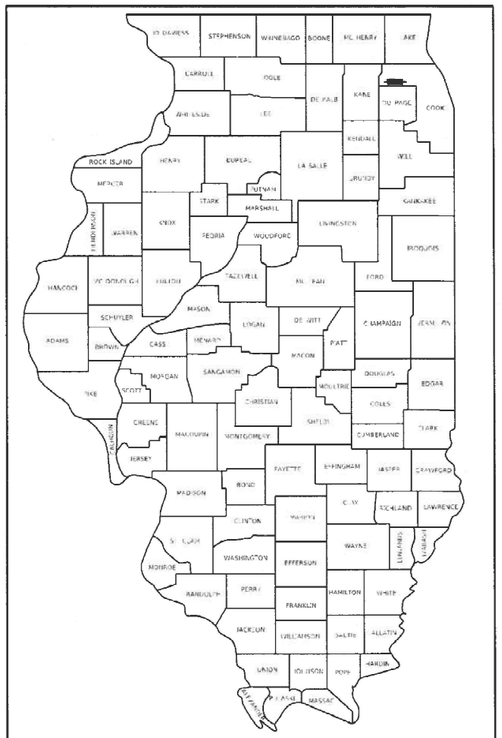
09-17-2021 LETTING ITEM 006

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 1 |
| | ILLINOIS | CONTRACT NO. 62K02 | | |

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

D-91-275-20


LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED IN THE VILLAGE OF HANOVER PARK

# PROPOSED HIGHWAY PLANS

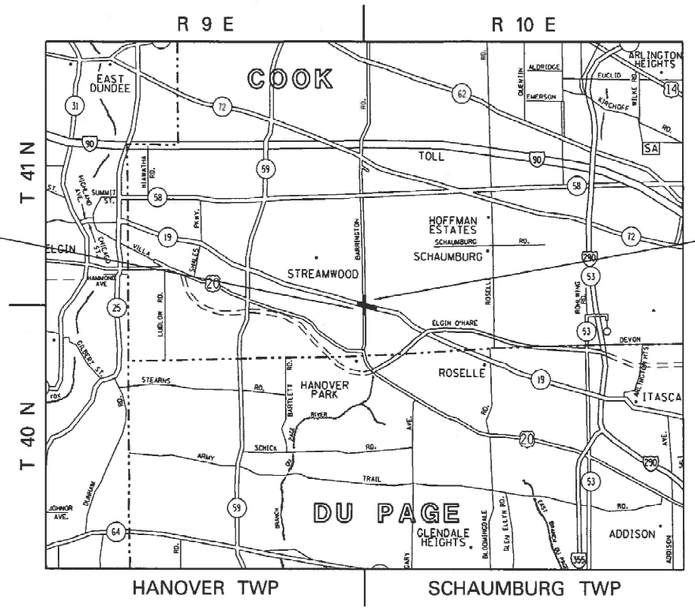
## F.A.U. ROUTE 1321 (IL 19 (IRVING PARK ROAD)) AT BARRINGTON ROAD
## SECTION: 2019–129–TS&N
## PROJECT: CMAQ–YIFW(123)
## INTERSECTION IMPROVEMENT, TRAFFIC SIGNAL MODERNIZATION
## COOK COUNTY

C–91–058–20

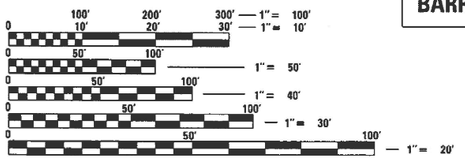
TRAFFIC DATA

| ROUTE SEGMENT | SPEED | ADT (YEAR) |
|---|---|---|
| IL 19 (IRVING PARK ROAD) | | |
| WEST OF BARRINGTON ROAD | 35 MPH | 24,500 (2019) |
| EAST OF BARRINGTON ROAD | 35 MPH | 34,800 (2019) |
| BARRINGTON ROAD | | |
| NORTH OF IL 19 (IRVING PARK ROAD) | 40 MPH | 34,300 (2018) |
| SOUTH OF IL 19 (IRVING PARK ROAD) | 40 MPH | 28,500 (2018) |

IMPROVEMENT BEGINS
IL 19: STA. 95 + 04
BARRINGTON RD.: STA. 55 + 98




IMPROVEMENT ENDS
IL 19: STA. 109 + 20
BARRINGTON RD.: STA. 69 + 64




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 EXCAVATORS
1–800–892–0123
OR 811

N
LOCATION MAP (NOT TO SCALE)

GROSS AND NET LENGTH = 2,897 FT. = 0.55 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 11 20 21
Jose Rios / CAB
REGIONAL ENGINEER
August 13, 2021
ENGINEER OF DESIGN AND ENVIRONMENT
August 13, 2021
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: DAN WILGREEN (847) 705–4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705–4247

CONTRACT NO. 62K02

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

## INDEX OF SHEETS


| SHEET NO. | DESCRIPTION |
|---|---|
| 1 | COVER SHEET |
| 2-3 | INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES |
| 4-18 | SUMMARY OF QUANTITIES |
| 19-23 | EXISTING AND PROPOSED TYPICAL SECTIONS |
| 24 | SCHEDULE OF QUANTITIES |
| 25-27 | ALIGNMENT, TIES, AND BENCHMARKS |
| 28-32 | EXISTING AND PROPOSED ROADWAY PLAN AND PROFILE |
| 33-39 | CURB RAMP DETAILS |
| 40-53 | SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL |
| 54-55 | EROSION AND SEDIMENT CONTROL PLAN |
| 56-60 | EXISTING AND PROPOSED DRAINAGE PLAN AND PROFILE |
| 61-66 | S.U.E. PLAN |
| 67-70 | PLAT OF HIGHWAYS |
| 71-72 | PAVEMENT MARKING PLAN |
| 73-74 | LANDSCAPING PLAN |
| 75-96 | TRAFFIC SIGNAL PLAN |
| 97-98 | DETECTOR LOOP REPLACEMENT PLAN |
| 99-108 | LIGHTING PLAN |
| 109-111 | EXISTING AND PROPOSED SIGNING PLAN |
| 112 | DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB AND EDGE OF SHOULDER >= 15' (4.5 m) (BD-01) |
| 113 | DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m) (BD-02) |
| 114 | DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8) |
| 115 | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22) |
| 116 | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24) |
| 117 | BUTT JOINT AND HMA TAPER DETAILS (BD-32) |
| 118 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10) |
| 119 | TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11) |
| 120 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) |
| 121 | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14) |
| 122 | PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16) |
| 123 | ARTERIAL ROAD INFORMATION SIGN (TC-22) |
| 124 | DRIVEWAY ENTRANCE SIGNING (TC-26) |
| 125 | DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07) |
| 126-135 | EXISTING AND PROPOSED CROSS SECTIONS |


## HIGHWAY STANDARDS

| STANDARD NO. | DESCRIPTION |
|---|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-11 | PERPENDICULAR CURP RAMPS FOR SIDEWALKS |
| 424011-04 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424021-06 | DEPRESSED CORNER FOR SIDEWALKS |
| 424026-03 | ENTRANCE / ALLEY PEDESTRIAN CROSSINGS |
| 442201-03 | CLASS C AND D PATCHES |
| 601001-05 | PIPE UNDERDRAINS |
| 602001-02 | CATCH BASIN TYPE A |
| 602011-02 | CATCH BASIN TYPE C |
| 602601-06 | PRECEST REINFORCED CONCRETE FLAT SLAB TOP |
| 604001-05 | FRAME AND LIDS, TYPE 1 |
| 604091-04 | FRAME AND GRATE TYPE 24 |
| 606001-07 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 606301-04 | PC CONCRETE ISLANDS AND MEDIANS |
| 701101-05 | OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24'' (600 mm) FROM PAVEMENT EDGE |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE 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 |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 731001-01 | BASE FOR TELESCOPING STEEL SIGN SUPPORT |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 814001-03 | HANDHOLES |
| 814006-03 | DOUBLE HANDHOLES |
| 862001-01 | UNINTERRUPTABLE POWER SUPPLY (UPS) |
| 873001-02 | TRAFFIC SIGNAL GROUNDING AND BONDING |
| 877001-08 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 878001-11 | CONCRETE FOUNDATION DETAILS |
| 880001-01 | SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |

## GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED). THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF HANOVER PARK.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
4. 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.
5. 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.
6. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE LIMITS THAT CONFLICT WITH MAINTENANCE OF TRAFFIC STRIPING IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
8. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
10. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, EMAD ALHUSSEINI, AT EMAD.ALHUSSEINI@ILLINOIS.GOV TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
13. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
14. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
15. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)".
16. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
17. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF 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.
18. FINAL SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
19. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
20. 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.
21. 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 2 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## GENERAL NOTES CONTINUED

22. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM OF 6'' BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

23. TOP OF GRATE ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST. TOP OF GRATE ELEVATIONS SHOWN ON THE PLANS FOR STRUCTURES LOCATED IN THE CURB LINE ARE GIVEN AT THE EDGE OF PAVEMENT. PROPOSED SEWER LENGTHS PROVIDED IN THE QUANTITIES ARE FROM THE CENTER OF THE STRUCTURES.

24. PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.

25. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

26. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

27. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE IDOT SUBGRADE STABILITY MANUAL. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE INSTALLED WHERE ASI IS USED. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

28. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

29. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

30. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOIR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.

31. PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.

32. LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS FOR TRAFFIC SIGNAL MAST ARM/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO INSURE ADA COMPLIANCE.

33. THE RESIDENT ENGINEER SHALL CONTACT PACE'S TRANSPORTATION ENGINEER AT TRANSPORTATION.ENGINEER@PACEBUS.COM SEVEN (7) DAYS PRIOR TO BEGINNING DEMOLITION OF SIDEWALK AT THE NORTHWEST AND NORTHEAST CORNERS OF BARRINGTON RD. AND TANGLEWOOD AVE. AND THE SOUTHEAST CORNER OF BARRINGTON RD. AND BRISTOL LN.

34. THE CONTRACTOR SHALL TAKE EXTRA CARE WHILE PERFORMING ANY WORK IN THE VICINITY OF THE NSMJAWA 30'' HIGH PRESSURE WATERMAIN THAT IS LOCATED ALONG THE EAST SIDE OF BARRINGTON RD. SEE THE EXISTING DRAINAGE PLAN AND S.U.E. PLAN FOR LOCATION.

35. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF HANOVER PARK. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

36. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171, TO SCHEDULE A WALK THROUGH TO DETERMINE TREES FOR TREE CARE AT LEAST 7 DAYS PRIOR TO THE COMMENCEMENT OF TREE CARE WORK.

37. THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE PERENNIALS AND BULBS.

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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 3 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| | SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 80% FED 20% STATE | 80% FED 20% STATE | 80% FED 20% STATE | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% STATE | | | | | | | | | | | |
| | | | | URBAN | ROADWAY 0004 | TR. SIGNALS 0021 | INTERCONNECT 0021 | E.V.P. 0021 | LED STREET NAME SIGNS 0021 | STREET LIGHTING 0021 | PAINTED TR. SIGNAL POSTS & POLES 0021 | ROADWAY 0004 | | | | | | | | | | | |
| | 20200100 | EARTH EXCAVATION | CU YD | 1296 | 1296 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE | CU YD | 1782 | 1782 | | | | | | | | | | | | | | | | | | |
| | | MATERIAL | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 20400800 | FURNISHED EXCAVATION | CU YD | 169 | 169 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 20800150 | TRENCH BACKFILL | CU YD | 30.4 | 30.4 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 21001000 | GEOTECHNICAL FABRIC FOR GROUND | SQ YD | 435 | 435 | | | | | | | | | | | | | | | | | | |
| | | STABILIZATION | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| * | 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 1454 | 1454 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| * | 21101685 | TOPSOIL FURNISH AND PLACE, 24" | SQ YD | 52 | 52 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| * | 25200110 | SODDING, SALT TOLERANT | SQ YD | 1304 | 1304 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| * | 25200200 | SUPPLEMENTAL WATERING | UNIT | 361 | 361 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 381 | 381 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 28000400 | PERIMETER EROSION BARRIER | FOOT | 2336 | 2336 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 28000510 | INLET FILTERS | EACH | 53 | 53 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 30300001 | AGGREGATE SUBGRADE IMPROVEMENT | CU YD | 145 | 145 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SQ YD | 3534 | 3534 | | | | | | | | | | | | | | | | | | |
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* SPECIALTY ITEMS

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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 4 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE: 80% FED 20% STATE | 80% FED 20% STATE | 80% FED 20% STATE | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% STATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | URBAN | ROADWAY 0004 | TR. SIGNALS 0021 | INTERCONNECT 0021 | E.V.P. 0021 | LED STREET NAME SIGNS 0021 | STREET LIGHTING 0021 | PAINTED TR. SIGNAL POSTS & POLES 0021 | ROADWAY 0004 |
| 31100300 | SUBBASE GRANULAR MATERIAL, TYPE A 4" | SQ YD | 20 | 20 | | | | | | | |
| 35400450 | PORTLAND CEMENT CONCRETE BASE COURSE | SQ YD | 117 | 117 | | | | | | | |
| | WIDENING 9 1/2" | | | | | | | | | | |
| 35501316 | HOT-MIX ASPHALT BASE COURSE, 8" | SQ YD | 595 | 595 | | | | | | | |
| 35501322 | HOT-MIX ASPHALT BASE COURSE, 9 1/2" | SQ YD | 995 | 995 | | | | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 15037 | 15037 | | | | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND | TON | 31 | 31 | | | | | | | |
| | FLANGEWAYS | | | | | | | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT | SQ YD | 169 | 169 | | | | | | | |
| | JOINT | | | | | | | | | | |
| 40601005 | HOT-MIX ASPHALT REPLACEMENT OVER | TON | 68 | 68 | | | | | | | |
| | PATCHES | | | | | | | | | | |
| 40603200 | POLYMERIZED HOT-MIX ASPHALT BINDER | TON | 1174 | 1174 | | | | | | | |
| | COURSE, IL-4.75, N50 | | | | | | | | | | |
| 40604060 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, | TON | 67 | 67 | | | | | | | |
| | MIX "D", N50 | | | | | | | | | | |
| 40605026 | POLYMERIZED HOT-MIX ASPHALT SURFACE | TON | 2390 | 2390 | | | | | | | |
| | COURSE, STONE MATRIX ASPHALT, 9.5, MIX | | | | | | | | | | |
| | "F", N80 | | | | | | | | | | |

* SPECIALTY ITEMS

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|---|---|---|---|
| FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 5 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 42001300 | PROTECTIVE COAT | SQ YD | 5859 | 5859 | | | | | | | |
| 42300400 | PORTLAND CEMENT CONCRETE DRIVEWAY | SQ YD | 290 | 290 | | | | | | | |
| | PAVEMENT, 8 INCH | | | | | | | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 18740 | 18740 | | | | | | | |
| 42400410 | PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH | SQ FT | 1834 | 1834 | | | | | | | |
| 42400435 | PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH | SQ FT | 2039 | 2039 | | | | | | | |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 402 | 402 | | | | | | | |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 2710 | 2710 | | | | | | | |
| 44000161 | HOT-MIX ASPHALT SURFACE REMOVAL, 3" | SQ YD | 20219 | 20219 | | | | | | | |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 1320 | 1320 | | | | | | | |
| 44000300 | CURB REMOVAL | FOOT | 634 | 634 | | | | | | | |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 4228 | 4228 | | | | | | | |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 13281 | 13281 | | | | | | | |
| 44002212 | HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3" | SQ YD | 403 | 403 | | | | | | | |
| 44003100 | MEDIAN REMOVAL | SQ FT | 8526 | 8526 | | | | | | | |
| 44201765 | CLASS D PATCHES, TYPE II, 10 INCH | SQ YD | 129 | 129 | | | | | | | |

* SPECIALTY ITEMS

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|---|---|---|---|
| FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 6 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 44201769 | CLASS D PATCHES, TYPE III, 10 INCH | SQ YD | 100 | 100 | | | | | | | |
| 44201771 | CLASS D PATCHES, TYPE IV, 10 INCH | SQ YD | 111 | 111 | | | | | | | |
| 550A0050 | STORM SEWERS, CLASS A, TYPE 1 12" | FOOT | 56.9 | 56.9 | | | | | | | |
| 550A0340 | STORM SEWERS, CLASS A, TYPE 2 12" | FOOT | 56.5 | 56.5 | | | | | | | |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 47 | 47 | | | | | | | |
| 60108204 | PIPE UNDERDRAINS, TYPE 2, 4" | FOOT | 1925 | 1925 | | | | | | | |
| 60201340 | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE | EACH | 1 | 1 | | | | | | | |
| 60206905 | CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID | EACH | 1 | 1 | | | | | | | |
| 60208240 | CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE | EACH | 5 | 5 | | | | | | | |
| 60250400 | CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID | EACH | 3 | 3 | | | | | | | |
| 60250500 | CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID | EACH | 5 | 5 | | | | | | | |
| 60262700 | INLETS TO BE RECONSTRUCTED | EACH | 1 | 1 | | | | | | | |
| 60266600 | VALVE BOXES TO BE ADJUSTED | EACH | 1 | 1 | | | | | | | |

* SPECIALTY ITEMS

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| FILE NAME = pw:\\planroomdot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 7 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

| | SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 80% FED 20% STATE | 80% FED 20% STATE | 80% FED 20% STATE | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% STATE | | | | | | | | | | | | | | |
| | | | URBAN | ROADWAY 0004 | TR. SIGNALS 0021 | INTERCONNECT 0021 | E.V.P. 0021 | LED STREET NAME SIGNS 0021 | STREET LIGHTING 0021 | PAINTED TR. SIGNAL POSTS & POLES 0021 | ROADWAY 0004 | | | | | | | | | | | | | | |
| 60300105 | FRAMES AND GRATES TO BE ADJUSTED | EACH | 18 | 18 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60300305 | FRAMES AND LIDS TO BE ADJUSTED | EACH | 28 | 28 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60406000 | FRAMES AND LIDS, TYPE 1, OPEN LID | EACH | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60406100 | FRAMES AND LIDS, TYPE 1, CLOSED LID | EACH | 5 | 5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60500060 | REMOVING INLETS | EACH | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60600605 | CONCRETE CURB, TYPE B | FOOT | 1374 | 1374 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60603800 | COMBINATION CONCRETE CURB AND GUTTER, | FOOT | 264 | 264 | | | | | | | | | | | | | | | | | | | | | |
| | TYPE B-6.12 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60605000 | COMBINATION CONCRETE CURB AND GUTTER, | FOOT | 3894 | 3894 | | | | | | | | | | | | | | | | | | | | | |
| | TYPE B-6.24 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60622000 | CONCRETE MEDIAN, TYPE SM-2.12 | SQ FT | 772 | 772 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 1000 | 1000 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 5 | 5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION | LSUM | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| | PLAN | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION | LSUM | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| | REPORT | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 20 | 20 | | | | | | | | | | | | | | | | | | | | | |

* SPECIALTY ITEMS

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|---|---|---|---|
| FILE NAME = | USER NAME = tarlafm | DESIGNED - | REVISED - |
| pw:\\planroomdot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 8 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 12 | 12 | | | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | | | | |
| 70103815 | TRAFFIC CONTROL SURVEILLANCE | CAL DA | 64 | 64 | | | | | | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 170 | 170 | | | | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 16121 | 16121 | | | | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 5374 | 5374 | | | | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SQ FT | 800.8 | 800.8 | | | | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 7992 | 7992 | | | | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 3816 | 3816 | | | | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 1635 | 1635 | | | | | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 384 | 384 | | | | | | | |
| 70300520 | PAVEMENT MARKING TAPE, TYPE III 4" | FOOT | 4030 | 4030 | | | | | | | |
| 70300900 | PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS | SQ FT | 1347 | 1347 | | | | | | | |
| 70300904 | PAVEMENT MARKING TAPE, TYPE IV 4" | FOOT | 21276 | 21276 | | | | | | | |
| 70300906 | PAVEMENT MARKING TAPE, TYPE IV 6" | FOOT | 5559 | 5559 | | | | | | | |

* SPECIALTY ITEMS

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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

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|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 9 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 70300908 | PAVEMENT MARKING TAPE, TYPE IV 8" | FOOT | 61 | 61 | | | | | | | |
| | 70300912 | PAVEMENT MARKING TAPE, TYPE IV 12" | FOOT | 226 | 226 | | | | | | | |
| | 70300924 | PAVEMENT MARKING TAPE, TYPE IV 24" | FOOT | 97 | 97 | | | | | | | |
| * | 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 76 | 46 | 30 | | | | | | |
| * | 72000200 | SIGN PANEL - TYPE 2 | SQ FT | 10 | 10 | | | | | | | |
| * | 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 16 | 16 | | | | | | | |
| * | 72400310 | REMOVE SIGN PANEL - TYPE 1 | SQ FT | 76 | 76 | | | | | | | |
| * | 72400320 | REMOVE SIGN PANEL - TYPE 2 | SQ FT | 10 | 10 | | | | | | | |
| * | 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 10 | 10 | | | | | | | |
| * | 72400710 | RELOCATE SIGN PANEL - TYPE 1 | SQ FT | 70 | 70 | | | | | | | |
| * | 72800100 | TELESCOPING STEEL SIGN SUPPORT | FOOT | 186 | 186 | | | | | | | |
| * | 73100100 | BASE FOR TELESCOPING STEEL SIGN SUPPORT | EACH | 12 | 12 | | | | | | | |
| * | 78000100 | THERMOPLASTIC PAVEMENT MARKING - | SQ FT | 800.8 | 800.8 | | | | | | | |
| | | LETTERS AND SYMBOLS | | | | | | | | | | |
| * | 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 7992 | 7992 | | | | | | | |
| * | 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 3816 | 3816 | | | | | | | |

* SPECIALTY ITEMS

| | | | |
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| FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 10 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 1635 | 1635 | | | | | | | |
| * | 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 384 | 384 | | | | | | | |
| * | 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 299 | 299 | | | | | | | |
| | 78300200 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 299 | 299 | | | | | | | |
| | | REMOVAL | | | | | | | | | | |
| | 78300201 | PAVEMENT MARKING REMOVAL - GRINDING | SQ FT | 4107 | 4107 | | | | | | | |
| | 78300202 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 636 | 636 | | | | | | | |
| * | 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, | FOOT | 1978 | | 1237 | 741 | | | | | |
| | | 2" DIA. | | | | | | | | | | |
| * | 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, | FOOT | 874 | | 145 | | | | 729 | | |
| | | 3" DIA. | | | | | | | | | | |
| * | 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, | FOOT | 564 | | 564 | | | | | | |
| | | 4" DIA. | | | | | | | | | | |
| * | 81400100 | HANDHOLE | EACH | 5 | | 4 | 1 | | | | | |
| * | 81400200 | HEAVY-DUTY HANDHOLE | EACH | 4 | | 4 | | | | | | |
| * | 81400300 | DOUBLE HANDHOLE | EACH | 3 | | 3 | | | | | | |
| * | 81603032 | UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 | FOOT | 468 | | | | | | 468 | | |
| | | GROUND, (XLP-TYPE USE), 1 1/4" DIA. | | | | | | | | | | |
| | | POLYETHYLENE | | | | | | | | | | |

* SPECIALTY ITEMS

| | | | |
|---|---|---|---|
| FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 11 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 81603090 | UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 | FOOT | 2292 | | | | | | 2292 | | |
| | | GROUND, (XLP-TYPE USE), 1 1/4" DIA. | | | | | | | | | | |
| | | POLYETHYLENE | | | | | | | | | | |
| | | | | | | | | | | | | |
| * | 82110008 | LUMINAIRE, LED, ROADWAY, OUTPUT | EACH | 41 | | | | | | 41 | | |
| | | DESIGNATION H | | | | | | | | | | |
| | | | | | | | | | | | | |
| * | 83050810 | LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 | EACH | 2 | | | | | | 2 | | |
| | | FT. MAST ARM | | | | | | | | | | |
| | | | | | | | | | | | | |
| * | 83600200 | LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 40 | | | | | | 40 | | |
| | | | | | | | | | | | | |
| * | 83600365 | LIGHT POLE FOUNDATION, METAL, 15" BOLT | EACH | 13 | | | | | | 13 | | |
| | | CIRCLE, 10" X 8' | | | | | | | | | | |
| | | | | | | | | | | | | |
| * | 83800205 | BREAKAWAY DEVICE, TRANSFORMER BASE, 15 | EACH | 3 | | | | | | 3 | | |
| | | INCH BOLT CIRCLE | | | | | | | | | | |
| | | | | | | | | | | | | |
| * | 84200500 | REMOVAL OF LIGHTING UNIT, SALVAGE | EACH | 2 | | | | | | 2 | | |
| | | | | | | | | | | | | |
| * | 84200804 | REMOVAL OF POLE FOUNDATION | EACH | 13 | | | | | | 13 | | |
| | | | | | | | | | | | | |
| * | 84400105 | RELOCATE EXISTING LIGHTING UNIT | EACH | 13 | | | | | | 13 | | |
| | | | | | | | | | | | | |
| * | 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL | EACH | 3 | | | 3 | | | | | |
| | | INSTALLATION | | | | | | | | | | |
| | | | | | | | | | | | | |
| * | 85100500 | PAINT NEW TRAFFIC SIGNAL POST | EACH | 4 | | | | | | | 4 | |
| | | | | | | | | | | | | |
| * | 85100600 | PAINT NEW MAST ARM AND POLE, UNDER 40 | EACH | 1 | | | | | | | 1 | |
| | | FOOT | | | | | | | | | | |

* SPECIALTY ITEMS

| | | | |
|---|---|---|---|
| FILE NAME = pw:\\planroomdot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 12 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 85100701 | PAINT NEW MAST ARM AND POLE, 40 FOOT | EACH | 3 | | | | | | | 3 | |
| | | AND OVER | | | | | | | | | | |
| * | 86400100 | TRANSCEIVER - FIBER OPTIC | EACH | 1 | | | 1 | | | | | |
| * | 87300925 | ELECTRIC CABLE IN CONDUIT, TRACER, NO. | FOOT | 2610 | | | 2610 | | | | | |
| | | 14 1C | | | | | | | | | | |
| * | 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. | FOOT | 1550 | | 1550 | | | | | | |
| | | 14 2C | | | | | | | | | | |
| * | 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. | FOOT | 2200 | | 2200 | | | | | | |
| | | 14 3C | | | | | | | | | | |
| * | 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. | FOOT | 2200 | | 2200 | | | | | | |
| | | 14 5C | | | | | | | | | | |
| * | 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. | FOOT | 2340 | | 2340 | | | | | | |
| | | 14 7C | | | | | | | | | | |
| * | 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. | FOOT | 6124 | | 6124 | | | | | | |
| | | 14 1 PAIR | | | | | | | | | | |
| * | 87301805 | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. | FOOT | 120 | | 120 | | | | | | |
| | | 6 2 C | | | | | | | | | | |
| * | 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT | FOOT | 950 | | 950 | | | | | | |
| | | GROUNDING CONDUCTOR, NO. 6 1C | | | | | | | | | | |
| * | 87502500 | TRAFFIC SIGNAL POST, GALVANIZED STEEL | EACH | 4 | | 4 | | | | | | |
| | | 16 FT. | | | | | | | | | | |

* SPECIALTY ITEMS

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|---|---|---|---|
| FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 13 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 87700200 | STEEL MAST ARM ASSEMBLY AND POLE, 32 FT. | EACH | 1 | | 1 | | | | | | |
| * | 87700240 | STEEL MAST ARM ASSEMBLY AND POLE, 40 FT. | EACH | 1 | | 1 | | | | | | |
| * | 87700260 | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 | | 1 | | | | | | |
| * | 87700290 | STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 1 | | 1 | | | | | | |
| * | 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 20 | | 20 | | | | | | |
| * | 87800150 | CONCRETE FOUNDATION, TYPE C | FOOT | 4 | | 4 | | | | | | |
| * | 87800400 | CONCRETE FOUNDATION, TYPE E 30-INCH | FOOT | 14 | | 14 | | | | | | |
| | | DIAMETER | | | | | | | | | | |
| * | 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH | FOOT | 41 | | 41 | | | | | | |
| | | DIAMETER | | | | | | | | | | |
| * | 87900200 | DRILL EXISTING HANDHOLE | EACH | 1 | | | 1 | | | | | |
| * | 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, | EACH | 7 | | 7 | | | | | | |
| | | MAST-ARM MOUNTED | | | | | | | | | | |
| * | 88030050 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, | EACH | 3 | | 3 | | | | | | |
| | | BRACKET MOUNTED | | | | | | | | | | |
| * | 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, | EACH | 5 | | 5 | | | | | | |
| | | BRACKET MOUNTED | | | | | | | | | | |
| * | 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, | EACH | 5 | | 5 | | | | | | |
| | | MAST-ARM MOUNTED | | | | | | | | | | |

