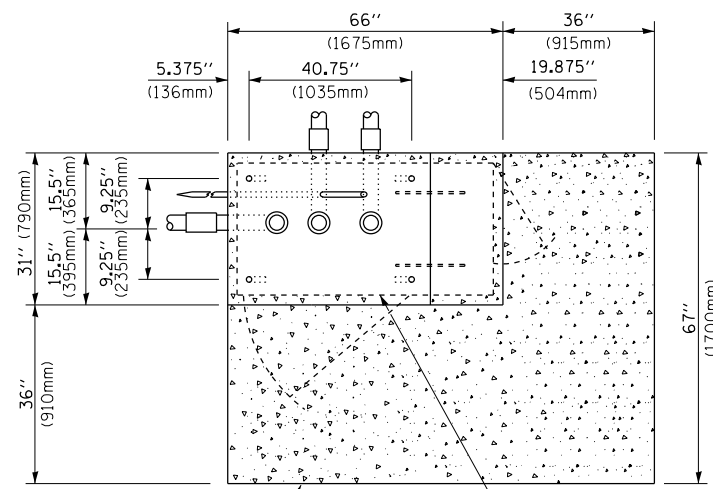
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



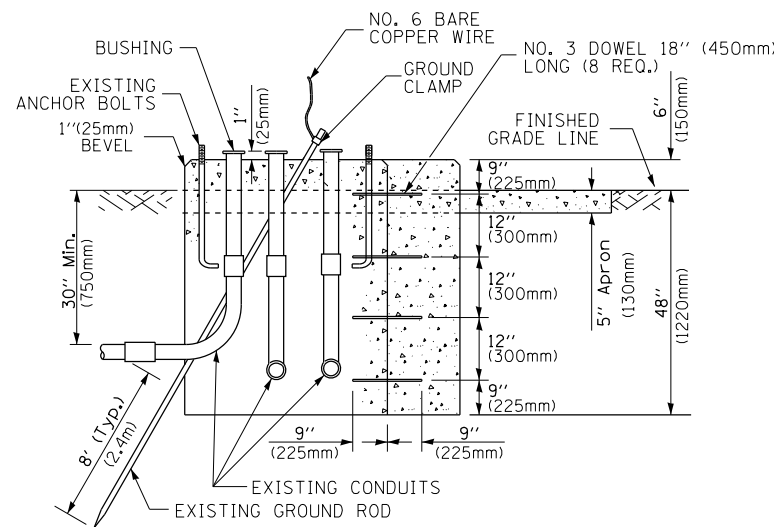
NOTES:

- CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

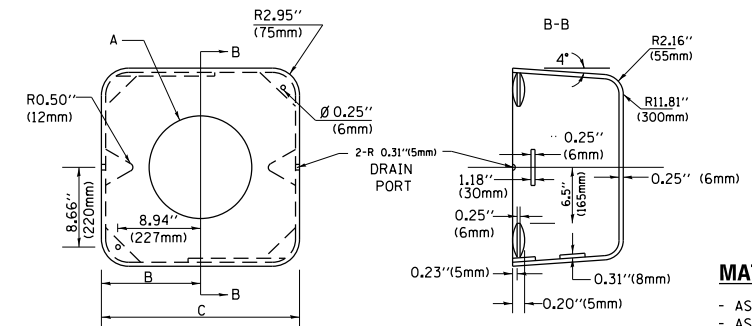
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

| A | B | C | HEIGHT | WEIGHT |
|-----------|----------------|---------------|--------------------------|-----------------|
| VARIABLES | 9.5" (241mm) | 19" (483mm) | 7" (178mm) - 12" (300mm) | 53 lbs (24kg) |
| VARIABLES | 10.75" (273mm) | 21.5" (546mm) | 7" (178mm) - 12" (300mm) | 68 lbs (31 kg) |
| VARIABLES | 13.0" (330mm) | 26" (660mm) | 7" (178mm) - 12" (300mm) | 81 lbs (37 kg) |
| VARIABLES | 18.5" (470mm) | 37" (940mm) | 7" (178mm) - 12" (300mm) | 126 lbs (57 kg) |

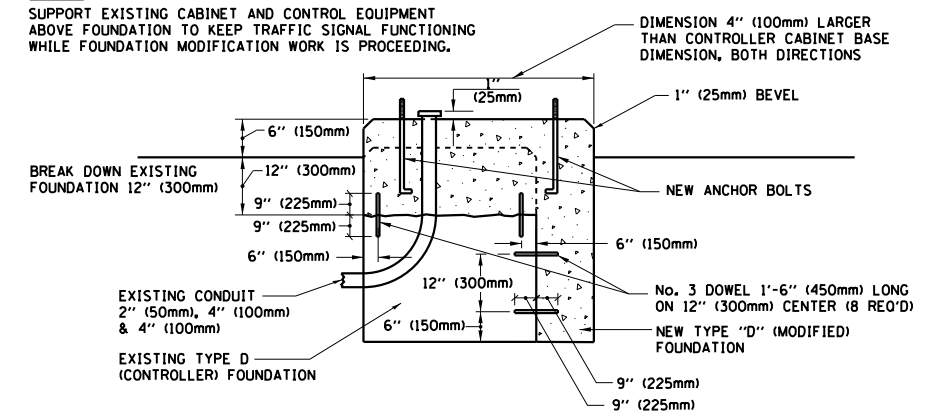
SHROUD

NOTES:

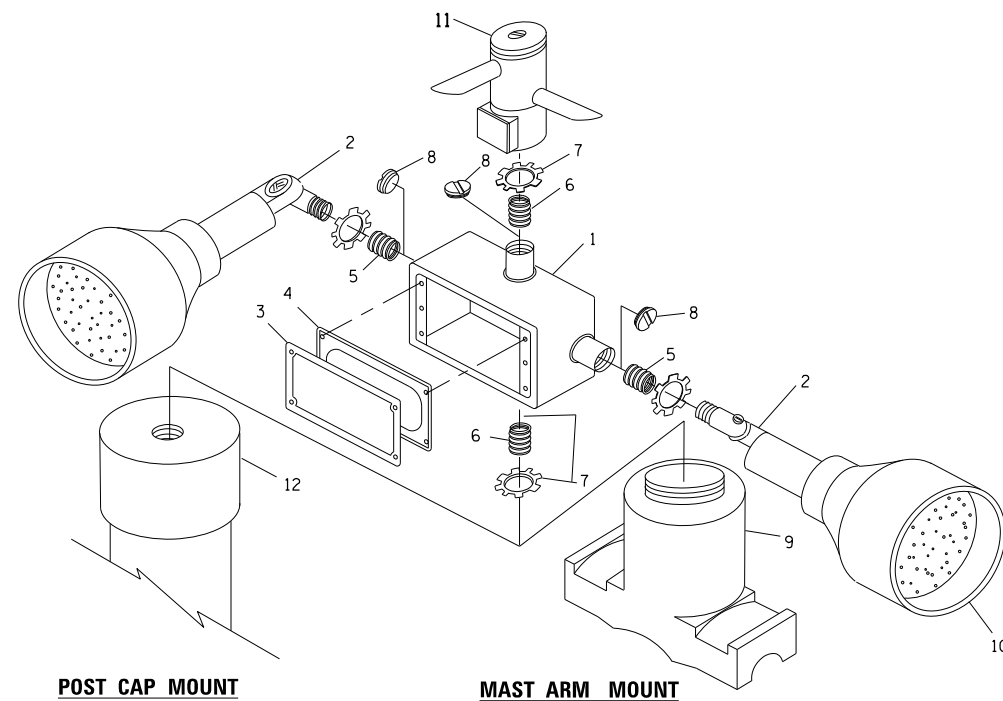
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

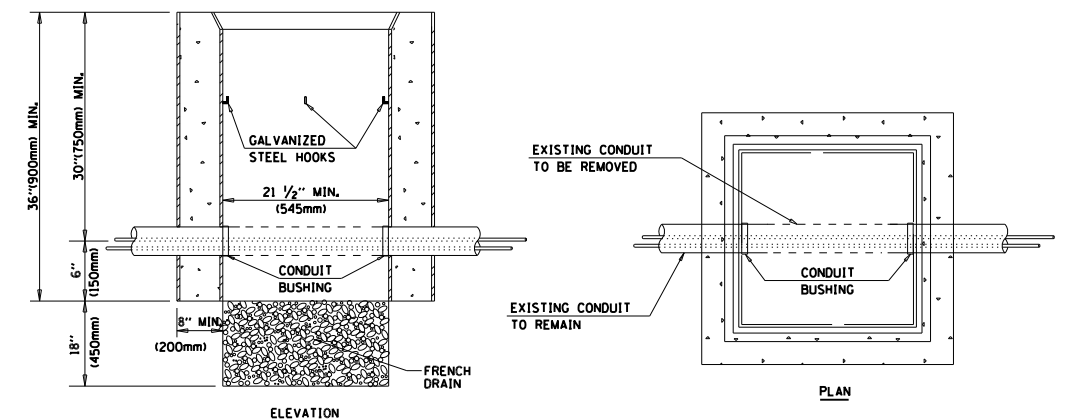


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

| ITEM NO. | IDENTIFICATION |
|----------|---|
| 1 | OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M) |
| 2 | LAMP HOLDER AND COVER |
| 3 | OUTLET BOX COVER |
| 4 | RUBBER COVER GASKET |
| 5 | REDUCING BUSHING |
| 6 | 3/4" (19 mm) CLOSE NIPPLE |
| 7 | 3/4" (19 mm) LOCKNUT |
| 8 | 3/4" (19 mm) HOLE PLUG |
| 9 | SADDLE BRACKET - GALV. |
| 10 | 6 WATT PAR 38 LED FLOOD LAMP |
| 11 | DETECTOR UNIT |
| 12 | POST CAP [18 FT. (5.4 m) POST MIN.] |

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

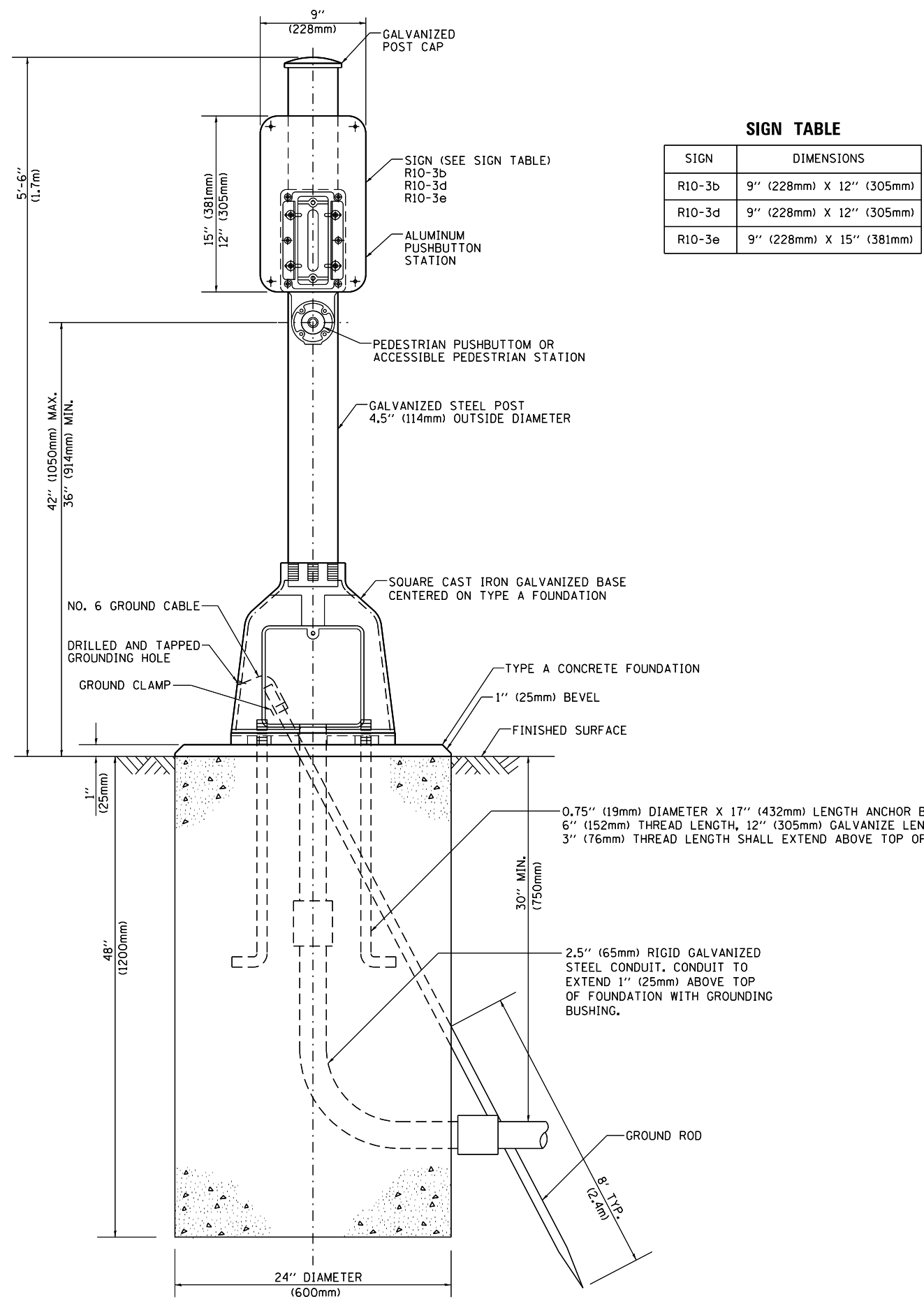
| | | | |
|--|------------------------|------------|-----------|
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| p:\11084EBID\INTEG\11inois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DIS\99\Drawings\Design\DistStd.dgn | | CHECKED - | REVISED - |
| Default | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

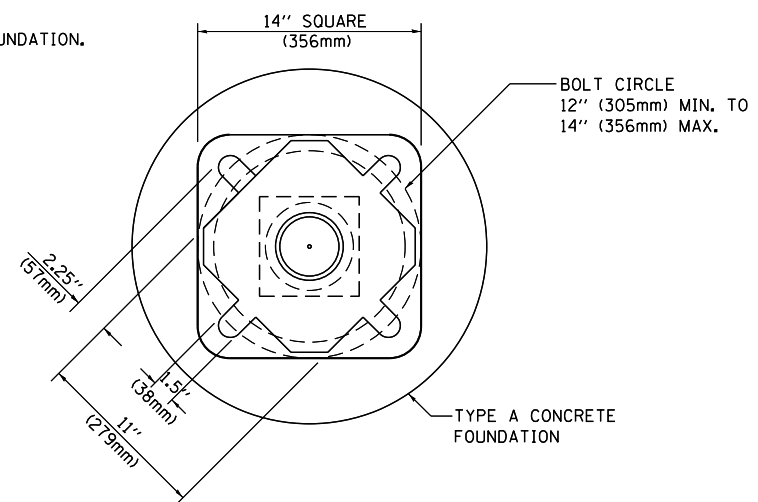
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 40 |
| TS-05 | | CONTRACT NO. 60P68 | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIGN TABLE

| SIGN | DIMENSIONS |
|--------|--------------------------|
| R10-3b | 9" (228mm) X 12" (305mm) |
| R10-3d | 9" (228mm) X 12" (305mm) |
| R10-3e | 9" (228mm) X 15" (381mm) |



BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A

| | | | |
|--|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DIS\DRAWING\Design\DistStd.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / 1" | CHECKED - | REVISED - |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - |

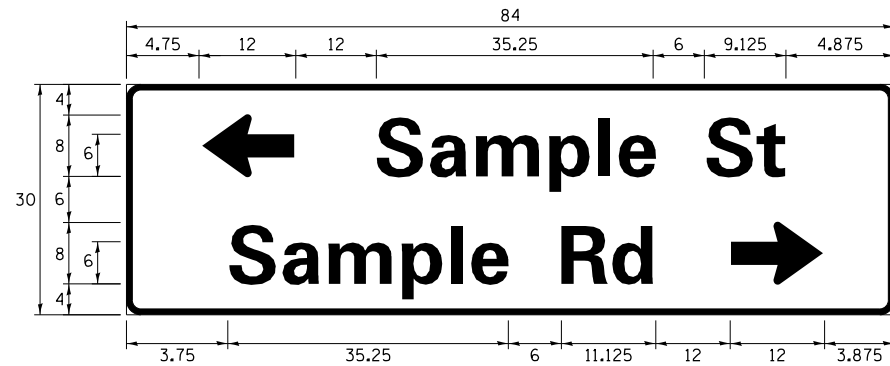
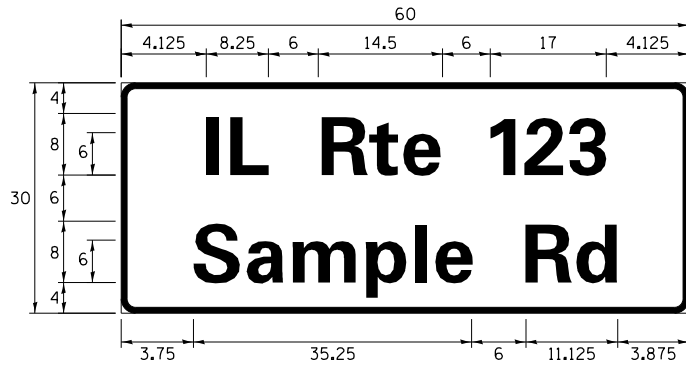
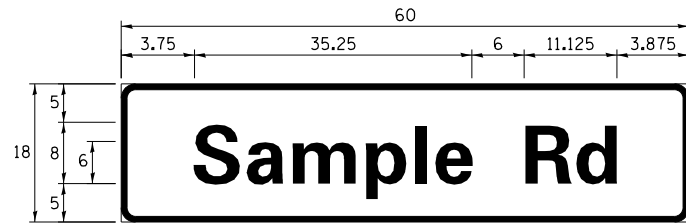
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 41 |
| TS-05 | | | CONTRACT NO. 60P68 | |
| ILLINOIS FED. AID PROJECT | | | | |

SIGN PANEL – TYPE 1 OR TYPE 2



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|---------------|-----------------|---------------|---------------|
| D OR C | - | 1 OR 2 | ZZ | - |

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

| NAME | ABBREVIATION | WIDTH (INCH) | |
|---------------|--------------|---------------|------------|
| | | SERIES "C" | SERIES "D" |
| AVENUE | Ave | 15.000 | 18.250 |
| BOULEVARD | Blvd | 17.125 | 20.000 |
| CIRCLE | Cir | 11.125 | 13.000 |
| COURT | Ct | 8.250 | 9.625 |
| DRIVE | Dr | 8.625 | 10.125 |
| HIGHWAY | Hwy | 18.375 | 22.000 |
| ILLINOIS | IL | 7.000 | 8.250 |
| LANE | Ln | 9.125 | 10.750 |
| PARKWAY | Pkwy | 23.375 | 27.375 |
| PLACE | Pl | 7.125 | 7.750 |
| ROAD | Rd | 9.625 | 11.125 |
| ROUTE | Rte | 12.625 | 14.500 |
| STREET | St | 8.000 | 9.125 |
| TERRACE | Ter | 12.625 | 14.625 |
| TRAIL | Tr | 7.750 | 9.125 |
| UNITED STATES | US | 10.375 | 12.250 |