* SPECIALTY ITEMS

| | | | |
|---|---|---|---|
| FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 14 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | 88102717 | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, | EACH | 8 | | 8 | | | | | | |
| | | BRACKET MOUNTED WITH COUNTDOWN TIMER | | | | | | | | | | |
| * | 88200410 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, | EACH | 12 | | 12 | | | | | | |
| | | FORMED PLASTIC | | | | | | | | | | |
| * | 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 20 | | 20 | | | | | | |
| * | 88600100 | DETECTOR LOOP, TYPE I | FOOT | 2393 | 583 | 1810 | | | | | | |
| * | 88700200 | LIGHT DETECTOR | EACH | 3 | | | | 3 | | | | |
| * | 88700300 | LIGHT DETECTOR AMPLIFIER | EACH | 1 | | | | 1 | | | | |
| * | 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 8 | | 8 | | | | | | |
| * | 89000200 | TEMPORARY TRAFFIC SIGNAL INSTALLATION | L SUM | 1 | | 1 | | | | | | |
| * | 89500400 | RELOCATE EXISTING PEDESTRIAN | EACH | 4 | 4 | | | | | | | |
| | | PUSH-BUTTON | | | | | | | | | | |
| * | 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 12804 | | | 2700 | | | 10104 | | |
| * | 89502375 | REMOVE EXISTING TRAFFIC SIGNAL | EACH | 1 | | 1 | | | | | | |
| | | EQUIPMENT | | | | | | | | | | |
| * | 89502376 | REBUILD EXISTING HANDHOLE | EACH | 1 | 1 | | | | | | | |
| * | 89502380 | REMOVE EXISTING HANDHOLE | EACH | 14 | | 11 | 3 | | | | | |
| * | 89502382 | REMOVE EXISTING DOUBLE HANDHOLE | EACH | 2 | | 2 | | | | | | |

* SPECIALTY ITEMS

| | | | |
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| FILE NAME = pw:\\planroomdot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\PI255\3\CADData\Design\PI255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 15 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

| | SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CODE NO | ITEM | UNIT | | 80% FED 20% STATE | 80% FED 20% STATE | 80% FED 20% STATE | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% STATE | | | | | | | | | | | | |
| | | | | | ROADWAY 0004 | TR. SIGNALS 0021 | INTERCONNECT 0021 | E.V.P. 0021 | LED STREET NAME SIGNS 0021 | STREET LIGHTING 0021 | PAINTED TR. SIGNAL POSTS & POLES 0021 | ROADWAY 0004 | | | | | | | | | | | | |
| | | | | URBAN | | | | | | | | | | | | | | | | | | | | |
| * | 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 9 | | 9 | | | | | | | | | | | | | | | | | | |
| * | K0012970 | PERENNIAL PLANTS, BULB TYPE | UNIT | 6 | 6 | | | | | | | | | | | | | | | | | | | |
| * | K0012990 | PERENNIAL PLANTS, ORNAMENTAL TYPE, | UNIT | 3 | 3 | | | | | | | | | | | | | | | | | | | |
| | | GALLON POT | | | | | | | | | | | | | | | | | | | | | | |
| * | K0026700 | TREE CARE | EACH | 4 | 4 | | | | | | | | | | | | | | | | | | | |
| * | K0036118 | MULCH PLACEMENT 3" | SQ YD | 33 | 33 | | | | | | | | | | | | | | | | | | | |
| * | X0324085 | EMERGENCY VEHICLE PRIORITY SYSTEM LINE | FOOT | 623 | | | | 623 | | | | | | | | | | | | | | | | |
| | | SENSOR CABLE, NO. 20 3/C | | | | | | | | | | | | | | | | | | | | | | |
| * | X0324599 | ROD AND CLEAN EXISTING CONDUIT | FOOT | 1200 | | | 1200 | | | | | | | | | | | | | | | | | |
| * | X0327485 | MAST ARM, STREET LIGHTING, 15' | EACH | 2 | | | | | | 2 | | | | | | | | | | | | | | |
| * | X0327698 | LED INTERNALLY ILLUMINATED STREET NAME | EACH | 4 | | | | | 4 | | | | | | | | | | | | | | | |
| | | SIGN | | | | | | | | | | | | | | | | | | | | | | |
| * | X1400108 | FULL-ACTUATED CONTROLLER AND TYPE SUPER | EACH | 1 | | 1 | | | | | | | | | | | | | | | | | | |
| | | R CABINET (SPECIAL) | | | | | | | | | | | | | | | | | | | | | | |
| * | X1400150 | SERVICE INSTALLATION, GROUND MOUNTED, | EACH | 1 | | 1 | | | | | | | | | | | | | | | | | | |
| | | METERED | | | | | | | | | | | | | | | | | | | | | | |
| * | X1400367 | PEDESTRIAN SIGNAL POST, 10 FT. | EACH | 1 | | 1 | | | | | | | | | | | | | | | | | | |
| * | X1400424 | ELECTRIC CABLE IN CONDUIT, STREET NAME | FOOT | 898 | | | | | 898 | | | | | | | | | | | | | | | |
| | | SIGN, NO. 14 3C, TYPE SOOW | | | | | | | | | | | | | | | | | | | | | | |

* SPECIALTY ITEMS

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| FILE NAME = pw:\\planroomdd.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P1255\3\CADData\Design\P1255\3-sht-SOQ.dgn | USER NAME = tarlafm | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 16 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

| | SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 80% FED 20% STATE | 80% FED 20% STATE | 80% FED 20% STATE | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% HANOVER PARK | 100% STATE | | | | | | | | | | | | | | | |
| | | | URBAN | ROADWAY 0004 | TR. SIGNALS 0021 | INTERCONNECT 0021 | E.V.P. 0021 | LED STREET NAME SIGNS 0021 | STREET LIGHTING 0021 | PAINTED TR. SIGNAL POSTS & POLES 0021 | ROADWAY 0004 | | | | | | | | | | | | | | | |
| X4022000 | TEMPORARY ACCESS (COMMERCIAL ENTRANCE) | EACH | 17 | 17 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X4401198 | HOT-MIX ASPHALT SURFACE REMOVAL, | SQ YD | 165 | 165 | | | | | | | | | | | | | | | | | | | | | | |
| | VARIABLE DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 100 | | | | | | | | 100 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X5537900 | STORM SEWERS TO BE CLEANED 15" | FOOT | 100 | | | | | | | | 100 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X6030310 | FRAMES AND LIDS TO BE ADJUSTED | EACH | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | |
| | (SPECIAL) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X6061100 | CONCRETE MEDIAN, TYPE SB (SPECIAL) | SQ FT | 11114 | 11114 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, | L SUM | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| | (SPECIAL) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X7030005 | TEMPORARY PAVEMENT MARKING REMOVAL | SQ FT | 20798 | 20798 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * X8100105 | CONDUIT SPLICE | EACH | 2 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * X8620200 | UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * X8710024 | FIBER OPTIC CABLE IN CONDUIT, NO. | FOOT | 2690 | | | 2690 | | | | | | | | | | | | | | | | | | | | |
| | 62.5/125, MM12F SM24F | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * X8780012 | CONCRETE FOUNDATION, TYPE A 12-INCH | FOOT | 4 | | 4 | | | | | | | | | | | | | | | | | | | | | |
| | DIAMETER | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * X8950100 | RELOCATE EXISTING MASTER CONTROLLER | EACH | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

* SPECIALTY ITEMS

| | | | |
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| | PLOT SCALE = 100.0000 ' / In. | CHECKED - | REVISED - |
| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 17 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## SUMMARY OF QUANTITIES

| | CODE NO | ITEM | UNIT | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE: 80% FED 20% STATE ROADWAY 0004 | 80% FED 20% STATE TR. SIGNALS 0021 | 80% FED 20% STATE INTERCONNECT 0021 | 100% HANOVER PARK E.V.P. 0021 | 100% HANOVER PARK LED STREET NAME SIGNS 0021 | 100% HANOVER PARK STREET LIGHTING 0021 | 100% HANOVER PARK PAINTED TR. SIGNAL POSTS & POLES 0021 | 100% STATE ROADWAY 0004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | | | | | | | |
| | Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 43 | | | | | | | | 43 |
| | Z0030850 | TEMPORARY INFORMATION SIGNING | SQ FT | 315.3 | 315.3 | | | | | | | |
| * | Z0033028 | MAINTENANCE OF LIGHTING SYSTEM | CAL MO | 6 | | | | | | 6 | | |
| * | Z0033046 | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2 | EACH | 1 | | | 1 | | | | | |
| | Z0062456 | TEMPORARY PAVEMENT | SQ YD | 915 | 915 | | | | | | | |
| | Z0062458 | TEMPORARY PAVEMENT (VARIABLE DEPTH) | TON | 187 | 187 | | | | | | | |
| * | Z0073510 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 | | 1 | | | | | | |
| Ø | Z0076600 | TRAINEES | HOURS | 500 | 500 | | | | | | | |
| Ø | Z0076604 | TRAINEES-TRAINING PROGRAM GRADUATE | HOURS | 500 | 500 | | | | | | | |

Ø 0042

REV-SEP

* SPECIALTY ITEMS

| | | | |
|---|---|---|---|
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| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

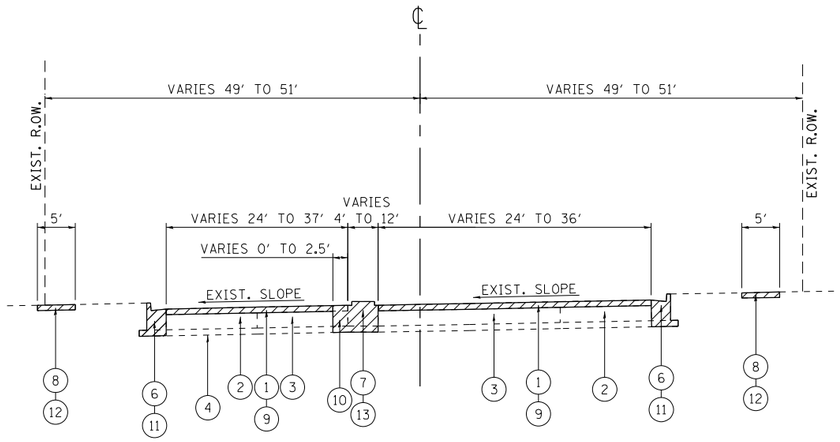
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

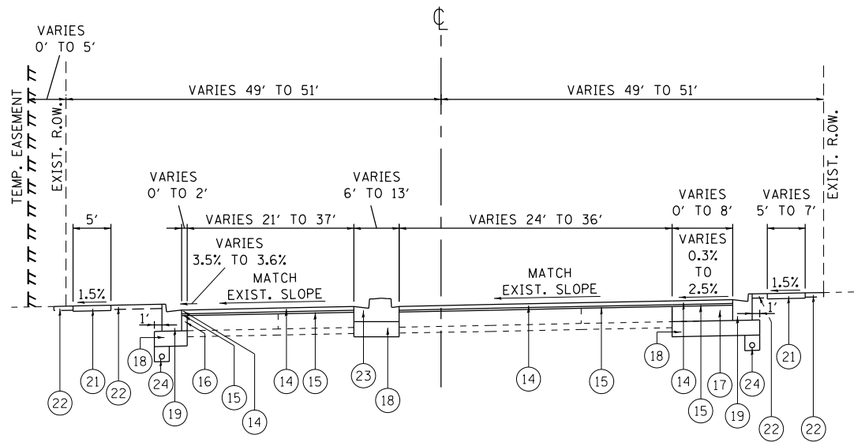
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 18 |
| | | CONTRACT NO. 62K02 | | |

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT




## IL 19 (IRVING PARK RD.)
## EXISTING TYPICAL SECTION

STA. 95+04 TO STA. 100+00




## IL 19 (IRVING PARK RD.)
## PROPOSED TYPICAL SECTION

STA. 95+04 TO STA. 100+00

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | | | |
|---|---|---|---|
| MIXTURE USES | MIXTURE TYPE | AIR VOIDS @ Ndes | QUALITY MANAGEMENT PROGRAM (QMP) |
| PAVEMENT WIDENING OR RECONSTRUCTION | POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80; 2" | 3.5% @ 80 GYR. | QCP |
| | POLYMERIZED HMA BINDER COURSE, IL-4.75, N50; 1" | 3.5% @ 50 GYR. | QC/QA |
| | HMA BASE COURSE (HMA BINDER IL-19 mm), 9½" | 4% @ 90 GYR. | QC/QA |
| PAVEMENT RESURFACING | POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80; 2" | 3.5% @ 80 GYR. | QCP |
| | POLYMERIZED HMA BINDER COURSE, IL-4.75, N50; 1" | 3.5% @ 50 GYR. | QC/QA |
| TEMPORARY PAVEMENT | HMA BINDER COURSE, IL-19.0, N70; 10" | 4% @ 70 GYR. | QC/QA |
| TEMPORARY PAVEMENT (VARIABLE DEPTH) | HMA SURFACE COURSE, MIX "D", IL-9.5, N70; VARIABLE DEPTH | 4% @ 70 GYR. | QC/QA |
| PATCHING | CLASS D PATCH (HMA BINDER IL-19 mm), 10" OR 15" | 4% @ 70 GYR. | QC/QA |
| | HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm) | 4% @ 70 GYR. | QC/QA |
| DRIVEWAYS | HMA SURFACE COURSE, MIX "D", IL-9.5, N50; 2" | 4% @ 50 GYR. | QC/QA |
| | HMA BASE COURSE, (HMA BINDER IL-19 mm); CE - 8" | 4% @ 50 GYR. | QC/QA |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) AND QUALITY CONTROL FOR PERFORMANCE (QCP) | | | |

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 2: 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 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.

## LEGEND:

1. EXISTING HMA SURFACE COURSE, ± 3"
2. EXISTING HMA BINDER/BASE COURSE, ± 6" TO ± 12½"
3. EXISTING CONCRETE BASE COURSE, ± 9" TO ± 10"
4. EXISTING SUB-BASE GRANULAR MATERIAL, ± 4"
5. EXISTING AGGREGATE SUBGRADE, 12"
6. EXISTING COMB. CONCRETE CURB AND GUTTER
7. EXISTING CONCRETE BARRIER/CORRUGATED/MOUNTABLE MEDIAN
8. EXISTING PCC SIDEWALK
9. PROPOSED HMA SURFACE REMOVAL, 3"
10. PROPOSED PAVEMENT REMOVAL
11. PROPOSED COMB. CURB AND GUTTER REMOVAL
12. PROPOSED SIDEWALK REMOVAL
13. PROPOSED MEDIAN REMOVAL
14. PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
15. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
16. PROPOSED PCC BASE COURSE WIDENING, 9½"
17. PROPOSED HMA BASE COURSE, 9½"
18. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
19. PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
20. PROPOSED CONCRETE MEDIAN, TYPE SM-2.12
21. PROPOSED PCC SIDEWALK, 5" OR PROPOSED PCC SIDEWALK, 8" OR PROPOSED PCC SIDEWALK, 10"
22. PROPOSED LANDSCAPING (SEE LANDSCAPING PLAN FOR ADDITIONAL DETAILS)
23. PROPOSED CONCRETE MEDIAN, TYPE SB (SPECIAL)
24. PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"
25. PROPOSED CONCRETE CURB, TYPE B
26. PROPOSED TEMPORARY PAVEMENT (SEE STAGING PLANS FOR ADDITIONAL DETAILS)

## NOTE:

THE CONTRACTOR SHALL PATCH FIRST PRIOR TO MILLING.

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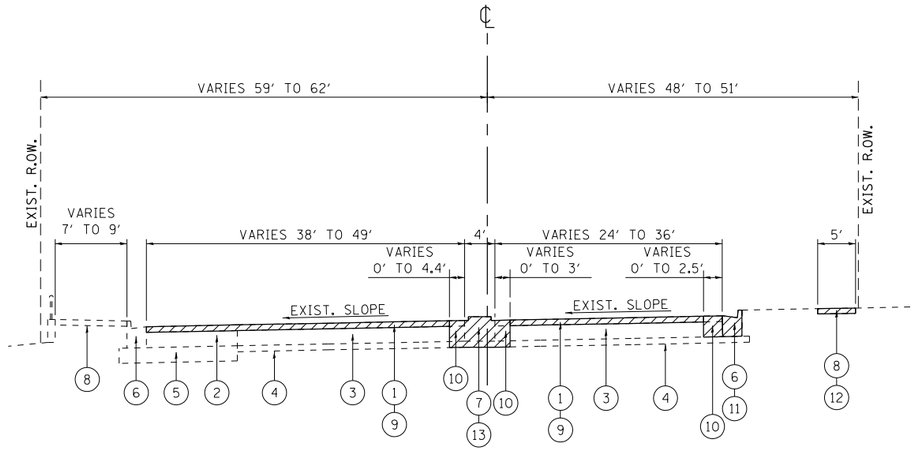
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

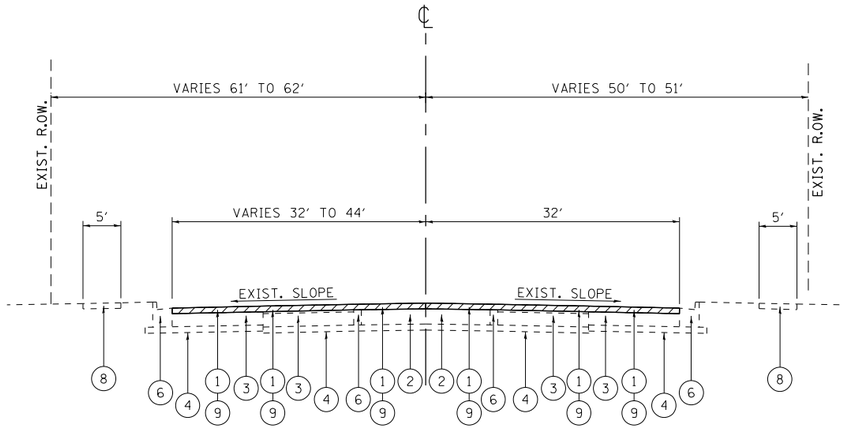
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 19 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




**IL 19 (IRVING PARK RD.)**

**EXISTING TYPICAL SECTION**

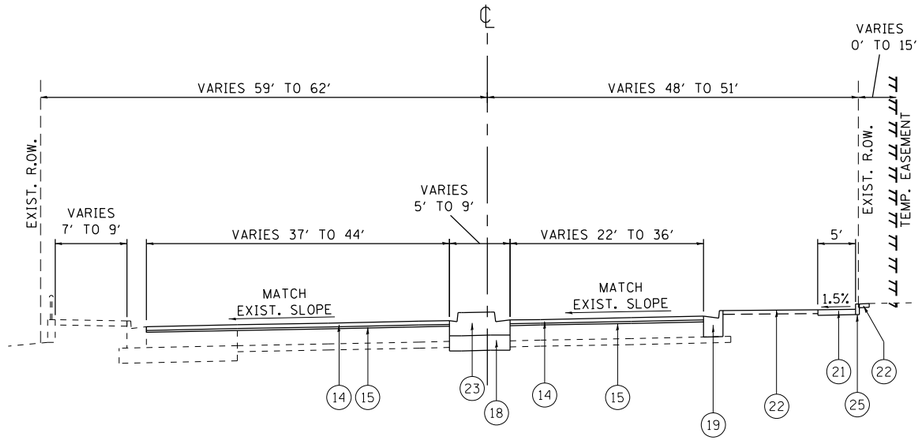
STA. 100+00 TO STA. 105+26




**IL 19 (IRVING PARK RD.)**

**EXISTING TYPICAL SECTION**

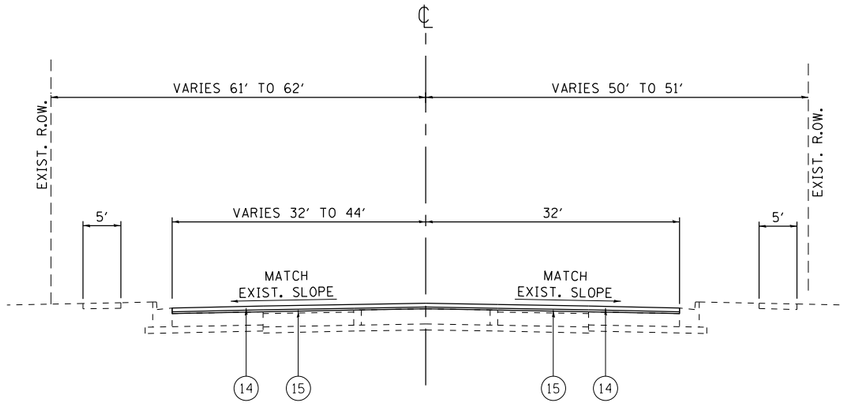
STA. 105+26 TO STA. 109+20




**IL 19 (IRVING PARK RD.)**

**PROPOSED TYPICAL SECTION**

STA. 100+00 TO STA. 105+26




**IL 19 (IRVING PARK RD.)**

**PROPOSED TYPICAL SECTION**

STA. 105+26 TO STA. 109+20

## LEGEND:

1. EXISTING HMA SURFACE COURSE, ± 3"
2. EXISTING HMA BINDER/BASE COURSE, ± 6" TO ± 12½"
3. EXISTING CONCRETE BASE COURSE, ± 9" TO ± 10"
4. EXISTING SUB-BASE GRANULAR MATERIAL, ± 4"
5. EXISTING AGGREGATE SUBGRADE, 12"
6. EXISTING COMB. CONCRETE CURB AND GUTTER
7. EXISTING CONCRETE BARRIER/CORRUGATED/MOUNTABLE MEDIAN
8. EXISTING PCC SIDEWALK
9. PROPOSED HMA SURFACE REMOVAL, 3"
10. PROPOSED PAVEMENT REMOVAL
11. PROPOSED COMB. CURB AND GUTTER REMOVAL
12. PROPOSED SIDEWALK REMOVAL
13. PROPOSED MEDIAN REMOVAL
14. PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
15. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
16. PROPOSED PCC BASE COURSE WIDENING, 9½"
17. PROPOSED HMA BASE COURSE, 9½"
18. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
19. PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
20. PROPOSED CONCRETE MEDIAN, TYPE SM-2.12
21. PROPOSED PCC SIDEWALK, 5" OR PROPOSED PCC SIDEWALK, 8" OR PROPOSED PCC SIDEWALK, 10"
22. PROPOSED LANDSCAPING (SEE LANDSCAPING PLAN FOR ADDITIONAL DETAILS)
23. PROPOSED CONCRETE MEDIAN, TYPE SB (SPECIAL)
24. PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"
25. PROPOSED CONCRETE CURB, TYPE B
26. PROPOSED TEMPORARY PAVEMENT (SEE STAGING PLANS FOR ADDITIONAL DETAILS)

## NOTE:

THE CONTRACTOR SHALL PATCH FIRST PRIOR TO MILLING.

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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**EXISTING AND PROPOSED TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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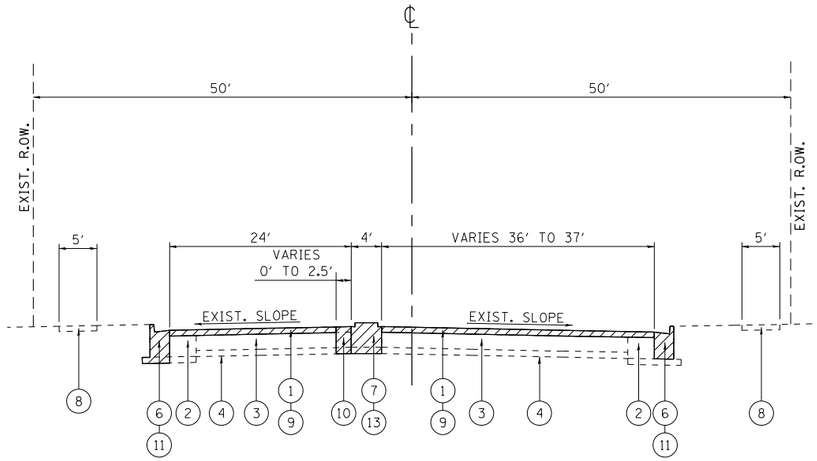
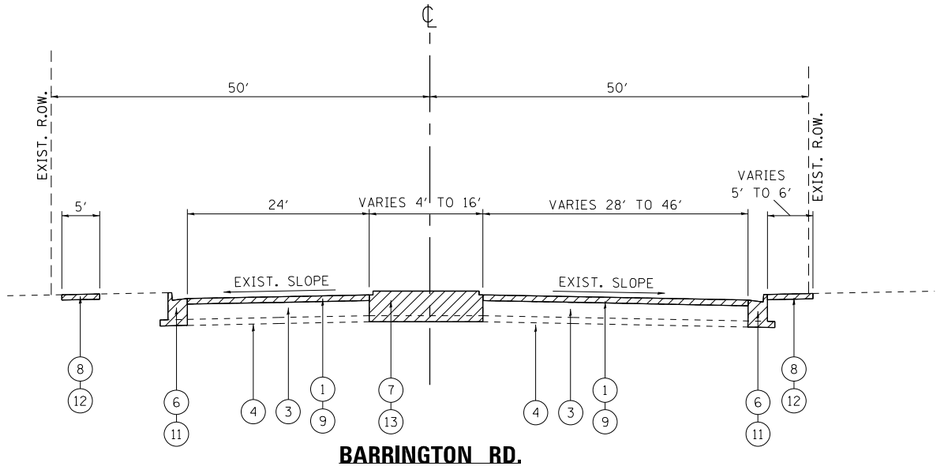
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




**BARRINGTON RD.**

**EXISTING TYPICAL SECTION**

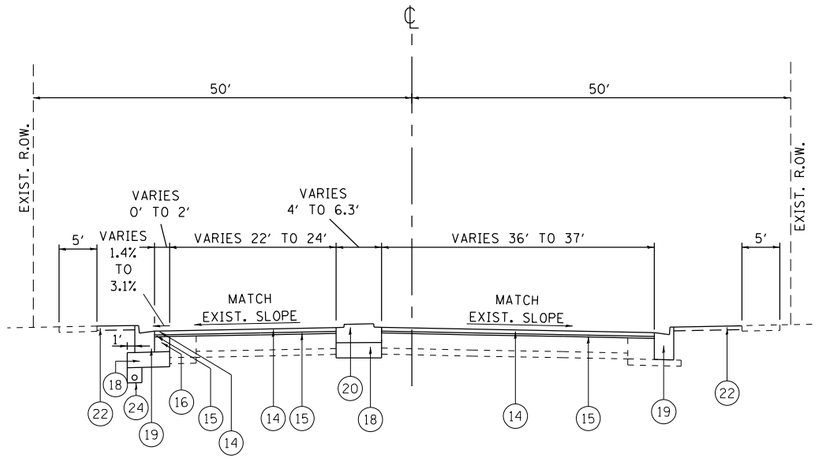
STA. 55+98 TO STA. 57+43




**BARRINGTON RD.**

**EXISTING TYPICAL SECTION**

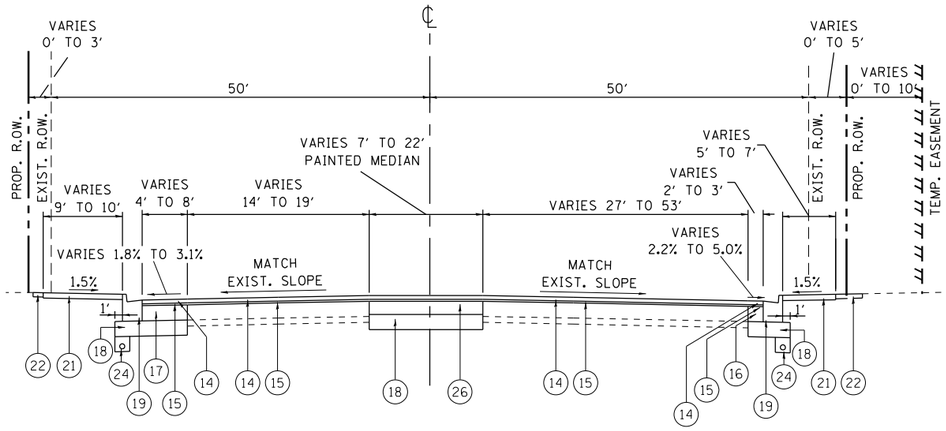
STA. 57+43 TO STA. 59+27




**BARRINGTON RD.**

**PROPOSED TYPICAL SECTION**

STA. 55+98 TO STA. 57+43




**BARRINGTON RD.**

**PROPOSED TYPICAL SECTION**

STA. 57+43 TO STA. 59+27

## LEGEND:

1. EXISTING HMA SURFACE COURSE, ± 3″
2. EXISTING HMA BINDER/BASE COURSE, ± 6″ TO ± 12½″
3. EXISTING CONCRETE BASE COURSE, ± 9″ TO ± 10″
4. EXISTING SUB-BASE GRANULAR MATERIAL, ± 4″
5. EXISTING AGGREGATE SUBGRADE, 12″
6. EXISTING COMB. CONCRETE CURB AND GUTTER
7. EXISTING CONCRETE BARRIER/CORRUGATED/MOUNTABLE MEDIAN
8. EXISTING PCC SIDEWALK
9. PROPOSED HMA SURFACE REMOVAL, 3″
10. PROPOSED PAVEMENT REMOVAL
11. PROPOSED COMB. CURB AND GUTTER REMOVAL
12. PROPOSED SIDEWALK REMOVAL
13. PROPOSED MEDIAN REMOVAL
14. PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2″
15. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1″
16. PROPOSED PCC BASE COURSE WIDENING, 9½″
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18. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12″
19. PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
20. PROPOSED CONCRETE MEDIAN, TYPE SM-2.12
21. PROPOSED PCC SIDEWALK, 5″ OR PROPOSED PCC SIDEWALK, 8″ OR PROPOSED PCC SIDEWALK, 10″
22. PROPOSED LANDSCAPING (SEE LANDSCAPING PLAN FOR ADDITIONAL DETAILS)
23. PROPOSED CONCRETE MEDIAN, TYPE SB (SPECIAL)
24. PROPOSED PIPE UNDERDRAINS, TYPE 2, 4″
25. PROPOSED CONCRETE CURB, TYPE B
26. PROPOSED TEMPORARY PAVEMENT (SEE STAGING PLANS FOR ADDITIONAL DETAILS)

## NOTE:

THE CONTRACTOR SHALL PATCH FIRST PRIOR TO MILLING.