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

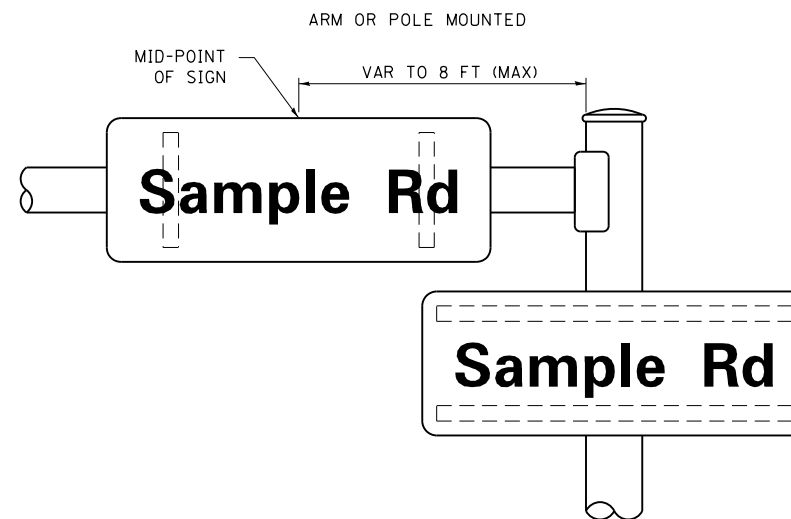
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

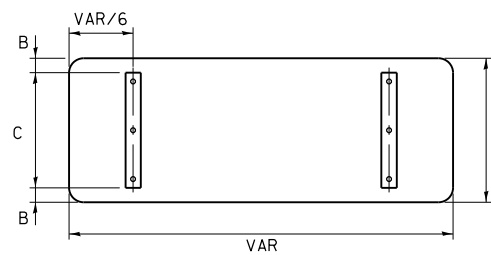
- SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART *HPN034 (UNIVERSAL)
- BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

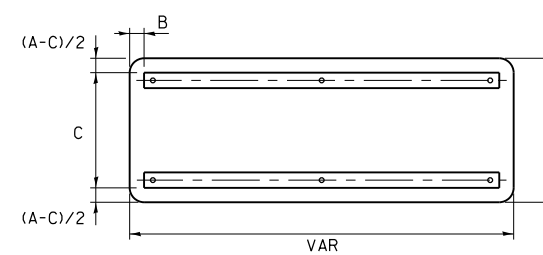
MOUNTING LOCATION



SUPPORTING CHANNELS



| A | B | C |
|-----|----|-----|
| 18" | 2" | 14" |
| 30" | 2" | 24" |



| A | B | C |
|-----|----|-----|
| 18" | 2" | 12" |
| 30" | 2" | 22" |

STANDARD ALPHABETS SPACING CHART

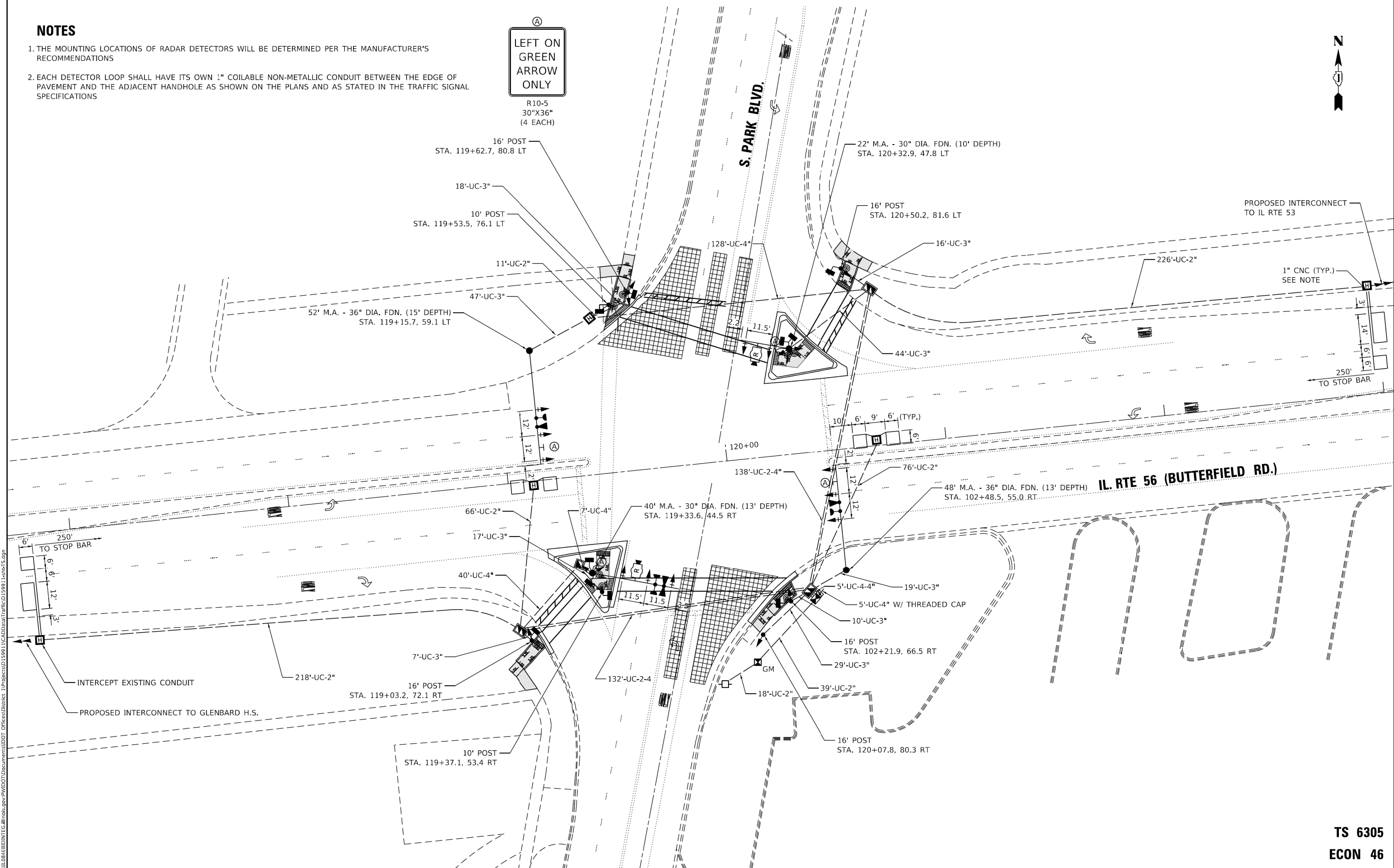
(8") UPPER CASE AND (6") LOWER CASE

| CHARACTER | FHWA SERIES "C" | | | FHWA SERIES "D" | | | |
|-----------|----------------------|---------------|-----------------------|-----------------|----------------------|---------------|-----------------------|
| | LEFT SPACING (INCH) | WIDTH (INCH) | RIGHT SPACING (INCH) | CHARACTER | LEFT SPACING (INCH) | WIDTH (INCH) | RIGHT SPACING (INCH) |
| A | 0.240 | 5.122 | 0.240 | A | 0.240 | 6.804 | 0.240 |
| B | 0.880 | 4.482 | 0.480 | B | 0.960 | 5.446 | 0.400 |
| C | 0.720 | 4.482 | 0.720 | C | 0.800 | 5.446 | 0.800 |
| D | 0.880 | 4.482 | 0.720 | D | 0.960 | 5.446 | 0.800 |
| E | 0.880 | 4.082 | 0.480 | E | 0.960 | 4.962 | 0.400 |
| F | 0.880 | 4.082 | 0.240 | F | 0.960 | 4.962 | 0.240 |
| G | 0.720 | 4.482 | 0.720 | G | 0.800 | 5.446 | 0.800 |
| H | 0.880 | 4.482 | 0.880 | H | 0.960 | 5.446 | 0.960 |
| I | 0.880 | 1.120 | 0.880 | I | 0.960 | 1.280 | 0.960 |
| J | 0.240 | 4.082 | 0.880 | J | 0.240 | 5.122 | 0.960 |
| K | 0.880 | 4.482 | 0.480 | K | 0.960 | 5.604 | 0.400 |
| L | 0.880 | 4.082 | 0.240 | L | 0.960 | 4.962 | 0.240 |
| M | 0.880 | 5.284 | 0.880 | M | 0.960 | 6.244 | 0.960 |
| N | 0.880 | 4.482 | 0.880 | N | 0.960 | 5.446 | 0.960 |
| O | 0.720 | 4.722 | 0.720 | O | 0.800 | 5.684 | 0.800 |
| P | 0.880 | 4.482 | 0.720 | P | 0.960 | 5.446 | 0.240 |
| Q | 0.720 | 4.722 | 0.720 | Q | 0.800 | 5.684 | 0.800 |
| R | 0.880 | 4.482 | 0.480 | R | 0.960 | 5.446 | 0.400 |
| S | 0.480 | 4.482 | 0.480 | S | 0.400 | 5.446 | 0.400 |
| T | 0.240 | 4.082 | 0.240 | T | 0.240 | 4.962 | 0.240 |
| U | 0.880 | 4.482 | 0.880 | U | 0.960 | 5.446 | 0.960 |
| V | 0.240 | 4.962 | 0.240 | V | 0.240 | 6.084 | 0.240 |
| W | 0.240 | 6.084 | 0.240 | W | 0.240 | 7.124 | 0.240 |
| X | 0.240 | 4.722 | 0.240 | X | 0.400 | 5.446 | 0.400 |
| Y | 0.240 | 5.122 | 0.240 | Y | 0.240 | 6.884 | 0.240 |
| Z | 0.480 | 4.482 | 0.480 | Z | 0.400 | 5.446 | 0.400 |
| a | 0.320 | 3.842 | 0.640 | a | 0.400 | 4.562 | 0.720 |
| b | 0.720 | 4.082 | 0.480 | b | 0.800 | 4.802 | 0.480 |
| c | 0.480 | 4.002 | 0.240 | c | 0.480 | 4.722 | 0.240 |
| d | 0.480 | 4.082 | 0.720 | d | 0.480 | 4.802 | 0.800 |
| e | 0.480 | 4.082 | 0.320 | e | 0.480 | 4.722 | 0.320 |
| f | 0.320 | 2.480 | 0.160 | f | 0.320 | 2.882 | 0.160 |
| g | 0.480 | 4.082 | 0.720 | g | 0.480 | 4.802 | 0.800 |
| h | 0.720 | 4.082 | 0.640 | h | 0.800 | 4.722 | 0.720 |
| i | 0.720 | 1.120 | 0.720 | i | 0.800 | 1.280 | 0.800 |
| j | 0.000 | 2.320 | 0.720 | j | 0.000 | 2.642 | 0.800 |
| k | 0.720 | 4.322 | 0.160 | k | 0.800 | 5.122 | 0.160 |
| l | 0.720 | 1.120 | 0.720 | l | 0.800 | 1.280 | 0.800 |
| m | 0.720 | 6.724 | 0.640 | m | 0.800 | 7.926 | 0.720 |
| n | 0.720 | 4.082 | 0.640 | n | 0.800 | 4.722 | 0.720 |
| o | 0.480 | 4.082 | 0.480 | o | 0.480 | 4.882 | 0.480 |
| p | 0.720 | 4.082 | 0.480 | p | 0.800 | 4.802 | 0.480 |
| q | 0.480 | 4.082 | 0.720 | q | 0.480 | 4.802 | 0.800 |
| r | 0.720 | 2.642 | 0.160 | r | 0.800 | 3.042 | 0.160 |
| s | 0.320 | 3.362 | 0.240 | s | 0.320 | 3.762 | 0.240 |
| t | 0.080 | 2.882 | 0.080 | t | 0.080 | 3.202 | 0.080 |
| u | 0.640 | 4.082 | 0.720 | u | 0.720 | 4.722 | 0.800 |
| v | 0.160 | 4.722 | 0.160 | v | 0.160 | 5.684 | 0.160 |
| w | 0.160 | 7.524 | 0.160 | w | 0.160 | 9.046 | 0.160 |
| x | 0.000 | 5.202 | 0.000 | x | 0.000 | 6.244 | 0.000 |
| y | 0.160 | 4.962 | 0.160 | y | 0.160 | 6.004 | 0.160 |
| z | 0.240 | 3.362 | 0.240 | z | 0.240 | 4.002 | 0.240 |
| 1 | 0.720 | 1.680 | 0.880 | 1 | 0.800 | 2.000 | 0.960 |
| 2 | 0.480 | 4.482 | 0.480 | 2 | 0.800 | 5.446 | 0.800 |
| 3 | 0.480 | 4.482 | 0.480 | 3 | 1.440 | 5.446 | 0.800 |
| 4 | 0.240 | 4.962 | 0.720 | 4 | 0.160 | 6.004 | 0.960 |
| 5 | 0.480 | 4.482 | 0.480 | 5 | 0.800 | 5.446 | 0.800 |
| 6 | 0.720 | 4.482 | 0.720 | 6 | 0.800 | 5.446 | 0.800 |
| 7 | 0.240 | 4.482 | 0.720 | 7 | 0.560 | 5.446 | 0.560 |
| 8 | 0.480 | 4.482 | 0.480 | 8 | 0.800 | 5.446 | 0.800 |
| 9 | 0.480 | 4.482 | 0.480 | 9 | 0.800 | 5.446 | 0.800 |
| 0 | 0.720 | 4.722 | 0.720 | 0 | 0.800 | 5.684 | 0.800 |
| - | 0.240 | 2.802 | 0.240 | - | 0.240 | 2.802 | 0.240 |

NOTES

1. THE MOUNTING LOCATIONS OF RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS

**LEFT ON GREEN
ARROW
ONLY**
 R10-5
 30"X36"
 (4 EACH)



TS SHT NO. 13

MODEL: Default
 FILE NAME: p:\a\11\048\BID\NTEC\Illinois.gov\PWIDOT\Documents\DOT_Offices\District 1\Projects\11\048\BID\NTEC\Traffic\11\048\TS.dgn

**TS 6305
ECON 46**

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = rostkawskir | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

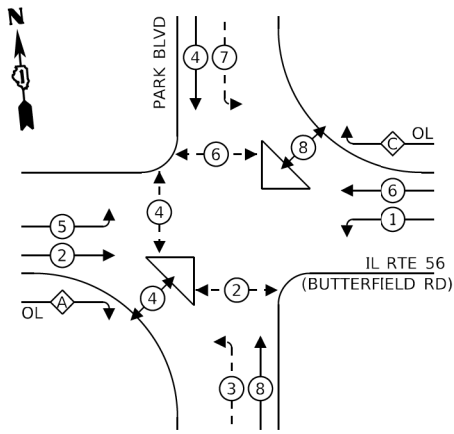
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

| | | | | |
|---------------------------|-----------------|--------|--------------------|--------------|
| F.A.P. RTE. 365 | SECTION 57-RS-3 | COUNTY | TOTAL SHEETS 67 | SHEET NO. 43 |
| | | DUPAGE | CONTRACT NO. 60P68 | |
| ILLINOIS FED. AID PROJECT | | | | |

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. - TO STA. -

PROPOSED CONTROLLER SEQUENCE



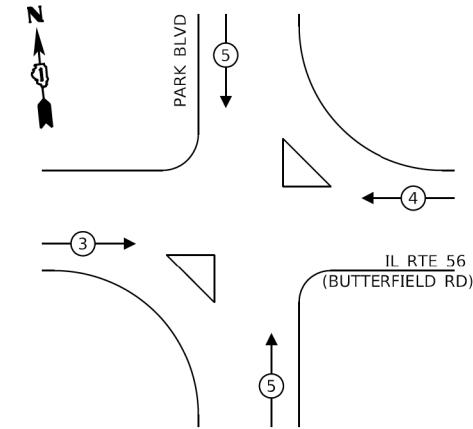
LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| A | = 2 | + 3 |
| C | = 6 | + 7 |

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

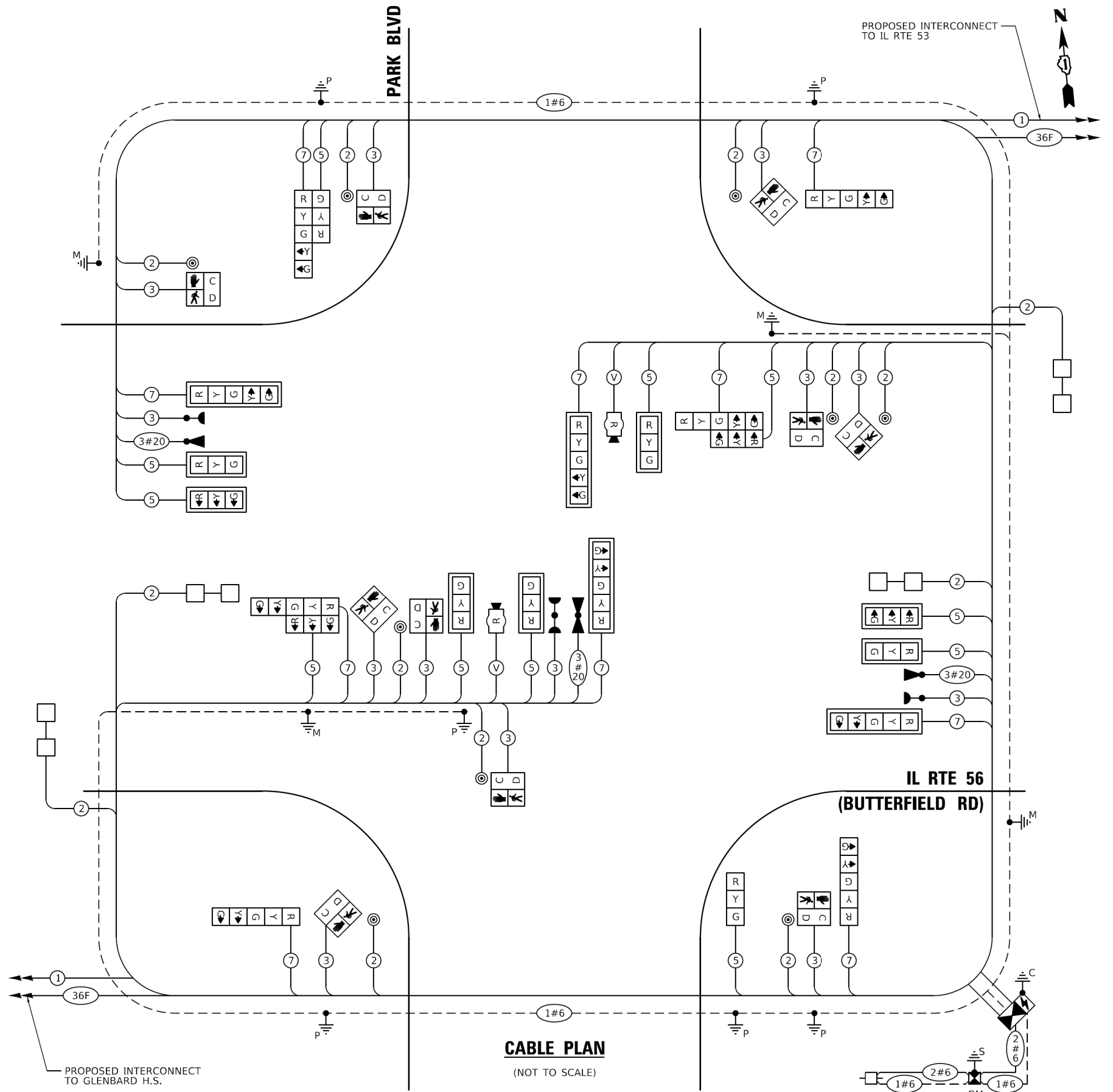


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 21 | 11 | 50 | 115.5 |
| (YELLOW) | 21 | 20 | 5 | 21.0 |
| (GREEN) | 21 | 12 | 45 | 113.4 |
| PERMISSIVE ARROW | 20 | 12 | 10 | 24.0 |
| PED. SIGNAL | 10 | 20 | 100 | 200.0 |
| CONTROLLER | 1 | 100 | 100 | 100.0 |
| UPS | 1 | 25 | 100 | 25.0 |
| VIDEO SYSTEM | 1 | 150 | 100 | 150.0 |
| BLANK-OUT SIGN | - | 25 | 5 | - |
| FLASHER | - | - | 50 | - |
| STREET NAME SIGN | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 748.9 |

ENERGY COSTS TO:
 DUPAGE COUNTY
 DIVISION OF TRANSPORTATION
 421 N COUNTY FARM ROAD, WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: _____



CABLE PLAN

(NOT TO SCALE)

TS SHT NO. 14

MODEL: Default
 FILE NAME: P:\01\04\BID\BID\TEC\Illinois.gov\PR\WIDOT\Documents\13DOT_Offices\Traffic\11\CD\00\04\01\Traffic\01599\1-1-14\TS.dgn

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = rostkowsk | DESIGNED - RR | REVISED - |
| PLOT SCALE = 40,0000' / in. | DRAWN - RR | REVISED - |
| PLOT DATE = 10/12/2018 | CHECKED - LP | REVISED - |
| | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. - TO STA. -

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 44 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

**TS 6305
 ECON 46**

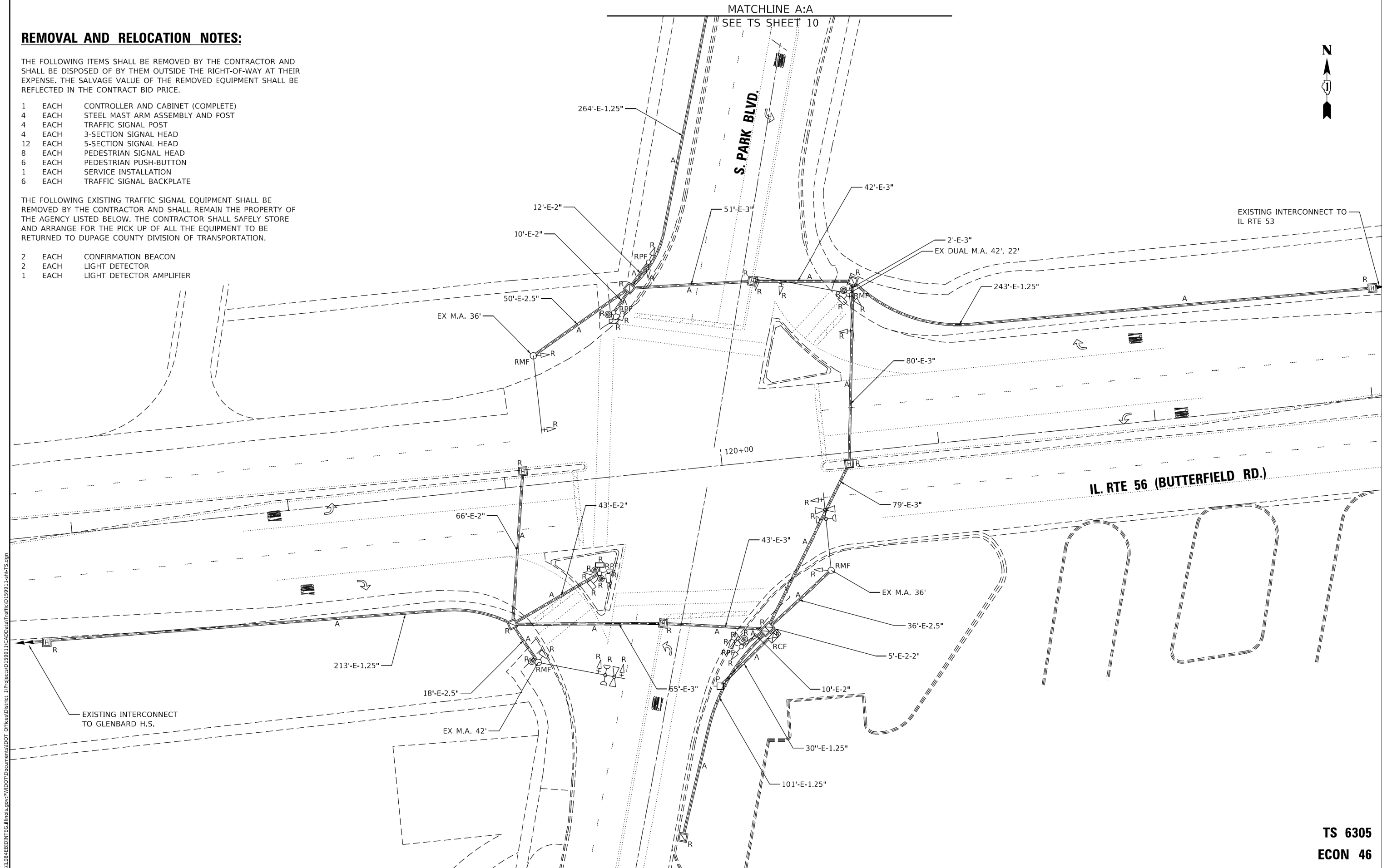
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 12 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 6 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO DUPAGE COUNTY DIVISION OF TRANSPORTATION.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 9

MODEL: Default
FILE NAME: p:\u0048\BID\NTEG\Illinois.gov\PW\DOT\Documents\DOT Offices\District 1\Projects\1599\11\CD\Drawn\Traffic\1599\1-15-18\TS.dgn

**TS 6305
ECON 46**

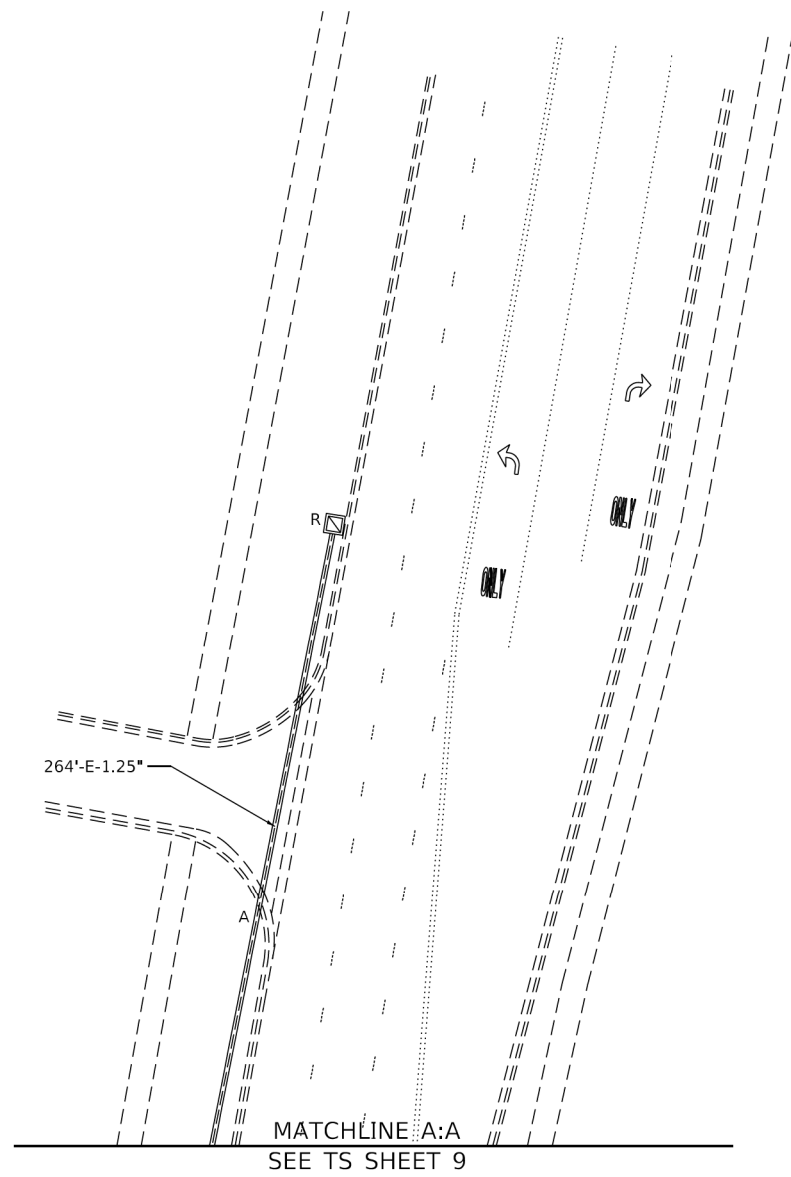
| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = rostkawskir | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL REMOVAL PLAN
IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 365 | SECTION 57-RS-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 45 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. - TO STA. -



| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = rostkowski | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 40,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

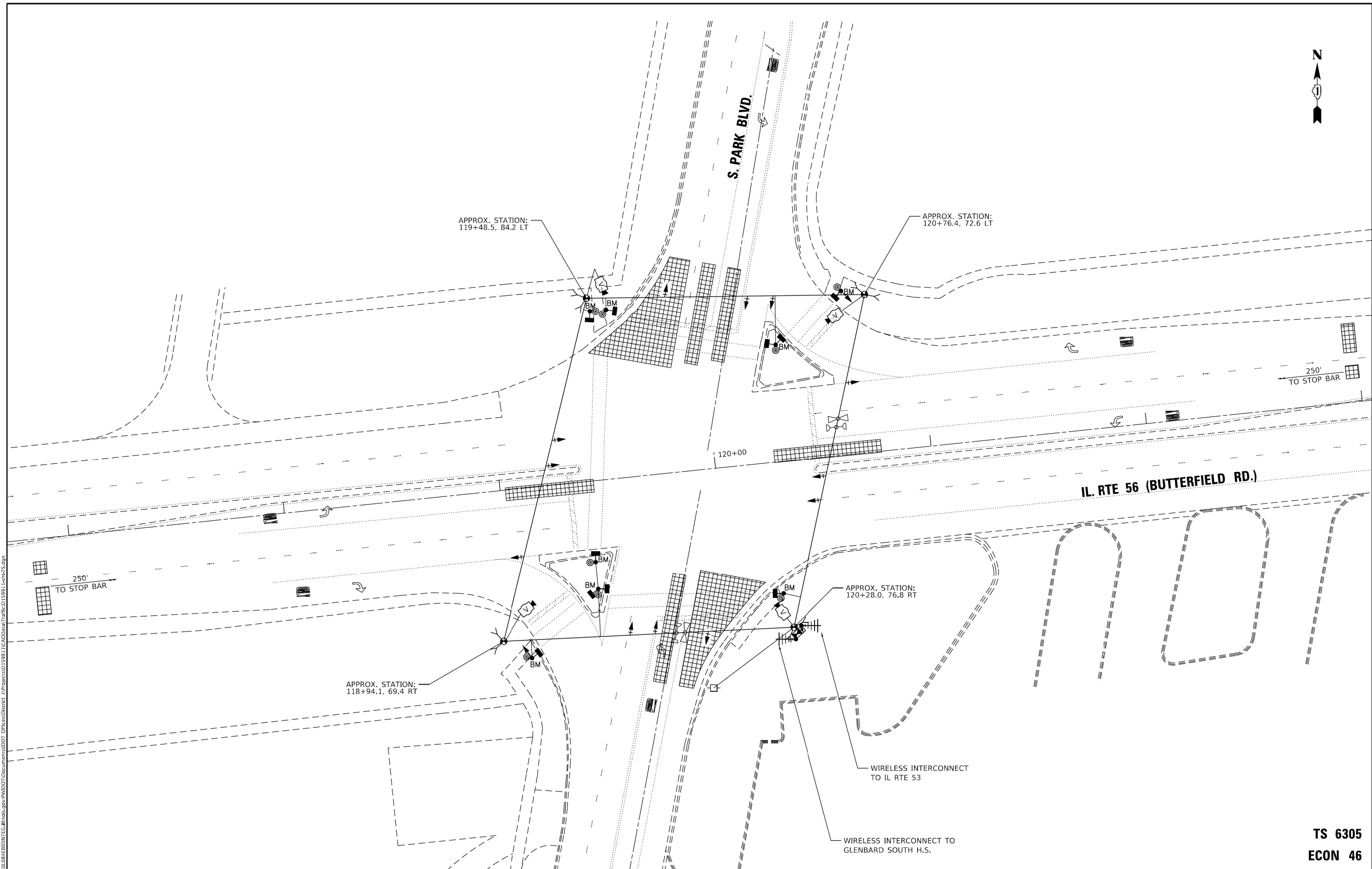
EXISTING TRAFFIC SIGNAL REMOVAL PLAN
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. - TO STA. -

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 46 |
| CONTRACT NO. 60P68 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS SHT NO. 11

MODEL: Default
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD

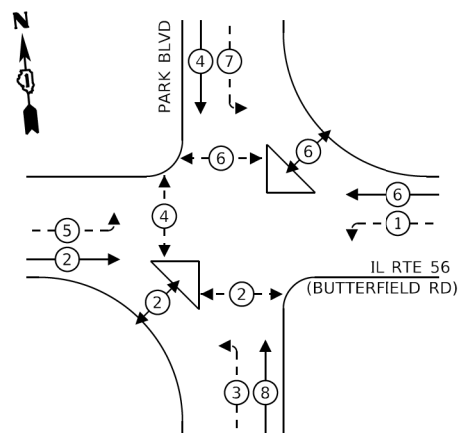
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. - TO STA. -

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| DRAWN - RR | REVISIONS - | |
| PLOT SCALE = 40,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 365 | SECTION 57-R5-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 47 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

TS 6305
 ECON 46

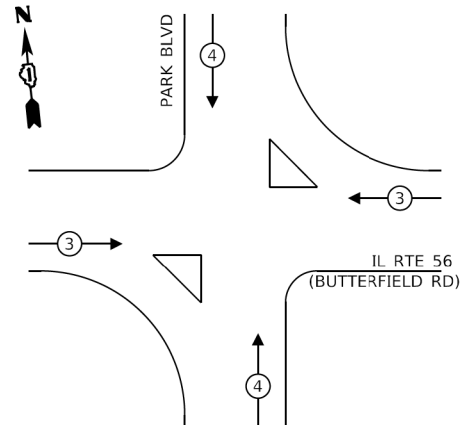
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

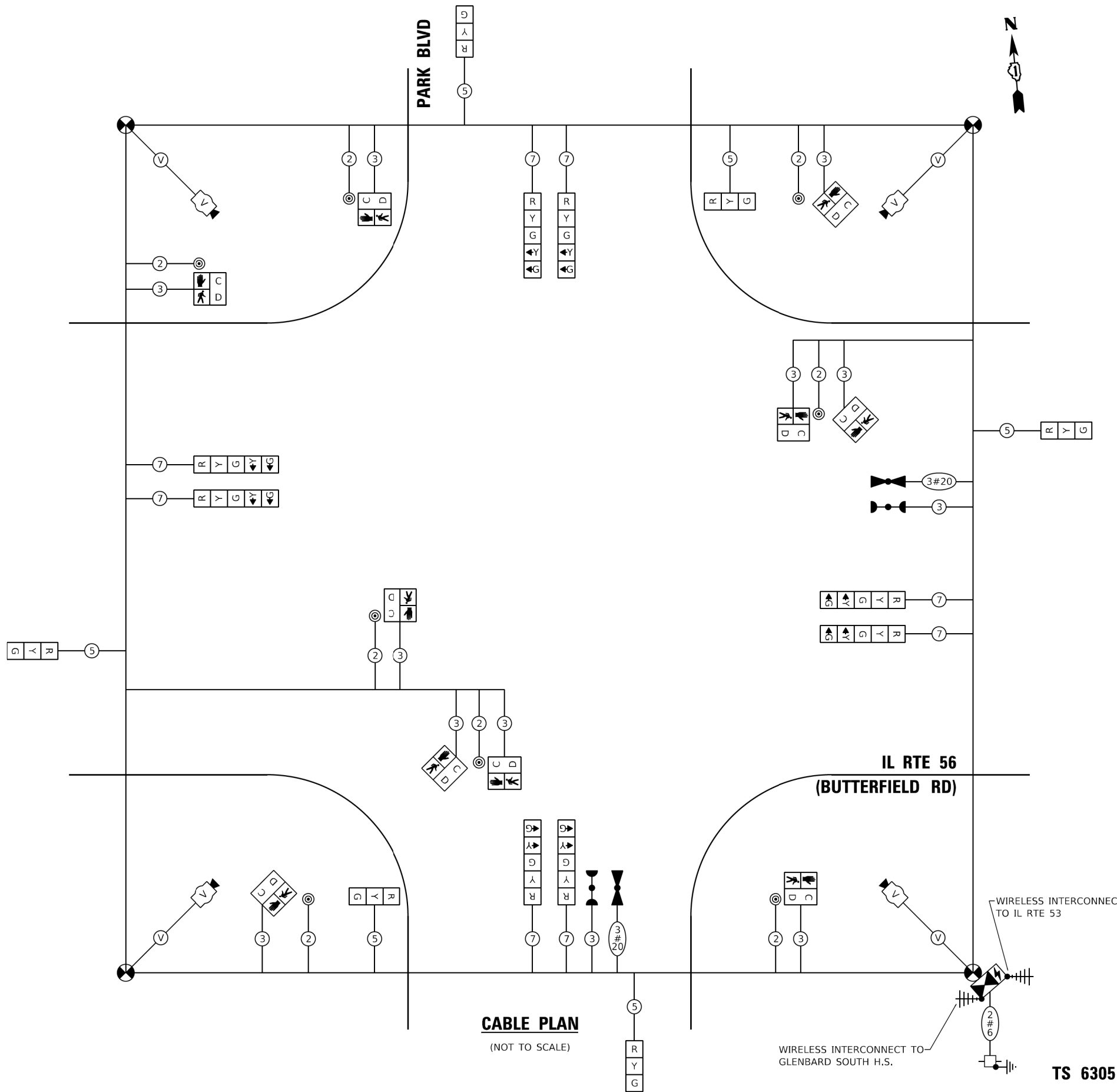
**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 14 | 11 | 50 | 77.0 |
| (YELLOW) | 14 | 20 | 5 | 14.0 |
| (GREEN) | 14 | 12 | 45 | 75.6 |
| PERMISSIVE ARROW | 16 | 12 | 10 | 19.2 |
| PED. SIGNAL | 10 | 20 | 100 | 200.0 |
| CONTROLLER | 1 | 100 | 100 | 100.0 |
| UPS | 1 | 25 | 100 | 25.0 |
| VIDEO SYSTEM | 1 | 150 | 100 | 150.0 |
| BLANK-OUT SIGN | - | 25 | 5 | - |
| FLASHER | - | - | 50 | - |
| STREET NAME SIGN | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 660.8 |