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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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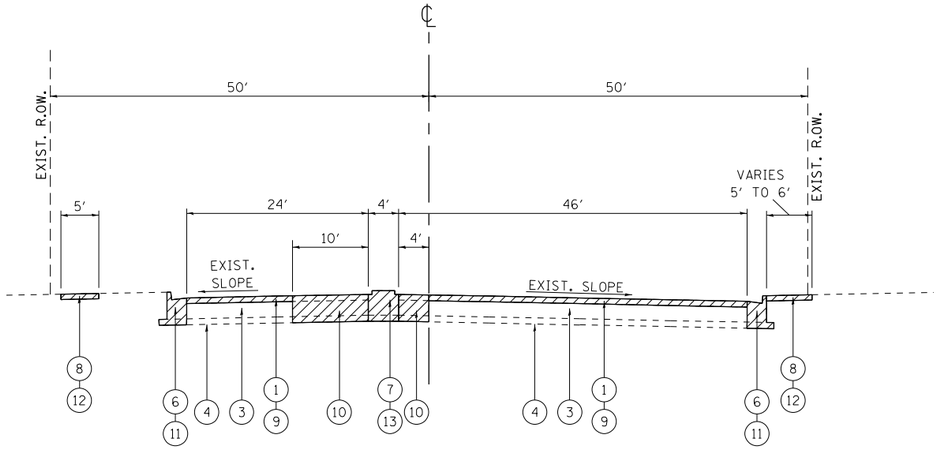
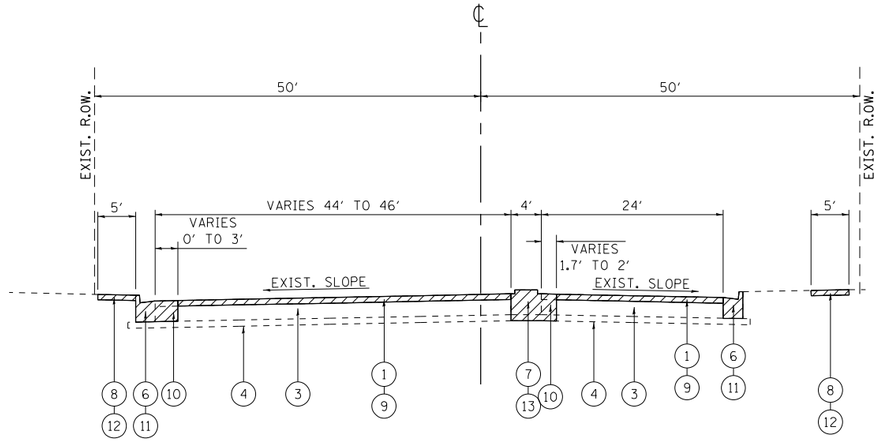
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




**BARRINGTON RD.**

**EXISTING TYPICAL SECTION**

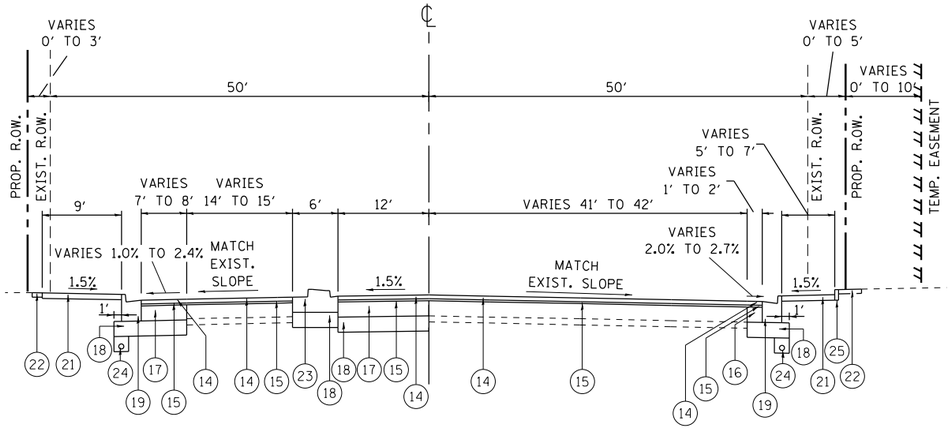
STA. 59+27 TO STA. 61+58




**BARRINGTON RD.**

**EXISTING TYPICAL SECTION**

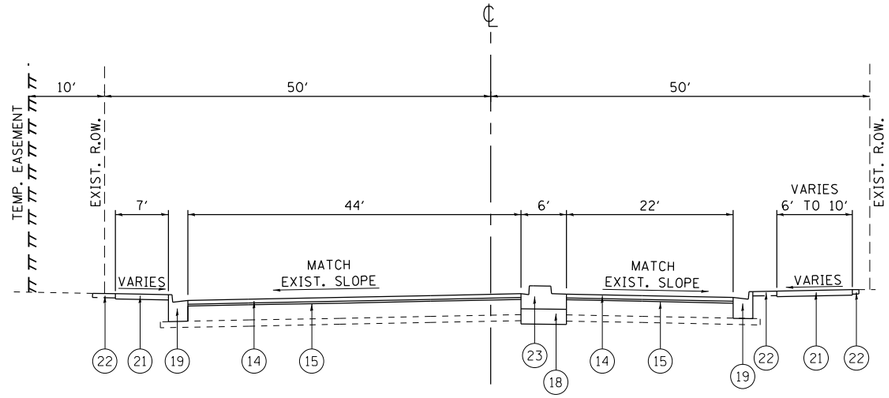
STA. 61+58 TO STA. 64+26




**BARRINGTON RD.**

**PROPOSED TYPICAL SECTION**

STA. 59+27 TO STA. 61+58




**BARRINGTON RD.**

**PROPOSED TYPICAL SECTION**

STA. 61+58 TO STA. 64+26

## LEGEND:

1. EXISTING HMA SURFACE COURSE, ± 3"
2. EXISTING HMA BINDER/BASE COURSE, ± 6" TO ± 12½"
3. EXISTING CONCRETE BASE COURSE, ± 9" TO ± 10"
4. EXISTING SUB-BASE GRANULAR MATERIAL, ± 4"
5. EXISTING AGGREGATE SUBGRADE, 12"
6. EXISTING COMB. CONCRETE CURB AND GUTTER
7. EXISTING CONCRETE BARRIER/CORRUGATED/MOUNTABLE MEDIAN
8. EXISTING PCC SIDEWALK
9. PROPOSED HMA SURFACE REMOVAL, 3"
10. PROPOSED PAVEMENT REMOVAL
11. PROPOSED COMB. CURB AND GUTTER REMOVAL
12. PROPOSED SIDEWALK REMOVAL
13. PROPOSED MEDIAN REMOVAL
14. PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
15. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
16. PROPOSED PCC BASE COURSE WIDENING, 9½"
17. PROPOSED HMA BASE COURSE, 9½"
18. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
19. PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
20. PROPOSED CONCRETE MEDIAN, TYPE SM-2.12
21. PROPOSED PCC SIDEWALK, 5" OR PROPOSED PCC SIDEWALK, 8" OR PROPOSED PCC SIDEWALK, 10"
22. PROPOSED LANDSCAPING (SEE LANDSCAPING PLAN FOR ADDITIONAL DETAILS)
23. PROPOSED CONCRETE MEDIAN, TYPE SB (SPECIAL)
24. PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"
25. PROPOSED CONCRETE CURB, TYPE B
26. PROPOSED TEMPORARY PAVEMENT (SEE STAGING PLANS FOR ADDITIONAL DETAILS)

## NOTE:

THE CONTRACTOR SHALL PATCH FIRST PRIOR TO MILLING.

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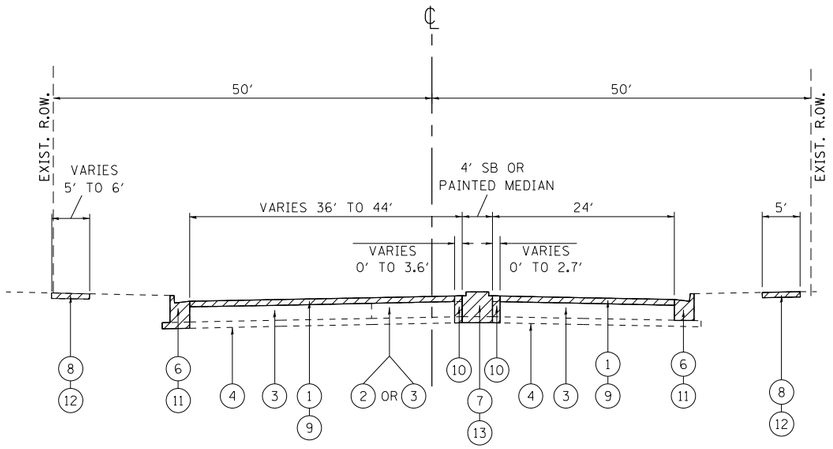
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**EXISTING AND PROPOSED TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

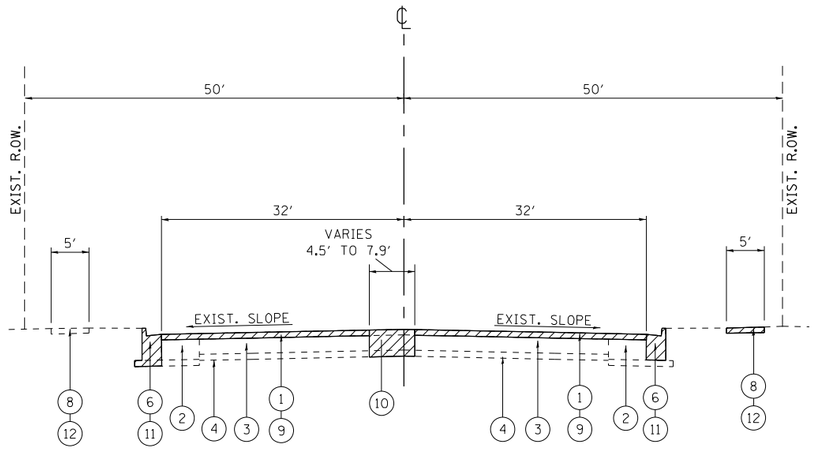
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 22 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




**BARRINGTON RD.**

**EXISTING TYPICAL SECTION**

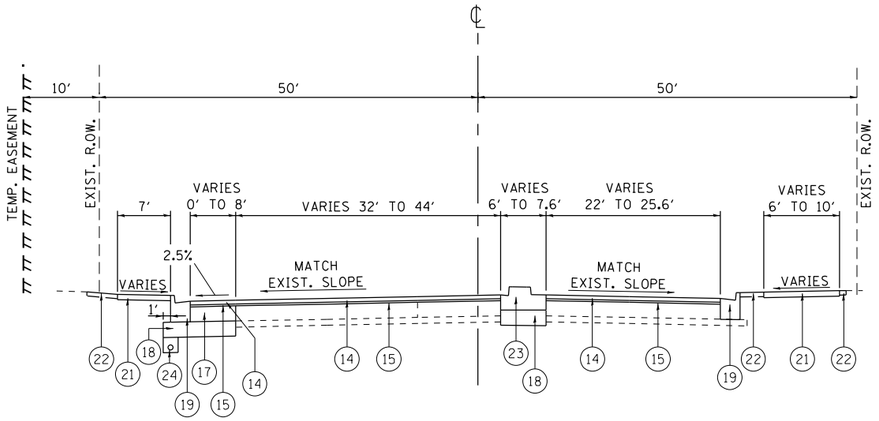
STA. 64+26 TO STA. 66+37




**BARRINGTON RD.**

**EXISTING TYPICAL SECTION**

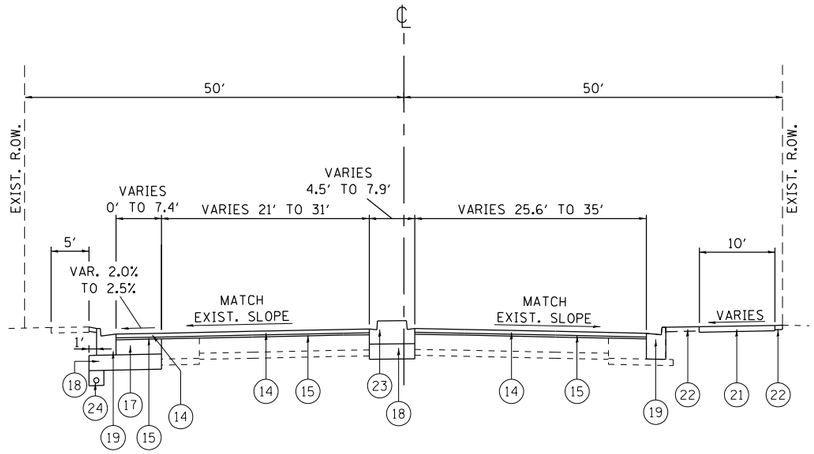
STA. 66+37 TO STA. 69+64




**BARRINGTON RD.**

**PROPOSED TYPICAL SECTION**

STA. 64+26 TO STA. 66+37




**BARRINGTON RD.**

**PROPOSED TYPICAL SECTION**

STA. 66+37 TO STA. 69+64

## LEGEND:

1. EXISTING HMA SURFACE COURSE, ± 3″
2. EXISTING HMA BINDER/BASE COURSE, ± 6″ TO ± 12½″
3. EXISTING CONCRETE BASE COURSE, ± 9″ TO ± 10″
4. EXISTING SUB-BASE GRANULAR MATERIAL, ± 4″
5. EXISTING AGGREGATE SUBGRADE, 12″
6. EXISTING COMB. CONCRETE CURB AND GUTTER
7. EXISTING CONCRETE BARRIER/CORRUGATED/MOUNTABLE MEDIAN
8. EXISTING PCC SIDEWALK
9. PROPOSED HMA SURFACE REMOVAL, 3″
10. PROPOSED PAVEMENT REMOVAL
11. PROPOSED COMB. CURB AND GUTTER REMOVAL
12. PROPOSED SIDEWALK REMOVAL
13. PROPOSED MEDIAN REMOVAL
14. PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX ″F″, N80, 2″
15. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1″
16. PROPOSED PCC BASE COURSE WIDENING, 9½″
17. PROPOSED HMA BASE COURSE, 9½″
18. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12″
19. PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE B-6.24
20. PROPOSED CONCRETE MEDIAN, TYPE SM-2.12
21. PROPOSED PCC SIDEWALK, 5″ OR PROPOSED PCC SIDEWALK, 8″ OR PROPOSED PCC SIDEWALK, 10″
22. PROPOSED LANDSCAPING (SEE LANDSCAPING PLAN FOR ADDITIONAL DETAILS)
23. PROPOSED CONCRETE MEDIAN, TYPE SB (SPECIAL)
24. PROPOSED PIPE UNDERDRAINS, TYPE 2, 4″
25. PROPOSED CONCRETE CURB, TYPE B
26. PROPOSED TEMPORARY PAVEMENT (SEE STAGING PLANS FOR ADDITIONAL DETAILS)

## NOTE:

THE CONTRACTOR SHALL PATCH FIRST PRIOR TO MILLING.

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| USER NAME = tarik.fm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 23 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| EARTHWORK SCHEDULE | | | | | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| IL 19 AT BARRINGTON ROAD | EARTH EXCAVATION (CU. YD.) | UNSUITABLE MATERIAL (CU. YD.) | EMBANKMENT (CU. YD.) | EARTH EXCAVATION TO BE USED AS EMBANKMENT (CU. YD.) | EARTHWORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.) |
| PRE-STAGE | 238 | 0 | 0 | 202 | 202 |
| STAGE 1A | 349 | 1108 | 667 | 296 | -371 |
| STAGE 1B | 406 | 529 | 324 | 345 | 21 |
| STAGE 2 | 303 | 0 | 0 | 257 | 257 |
| TOTAL = | 1296 | 1637 | 991 | 1100 | 109 |

COLUMN 1: LOCATION FROM PLANS

COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL OR TOPSOIL STRIPPING

COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT (INCLUDES 24" SOIL STRIPPING)

COLUMN 4: FILL QUANTITIES FROM CROSS SECTIONS

COLUMN 5: EARTH EXCAVATION THAT IS TO BE USED AS EMBANKMENT, ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR = 15%)

COLUMN 6: COLUMN 5 - COLUMN 4
POSITIVE QUANTITY = EXTRA EXCAVATION
NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED

**NOTES:**

**1. TOPSOIL SHALL BE STRIPPED IN AREAS DISTURBED BY PROPOSED WORK TO A DEPTH OF 24".**

**2. STAGE 1A IS BALANCED BY PRE-STAGE EXCESS AND FURNISHED EXCAVATION QUANTITY.**

**3. OVERALL EARTHWORK BALANCE IS 21 CU. YD. (STAGE 1B) + 257 CU. YD. (STAGE 2) = 278 CU. YD.**


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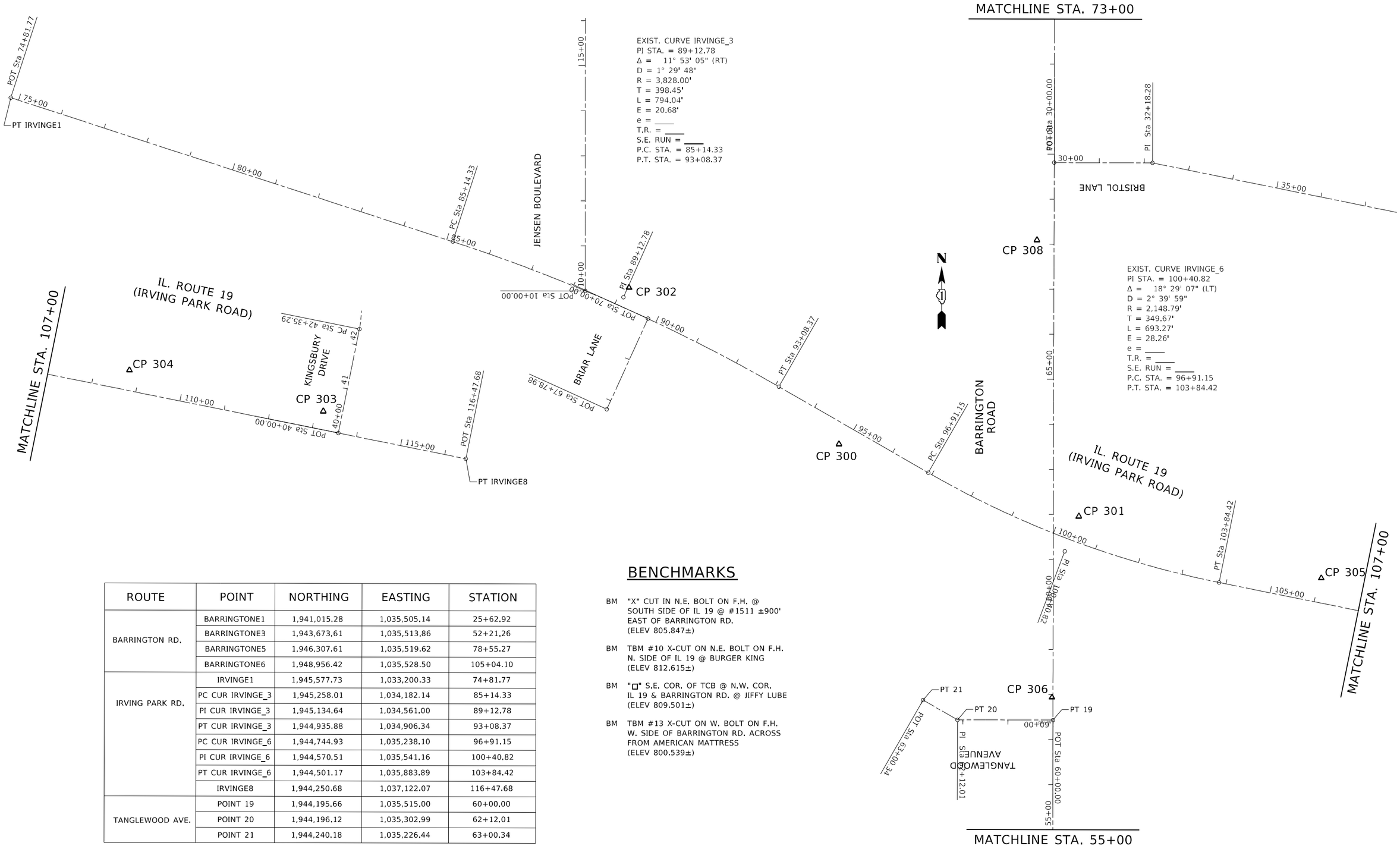
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

SCHEDULE OF QUANTITIES
IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 24 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |




| ROUTE | POINT | NORTHING | EASTING | STATION |
|---|---|---|---|---|
| BARRINGTON RD. | BARRINGTONE1 | 1,941,015.28 | 1,035,505.14 | 25+62.92 |
| | BARRINGTONE3 | 1,943,673.61 | 1,035,513.86 | 52+21.26 |
| | BARRINGTONE5 | 1,946,307.61 | 1,035,519.62 | 78+55.27 |
| | BARRINGTONE6 | 1,948,956.42 | 1,035,528.50 | 105+04.10 |
| IRVING PARK RD. | IRVINGE1 | 1,945,577.73 | 1,033,200.33 | 74+81.77 |
| | PC CUR IRVINGE_3 | 1,945,258.01 | 1,034,182.14 | 85+14.33 |
| | PI CUR IRVINGE_3 | 1,945,134.64 | 1,034,561.00 | 89+12.78 |
| | PT CUR IRVINGE_3 | 1,944,935.88 | 1,034,906.34 | 93+08.37 |
| | PC CUR IRVINGE_6 | 1,944,744.93 | 1,035,238.10 | 96+91.15 |
| | PI CUR IRVINGE_6 | 1,944,570.51 | 1,035,541.16 | 100+40.82 |
| | PT CUR IRVINGE_6 | 1,944,501.17 | 1,035,883.89 | 103+84.42 |
| | IRVINGE8 | 1,944,250.68 | 1,037,122.07 | 116+47.68 |
| TANGLEWOOD AVE. | POINT 19 | 1,944,195.66 | 1,035,515.00 | 60+00.00 |
| | POINT 20 | 1,944,196.12 | 1,035,302.99 | 62+12.01 |
| | POINT 21 | 1,944,240.18 | 1,035,226.44 | 63+00.34 |

## BENCHMARKS

BM "X" CUT IN N.E. BOLT ON F.H. @ SOUTH SIDE OF IL 19 @ #1511 ±900' EAST OF BARRINGTON RD. (ELEV 805.847±)

BM TBM #10 X-CUT ON N.E. BOLT ON F.H. N. SIDE OF IL 19 @ BURGER KING (ELEV 812.615±)

BM "□" S.E. COR. OF TCB @ N.W. COR. IL 19 & BARRINGTON RD. @ JIFFY LUBE (ELEV 809.501±)

BM TBM #13 X-CUT ON W. BOLT ON F.H. W. SIDE OF BARRINGTON RD. ACROSS FROM AMERICAN MATTRESS (ELEV 800.539±)