ENERGY COSTS TO:
 DUPAGE COUNTY
 DIVISION OF TRANSPORTATION
 421 N COUNTY FARM ROAD, WHEATON, IL 60187
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: _____



TS SHT NO. 12

MODEL: Default
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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| PLOT SCALE = 40,0000' / in. | DRAWN - RR | REVISED - |
| PLOT DATE = 10/12/2018 | CHECKED - LP | REVISED - |
| | DATE - 10/12/2018 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL CABLE PLAN
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD

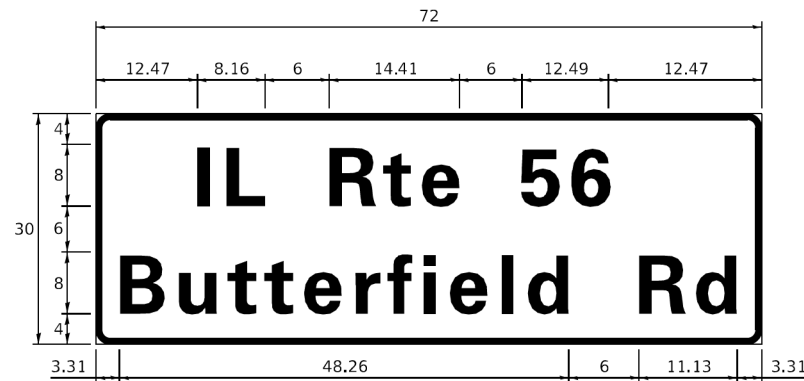
SCALE: NONE SHEET 1 OF 1 SHEETS STA. - TO STA. -

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 365 | SECTION 57-RS-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 48 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

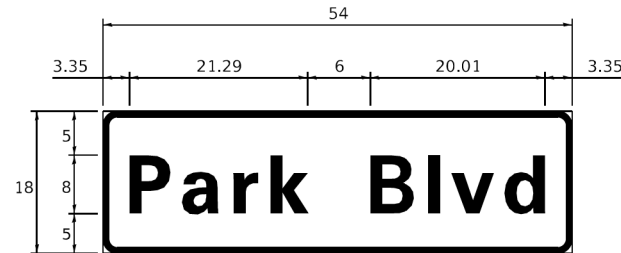
TS 6305
 ECON 46

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 15 | 2 | ZZ | 2 |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 6.75 | 2 | ZZ | 2 |

SCHEDULE OF QUANTITIES

| PAY ITEM | ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|----------|---|-------|------------|
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 44 |
| 72000200 | SIGN PANEL - TYPE 2 | SQ FT | 30 |
| 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 654 |
| 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 207 |
| 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 740 |
| 81400200 | HEAVY-DUTY HANDHOLE | EACH | 5 |
| 81400300 | DOUBLE HANDHOLE | EACH | 3 |
| 86400100 | TRANSCEIVER - FIBER OPTIC | EACH | 1 |
| 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1986 |
| 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 3023 |
| 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 2689 |
| 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 2267 |
| 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1126 |
| 87301805 | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 101 |
| 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 1241 |
| 87502440 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT. | EACH | 2 |
| 87502500 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 5 |
| 87700150 | STEEL MAST ARM ASSEMBLY AND POLE, 22 FT. | EACH | 1 |
| 87700240 | STEEL MAST ARM ASSEMBLY AND POLE, 40 FT. | EACH | 1 |
| 87700280 | STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. | EACH | 1 |
| 87700300 | STEEL MAST ARM ASSEMBLY AND POLE, 52 FT. | EACH | 1 |
| 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 32 |
| 87800150 | CONCRETE FOUNDATION, TYPE C | FOOT | 4 |
| 87800400 | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 10 |
| 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 41 |
| 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 7 |
| 88030050 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 4 |
| 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 6 |
| 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 4 |
| 88102717 | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 10 |
| 88200410 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 11 |
| 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 4 |
| 88700300 | LIGHT DETECTOR AMPLIFIER | EACH | 1 |
| 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 9 |
| 89000100 | TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| 89502380 | REMOVE EXISTING HANDHOLE | EACH | 11 |
| 89502382 | REMOVE EXISTING DOUBLE HANDHOLE | EACH | 1 |
| X0324085 | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 772 |
| X1400081 | FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL) | EACH | 1 |
| X1400150 | SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 |
| X1400201 | RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR | EACH | 2 |
| X8620200 | UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |
| Z0073510 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |

TS SHT NO. 15

MODEL: Default
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TS 6305
ECON 46

| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkawski | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 40,0000 * / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

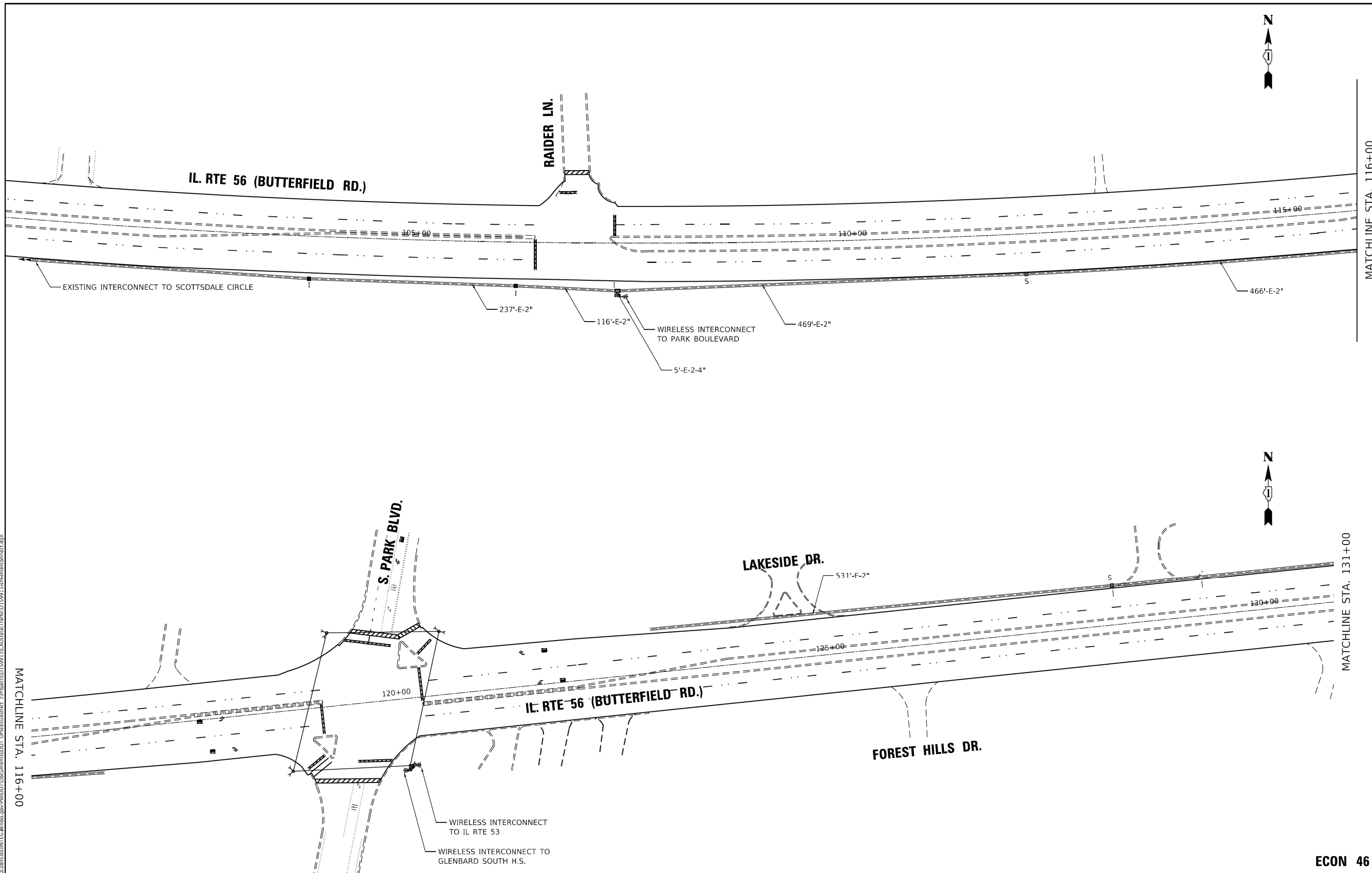
STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD

SCALE: NONE SHEET 1 OF 1 SHEETS STA. - TO STA. -

| | | | | |
|---------------------------|---------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | | 67 | 49 |
| | | | CONTRACT NO. 60P68 | |
| ILLINOIS FED. AID PROJECT | | | | |

TS SHT NO. 16

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| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

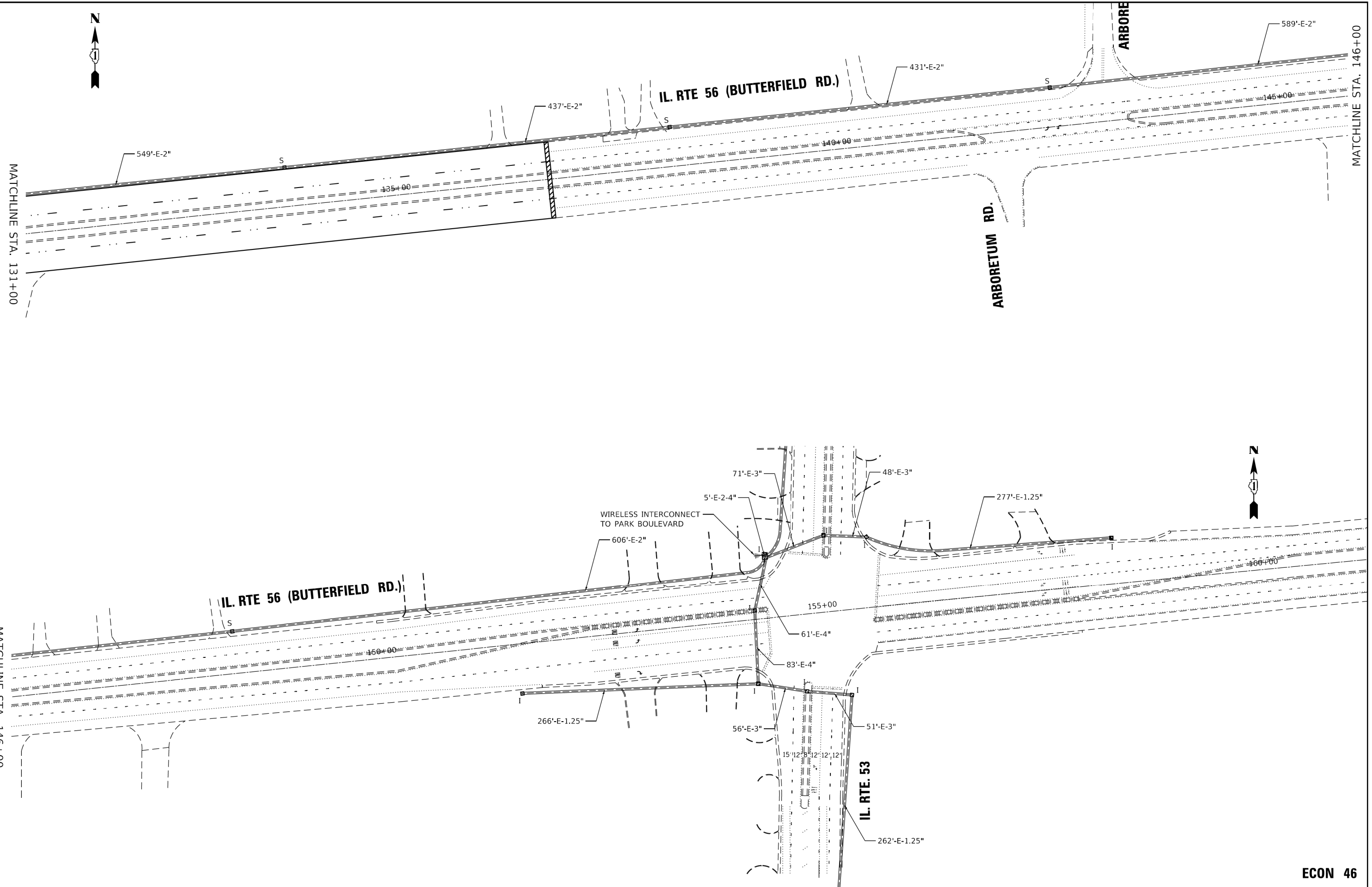
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. - TO STA. -

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 305 | SECTION 57-R5-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 50 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

ECON 46

TS SHT NO. 17

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| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

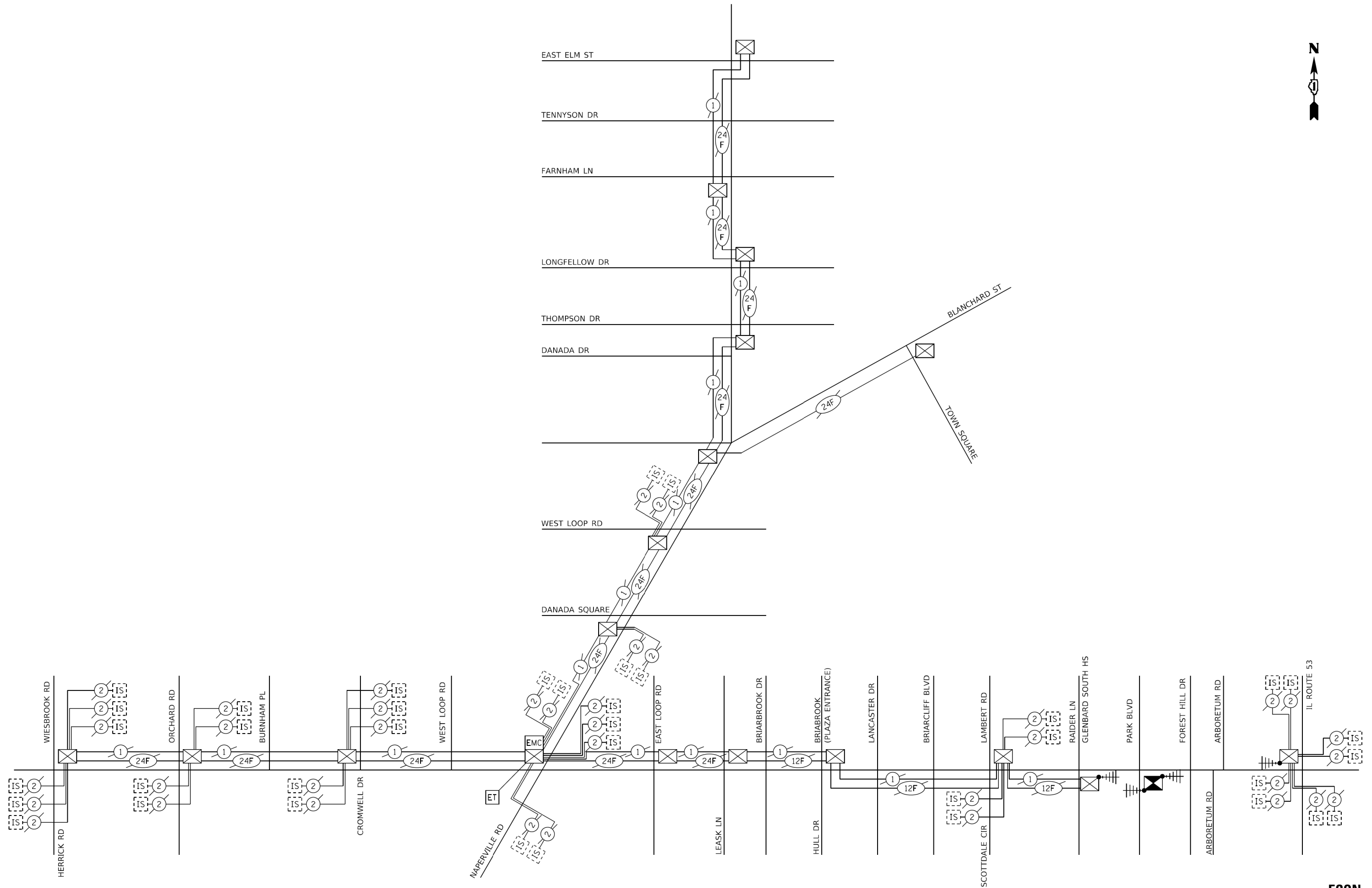
**TEMPORARY INTERCONNECT
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. - TO STA. -

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 305 | SECTION 57-RS-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 51 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

ECON 46

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| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkawski | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