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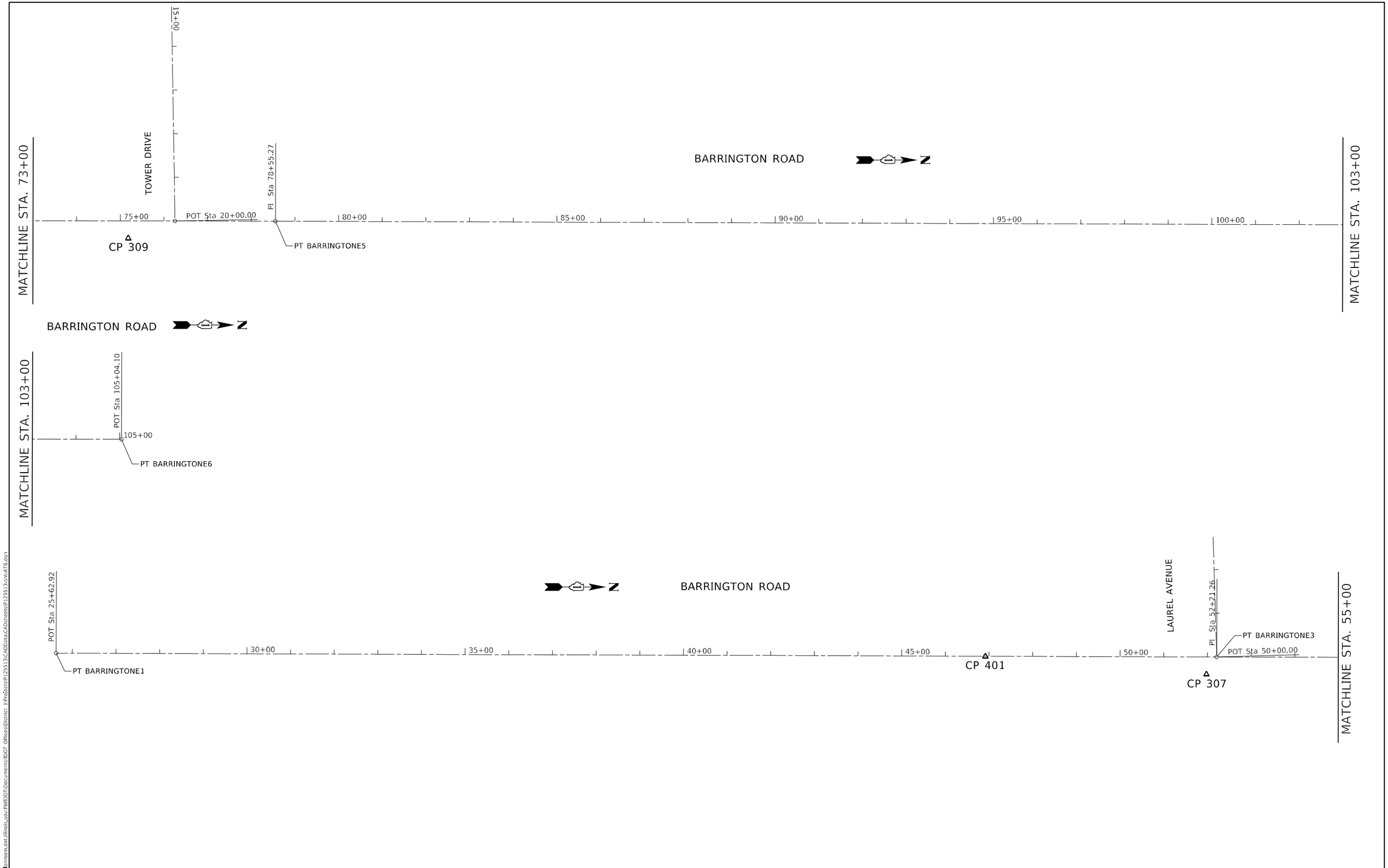
| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 200.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: 1"=100' | SHEET OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-12-TS&N | COOK | 135 | 25 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 200.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: 1"=100' | SHEET OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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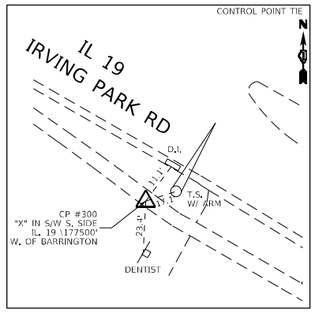
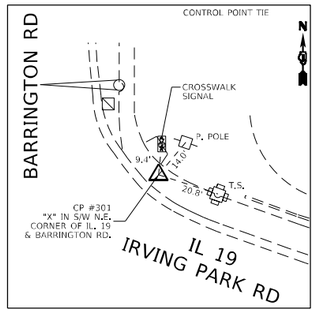
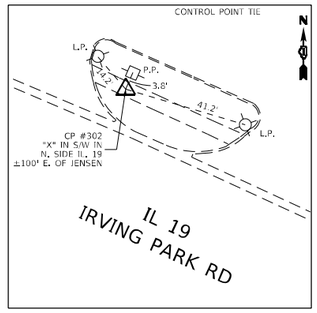
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |



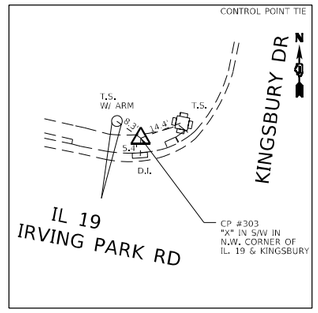

CONTROL POINT #300
N 1,944,808.8092
E 1,035,039.6516
ELEV=810.4527



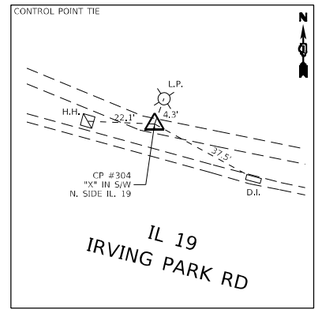

CONTROL POINT #301
N 1,944,648.3375
E 1,035,572.4512
ELEV=809.7823



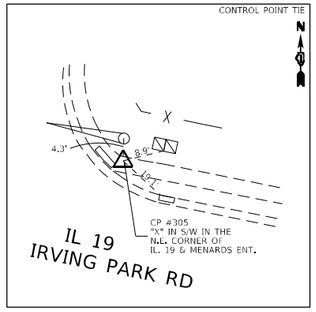

CONTROL POINT #302
N 1,945156.0684
E 1,034,573.3419
ELEV=817.0016




CONTROL POINT #303
N 1,944,356.6692
E 1,036,805.5488
ELEV=800.8847




CONTROL POINT #304
N 1,944,447.6661
E 1,036,374.9496
EL=806.2780




CONTROL POINT #305
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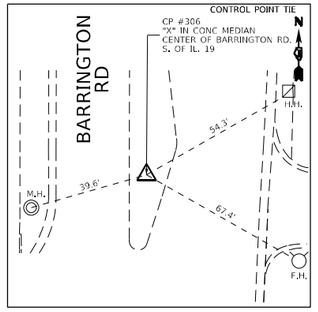
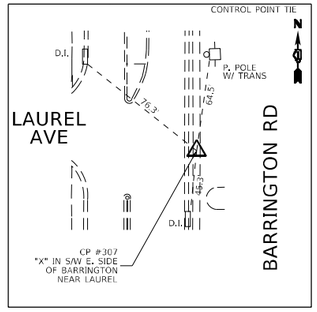
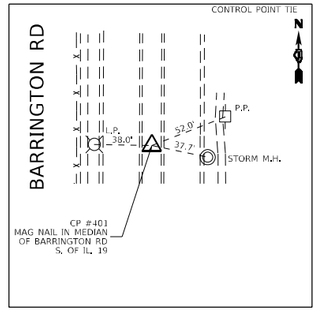
E 1,036,110.8931
ELEV=809.4207



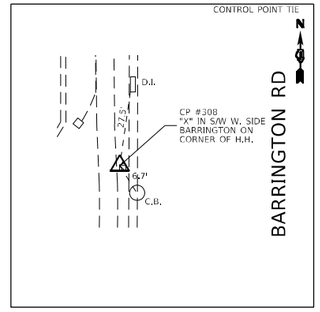

CONTROL POINT #306
N 1,944,246.0645
E 1,035,512.7234
ELEV=810.6789



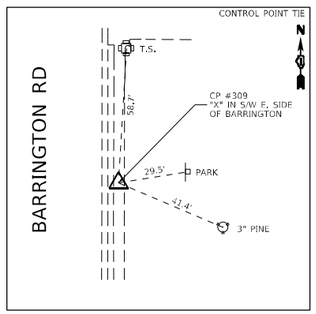

CONTROL POINT #307
N 1,943,649.9974
E 1,035,553.5320
ELEV=811.2428




CONTROL POINT #401
N 1,943,143.7643
E 1,035,512.2893
ELEV=812.6589




CONTROL POINT #308
N 1,945,261.9419
E 1,035,479.4228
ELEV=797.5669

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E 1,035,479.4228
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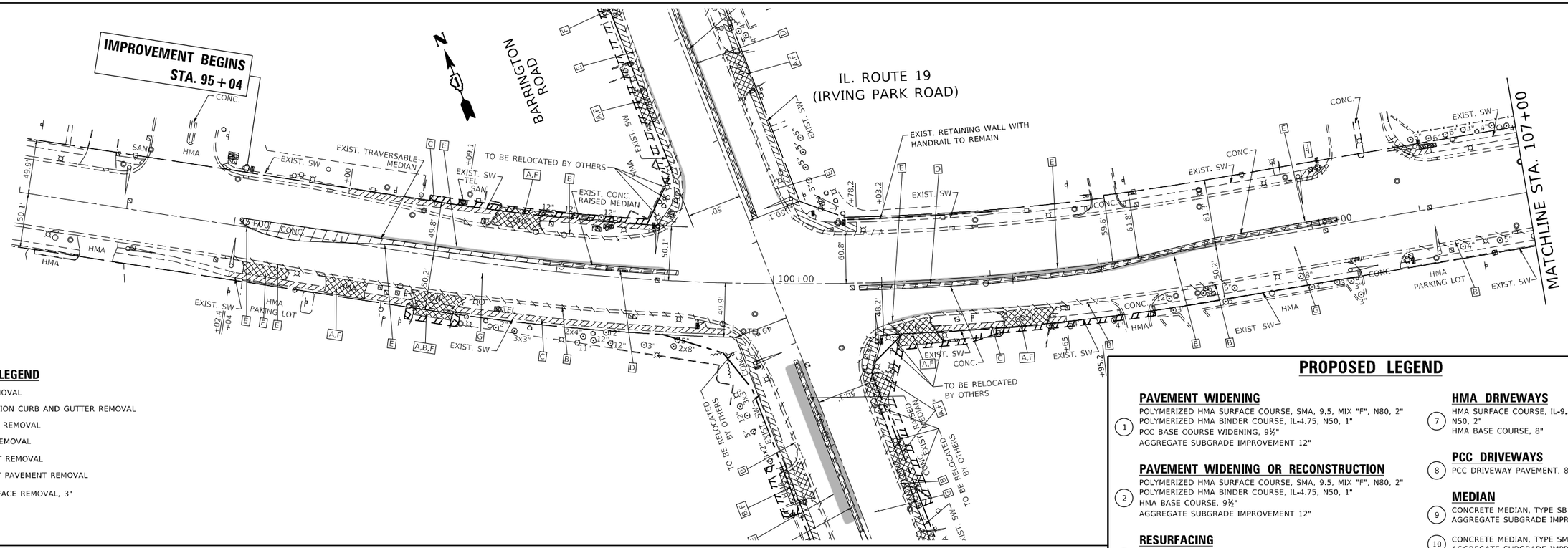
| | DRAWN - | REVISED - | |
| PLOT SCALE = 200.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: 1"=100' | SHEET OF SHEETS | STA. | TO STA.

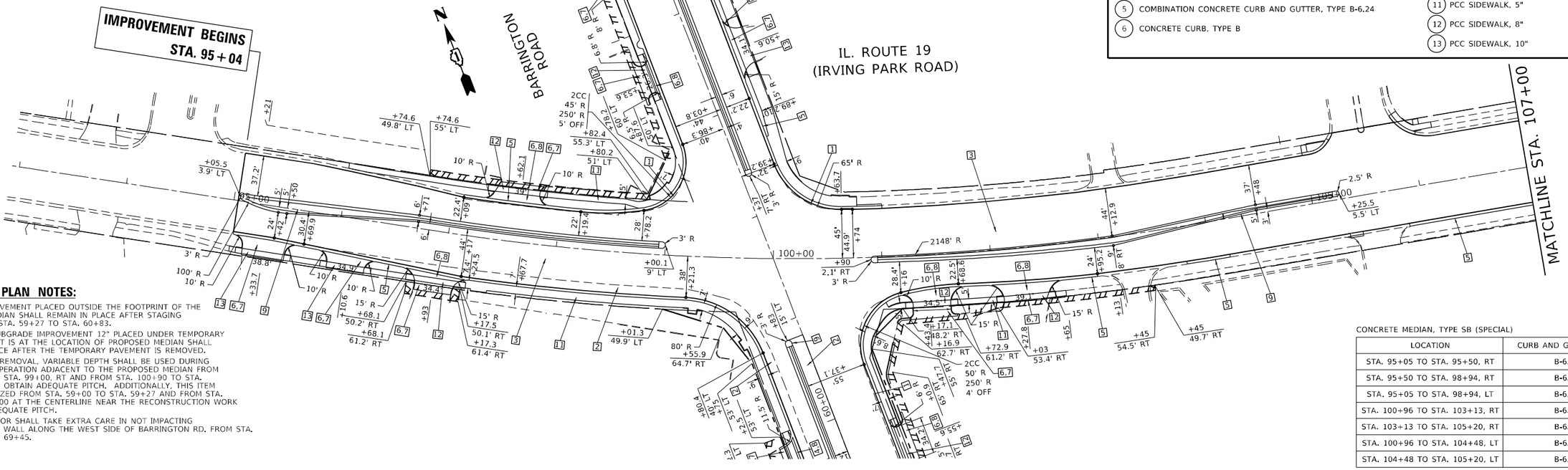
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-12-TS&N | COOK | 135 | 27 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




**EXISTING**

## EXISTING LEGEND

- (A) CURB REMOVAL
- (B) COMBINATION CURB AND GUTTER REMOVAL
- (C) SIDEWALK REMOVAL
- (D) MEDIAN REMOVAL
- (E) PAVEMENT REMOVAL
- (F) DRIVEWAY PAVEMENT REMOVAL
- (G) HMA SURFACE REMOVAL, 3"




**PROPOSED**

## ROADWAY PLAN NOTES:

1. TEMPORARY PAVEMENT PLACED OUTSIDE THE FOOTPRINT OF THE PROPOSED MEDIAN SHALL REMAIN IN PLACE AFTER STAGING EXCEPT FROM STA. 59+27 TO STA. 60+83.
2. AGGREGATE SUBGRADE IMPROVEMENT 12" PLACED UNDER TEMPORARY PAVEMENT THAT IS AT THE LOCATION OF PROPOSED MEDIAN SHALL REMAIN IN PLACE AFTER THE TEMPORARY PAVEMENT IS REMOVED.
3. HMA SURFACE REMOVAL, VARIABLE DEPTH SHALL BE USED DURING THE MILLING OPERATION ADJACENT TO THE PROPOSED MEDIAN FROM STA. 96+58 TO STA. 99+00, RT AND FROM STA. 100+90 TO STA. 105+26, RT TO OBTAIN ADEQUATE PITCH. ADDITIONALLY, THIS ITEM SHALL BE UTILIZED FROM STA. 59+00 TO STA. 59+27 AND FROM STA. 60+83 TO 61+00 AT THE CENTERLINE NEAR THE RECONSTRUCTION WORK TO OBTAIN ADEQUATE PITCH.
4. THE CONTRACTOR SHALL TAKE EXTRA CARE IN NOT IMPACTING THE RETAINING WALL ALONG THE WEST SIDE OF BARRINGTON RD. FROM STA. 65+38 TO STA. 69+45.

## PROPOSED LEGEND

### PAVEMENT WIDENING

(1) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
PCC BASE COURSE WIDENING, 9½"
AGGREGATE SUBGRADE IMPROVEMENT 12"

### PAVEMENT WIDENING OR RECONSTRUCTION

(2) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
HMA BASE COURSE, 9½"
AGGREGATE SUBGRADE IMPROVEMENT 12"

### RESURFACING

(3) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

### CURB OR CURB AND GUTTER

(4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(6) CONCRETE CURB, TYPE B

### HMA DRIVEWAYS

(7) HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
HMA BASE COURSE, 8"

### PCC DRIVEWAYS

(8) PCC DRIVEWAY PAVEMENT, 8"

### MEDIAN

(9) CONCRETE MEDIAN, TYPE SB (SPECIAL)
AGGREGATE SUBGRADE IMPROVEMENT 12"
(10) CONCRETE MEDIAN, TYPE SM-2.12
AGGREGATE SUBGRADE IMPROVEMENT 12"
(10A) CONCRETE MEDIAN, TYPE SM-2.12
SUBBASE GRANULAR MATERIAL, TYPE A 4"

### SIDEWALK

(11) PCC SIDEWALK, 5"
(12) PCC SIDEWALK, 8"
(13) PCC SIDEWALK, 10"

CONCRETE MEDIAN, TYPE SB (SPECIAL)

| LOCATION | CURB AND GUTTER TYPE |
|---|---|
| STA. 95+05 TO STA. 95+50, RT | B-6.24 |
| STA. 95+50 TO STA. 98+94, RT | B-6.12 |
| STA. 95+05 TO STA. 98+94, LT | B-6.24 |
| STA. 100+96 TO STA. 103+13, RT | B-6.24 |
| STA. 103+13 TO STA. 105+20, RT | B-6.12 |
| STA. 100+96 TO STA. 104+48, LT | B-6.12 |
| STA. 104+48 TO STA. 105+20, LT | B-6.24 |

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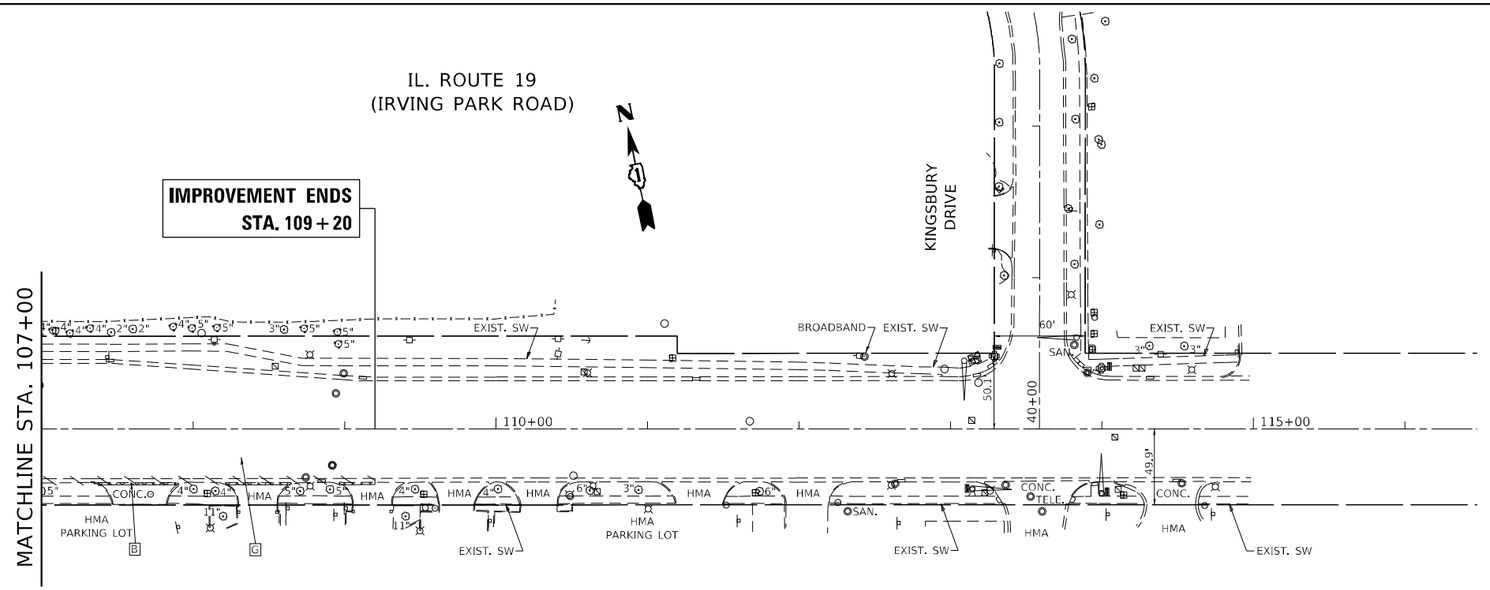
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 28 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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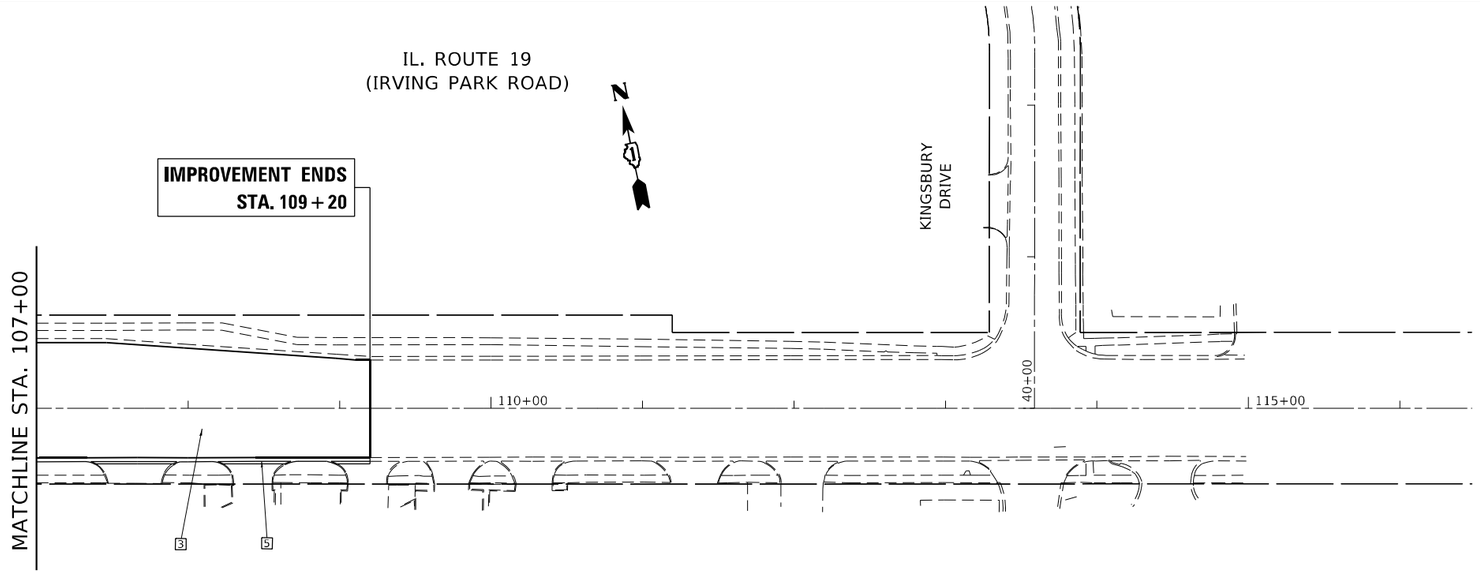


PROPOSED

## LEGEND

### EXISTING

- (A) CURB REMOVAL
- (B) COMBINATION CURB AND GUTTER REMOVAL
- (C) SIDEWALK REMOVAL
- (D) MEDIAN REMOVAL
- (E) PAVEMENT REMOVAL
- (F) DRIVEWAY PAVEMENT REMOVAL
- (G) HMA SURFACE REMOVAL, 3"

### PROPOSED

**PAVEMENT WIDENING**

(1) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
PCC BASE COURSE WIDENING, 9½"
AGGREGATE SUBGRADE IMPROVEMENT 12"

**PAVEMENT WIDENING OR RECONSTRUCTION**

(2) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
HMA BASE COURSE, 9½"
AGGREGATE SUBGRADE IMPROVEMENT 12"

**RESURFACING**

(3) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

**CURB OR CURB AND GUTTER**

(4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(6) CONCRETE CURB, TYPE B

**HMA DRIVEWAYS**

(7) HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
HMA BASE COURSE, 8"

**PCC DRIVEWAYS**

(8) PCC DRIVEWAY PAVEMENT, 8"

**MEDIAN**

(9) CONCRETE MEDIAN, TYPE SB (SPECIAL)
AGGREGATE SUBGRADE IMPROVEMENT 12"

(10) CONCRETE MEDIAN, TYPE SM-2.12
AGGREGATE SUBGRADE IMPROVEMENT 12"

(10A) CONCRETE MEDIAN, TYPE SM-2.12
SUBBASE GRANULAR MATERIAL, TYPE A 4"

**SIDEWALK**

(11) PCC SIDEWALK, 5"
(12) PCC SIDEWALK, 8"
(13) PCC SIDEWALK, 10"

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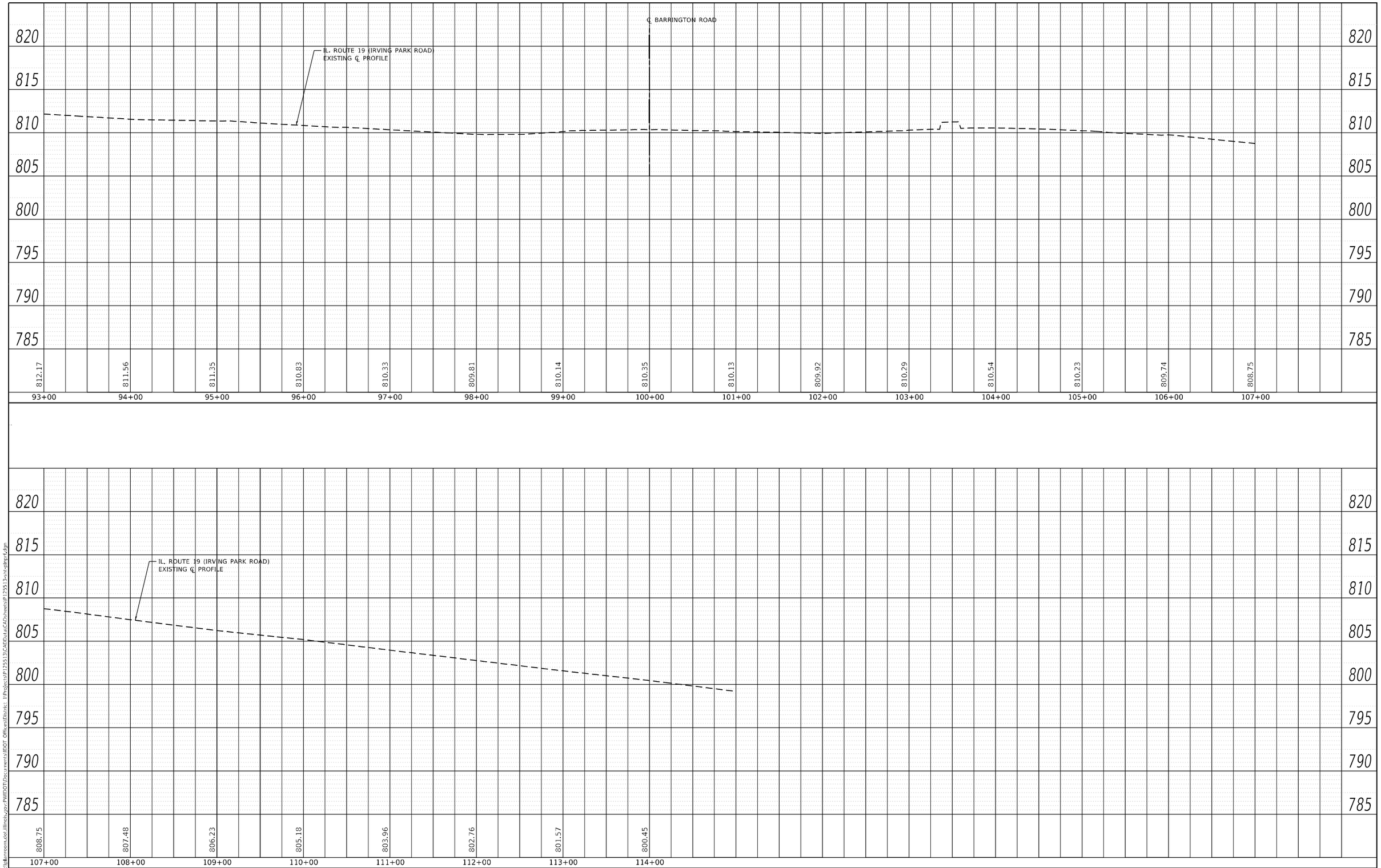
| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 29 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

SCALE: 1"= 5'V 50'H | SHEET OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 30 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

IMPROVEMENT BEGINS STA. 55+98

IMPROVEMENT ENDS STA. 61+15

TANGLEWOOD AVENUE

IMPROVEMENT ENDS STA. 69+64

BARRINGTON ROAD

IL. ROUTE 19 (IRVING PARK ROAD)

BRISTOL LANE

## EXISTING LEGEND

- (A) CURB REMOVAL
- (B) COMBINATION CURB AND GUTTER REMOVAL
- (C) SIDEWALK REMOVAL
- (D) MEDIAN REMOVAL
- (E) PAVEMENT REMOVAL
- (F) DRIVEWAY PAVEMENT REMOVAL
- (G) HMA SURFACE REMOVAL, 3"

**EXISTING**

*LOCATIONS OF EXISTING DRIVEWAY THAT ARE PROPOSED TO BE REPLACED WITH LANDSCAPING SHALL BE EXCAVATED TO A DEPTH OF AT LEAST 24" INCLUDING THE AGGREGATE SUBGRADE UNDERNEATH THE PAVEMENT.