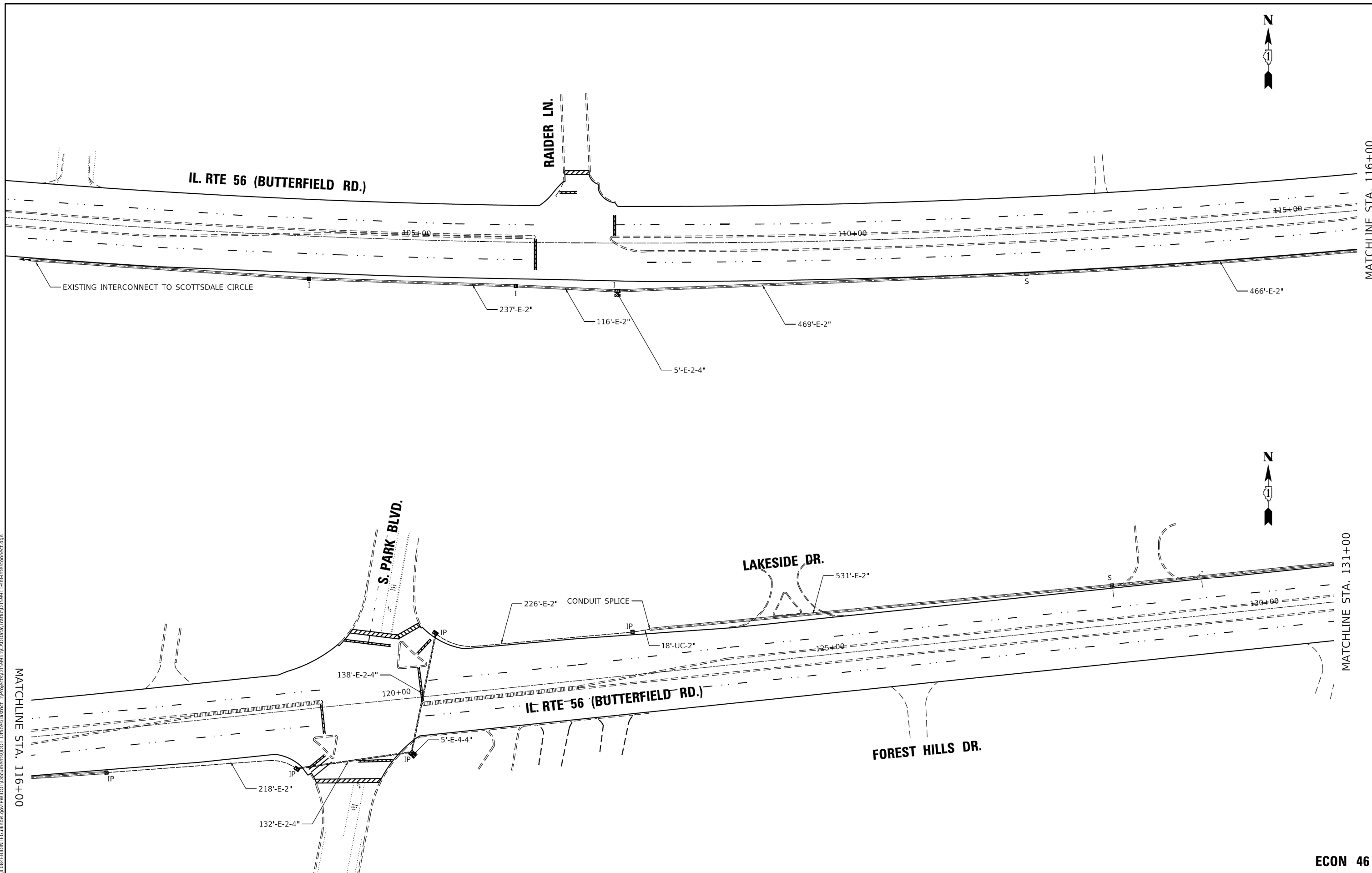
**TEMPORARY INTERCONNECT SCHEMATIC
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. - TO STA. -

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 305 | SECTION 57-RS-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 52 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

TS SHT NO. 19

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ECON 46

| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

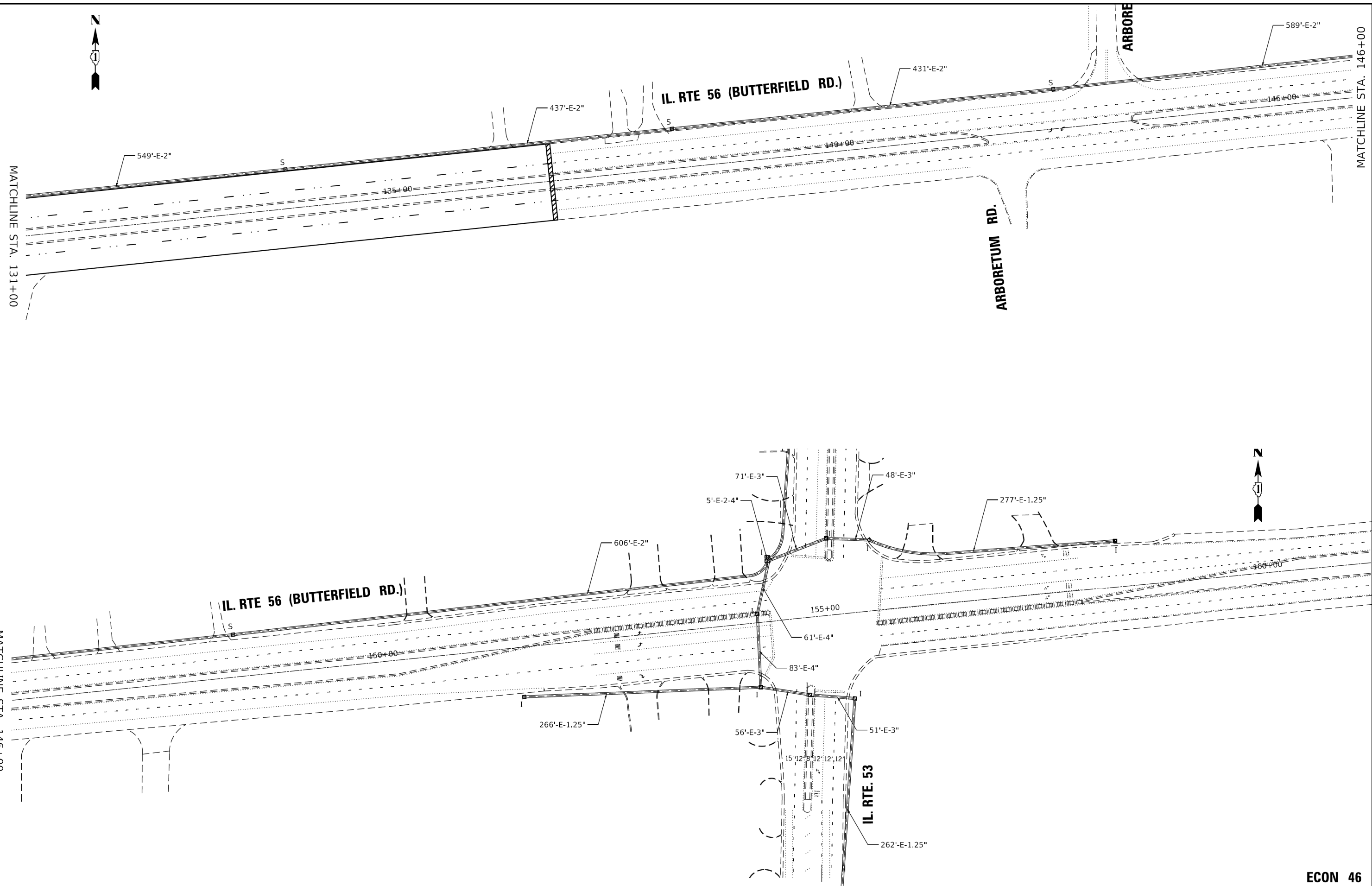
PROPOSED INTERCONNECT PLAN
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. - TO STA. -

| | | | | |
|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 305 | SECTION 57-R5-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 53 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

TS SHT NO. 20

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| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. - TO STA. -

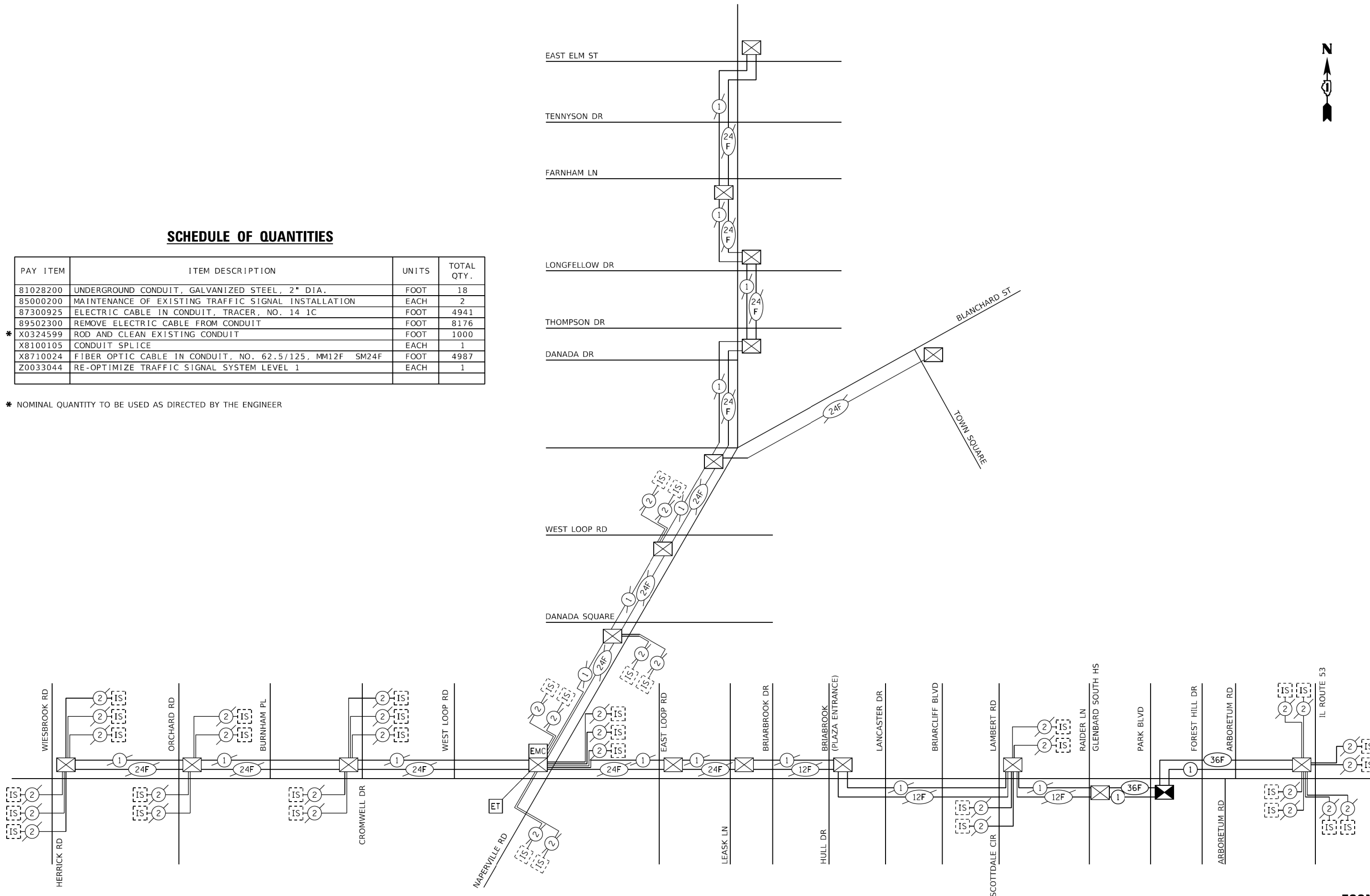
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|--------------------|-----------------|---------------|---------------------------|--------------|
| F.A.P. RTE. 305 | SECTION 57-R5-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 54 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |

ECON 46

SCHEDULE OF QUANTITIES

| PAY ITEM | ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|------------|---|-------|------------|
| 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 18 |
| 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 2 |
| 87300925 | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C | FOOT | 4941 |
| 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 8176 |
| * X0324599 | ROD AND CLEAN EXISTING CONDUIT | FOOT | 1000 |
| X8100105 | CONDUIT SPLICE | EACH | 1 |
| X8710024 | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F | FOOT | 4987 |
| Z0033044 | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1 | EACH | 1 |

* NOMINAL QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER



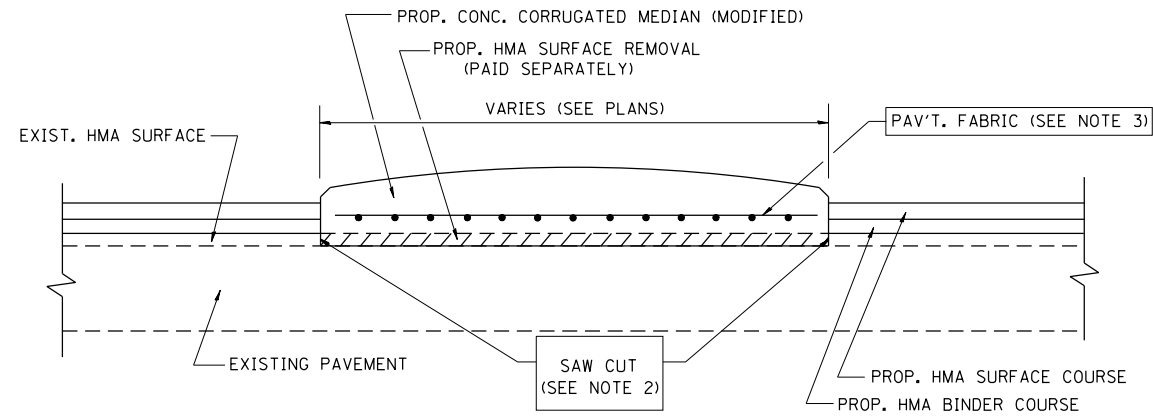
| | | |
|------------------------------|-------------------|-----------|
| USER NAME = rostkowskjr | DESIGNED - RR | REVISED - |
| | DRAWN - RR | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - LP | REVISED - |
| PLOT DATE = 10/12/2018 | DATE - 10/12/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC
 IL RTE 56 (BUTTERFIELD ROAD) AT PARK BOULEVARD**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. - TO STA. -

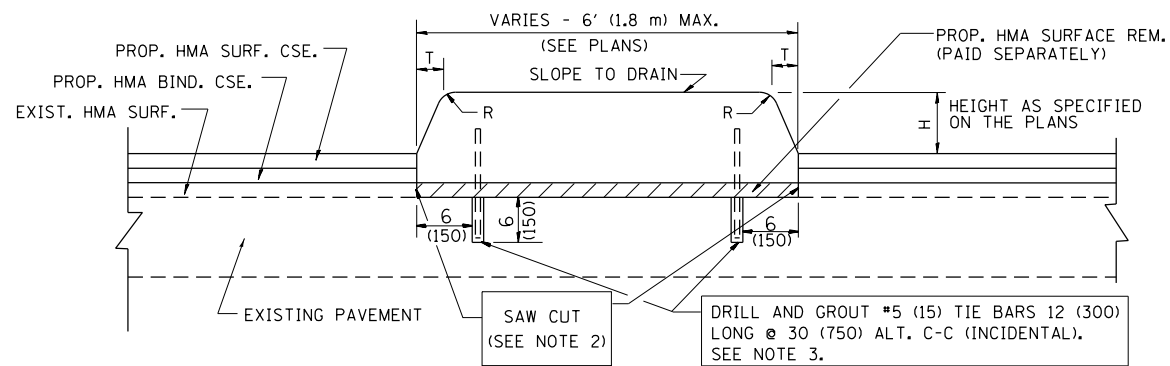
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|--------------------|-----------------|--------|---------------------------|--------------|
| F.A.P. RTE. 305 | SECTION 57-RS-3 | COUNTY | TOTAL SHEETS 67 | SHEET NO. 55 |
| CONTRACT NO. 60P68 | | | ILLINOIS FED. AID PROJECT | |



- NOTES:
1. CORRUGATED MEDIAN (MODIFIED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF STATE STANDARD 606306.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)
 3. PAVEMENT FABRIC WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)

DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CORRUGATED MEDIAN (MODIFIED)"



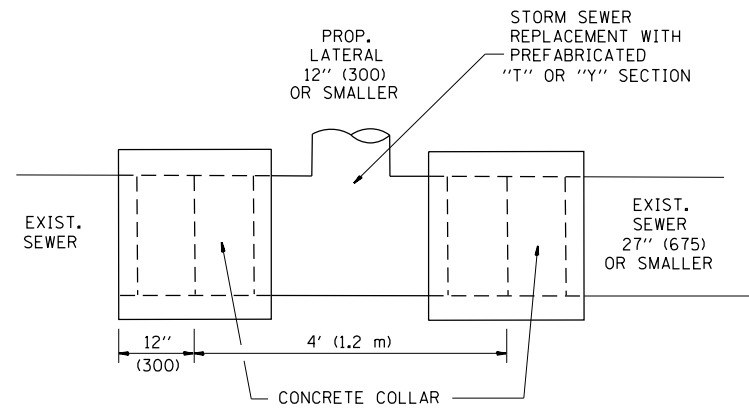
- NOTES:
1. CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATIONS.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"
 3. FOR MEDIAN WIDTH LESS THAN 4' (1.2 m) USE ONE ROW OF #5 (15) BARS @ 30 (750) C-C ALONG THE MEDIAN CENTERLINE. TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"

| H | R | T |
|--------|-------|-------|
| 6(150) | 1(25) | 1(25) |
| 9(225) | 1(25) | 2(50) |

**DETAILS FOR CONCRETE MEDIAN
TYPE SB (DOWELLED)**

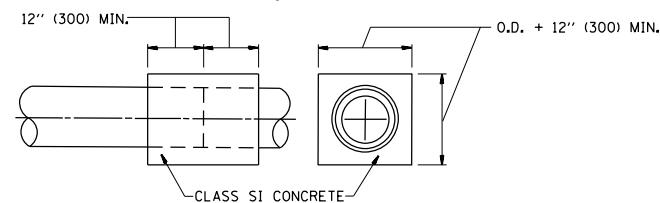
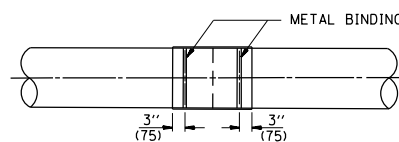
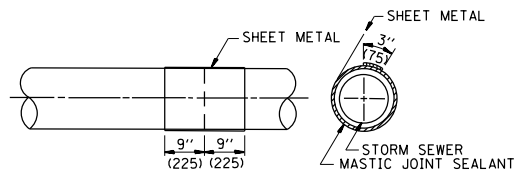
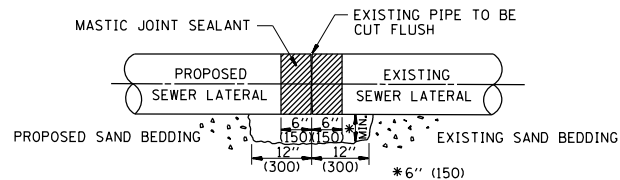
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CONCRETE MEDIAN TYPE SB (DOWELLED)"

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



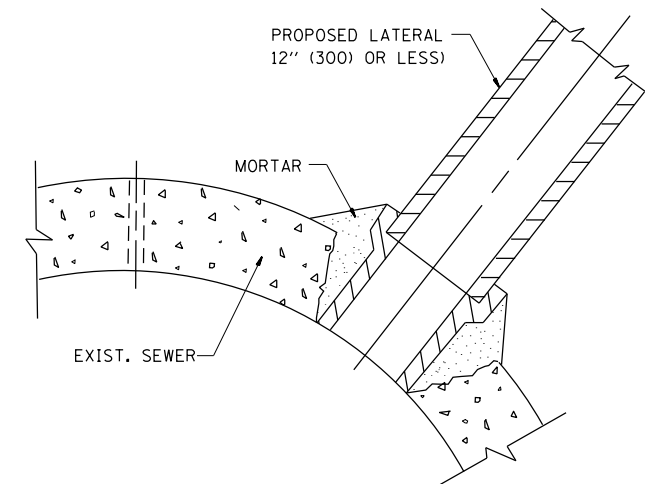
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