## PROPOSED LEGEND

### PAVEMENT WIDENING

(1) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
PCC BASE COURSE WIDENING, 9½"
AGGREGATE SUBGRADE IMPROVEMENT 12"

### PAVEMENT WIDENING OR RECONSTRUCTION

(2) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
HMA BASE COURSE, 9½"
AGGREGATE SUBGRADE IMPROVEMENT 12"

### RESURFACING

(3) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

### CURB OR CURB AND GUTTER

(4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

(5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

(6) CONCRETE CURB, TYPE B

## ROADWAY PLAN NOTES:

1. TEMPORARY PAVEMENT PLACED OUTSIDE THE FOOTPRINT OF THE PROPOSED MEDIAN SHALL REMAIN IN PLACE AFTER STAGING EXCEPT FROM STA. 59+27 TO STA. 60+83.
2. AGGREGATE SUBGRADE IMPROVEMENT 12" PLACED UNDER TEMPORARY PAVEMENT THAT IS AT THE LOCATION OF PROPOSED MEDIAN SHALL REMAIN IN PLACE AFTER THE TEMPORARY PAVEMENT IS REMOVED.
3. HMA SURFACE REMOVAL, VARIABLE DEPTH SHALL BE USED DURING THE MILLING OPERATION ADJACENT TO THE PROPOSED MEDIAN FROM STA. 96+58 TO STA. 99+00, RT AND FROM STA. 100+90 TO STA. 105+26, RT TO OBTAIN ADEQUATE PITCH. ADDITIONALLY, THIS ITEM SHALL BE UTILIZED FROM STA. 59+00 TO STA. 59+27 AND FROM STA. 60+83 TO 61+00 AT THE CENTERLINE NEAR THE RECONSTRUCTION WORK TO OBTAIN ADEQUATE PITCH.
4. THE CONTRACTOR SHALL TAKE EXTRA CARE IN NOT IMPACTING THE RETAINING WALL ALONG THE WEST SIDE OF BARRINGTON RD. FROM STA. 65+38 TO STA. 69+45.

CONCRETE MEDIAN, TYPE SB (SPECIAL)

| LOCATION | CURB AND GUTTER TYPE |
|---|---|
| STA. 59+33 TO STA. 60+77, RT | B-6.12 |
| STA. 59+33 TO STA. 60+77, LT | B-6.24 |
| STA. 62+43 TO STA. 65+72, RT | B-6.24 |
| STA. 62+43 TO STA. 68+40, LT | B-6.12 |
| STA. 65+72 TO STA. 69+25, RT | B-6.12 |
| STA. 68+40 TO STA. 69+25, LT | B-6.24 |

**PROPOSED**

## PROPOSED LEGEND CONTINUED

### HMA DRIVEWAYS

(7) HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
HMA BASE COURSE, 8"

### PCC DRIVEWAYS

(8) PCC DRIVEWAY PAVEMENT, 8"

### MEDIAN

(9) CONCRETE MEDIAN, TYPE SB (SPECIAL)
AGGREGATE SUBGRADE IMPROVEMENT 12"

(10) CONCRETE MEDIAN, TYPE SM-2.12
AGGREGATE SUBGRADE IMPROVEMENT 12"

(10A) CONCRETE MEDIAN, TYPE SM-2.12
SUBBASE GRANULAR MATERIAL, TYPE A 4"

### SIDEWALK

(11) PCC SIDEWALK, 5"

(12) PCC SIDEWALK, 8"

(13) PCC SIDEWALK, 10"

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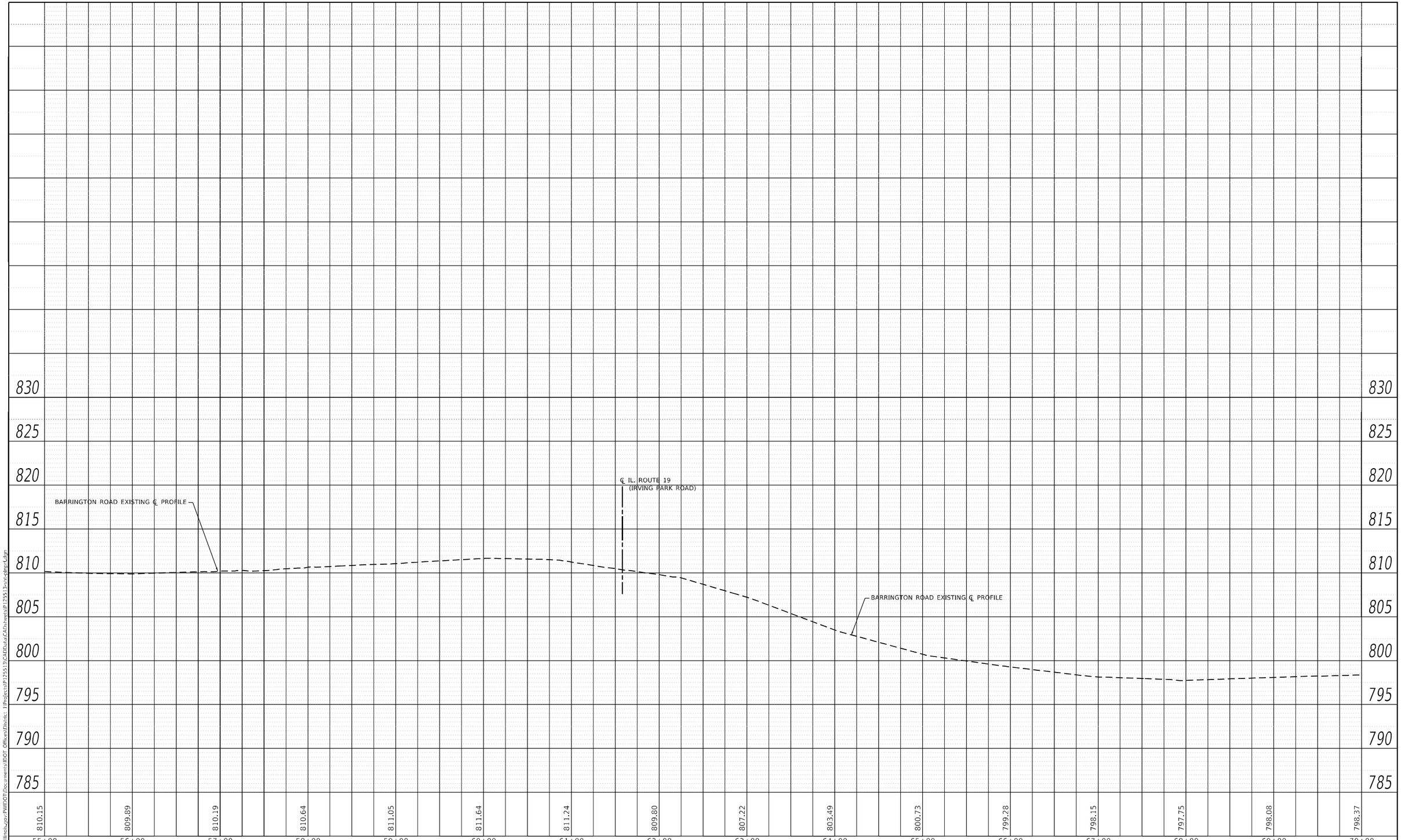
| USER NAME = tarlqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN**
**IL ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 31 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

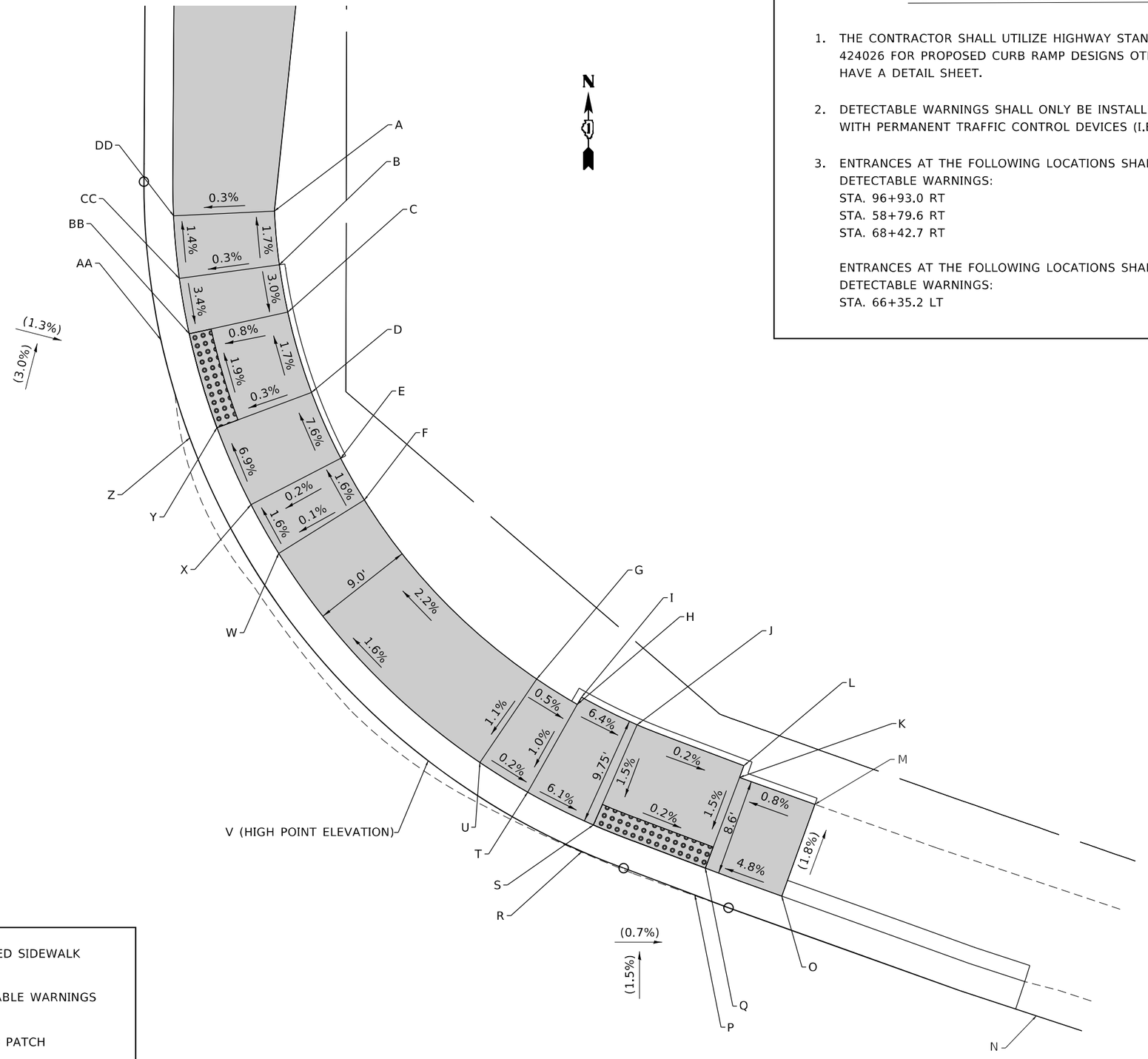
**ROADWAY PROFILE**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

SCALE: 1"= 5'H 50'V | SHEET OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 32 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

# IL 19 AT BARRINGTON RD. (NORTHEAST CORNER)

| | STATION | OFFSET | ELEVATION |
|---|---|---|---|
| A | 62+36.59 | 43.65' RT | 808.90 |
| B | 62+31.80 | 44.10' RT | 808.98 |
| C | 62+27.58 | 44.86' RT | 808.85 |
| D | 62+20.41 | 46.99' RT | 808.98 |
| E | 62+14.55 | 49.60' RT | 809.49 |
| F | 62+10.83 | 51.73' RT | 809.56 |
| G | 100+50.32 | 58.16' LT | 810.06 |
| H | 100+54.64 | 57.31' LT | 810.04 |
| I | 100+54.76 | 58.05' LT | 810.05 |
| J | 100+60.41 | 57.43' LT | 809.70 |
| K | 100+70.87 | 56.13' LT | 809.66 |
| L | 100+70.89 | 57.23' LT | 809.68 |
| M | 100+78.22 | 56.13' LT | (809.72) |
| N | 101+03.69 | 44.84' LT | (809.50) |
| O | 100+78.17 | 47.43' LT | 809.88 |
| P | 100+70.69 | 44.91' LT | 809.54 |
| Q | 100+70.73 | 47.49' LT | 809.53 |
| R | 100+59.66 | 45.12' LT | 809.56 |
| S | 100+59.81 | 47.70' LT | 809.55 |
| T | 100+53.15 | 48.42' LT | 809.95 |
| U | 100+48.13 | 49.42' LT | 809.96 |
| V | 100+43.64 | 47.95' LT | 809.58 |
| W | 62+06.05 | 44.10' RT | 809.55 |
| X | 62+10.39 | 41.62' RT | 809.47 |
| Y | 62+17.25 | 38.56' RT | 808.95 |
| Z | 62+16.34 | 36.14' RT | 808.96 |
| AA | 62+25.07 | 33.55' RT | 808.79 |
| BB | 62+25.63 | 36.07' RT | 808.78 |
| CC | 62+30.55 | 35.18' RT | 808.95 |
| DD | 62+36.15 | 34.66' RT | 808.87 |




## GENERAL CURB RAMP NOTES:

1. THE CONTRACTOR SHALL UTILIZE HIGHWAY STANDARDS 424001 AND 424026 FOR PROPOSED CURB RAMP DESIGNS OTHER THAN THOSE THAT HAVE A DETAIL SHEET.
2. DETECTABLE WARNINGS SHALL ONLY BE INSTALLED AT ENTRANCES WITH PERMANENT TRAFFIC CONTROL DEVICES (I.E. STOP SIGNS).
3. ENTRANCES AT THE FOLLOWING LOCATIONS SHALL HAVE PERPENDICULAR DETECTABLE WARNINGS:
   STA. 96+93.0 RT
   STA. 58+79.6 RT
   STA. 68+42.7 RT

   ENTRANCES AT THE FOLLOWING LOCATIONS SHALL HAVE RADIAL DETECTABLE WARNINGS:
   STA. 66+35.2 LT

## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

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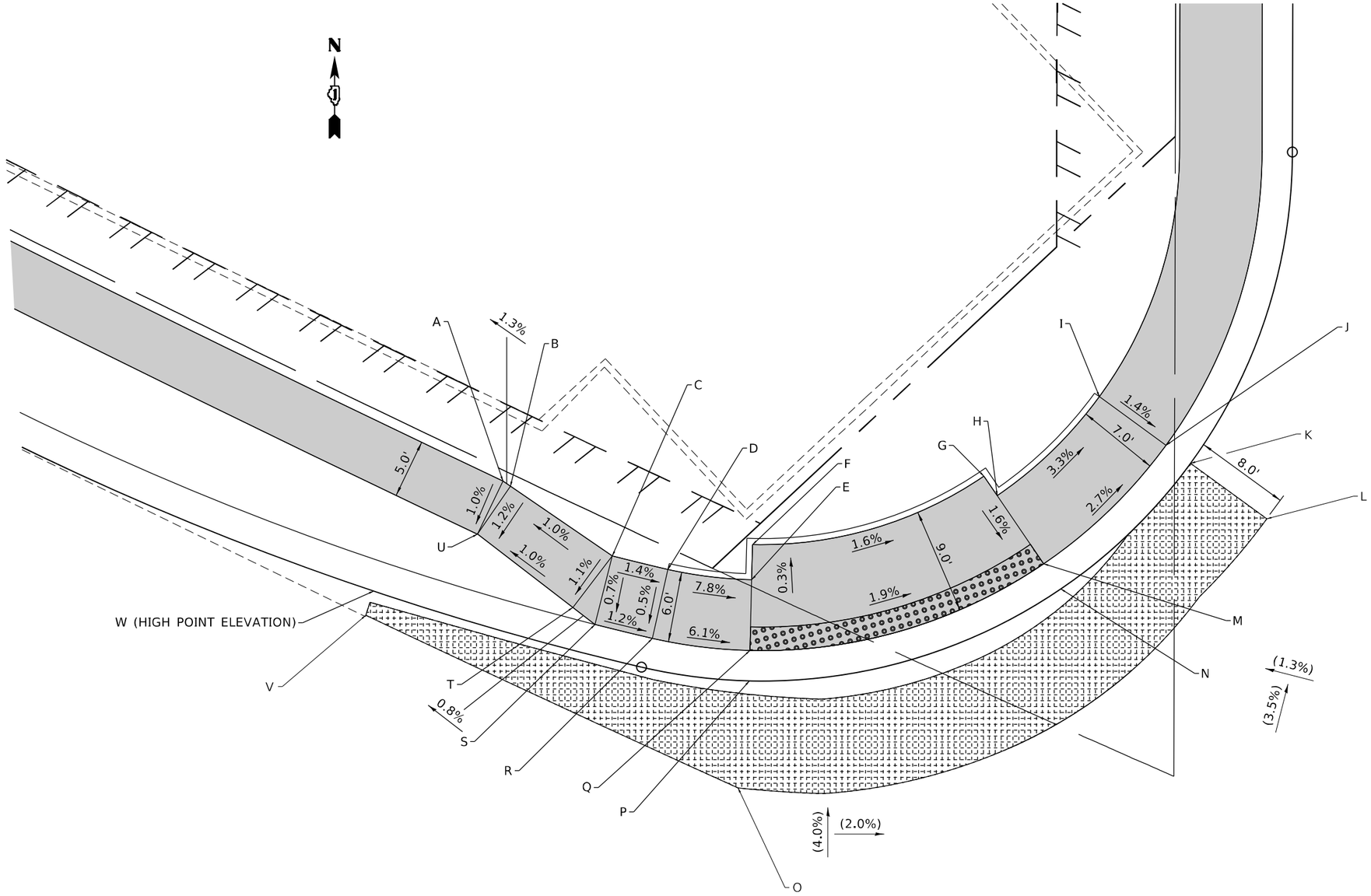
| USER NAME = tariqfm | DESIGNED - | REVISED - FT. 6-22-2021 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

CURB RAMP DETAILS
IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 33 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |

# IL 19 AT BARRINGTON RD. (NORTHWEST CORNER)




| | STATION | OFFSET | ELEVATION |
|---|---|---|---|
| A | 98+60.51 | 49.27' LT | 809.53 |
| B | 98+61.30 | 49.14' LT | 809.54 |
| C | 98+71.89 | 47.48' LT | 809.64 |
| D | 98+76.74 | 48.43' LT | 809.57 |
| E | 98+83.73 | 50.63' LT | 809.01 |
| F | 98+82.51 | 53.38' LT | 809.00 |
| G | 98+98.38 | 66.83' LT | 808.67 |
| H | 99+00.14 | 65.79' LT | 808.64 |
| I | 99+04.74 | 77.00' LT | 808.24 |
| J | 99+11.84 | 75.55' LT | 808.14 |
| K | 99+14.46 | 75.01' LT | (807.76) |
| L | 99+22.55 | 73.31' LT | (808.08) |
| M | 99+06.30 | 62.13' LT | 808.53 |
| N | 99+08.56 | 60.78' LT | 808.54 |
| O | 98+90.18 | 34.09' LT | (808.49) |
| P | 98+87.21 | 42.75' LT | 809.04 |
| Q | 98+86.16 | 45.12' LT | 809.03 |
| R | 98+78.04 | 42.57' LT | 809.54 |
| S | 98+73.04 | 41.58' LT | 809.60 |
| T | 98+70.67 | 42.10' LT | 809.58 |
| U | 98+60.51 | 44.27' LT | 809.48 |
| V | 98+54.80 | 33.98' LT | (809.53) |
| W | 98+54.52 | 36.11' LT | 809.47 |

## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| ═══ | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

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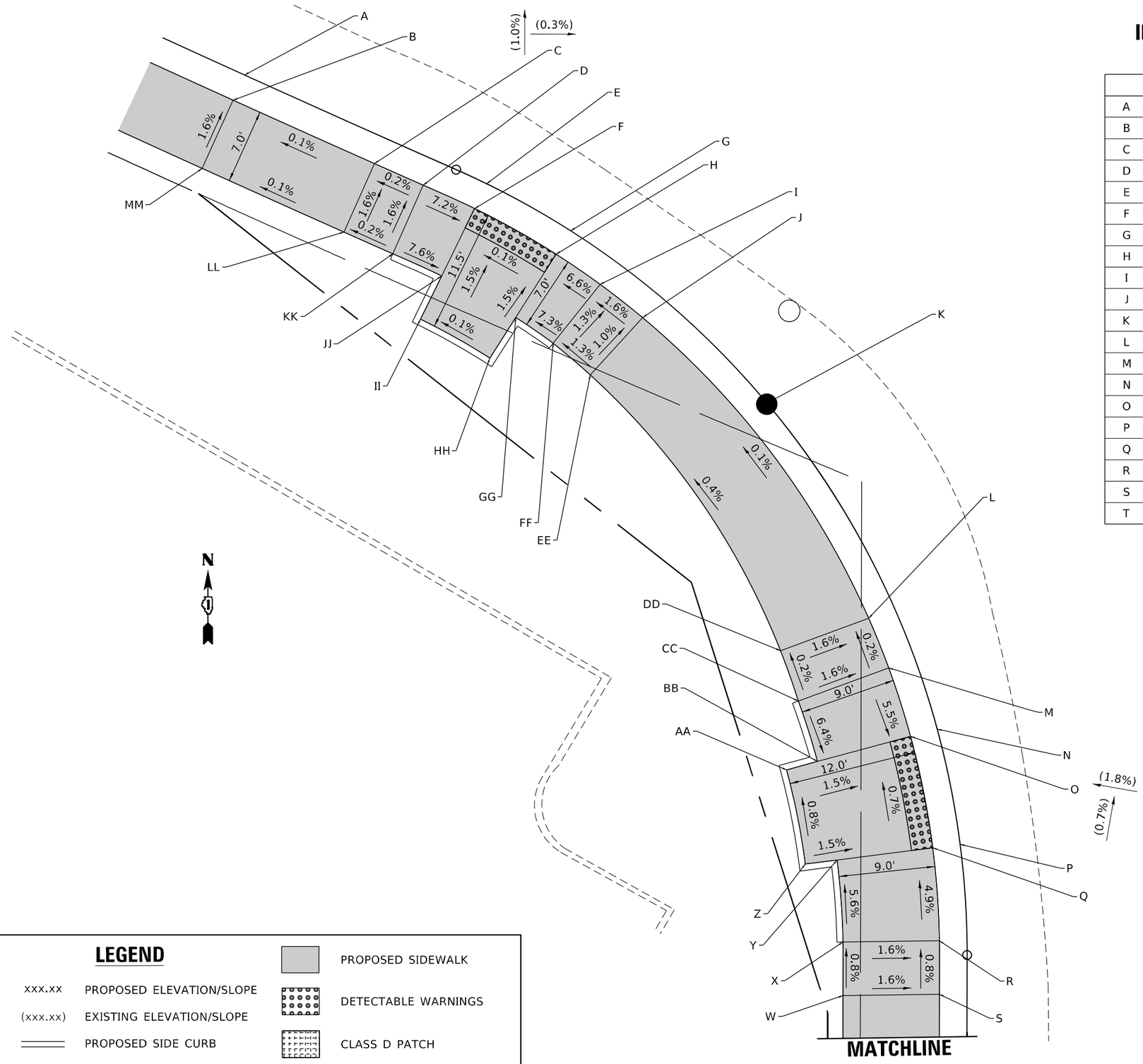
|---|---|---|
| USER NAME = tarlqfm | DESIGNED - | REVISED - FT, 6-22-2021 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 34 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## IL 19 AT BARRINGTON RD. (SOUTHWEST CORNER)

| | STATION | OFFSET | ELEVATION | | STATION | OFFSET | ELEVATION |
|---|---|---|---|---|---|---|---|
| A | 99+00.00 | 38.00' RT | 810.63 | U | 60+48.69 | 42.58' LT | 811.54 |
| B | 99+00.00 | 40.58' RT | 811.01 | V | 60+48.69 | 51.58' LT | 811.68 |
| C | 99+14.21 | 40.58' RT | 811.03 | W | 60+76.63 | 51.58' LT | 811.44 |
| D | 99+19.10 | 40.58' RT | 811.04 | X | 60+81.63 | 51.59' LT | 811.40 |
| E | 99+24.38 | 38.06' RT | 810.67 | Y | 60+89.29 | 52.16' LT | 810.97 |
| F | 99+24.27 | 40.64' RT | 810.66 | Z | 60+88.90 | 55.13' LT | 811.01 |
| G | 99+33.19 | 38.95' RT | 810.68 | AA | 60+97.70 | 56.90' LT | 810.94 |
| H | 99+32.79 | 41.51' RT | 810.67 | BB | 60+98.49 | 54.01' LT | 810.90 |
| I | 99+37.61 | 42.45' RT | 811.00 | CC | 61+04.13 | 55.82' LT | 811.28 |
| J | 99+42.37 | 43.73' RT | 811.08 | DD | 61+08.85 | 57.49' LT | 811.27 |
| K | 99+55.93 | 46.54' RT | 810.72 | EE | 99+40.05 | 50.58' RT | 811.15 |
| L | 61+11.89 | 49.26' LT | 811.13 | FF | 99+35.80 | 49.24' RT | 811.09 |
| M | 61+07.25 | 47.37' LT | 811.14 | GG | 99+31.72 | 48.42' RT | 810.78 |
| N | 61+01.55 | 42.83' LT | 810.77 | HH | 99+31.03 | 52.86' RT | 810.84 |
| O | 61+00.87 | 45.33' LT | 810.76 | II | 99+23.82 | 52.14' RT | 810.83 |
| P | 60+90.79 | 40.67' LT | 810.84 | JJ | 99+24.00 | 47.64' RT | 810.77 |
| Q | 60+90.46 | 43.23' LT | 810.83 | KK | 99+19.10 | 47.58' RT | 811.15 |
| R | 60+81.79 | 42.59' LT | 811.26 | LL | 99+14.21 | 47.58' RT | 811.14 |
| S | 60+76.78 | 42.58' LT | 811.30 | MM | 99+00.00 | 47.58' RT | 811.12 |
| T | 60+48.69 | 40.00' LT | 811.16 | | | | |

## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - FT. 6-22-2021 | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 35 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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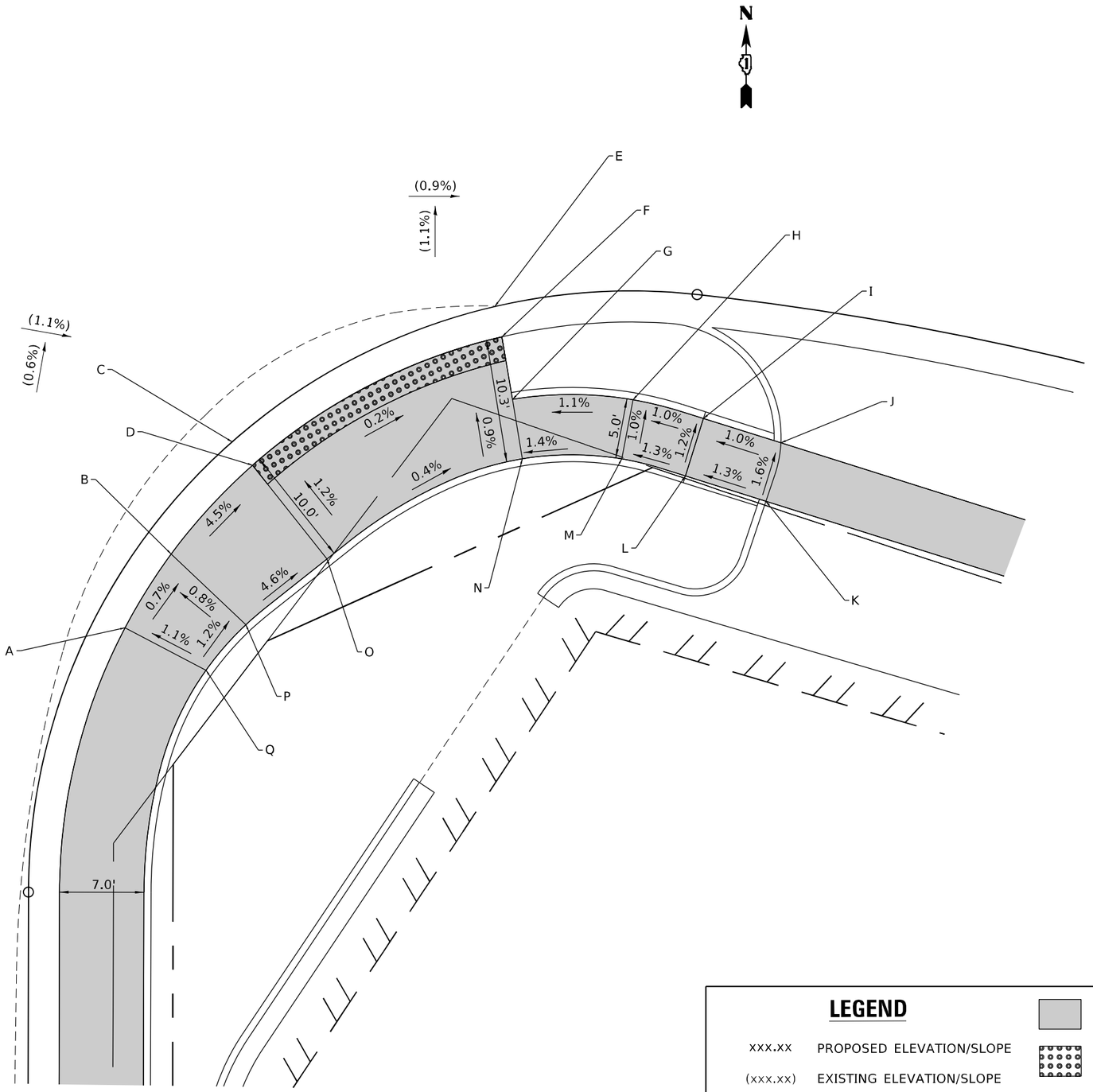
# IL 19 AT BARRINGTON RD. (SOUTHEAST CORNER)

| | STATION | OFFSET | ELEVATION |
|---|---|---|---|
| A | 100+81.04 | 75.11' RT | 811.17 |
| B | 100+82.56 | 68.07' RT | 811.12 |
| C | 100+84.17 | 57.61' RT | 810.68 |
| D | 100+86.36 | 58.86' RT | 810.67 |
| E | 101+00.69 | 39.81' RT | 810.63 |
| F | 101+02.04 | 42.00' RT | 810.62 |
| G | 101+04.49 | 46.64' RT | 810.67 |
| H | 101+13.78 | 43.44' RT | 810.78 |
| I | 101+19.70 | 43.05' RT | 810.84 |
| J | 101+26.31 | 42.94' RT | 810.91 |
| K | 101+26.65 | 47.94' RT | 810.99 |
| L | 101+19.79 | 48.05' RT | 810.90 |
| M | 101+14.46 | 48.39' RT | 810.83 |
| N | 101+06.81 | 51.04' RT | 810.71 |
| O | 100+94.53 | 64.17' RT | 810.79 |
| P | 100+90.10 | 71.54' RT | 811.19 |
| Q | 100+88.30 | 76.21' RT | 811.25 |




## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

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|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - FT. 6-22-2021 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

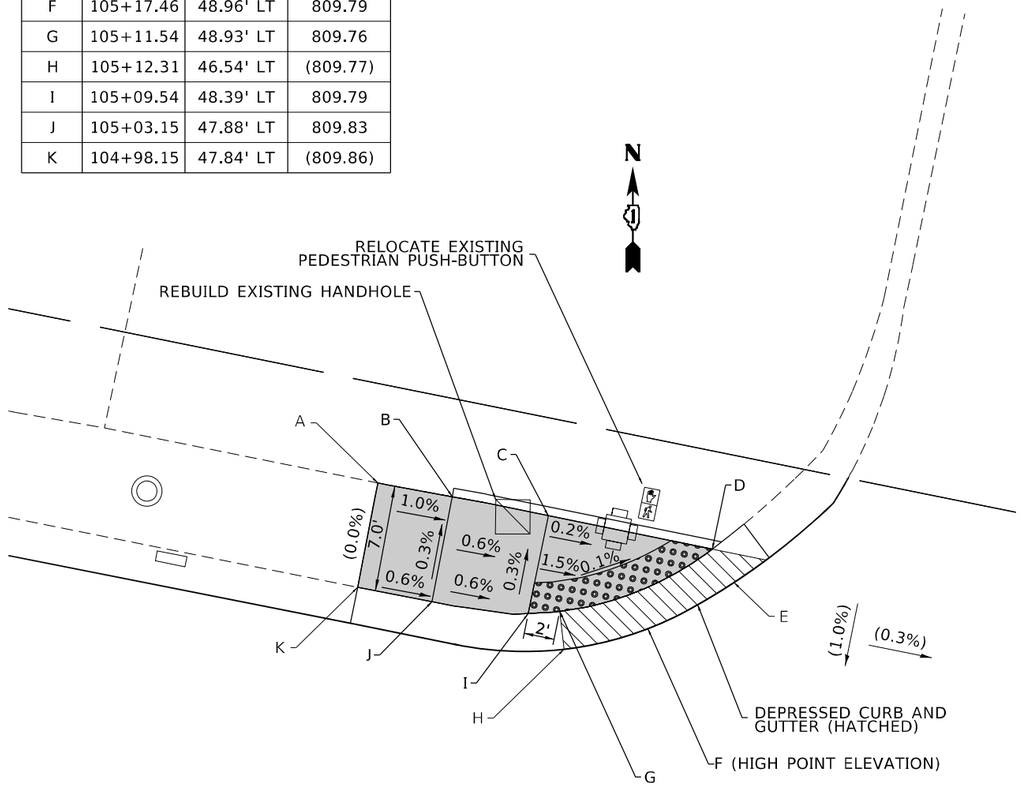
CURB RAMP DETAILS
IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.

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

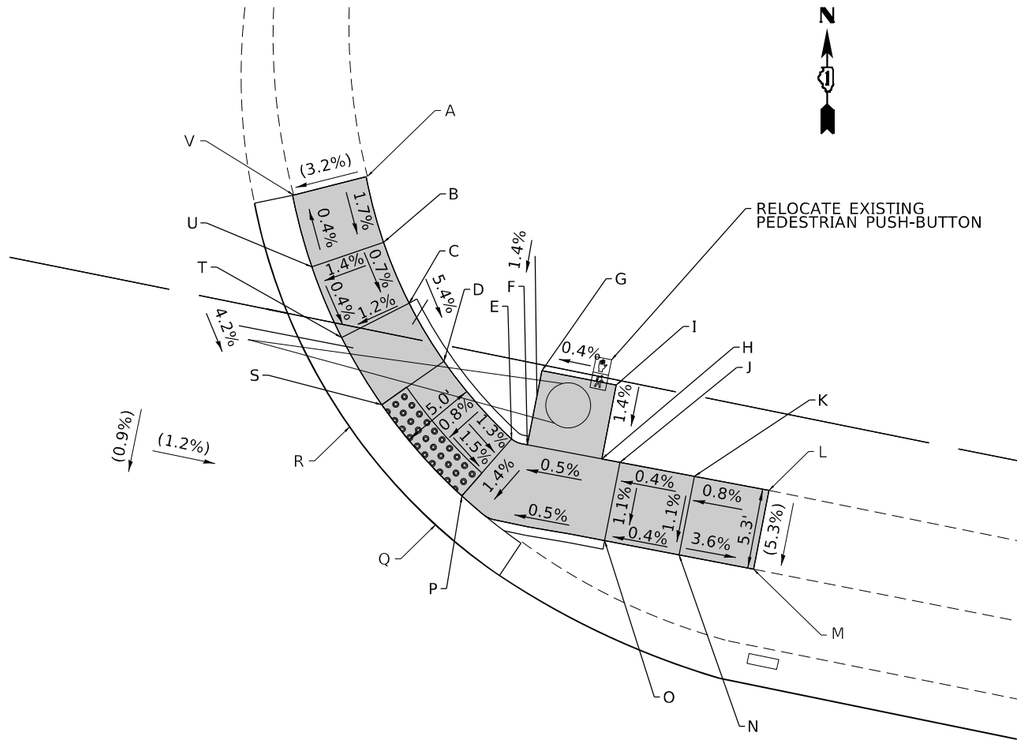
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 36 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## IL 19 AT MENARDS ENTRANCE (NORTHWEST CORNER)

| | STATION | OFFSET | ELEVATION |
|---|---|---|---|
| A | 104+98.08 | 54.86' LT | (809.86) |
| B | 105+03.08 | 54.93' LT | 809.81 |
| C | 105+09.54 | 54.97' LT | 809.77 |
| D | 105+20.59 | 54.96' LT | 809.75 |
| E | 105+22.44 | 53.08' LT | (809.76) |
| F | 105+17.46 | 48.96' LT | 809.79 |
| G | 105+11.54 | 48.93' LT | 809.76 |
| H | 105+12.31 | 46.54' LT | (809.77) |
| I | 105+09.54 | 48.39' LT | 809.79 |
| J | 105+03.15 | 47.88' LT | 809.83 |
| K | 104+98.15 | 47.84' LT | (809.86) |




## IL 19 AT MENARDS ENTRANCE (NORTHEAST CORNER)




| | STATION | OFFSET | ELEVATION | | STATION | OFFSET | ELEVATION |
|---|---|---|---|---|---|---|---|
| A | 105+89.67 | 71.23' LT | (809.66) | L | 106+19.83 | 56.18' LT | (809.33) |
| B | 105+91.65 | 67.18' LT | 809.59 | M | 106+19.86 | 50.87' LT | (809.05) |
| C | 105+94.10 | 63.57' LT | 809.56 | N | 106+14.86 | 50.82' LT | 809.23 |
| D | 105+97.10 | 60.28' LT | 809.32 | O | 106+09.86 | 50.77' LT | 809.21 |
| E | 106+02.50 | 56.15' LT | 809.23 | P | 106+00.04 | 51.79' LT | 809.16 |
| F | 106+03.60 | 55.96' LT | 809.24 | Q | 105+98.71 | 49.58' LT | (809.17) |
| G | 106+03.57 | 60.96' LT | 809.31 | R | 105+91.87 | 54.79' -T | (809.29) |
| H | 106+08.60 | 56.03' LT | 809.26 | S | 105+93.65 | 56.66' LT | 809.28 |
| I | 106+08.57 | 60.99' LT | 809.33 | T | 105+90.17 | 60.48' LT | 809.50 |
| J | 106+09.83 | 56.04' LT | 809.27 | U | 105+87.33 | 64.66' LT | 809.52 |
| K | 106+14.83 | 56.11' LT | 809.29 | V | 105+85.20 | 69.07' LT | (809.50) |

## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

## NOTE:

THE EXISTING PEDESTRIAN PUSH-BUTTONS AT THE SOUTHWEST AND SOUTHEAST CORNERS OF IL 19 AT MENARDS ENTRANCE SHALL BE RELOCATED TO ACHIEVE ADA COMPLIANCE. THIS WORK SHALL BE PAID FOR AS "RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON".

MODEL: Default
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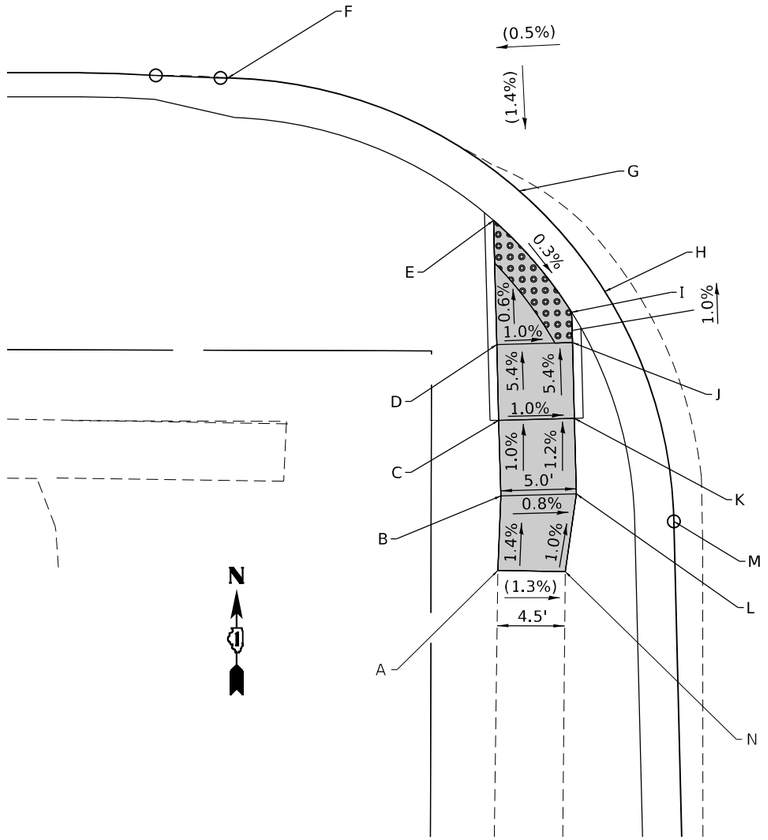
| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - FT. 6-22-2021 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

CURB RAMP DETAILS
IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.

SCALE: SHEET OF SHEETS STA. TO STA.

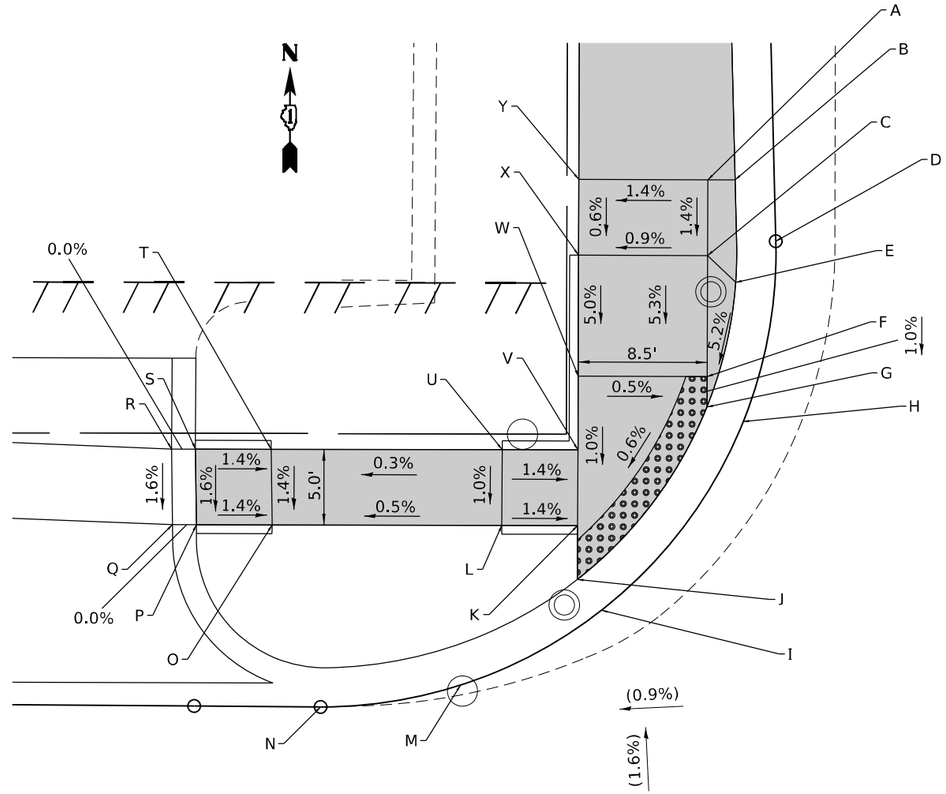
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 37 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## BARRINGTON RD. AT TANGLEWOOD AVE. (SOUTHWEST CORNER)




| | STATION | OFFSET | ELEVATION |
|---|---|---|---|
| A | 56+98.85 | 45.54' LT | (810.06) |
| B | 57+03.78 | 45.37' LT | 809.99 |
| C | 57+08.78 | 45.51' LT | 809.94 |
| D | 57+13.77 | 45.64' LT | 809.67 |
| E | 57+21.97 | 45.87' LT | 809.62 |
| F | 57+31.31 | 63.45' LT | 809.68 |
| G | 57+23.91 | 44.17' LT | 809.63 |
| H | 57+17.29 | 38.52' LT | 809.61 |
| I | 57+15.91 | 40.70' LT | 809.60 |
| J | 57+13.91 | 40.65' LT | 809.62 |
| K | 57+08.91 | 40.51' LT | 809.89 |
| L | 57+03.92 | 40.37' LT | 809.95 |
| M | 57+02.12 | 33.92' -T | 809.57 |
| N | 56+98.79 | 41.09' LT | (810.00) |

## BARRINGTON RD. AT TANGLEWOOD AVE. (NORTHWEST CORNER)




| | STATION | OFFSET | ELEVATION | | STATION | OFFSET | ELEVATION |
|---|---|---|---|---|---|---|---|
| A | 57+90.16 | 40.66' LT | 810.07 | N | 57+55.32 | 66.15' LT | 809.52 |
| B | 57+90.16 | 38.85' LT | 810.10 | O | 57+67.32 | 69.37' LT | 810.51 |
| C | 57+85.16 | 40.67' LT | 810.00 | P | 57+67.32 | 74.37' LT | 810.58 |
| D | 57+86.12 | 36.16' LT | 809.66 | Q | 57+67.32 | 75.95' LT | 810.58 |
| E | 57+83.40 | 38.80' LT | 810.00 | R | 57+72.32 | 76.01' LT | 810.66 |
| F | 57+77.16 | 40.68' LT | 809.58 | S | 57+72.32 | 74.43' LT | 810.66 |
| G | 57+75.16 | 40.69' LT | 809.56 | T | 57+72.32 | 69.43' LT | 810.59 |
| H | 57+74.21 | 38.29' LT | 809.57 | U | 57+72.32 | 54.20' LT | 809.64 |
| I | 57+61.73 | 47.61' LT | 809.49 | V | 57+72.32 | 49.20' LT | 809.57 |
| J | 57+63.76 | 49.21' LT | 809.48 | W | 57+77.17 | 49.19' LT | 809.62 |
| K | 57+67.32 | 49.21' LT | 809.52 | X | 57+85.17 | 49.18' LT | 809.92 |
| L | 57+67.32 | 54.21' LT | 809.59 | Y | 57+90.17 | 49.18' LT | 809.95 |
| M | 57+56.78 | 56.91' LT | 809.44 | | | | |

## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - FT, 6-22-2021 | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

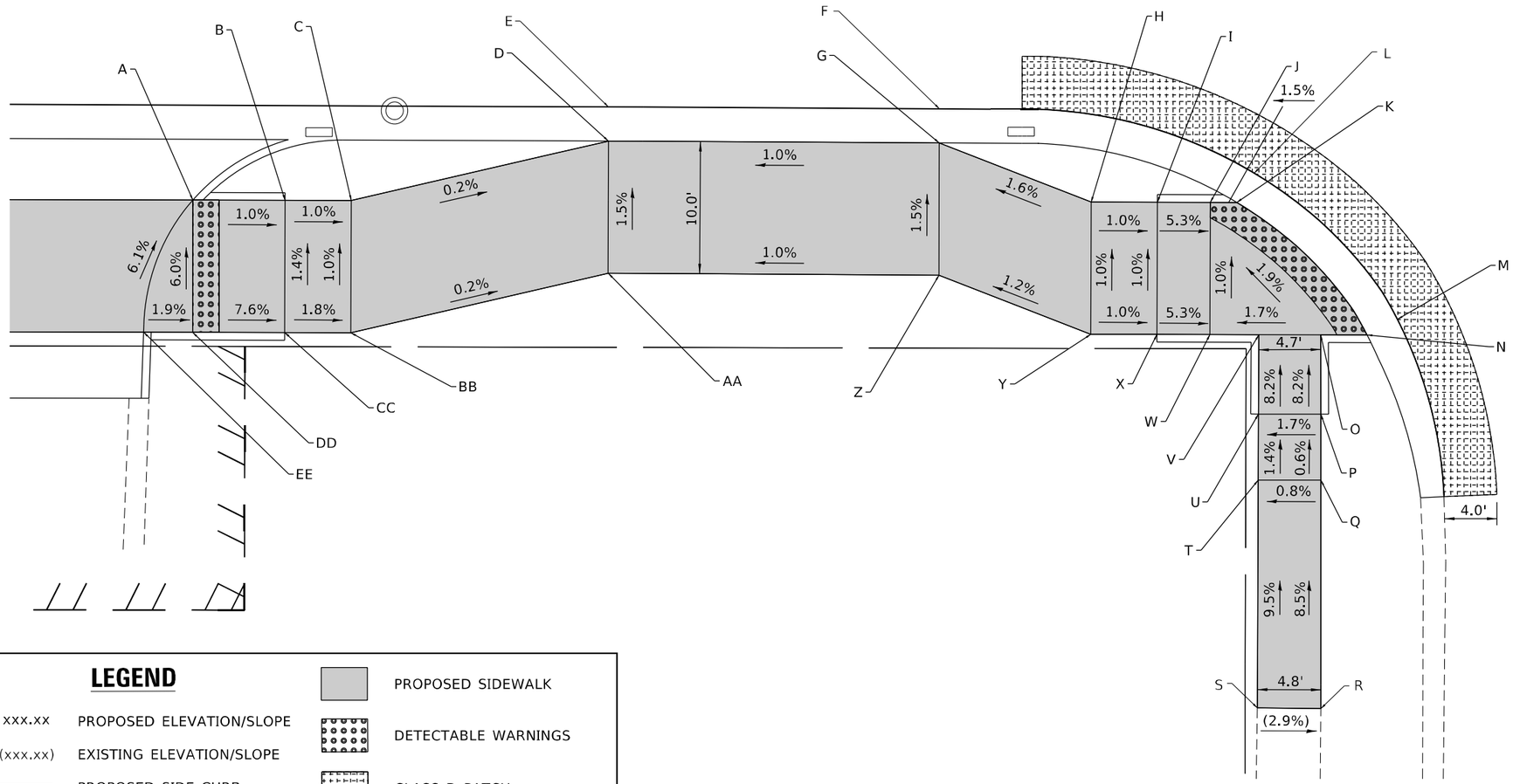
**CURB RAMP DETAILS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 38 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |

# BARRINGTON RD. AT BRISTOL LN. (SOUTHEAST CORNER)

| | STATION | OFFSET | ELEVATION | | STATION | OFFSET | ELEVATION |
|---|---|---|---|---|---|---|---|
| A | 68+68.60 | 39.00' RT | 798.19 | Q | 69+53.90 | 60.00' RT | 798.92 |
| B | 68+75.57 | 39.00' RT | 798.12 | R | 69+53.93 | 77.25' RT | (800.38) |
| C | 68+80.57 | 39.00' RT | 798.07 | S | 69+49.14 | 77.22' RT | (800.52) |
| D | 69+00.00 | 34.47' RT | 797.98 | T | 69+49.16 | 60.00' RT | 798.88 |
| E | 69+00.00 | 31.89' RT | (797.60) | U | 69+49.17 | 55.00' RT | 798.81 |
| F | 69+25.00 | 31.97' RT | (797.84) | V | 69+49.19 | 49.00' RT | 798.32 |
| G | 69+25.00 | 34.55' RT | 798.22 | W | 69+45.49 | 49.00' RT | 798.26 |
| H | 69+36.49 | 39.00' RT | 798.42 | X | 69+41.49 | 49.00' RT | 798.47 |
| I | 69+41.49 | 39.00' RT | 798.37 | Y | 69+36.49 | 49.00' RT | 798.52 |
| J | 69+45.49 | 39.00' RT | 798.16 | Z | 69+25.00 | 44.55' RT | 798.37 |
| K | 69+47.49 | 39.00' RT | 798.19 | AA | 69+00.00 | 44.46' RT | 798.13 |
| L | 69+48.81 | 36.79' RT | (798.20) | BB | 68+80.57 | 49.00' RT | 798.17 |
| M | 69+59.66 | 47.82' RT | 798.47 | CC | 68+75.57 | 49.00' RT | 798.26 |
| N | 69+57.36 | 49.00' RT | 798.46 | DD | 68+68.60 | 49.00' RT | 798.79 |
| O | 69+53.85 | 49.00' RT | 798.40 | EE | 68+64.91 | 49.00' RT | 798.86 |
| P | 69+53.88 | 55.00' RT | 798.89 | | | | |




## LEGEND

| | |
|---|---|
| xxx.xx | PROPOSED ELEVATION/SLOPE |
| (xxx.xx) | EXISTING ELEVATION/SLOPE |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |
| | CLASS D PATCH |

MODEL: Default
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| | | |
|---|---|---|
| USER NAME = tarlqfm | DESIGNED - | REVISED - FT, 6-22-2021 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 39 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## MAINTENANCE OF TRAFFIC NOTES

- THE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. ANY CHANGES TO THE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

- THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

- THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS.

- ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. WHEN A DRIVEWAY MUST BE CLOSED TEMPORARILY FOR CONSTRUCTION OF THE DRIVEWAY APRON, PROPERTIES WITH MULTIPLE ENTRANCES SHALL HAVE ONLY ONE ENTRANCE CLOSED AT A TIME.

- ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" WITHIN THE PROJECT LIMITS AND "PAVEMENT MARKING REMOVAL - WATER BLASTING" OUTSIDE THE PROJECT LIMITS.

- ALL EXISTING SIGNS WITHIN THE LIMITS OF THE MAINTENANCE OF TRAFFIC WHICH ARE OBSCURED BY OR OTHERWISE INTERFERED WITH BY THE CONSTRUCTION OPERATIONS AND MAINTENANCE OF TRAFFIC, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

- CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE LIMITS THAT CONFLICT WITH MAINTENANCE OF TRAFFIC STRIPING 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 CONTRACTOR SHALL STAGE LIGHT POLE RELOCATIONS ONE AT A TIME TO AVOID INTERRUPTING THE NORMAL NIGHTTIME OPERATION. NEW FOUNDATIONS AND NEW UNIT DUCT AND/OR CONDUIT SHALL BE INSTALLED PRIOR TO REMOVING ANY EXISTING POLE FOR RELOCATION TO MINIMIZE THE TIME REQUIRED TO INSTALL THE NEW POLE AND LIMIT LIGHTING DOWN TIME TO DAY LIGHT HOURS WHEN THE LIGHTING SYSTEM IS NOT REQUIRED TO BE OPERATIONAL.

## CONSTRUCTION SEQUENCE

PRE-STAGE:

APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL AND PROTECTION FOR DAY-TIME LANE CLOSURES SHALL BE UTILIZED TO PERFORM THE WORK LISTED BELOW.

- RELOCATION OF UTILITIES

- INSTALLATION OF PERIMETER EROSION BARRIER

- INSTALLATION OF TEMPORARY TRAFFIC SIGNALS

- MEDIAN REMOVAL, REMOVAL OF SIGN PANEL ASSEMBLIES, CONSTRUCTION OF TEMPORARY PAVEMENT, AND DRAINAGE STRUCTURE ADJUSTMENTS (SEE PRE-STAGE PLAN FOR LOCATIONS).

STAGE 1A:

TRAVEL LANES ON IL 19 AND BARRINGTON ROAD SHALL BE SHIFTED TO THE INSIDE WHILE MAINTAINING TWO THROUGH LANES IN EACH DIRECTION.

11 FOOT WIDE THROUGH LANES SHALL BE MAINTAINED AT ALL TIMES. EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 1A SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" OR "PAVEMENT MARKING REMOVAL - WATER BLASTING". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 1A MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER.

ALL PROPOSED WORK SHALL BE EXECUTED ON THE SOUTHWEST AND NORTHEAST QUADRANTS.

STAGE 1B:

TRAVEL LANES SHALL REMAIN AS STAGE 1A WITH THE EXCEPTION OF AN EASTBOUND RIGHT-TURN LANE FROM IL 19 TO BARRINGTON ROAD BEING OPEN TO TRAFFIC IN THIS STAGE.

11 FOOT WIDE THOUGH LANES SHALL BE MAINTAINED AT ALL TIMES. PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 1A CONFLICTING WITH THE PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 1B SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 1B MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER.

ALL PROPOSED WORK SHALL BE EXECUTED ON THE SOUTHEAST AND NORTHWEST QUADRANTS.

STAGE 2:

TRAVEL LANES ON IL 19 AND BARRINGTON ROAD SHALL BE SHIFTED TO THE OUTSIDE WHILE MAINTAINING TWO THOUGH LANES IN EACH DIRECTION.

11 FOOT WIDE THROUGH LANES SHALL BE MAINTAINED AT ALL TIMES. PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 1B SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL". PROPOSED PAVEMENT MARKING TAPE, TYPE IV SHALL BE PLACED ACCORDING TO THE SUGGESTED STAGE 2 MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE ENGINEER.

ALL PROPOSED WORK SHALL BE EXECUTED WITHIN THE WORK AREA. TEMPORARY PAVEMENT PLACED OUTSIDE THE FOOTPRINT OF THE PROPOSED MEDIAN SHALL REMAIN IN PLACE AFTER STAGING EXCEPT FROM STA. 59+27 TO STA. 60+83. TEMPORARY PAVEMENT THAT IS TO REMAIN SHALL BE MILLED IN POST-STAGE. AGGREGATE SUBGRADE IMPROVEMENT 12" PLACED UNDER TEMPORARY PAVEMENT THAT IS AT THE LOCATION OF PROPOSED MEDIAN SHALL REMAIN IN PLACE AFTER THE TEMPORARY PAVEMENT IS REMOVED.

POST-STAGE:

THE REMOVAL OF PAVEMENT MARKING TAPE, TYPE IV FOR STAGE 2 SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL".

BOTH IL 19 AND BARRINGTON ROAD SHALL BE MILLED AND RESURFACED. APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL AND PROTECTION SHALL APPLY.

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|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**MAINT. OF TRAFFIC NOTES AND SUGGESTED CONSTRUCTION SEQUENCE**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | | 135 | 40 |
| | | | CONTRACT NO. 62K02 | |
| | ILLINOIS | FED. AID PROJECT | | |

MATCHLINE STA. 67+00

IMPROVEMENT BEGINS
STA. 95+04

IMPROVEMENT ENDS
STA. 69+64

IMPROVEMENT BEGINS
STA. 55+98

IMPROVEMENT ENDS
STA. 61+15

IMPROVEMENT ENDS
STA. 109+20

N

BARRINGTON ROAD

IL. ROUTE 19
(IRVING PARK ROAD)

BRISTOL LANE

TANGLEWOOD AVENUE

MEDIAN REMOVAL
TEMPORARY PAVEMENT
AGGREGATE SUBGRADE IMPROVEMENT 12"

REMOVE SIGN PANEL
ASSEMBLY - TYPE A

MEDIAN REMOVAL
TEMPORARY PAVEMENT
SUBBASE GRANULAR MATERIAL, TYPE B 4"
(USED BETWEEN STA. 55+55 AND STA. 55+98)

MATCHLINE STA. 58+00

NOTE:

TEMPORARY PAVEMENT CONSISTS OF:

TEMPORARY PAVEMENT
HMA BINDER COURSE, IL-19.0, N70; 10"
AGGREGATE SUBGRADE IMPROVEMENT 12"

OR

TEMPORARY PAVEMENT
HMA BINDER COURSE, IL-19.0, N70; 10"
SUBBASE GRANULAR MATERIAL, TYPE B 4"

(SEE HMA MIXTURE REQUIREMENTS TABLE FOR ADDITIONAL DETAILS)

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| USER NAME = tarlqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED PRE–STAGE PLAN**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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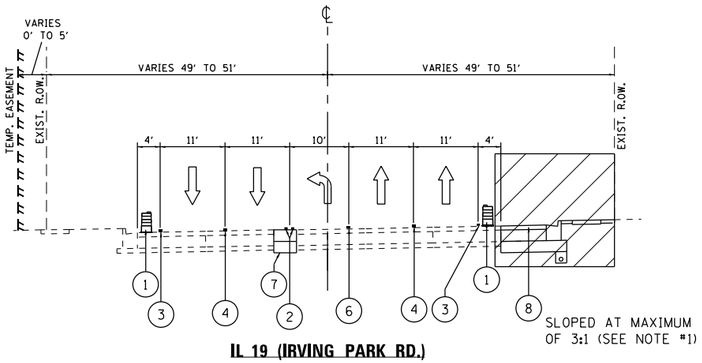
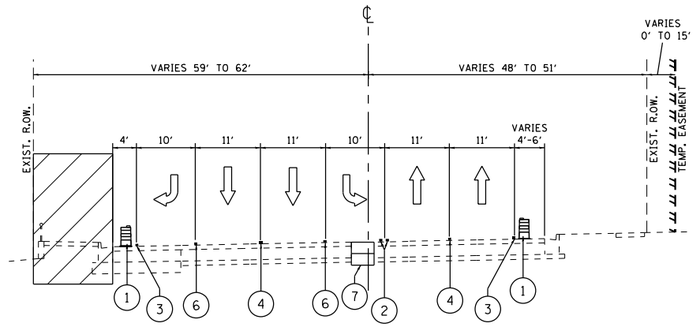
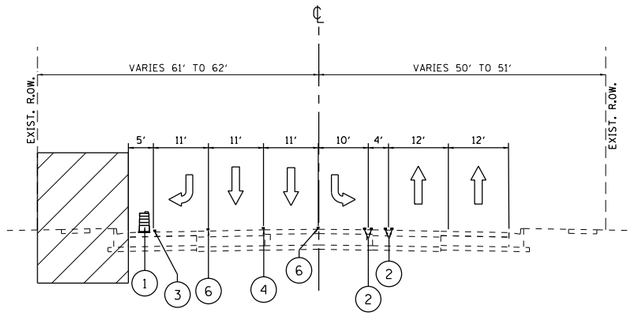
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |



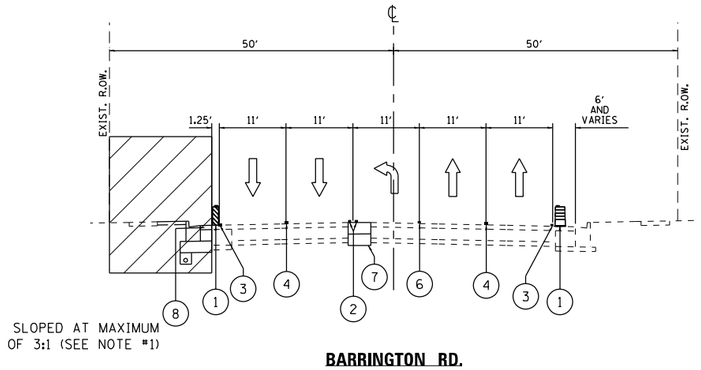

**IL 19 (IRVING PARK RD.)**
**STAGE 1A TYPICAL SECTION**
STA. 95+04 TO STA. 100+00



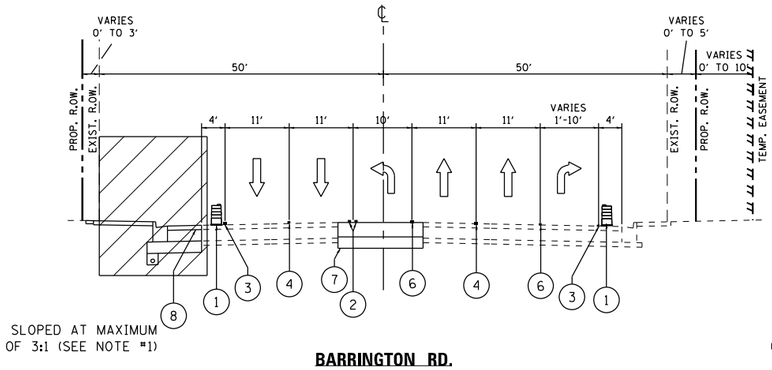

**IL 19 (IRVING PARK RD.)**
**STAGE 1A TYPICAL SECTION**
STA. 100+00 TO STA. 105+26



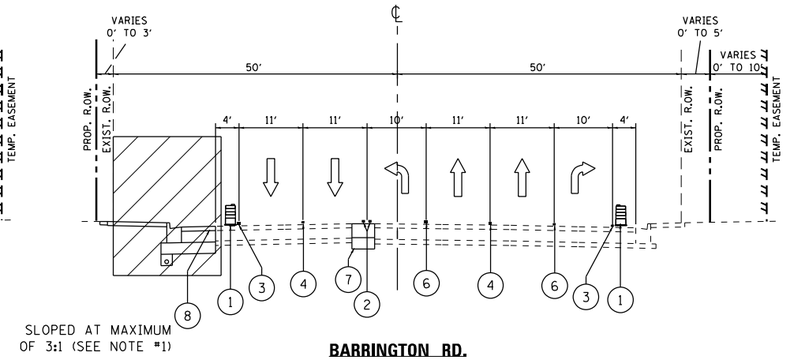

**IL 19 (IRVING PARK RD.)**
**STAGE 1A TYPICAL SECTION**
STA. 105+26 TO STA. 109+20



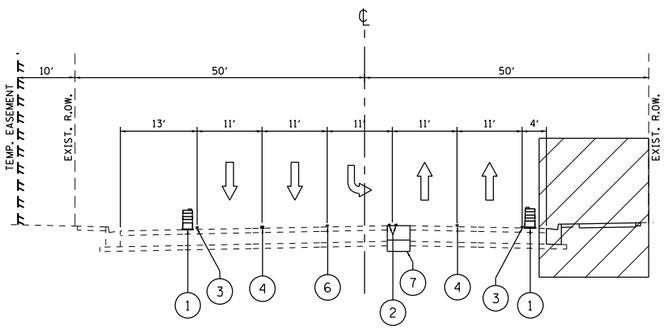

**BARRINGTON RD.**
**STAGE 1A TYPICAL SECTION**
STA. 55+98 TO STA. 57+43



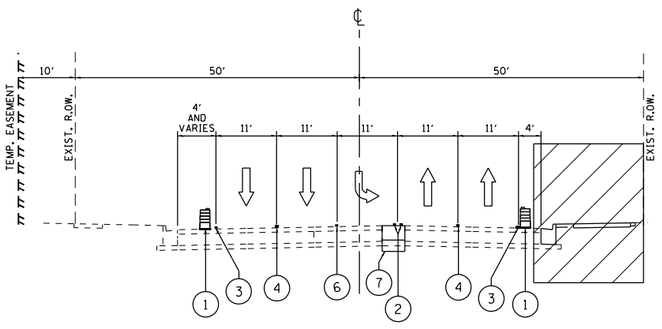

**BARRINGTON RD.**
**STAGE 1A TYPICAL SECTION**
STA. 57+43 TO STA. 59+27



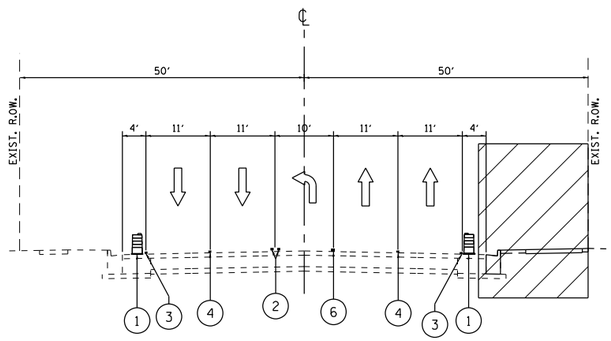

**BARRINGTON RD.**
**STAGE 1A TYPICAL SECTION**
STA. 59+27 TO STA. 61+58




**BARRINGTON RD.**
**STAGE 1A TYPICAL SECTION**
STA. 61+58 TO STA. 64+26




**BARRINGTON RD.**
**STAGE 1A TYPICAL SECTION**
STA. 64+26 TO STA. 66+37




**BARRINGTON RD.**
**STAGE 1A TYPICAL SECTION**
STA. 66+37 TO STA. 69+64

## LEGEND

- DIRECTION OF TRAFFIC
- WORK AREA
- (1) TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE (TYP.)
- (2) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C
- (3) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE
- (4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- (5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE
- (6) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE
- (7) TEMPORARY PAVEMENT
  HMA BINDER COURSE, IL-19.0, N70: 10"
  AGGREGATE SUBGRADE IMPROVEMENT 12"
  OR
  TEMPORARY PAVEMENT
  HMA BINDER COURSE, IL-19.0, N70: 10"
  SUBBASE GRANULAR MATERIAL, TYPE B 4"
  (SEE PRE-STAGE PLAN FOR LOCATION OF EACH CASE)
- (8) TEMPORARY WEDGE

## NOTES

1. TEMPORARY WEDGE SHALL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH). ITS REMOVAL SHALL BE PAID FOR AS PAVEMENT REMOVAL.
2. PAVEMENT DROP-OFF SHALL NOT EXCEED 18" BEHIND CHANNELIZATION DRUMS OR BARRICADES AND SHALL NOT EXCEED 95 CALENDAR DAYS. TEMPORARY GRADING TO REDUCE DROP-OFF HEIGHT DURING CONSTRUCTION SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 1A TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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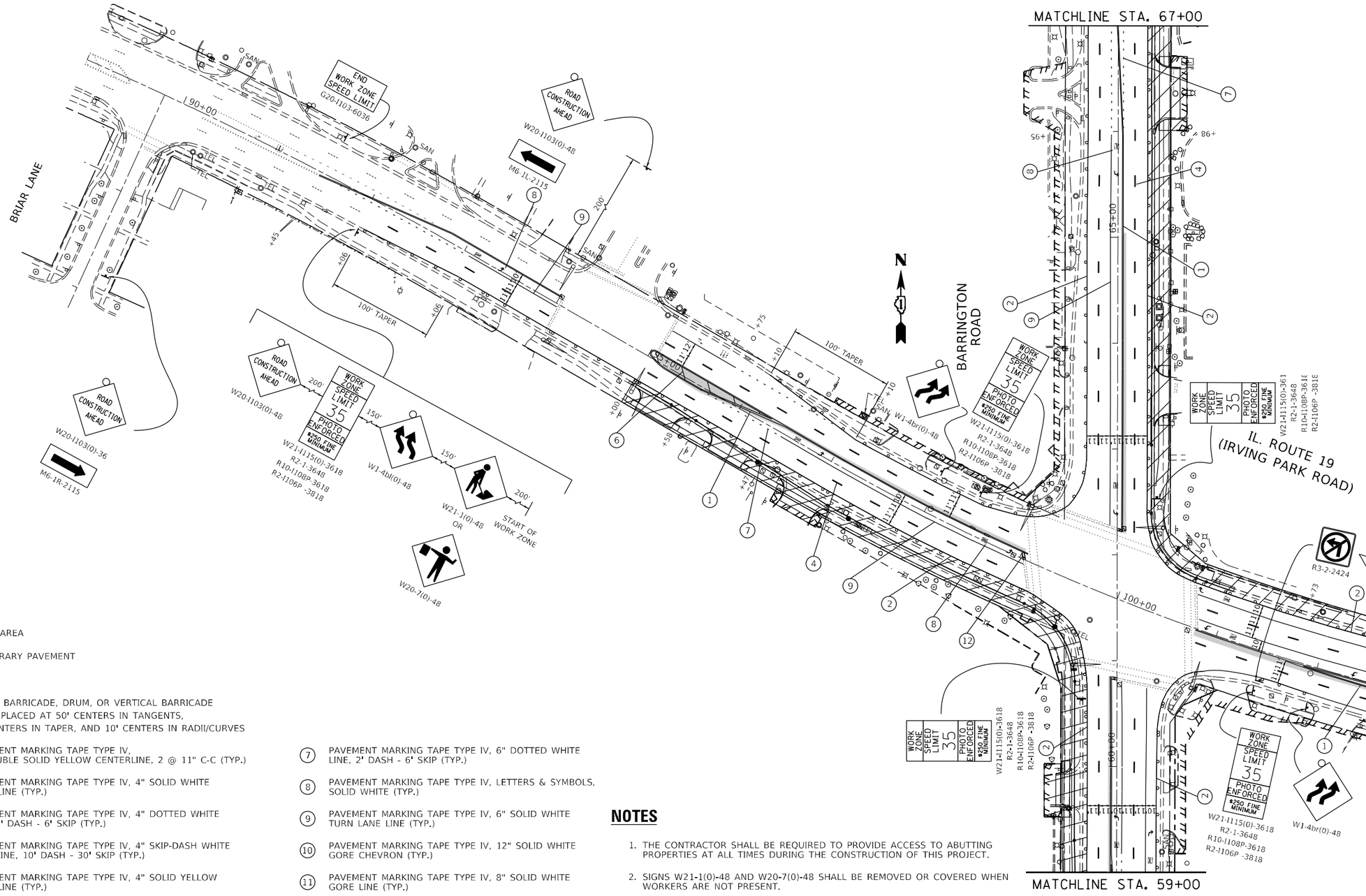
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES

1. PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)
3. PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
4. PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
5. PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)
6. PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
7. PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
8. PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
9. PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)
10. PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)
11. PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)
12. PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

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| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

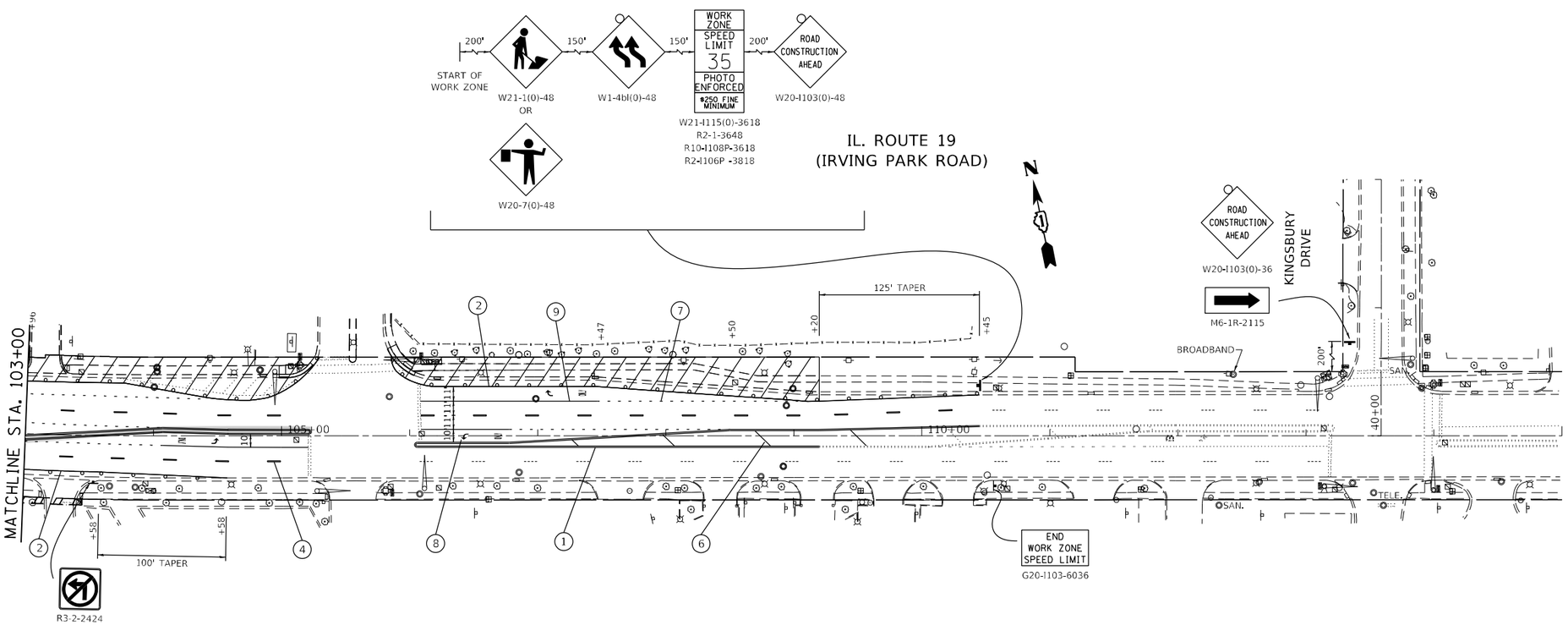
SUGGESTED STAGE 1A MAINTENANCE OF TRAFFIC
IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 43 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.




## LEGEND

WORK AREA

TEMPORARY PAVEMENT

SIGN

TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES

(1) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)

(2) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)

(3) PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)

(4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)

(5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)

(6) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)

(7) PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)

(8) PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)

(9) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)

(10) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)

(11) PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)

(12) PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

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| | DRAWN - | REVISED - | |
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| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 1A MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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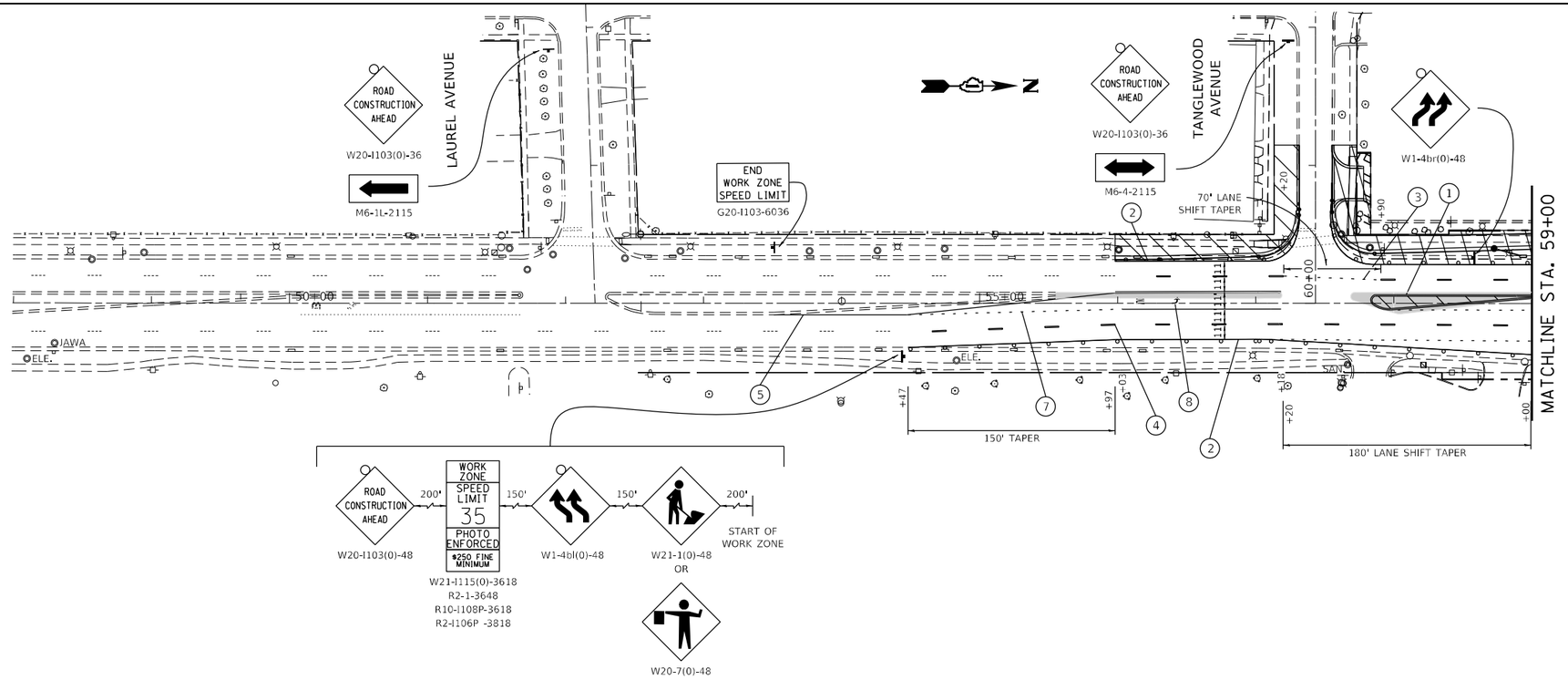
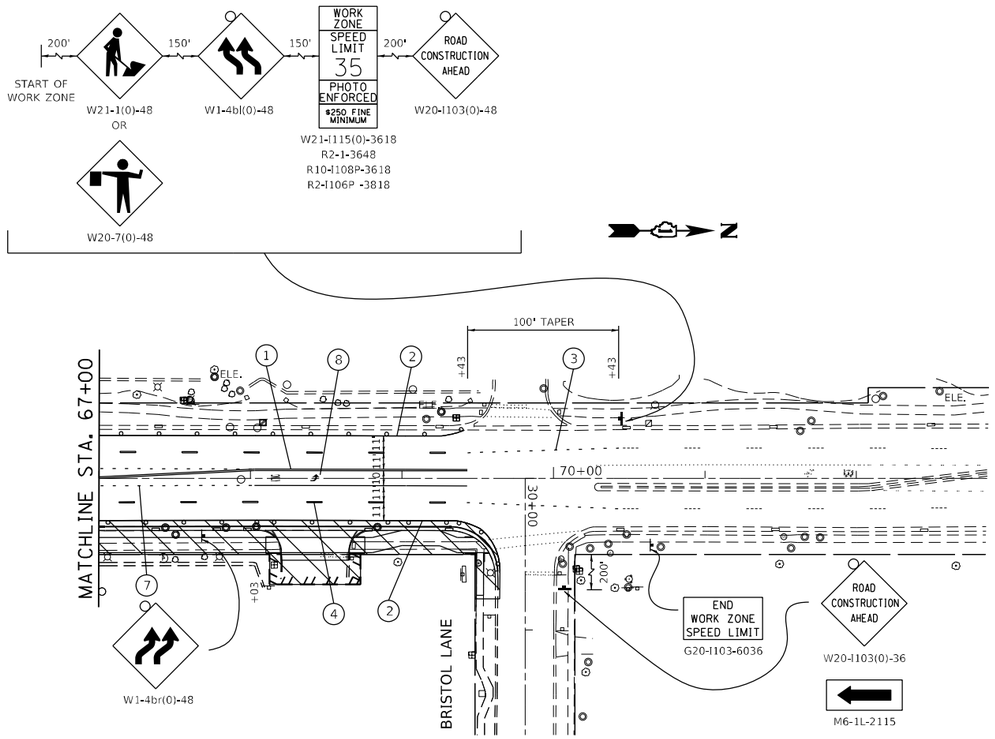
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- (1) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
- (2) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)
- (3) PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
- (5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)
- (6) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
- (7) PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (8) PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- (9) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)
- (10) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)
- (11) PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)
- (12) PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

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| PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 1A MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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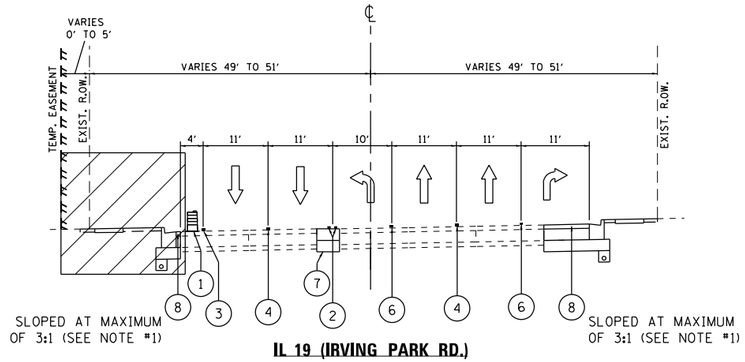
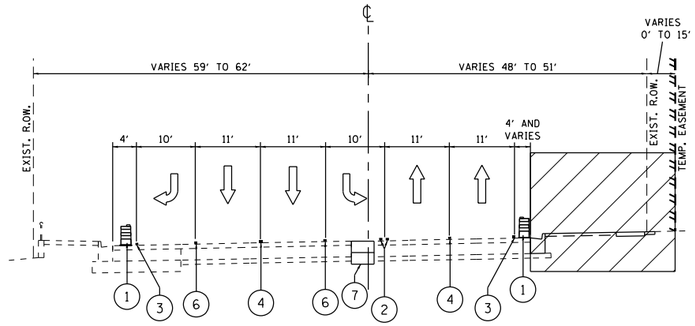
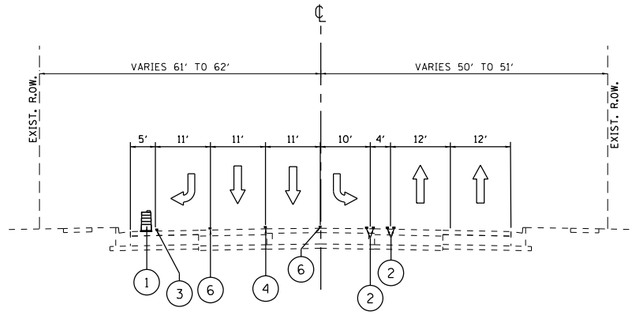
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |