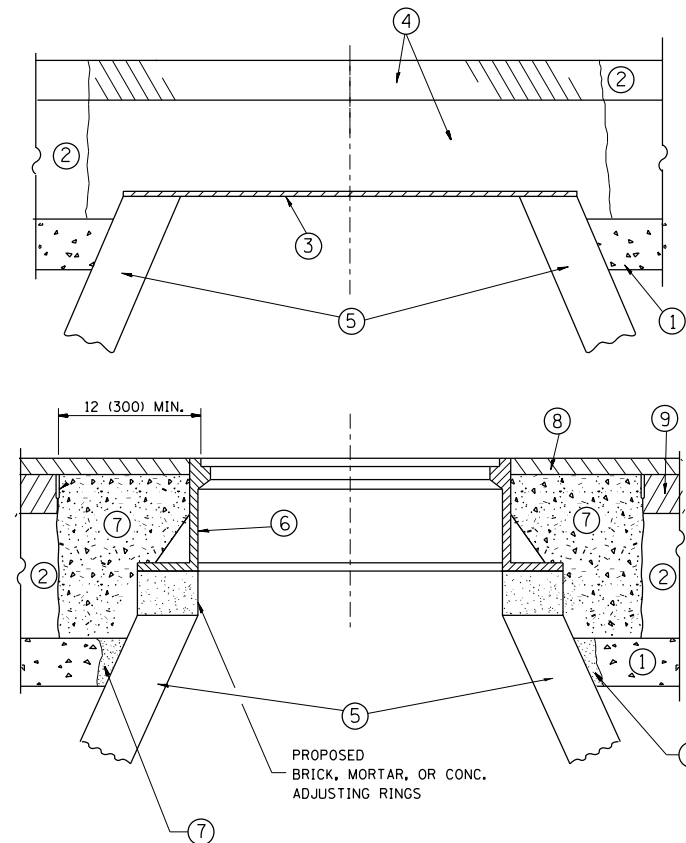
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| | | DATE - 07-25-90 | REVISED - R. SHAH 10-25-94 |
| | | | REVISED - R. SHAH 06-12-96 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|---------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 56A |
| BD500-01 (BD-7) | | | CONTRACT NO. 60P68 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

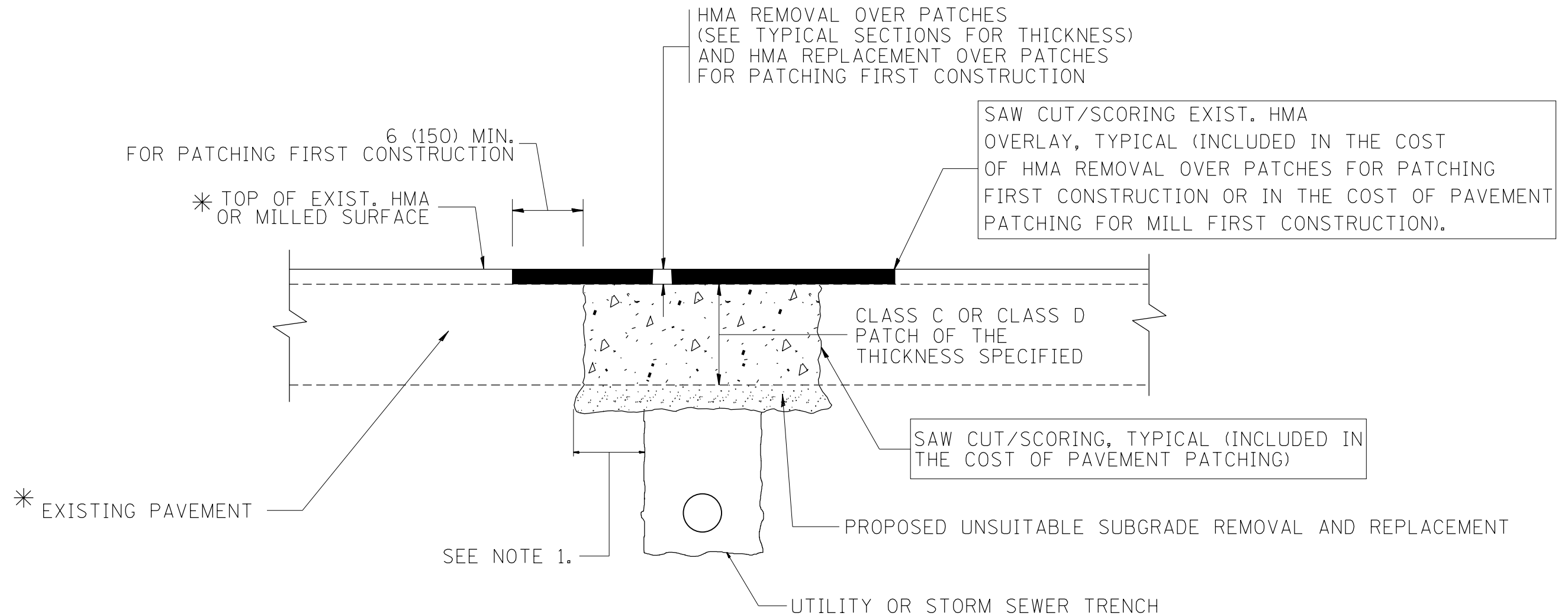
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| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 03-09-11 |
| | PLOT DATE = 12/12/2018 | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|---------|---------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 57 |
| BD600-03 (BD-8) | | CONTRACT NO. 60P68 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

F.A.P.
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN. **CONTRACT NO. 60P68**

| | | | | | | | | | | | | |
|---|--------------------|--------------------|-----------------------------|---|--|-------------------------|------|---------------------|---------|---|--------------|-----------|
| FILE NAME = | USER NAME = ldezma | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DIS\084EBIDINTEG\Design\DistStd.dgn | | CHECKED - | REVISED - R. BORO 01-01-07 | | | | | 365 | 57-RS-3 | DUPAGE | 67 | 58 |
| PLOT SCALE = 100.0000' / 1" | | DATE - 10-25-94 | REVISED - R. BORO 09-04-07 | | BD400-04 (BD-22) | | | CONTRACT NO. | | | | |
| PLOT DATE = 12/12/2018 | | | REVISED - K. ENG 10-27-08 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | |

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) * *

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

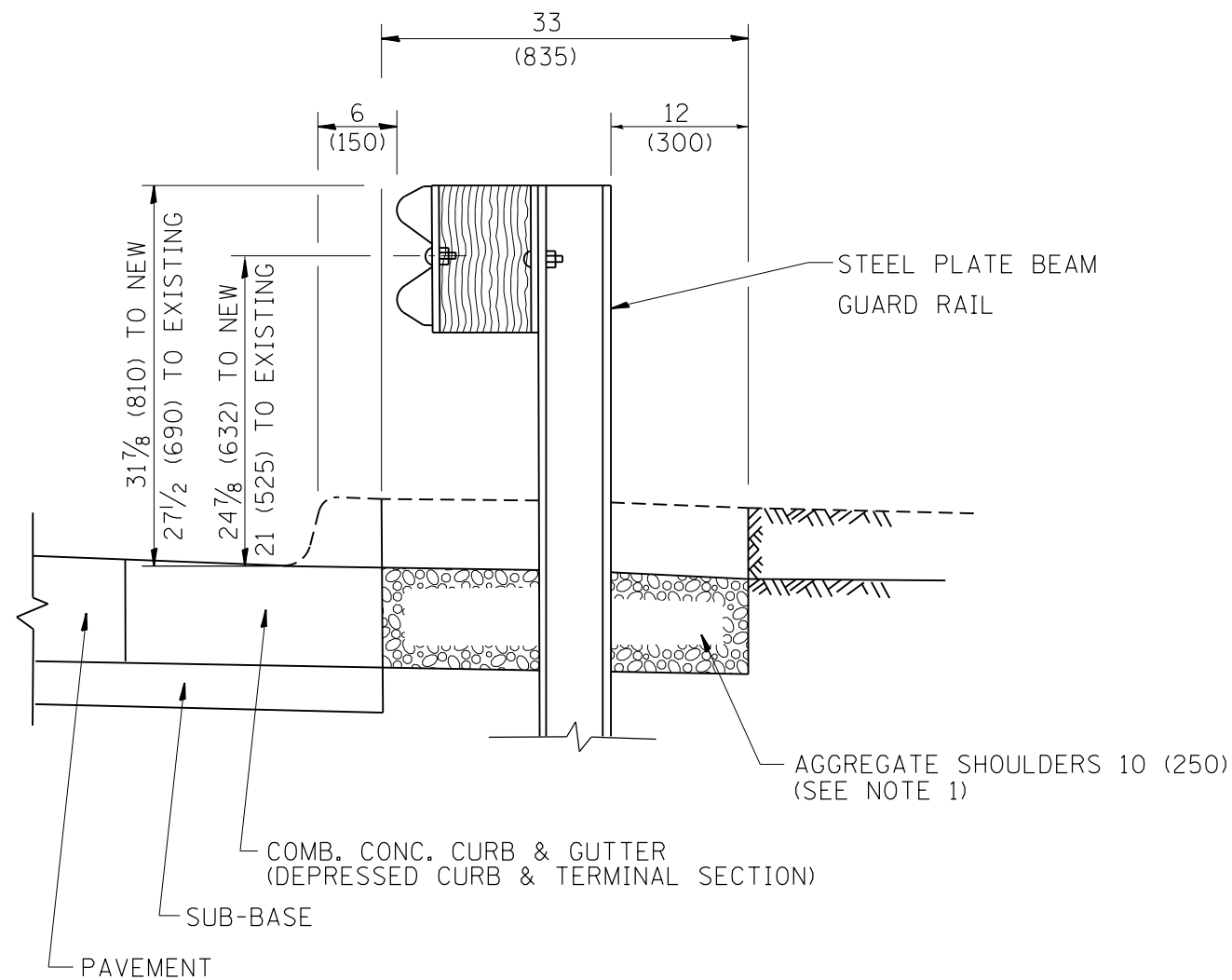
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

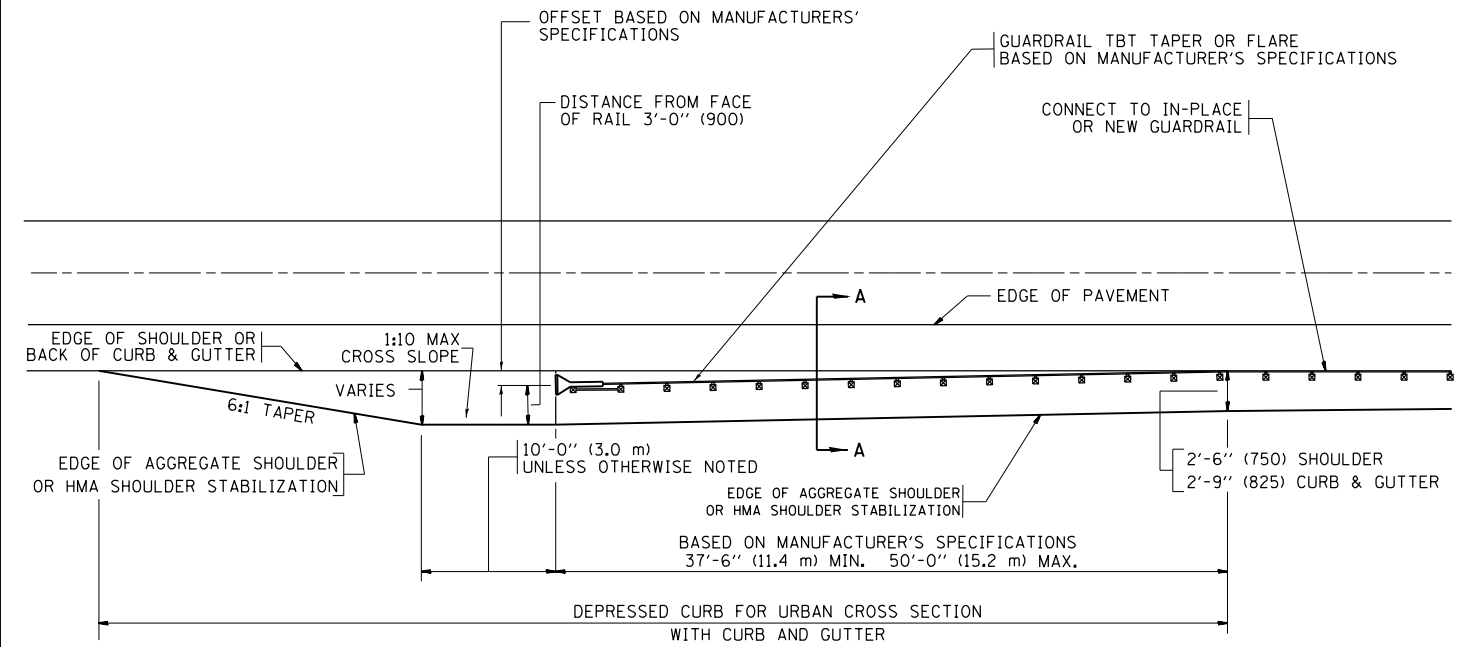
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| FILE NAME = | USER NAME = ldezma | DESIGNED - A. HOUSEH | REVISED - R. SHAH 10-03-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT | | | F.A.P. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI599\Drawings\Design\DistStd.dgn | | | REVISED - A. ABBAS 03-21-97 | | | | | 365 | 57-RS-3 | DUPAGE | 67 | 59 |
| PLOT SCALE = 100.0000' / 1". | CHECKED - | REVISED - M. GOMEZ 01-22-01 | | | BD600-06 (BD-24) | | CONTRACT NO. | | | | | |
| PLOT DATE = 12/12/2018 | DATE - 03-11-94 | REVISED - R. BORO 12-15-09 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | |



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

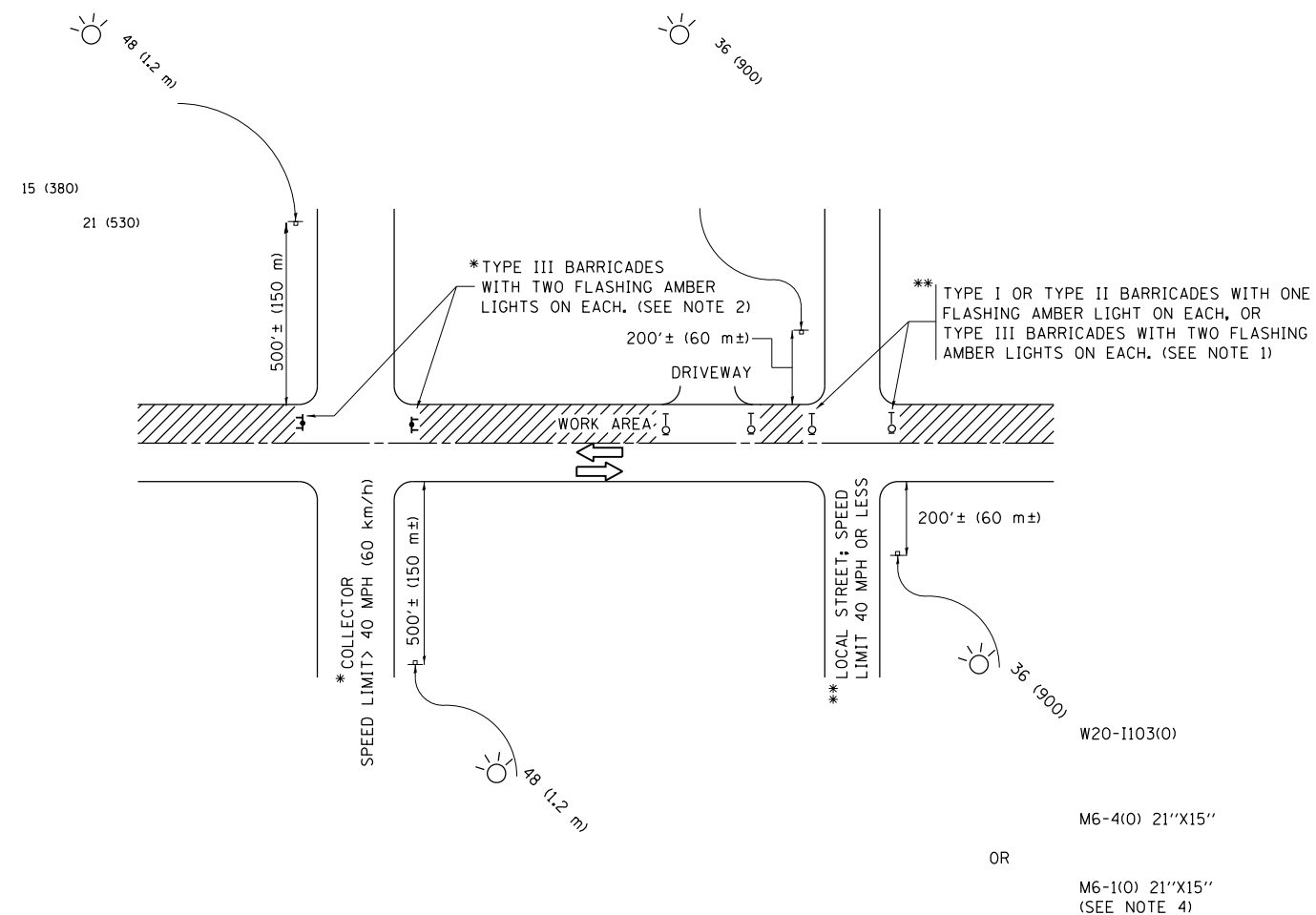
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| pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DIS99\Drawings\Design\DistStd.dgn | | | REVISED - R. BORO 01-01-07 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 12-08-2008 |
| | PLOT DATE = 12/12/2018 | DATE - 09-22-90 | REVISED - R. BORO 09-14-2009 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|---------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | | 67 | 60 |
| BD600-10 (BD 34) | | | CONTRACT NO. | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

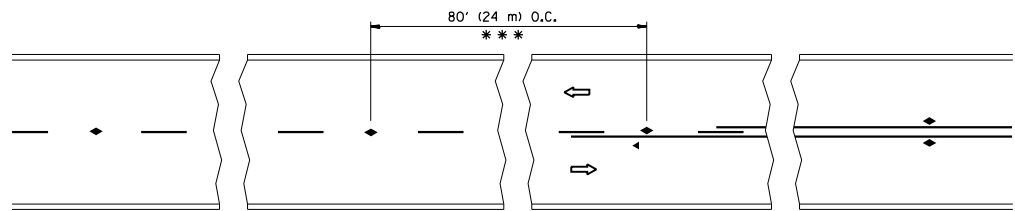
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| | PLOT DATE = 12/12/2018 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

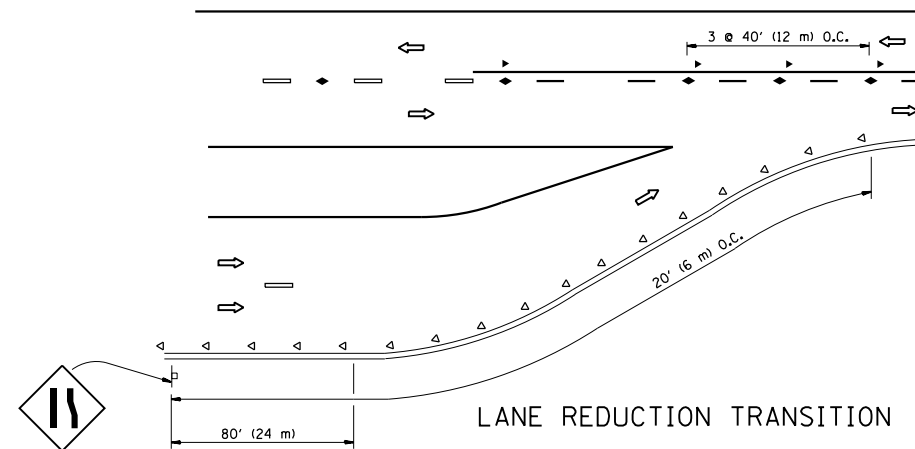
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|---------------------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 61 |
| TC-10 | | | CONTRACT NO. 60P68 | |
| ILLINOIS FED. AID PROJECT | | | | |

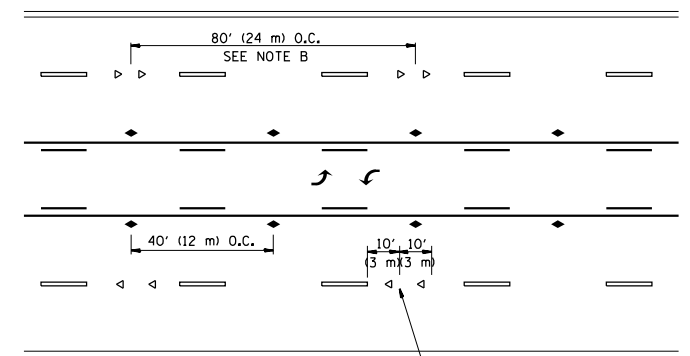


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

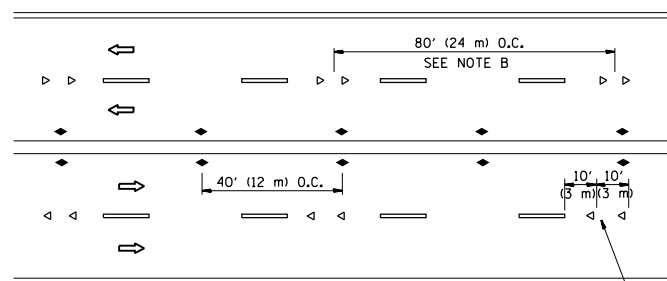
TWO-LANE/TWO-WAY



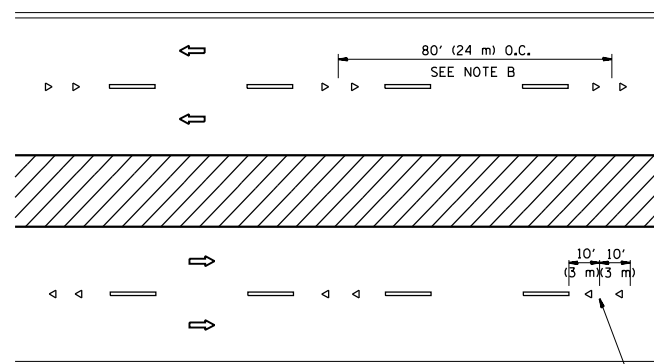
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

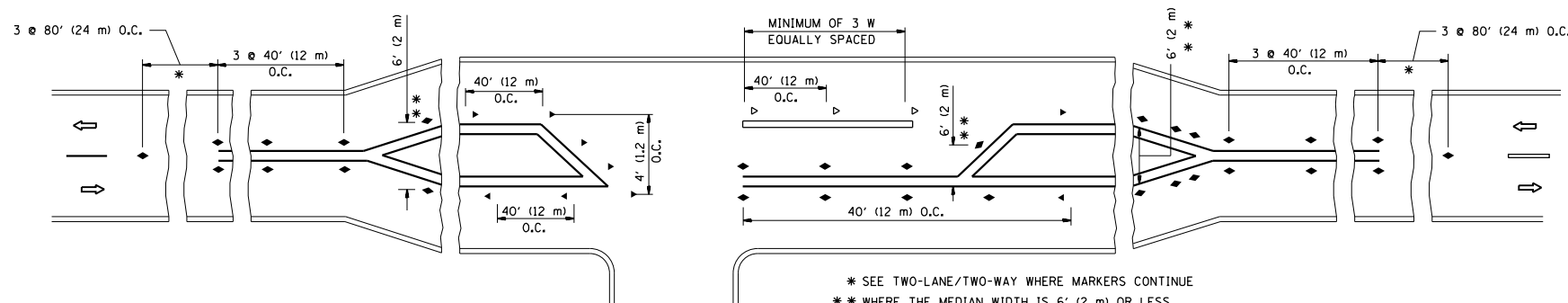
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

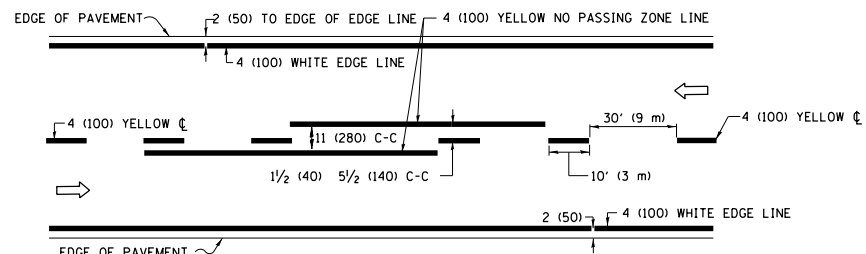
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|--|-------------------------------|------------|---------------------------------|
| FILE NAME = | USER NAME = ledznmrm | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 |
| pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DIS\99\Drawings\Design\DistStd.dgn | | DRAWN - | REVISED - T. RAMMACHER 03-12-99 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - T. RAMMACHER 01-06-00 |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - C. JUCIUS 09-09-09 |

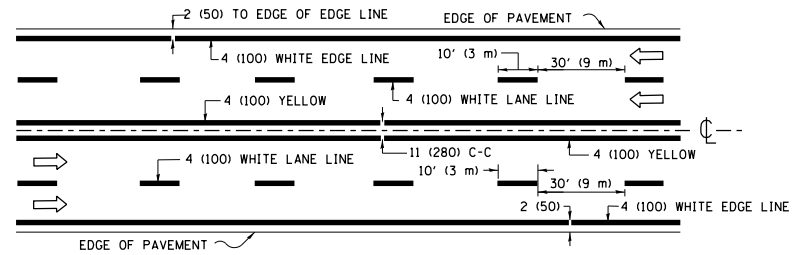
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| TYPICAL APPLICATIONS | | | |
|--|-------------------------|------|---------|
| RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

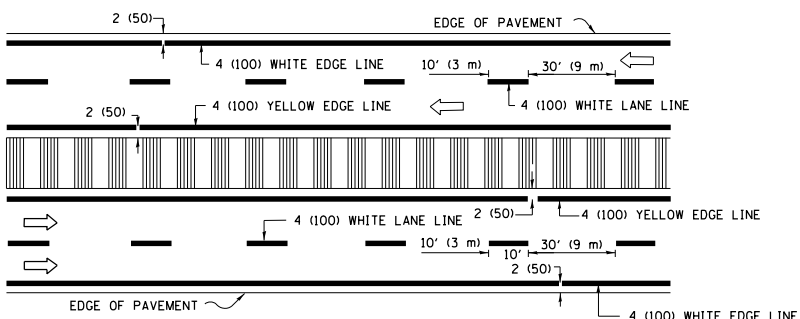
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------------------|--------------|-----------|
| 365 | 57-RS-3 | DUPAGE | 67 | 62 |
| TC-11 | | CONTRACT NO. 60P68 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



2-LANE ROADWAY

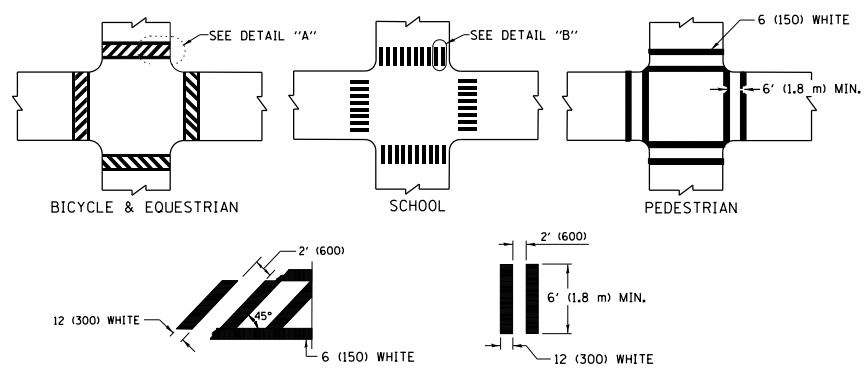


MULTI-LANE UNDIVIDED



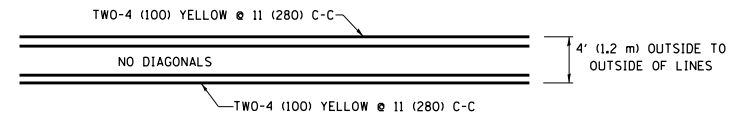
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

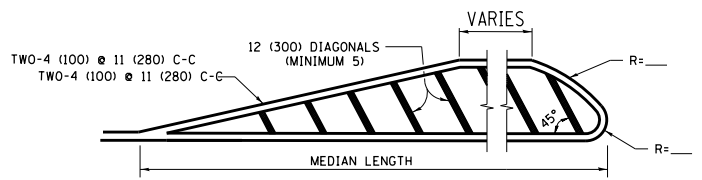


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

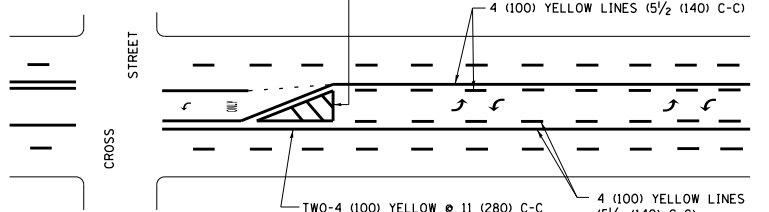


4' (1.2 m) WIDE MEDIANS ONLY



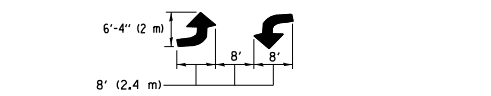
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

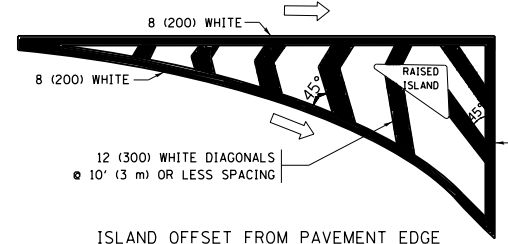
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



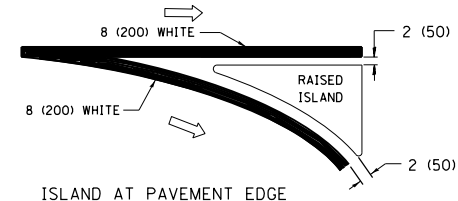
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

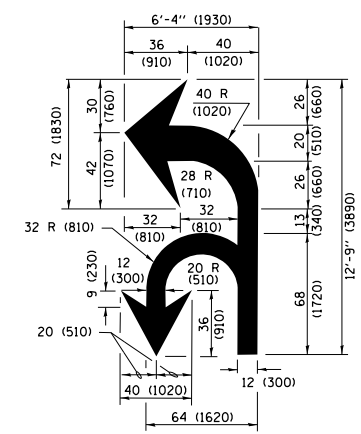
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



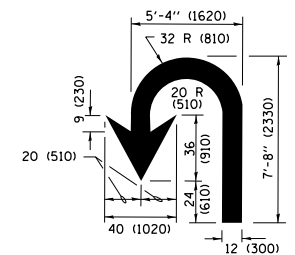
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345 | 30 |
| 425 | 35 |
| 500 | 40 |
| 580 | 45 |
| 665 | 50 |
| 750 | 55 |

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING /REMARKS |
|---|--|------------------------------|---|---|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MEDIANS IN YELLOW |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE. |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8') | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION LEFT AND U TURN | SEE DETAIL | SOLID | WHITE | 30.4 SF |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|--|------------------------------|------------------|------------------------------|
| FILE NAME = | USER NAME = ledzerm | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DIS\Drawings\Design\DistStd.dgn | | CHECKED - | REVISED - C. JUCIUS 07-01-13 |
| Default | PLOT SCALE = 100.0000' / in. | DATE - 03-19-90 | REVISED - C. JUCIUS 12-21-15 |
| | PLOT DATE = 12/12/2018 | | REVISED - C. JUCIUS 04-12-16 |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|---------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 365 | 57-RS-3 | DUPAGE | 67 | 63 |
| TC-13 | | CONTRACT NO. 60P68 | | |
| ILLINOIS FED. AID PROJECT | | | | |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

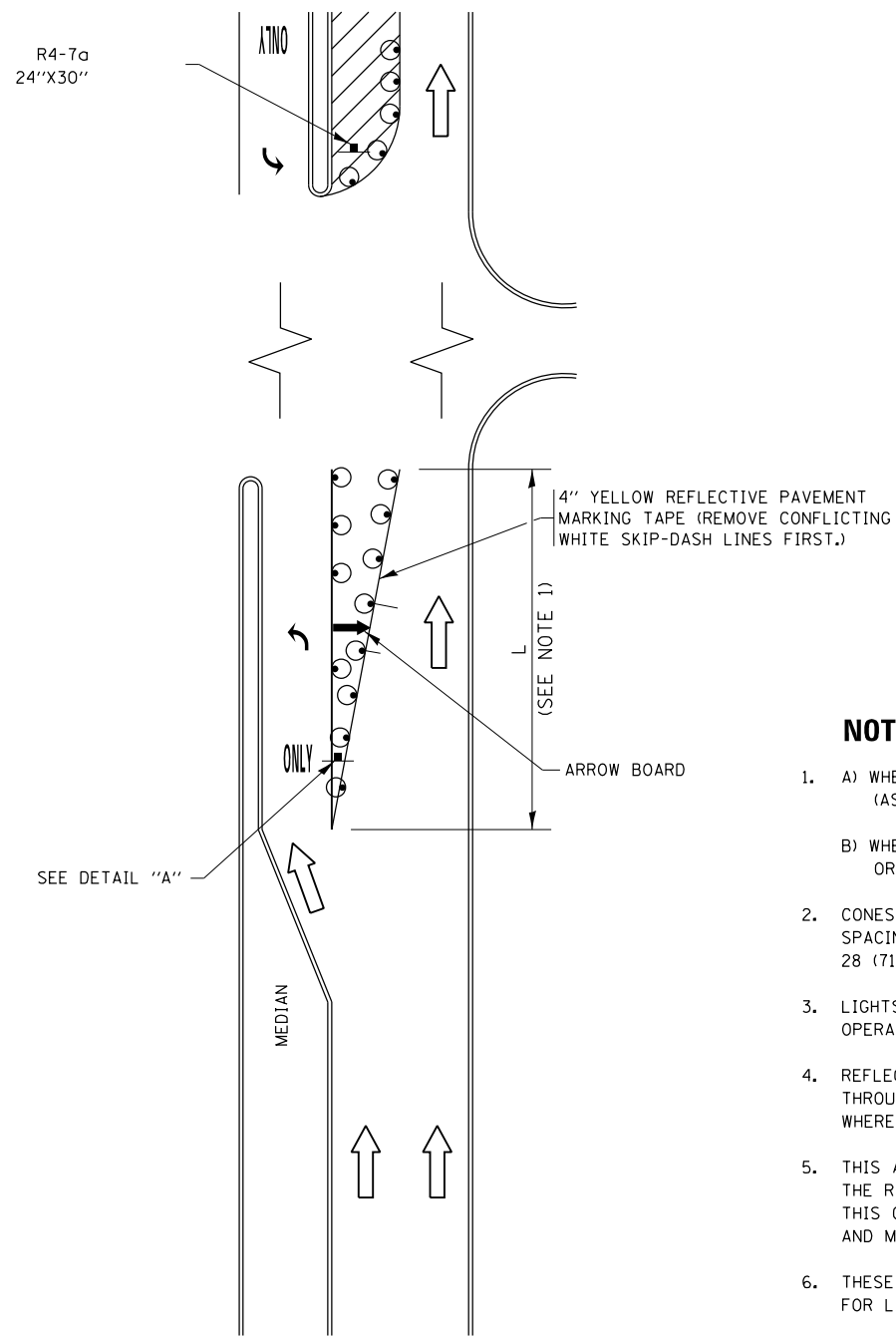
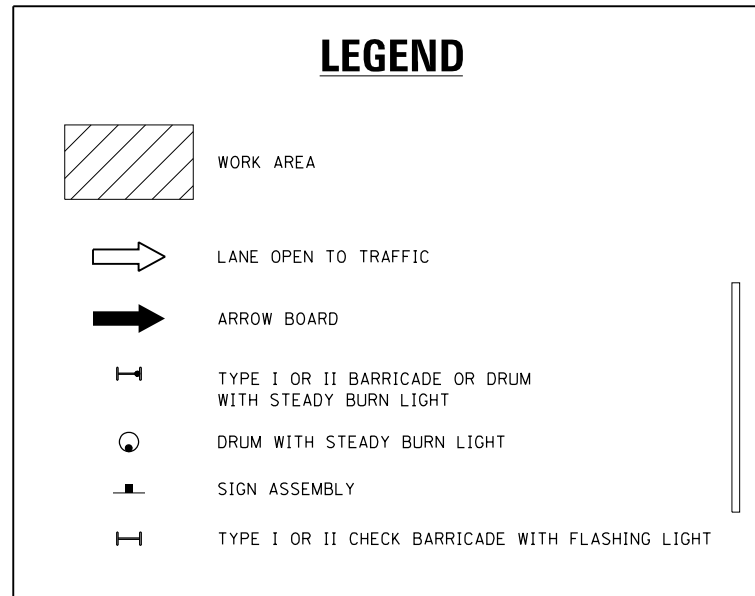


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

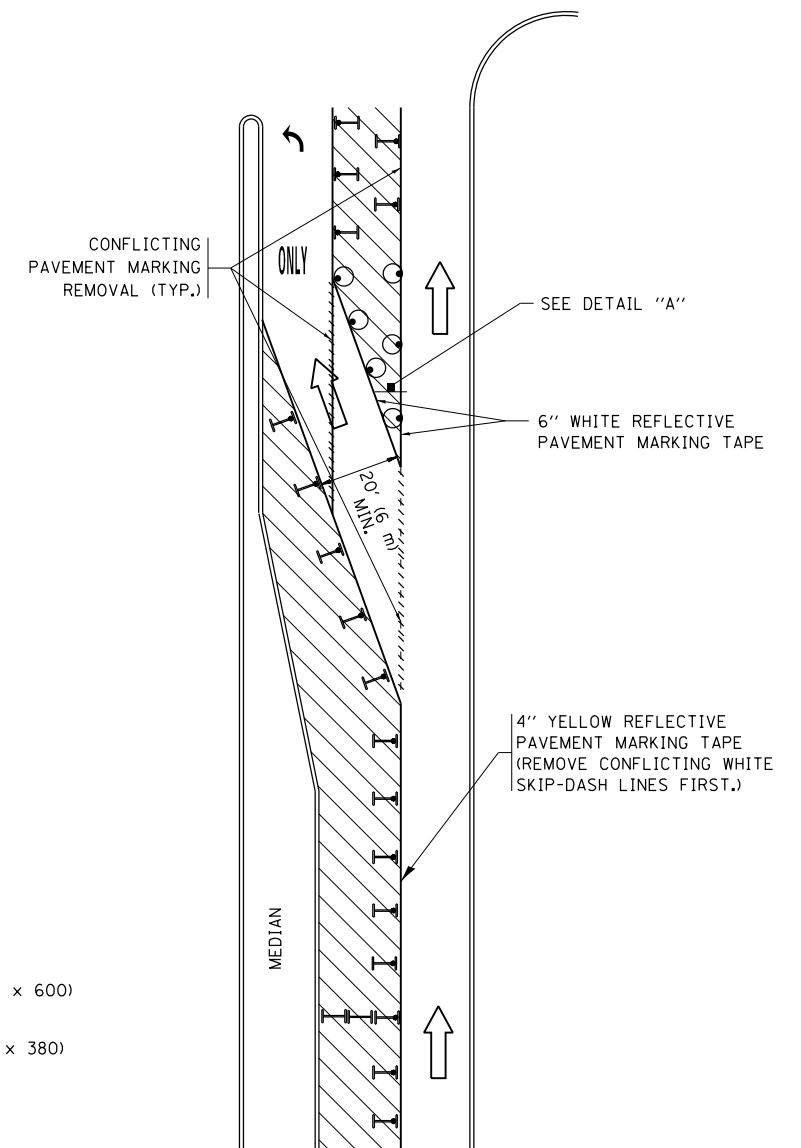
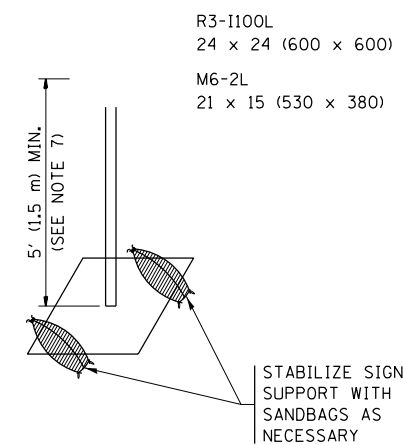


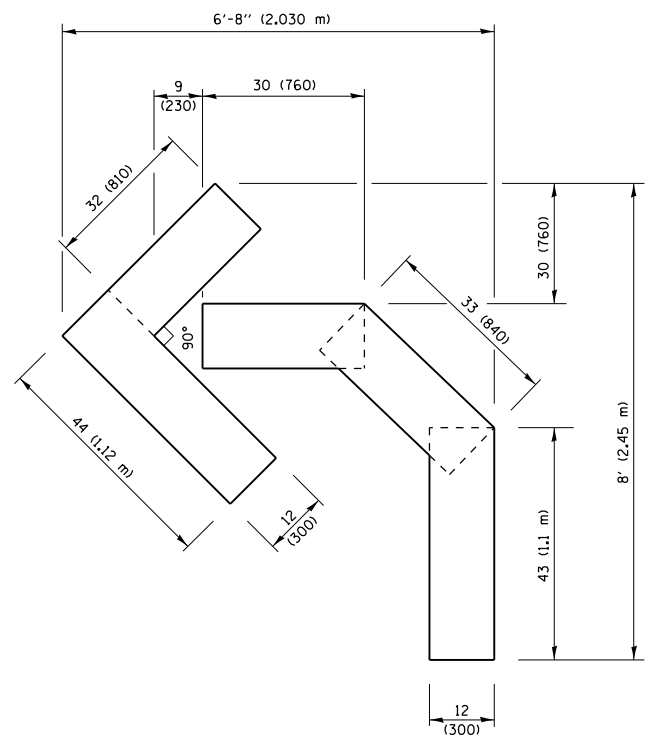
FIGURE 2



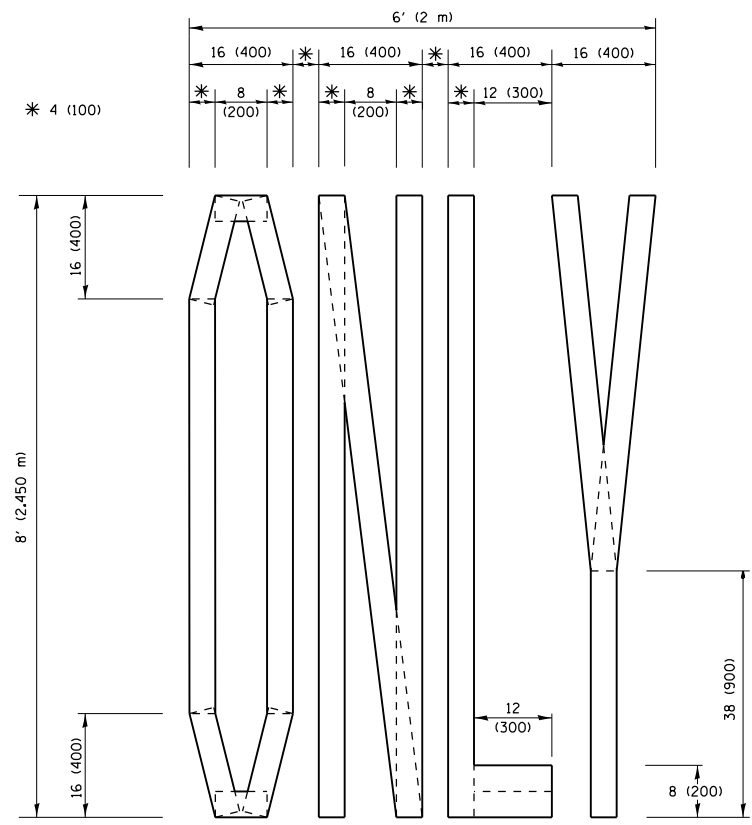
DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

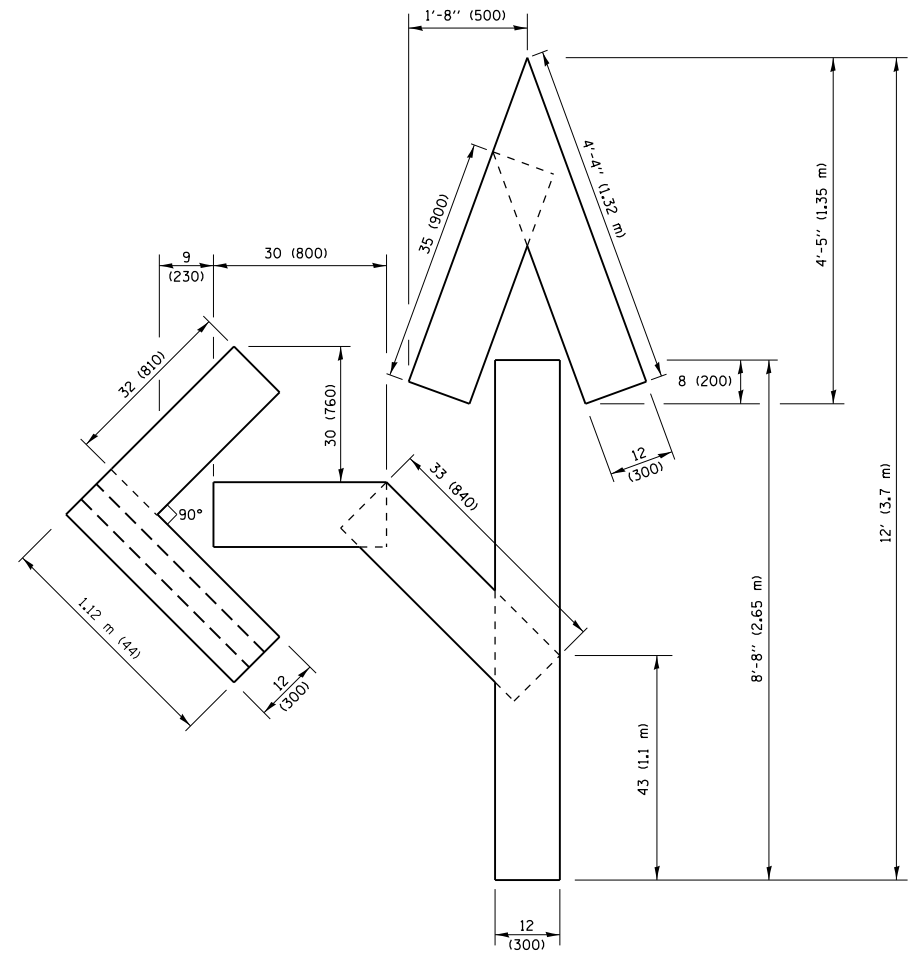
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|---|------------------------------|---------------------------------|--------------------------------|---|--|---------|-------------|--------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = ledezmar | REVISED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) | | | | F.A.P. R.T.E. = | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\DIS\084EBIDINTEG\Design\As-Built\084EBIDINTEG 11-07-95 | REVISED - A. HOUSEH 11-07-95 | REVISED - A. SCHUETZE 07-01-13 | REVISED - A. SCHUETZE 07-01-13 | | 365 | 57-RS-3 | DUPAGE | 67 | 64 | | | | |
| Default | PLOT SCALE = 100.0000' / in. | REVISED - A. HOUSEH 10-12-96 | REVISED - A. SCHUETZE 09-15-16 | | TC-14 | | | | CONTRACT NO. 60P68 | | | | |
| | PLOT DATE = 12/12/2018 | REVISED - T. RAMMACHER 01-06-00 | REVISED - | | SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | |



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

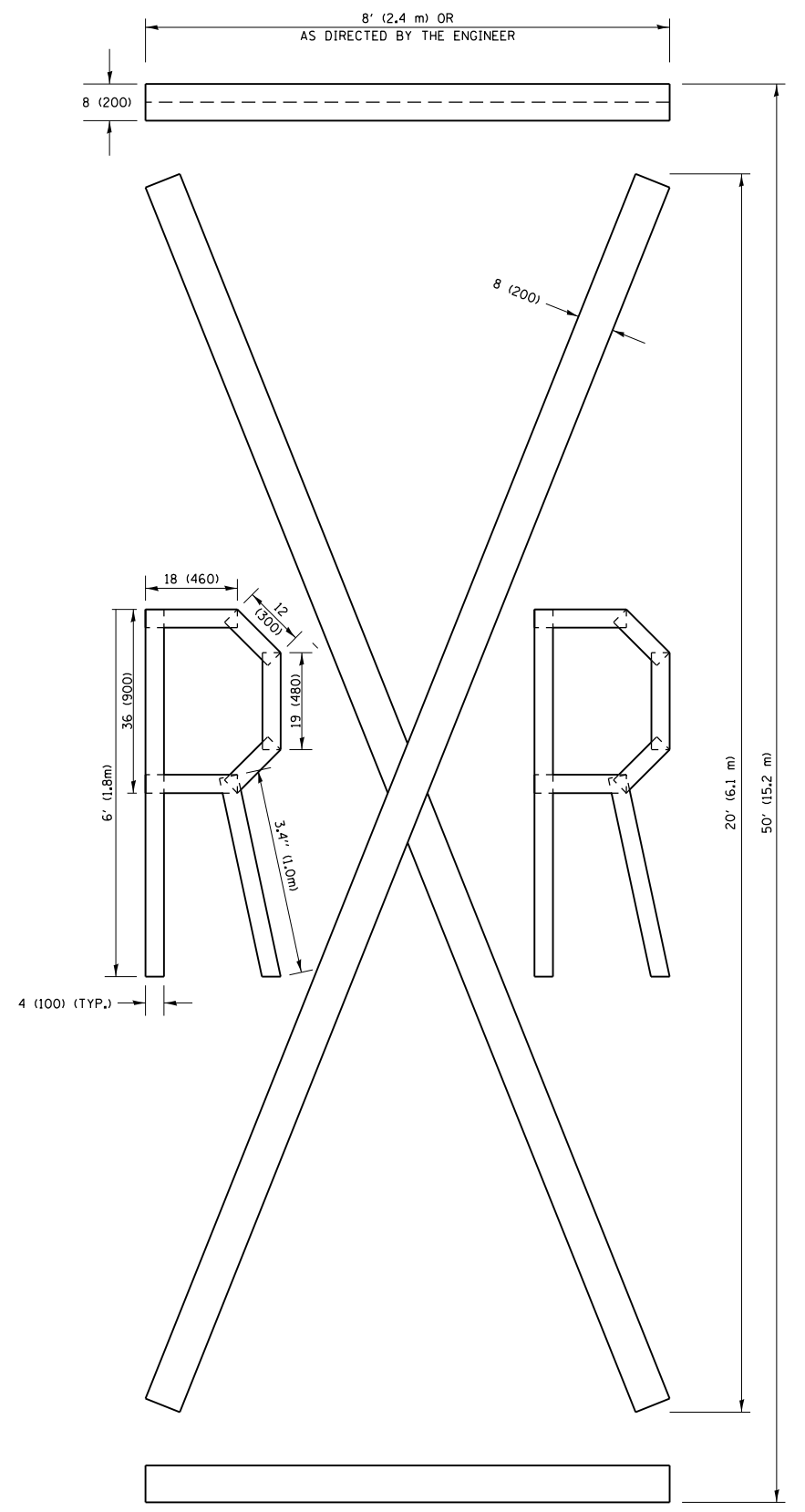


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

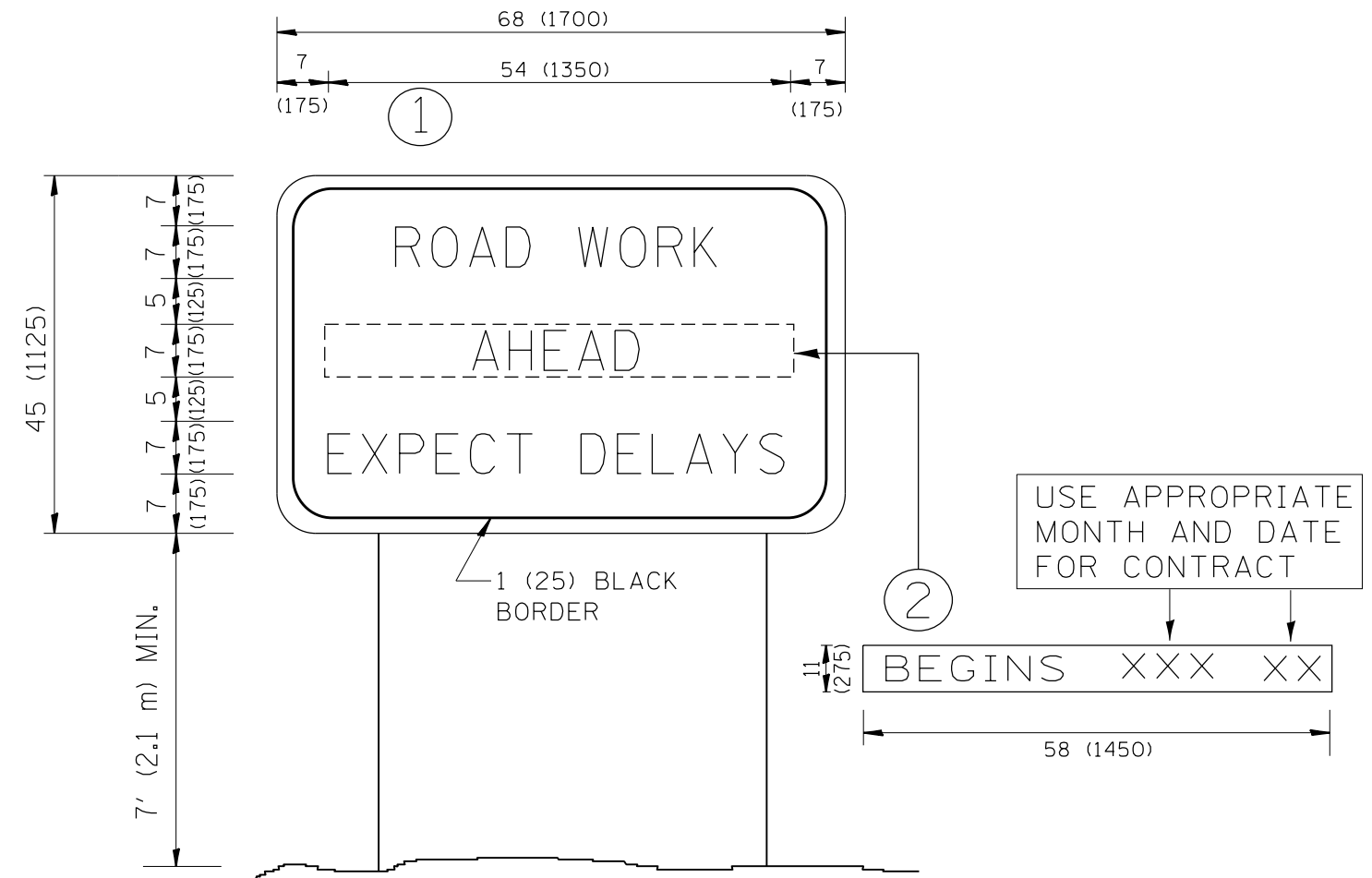
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|---|--------------------|-----------------|---------------------------------|
| FILE NAME = | USER NAME = ldezma | DESIGNED - | REVISED - T. RAMMACHER 03-02-98 |
| p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\0159\Drawings\Design\DistStd.dgn | | | REVISED - E. GOMEZ 08-28-00 |
| | | CHECKED - | REVISED - E. GOMEZ 08-28-00 |
| | | DATE - 09-18-94 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------------------------|------|---------|
| SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| | | | | |
|---|-----------------|---------------------------|-----------------|--------------|
| F.A.P. RTE. 365 | SECTION 57-RS-3 | COUNTY DUPAGE | TOTAL SHEETS 67 | SHEET NO. 65 |
| TC-16 | | CONTRACT NO. 60P68 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| | | | | | | | | | | |
|---|-------------------------------|------------|---------------------------------|---|---|--------------|-------------------------|---------------------------|--------------|-----------|
| FILE NAME = | USER NAME = ledezmar | DESIGNED - | REVISED - R. MIRS 09-15-97 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARTERIAL ROAD INFORMATION SIGN | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DIS99\Drawings\Design\DistStd.dgn | | | REVISED - R. MIRS 12-11-97 | | | 365 | 57-RS-3 | DUPAGE | 67 | 66 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 | | | TC-22 | | CONTRACT NO. 60P68 | | |
| | PLOT DATE = 12/12/2018 | DATE - | REVISED - C. JUCIUS 01-31-07 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | |