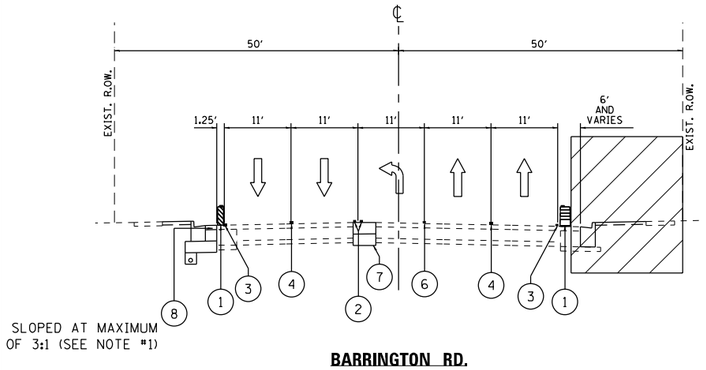

**IL 19 (IRVING PARK RD.)**
**STAGE 1B TYPICAL SECTION**
STA. 95+04 TO STA. 100+00



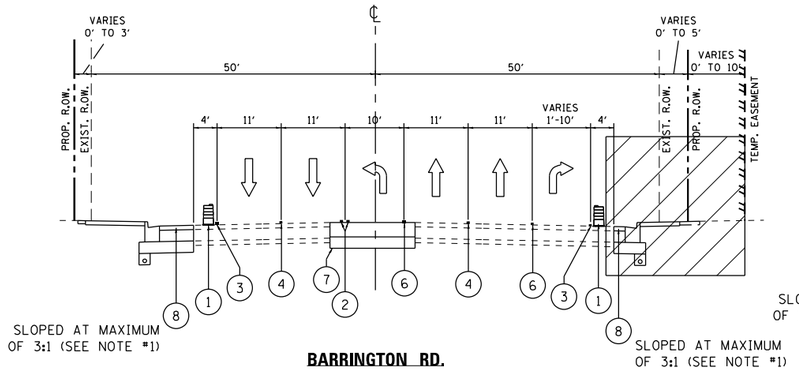

**IL 19 (IRVING PARK RD.)**
**STAGE 1B TYPICAL SECTION**
STA. 100+00 TO STA. 105+26



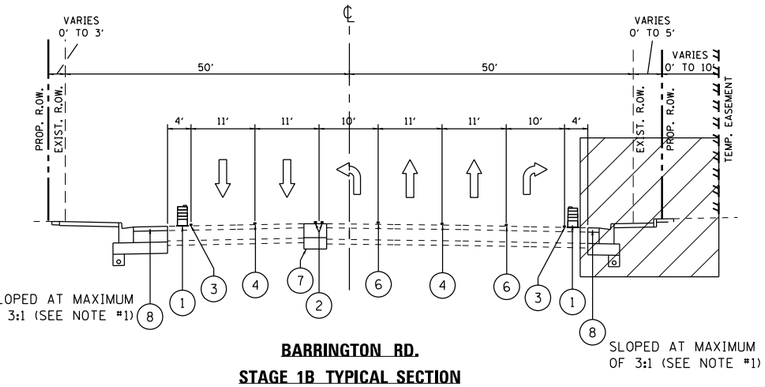

**IL 19 (IRVING PARK RD.)**
**STAGE 1B TYPICAL SECTION**
STA. 105+26 TO STA. 109+20



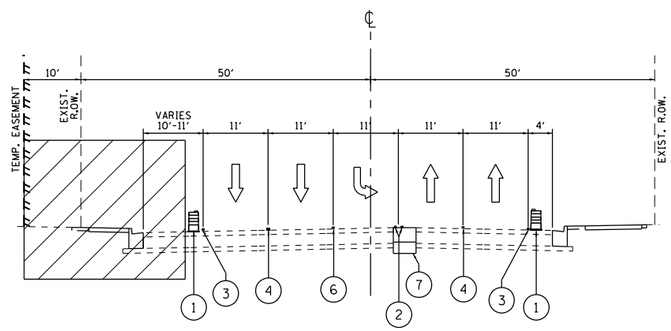

**BARRINGTON RD.**
**STAGE 1B TYPICAL SECTION**
STA. 55+98 TO STA. 57+43



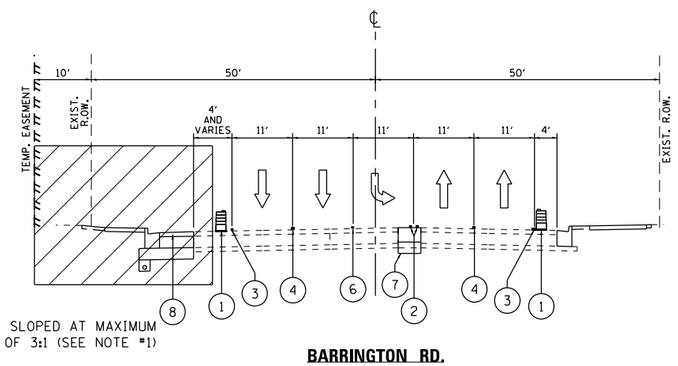

**BARRINGTON RD.**
**STAGE 1B TYPICAL SECTION**
STA. 57+43 TO STA. 59+27



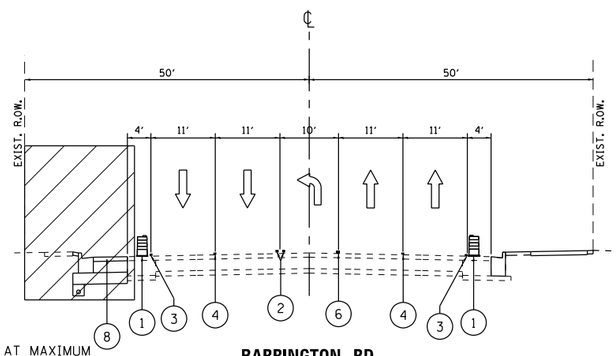

**BARRINGTON RD.**
**STAGE 1B TYPICAL SECTION**
STA. 59+27 TO STA. 61+58




**BARRINGTON RD.**
**STAGE 1B TYPICAL SECTION**
STA. 61+58 TO STA. 64+26




**BARRINGTON RD.**
**STAGE 1B TYPICAL SECTION**
STA. 64+26 TO STA. 66+37




**BARRINGTON RD.**
**STAGE 1B TYPICAL SECTION**
STA. 66+37 TO STA. 69+64

## LEGEND

- DIRECTION OF TRAFFIC
- WORK AREA
- (1) TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE (TYP.)
- (2) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C
- (3) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE
- (4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- (5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE
- (6) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE
- (7) TEMPORARY PAVEMENT HMA BINDER COURSE, IL-19.0, N70: 10" AGGREGATE SUBGRADE IMPROVEMENT 12" OR TEMPORARY PAVEMENT HMA BINDER COURSE, IL-19.0, N70: 10" SUBBASE GRANULAR MATERIAL, TYPE B 4" (SEE PRE-STAGE PLAN FOR LOCATION OF EACH CASE)
- (8) TEMPORARY WEDGE

## NOTES

1. TEMPORARY WEDGE SHALL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH). ITS REMOVAL SHALL BE PAID FOR AS PAVEMENT REMOVAL.
2. PAVEMENT DROP-OFF SHALL NOT EXCEED 18" BEHIND CHANNELIZATION DRUMS OR BARRICADES AND SHALL NOT EXCEED 95 CALENDAR DAYS. TEMPORARY GRADING TO REDUCE DROP-OFF HEIGHT DURING CONSTRUCTION SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

MODEL: Default
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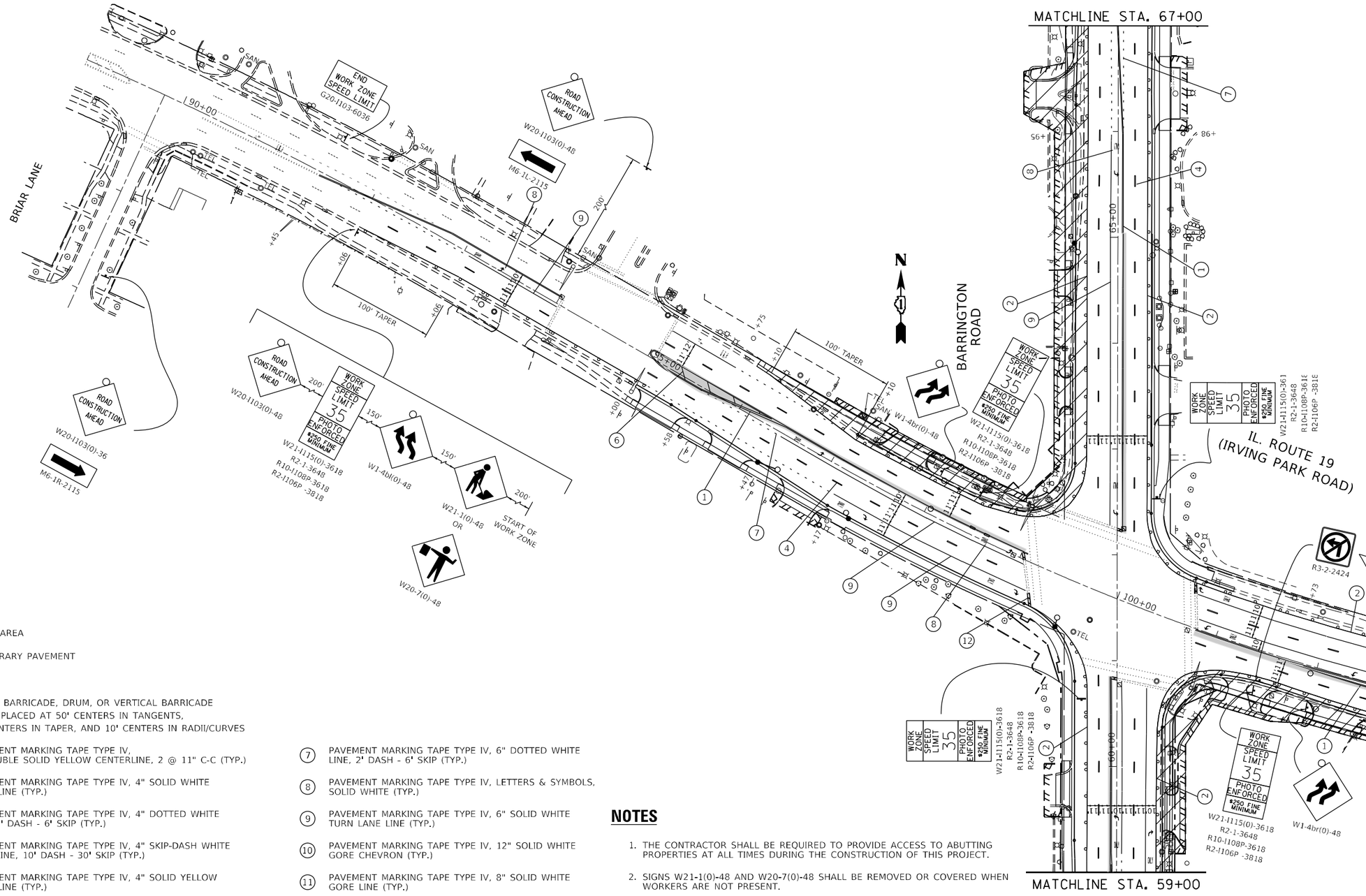
| USER NAME = tariqfm | DESIGNED - | REVISED - FT, 7-19-2021 | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 1B TYPICAL SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 46 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES

1. PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)
3. PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
4. PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
5. PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)
6. PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
7. PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
8. PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
9. PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)
10. PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)
11. PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)
12. PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. TRAVEL LANES SHALL REMAIN AS STAGE 1A WITH THE EXCEPTION OF AN EASTBOUND RIGHT-TURN LANE FROM IL 19 TO BARRINGTON ROAD BEING OPEN TO TRAFFIC IN THIS STAGE.

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

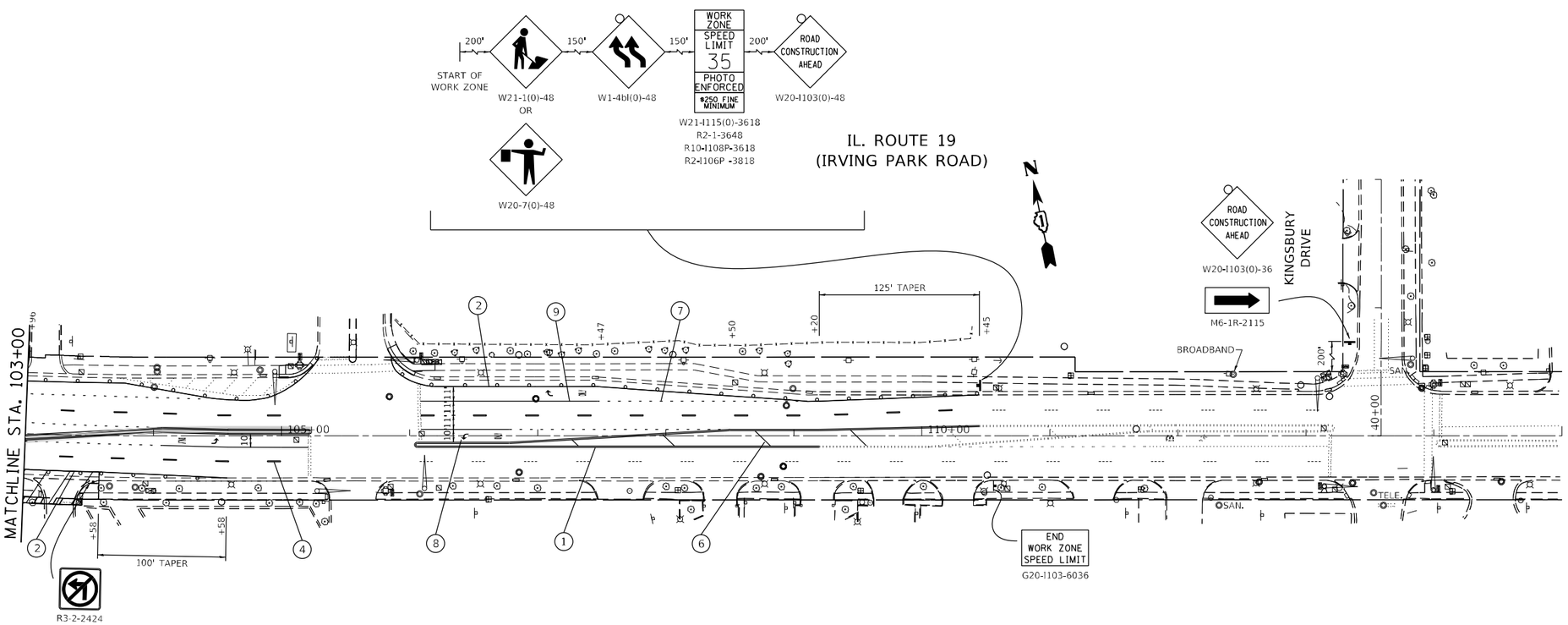
**SUGGESTED STAGE 1B MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 47 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. TRAVEL LANES SHALL REMAIN AS STAGE 1A WITH THE EXCEPTION OF AN EASTBOUND RIGHT-TURN LANE FROM IL 19 TO BARRINGTON ROAD BEING OPEN TO TRAFFIC IN THIS STAGE.




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES

(1) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)

(2) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)

(3) PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)

(4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)

(5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)

(6) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)

(7) PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)

(8) PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)

(9) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)

(10) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)

(11) PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)

(12) PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

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| USER NAME = tarlqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 1B MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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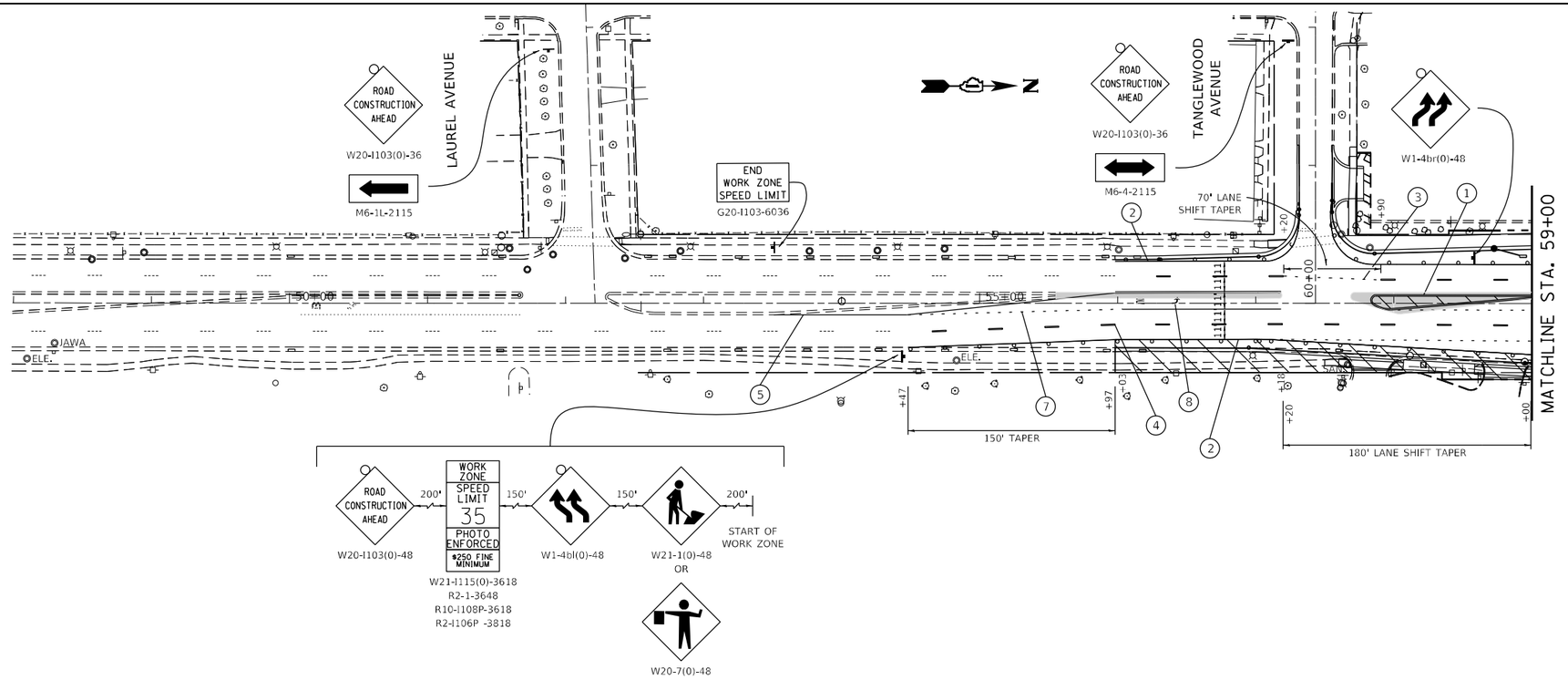
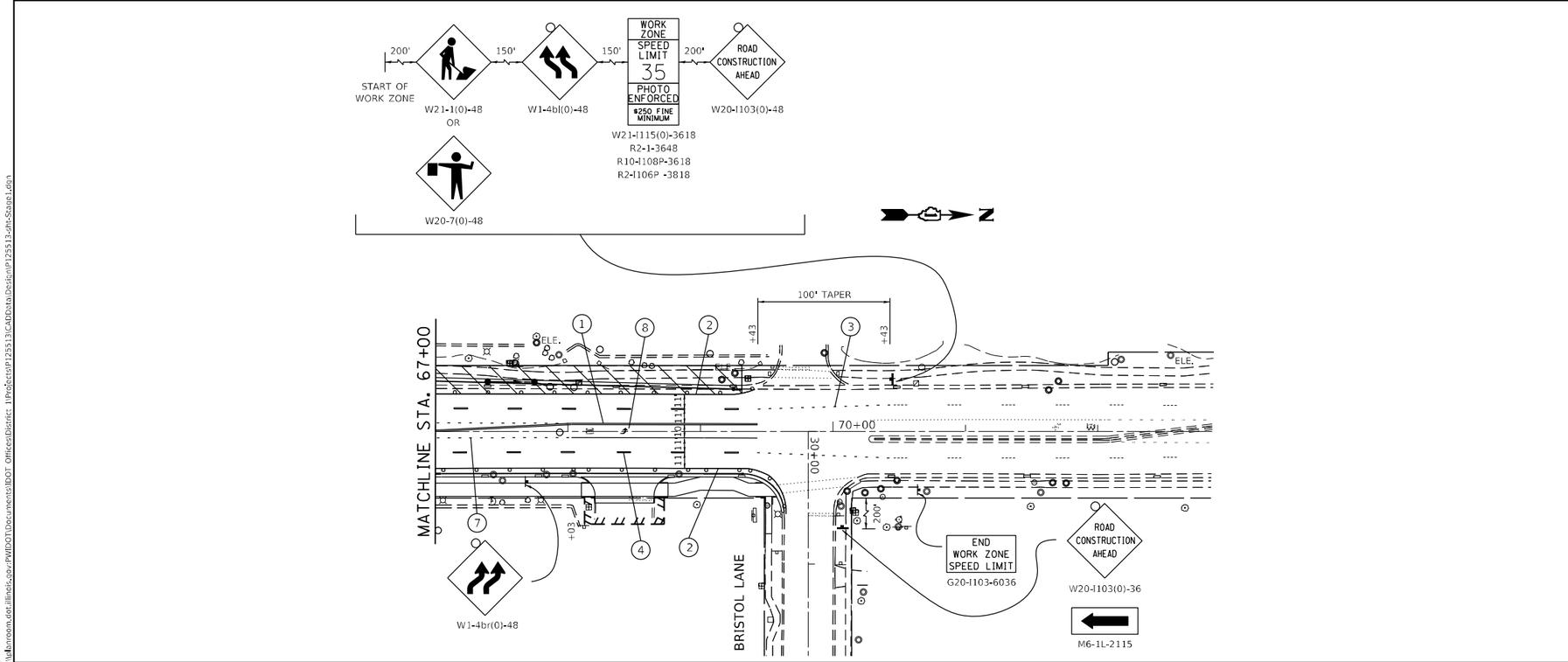
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- (1) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
- (2) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)
- (3) PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
- (5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)
- (6) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
- (7) PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (8) PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- (9) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)
- (10) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)
- (11) PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)
- (12) PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
3. TRAVEL LANES SHALL REMAIN AS STAGE 1A WITH THE EXCEPTION OF AN EASTBOUND RIGHT-TURN LANE FROM IL 19 TO BARRINGTON ROAD BEING OPEN TO TRAFFIC IN THIS STAGE.

MODEL: Default
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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

SUGGESTED STAGE 1B MAINTENANCE OF TRAFFIC
IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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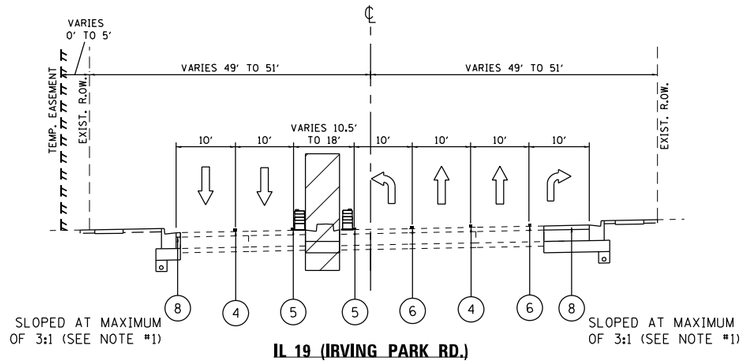
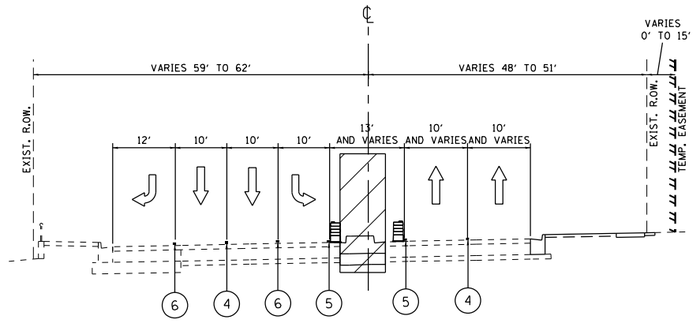
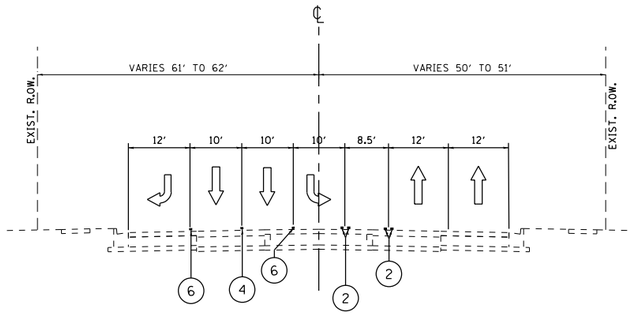
| | | ILLINOIS FED. AID PROJECT | | |



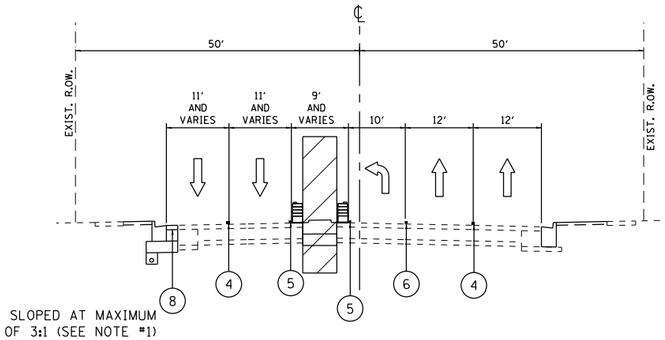

**IL 19 (IRVING PARK RD.)**
**STAGE 2 TYPICAL SECTION**
STA. 95+04 TO STA. 100+00



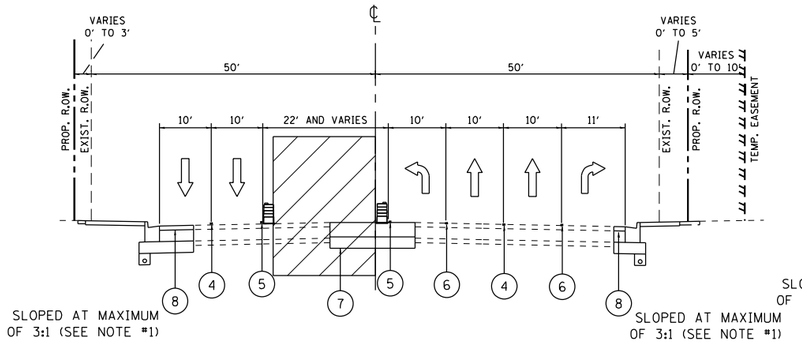

**IL 19 (IRVING PARK RD.)**
**STAGE 2 TYPICAL SECTION**
STA. 100+00 TO STA. 105+26



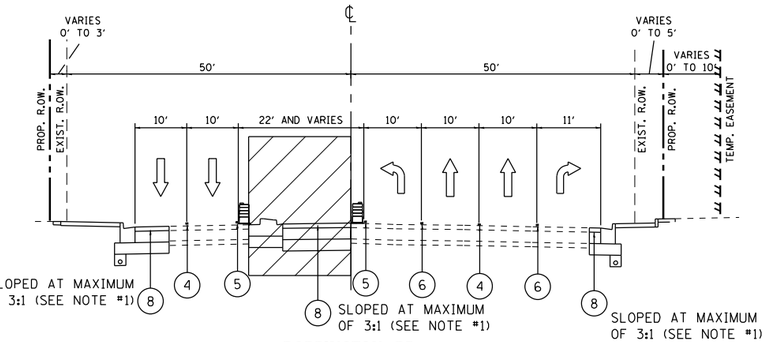

**IL 19 (IRVING PARK RD.)**
**STAGE 2 TYPICAL SECTION**
STA. 105+26 TO STA. 109+20



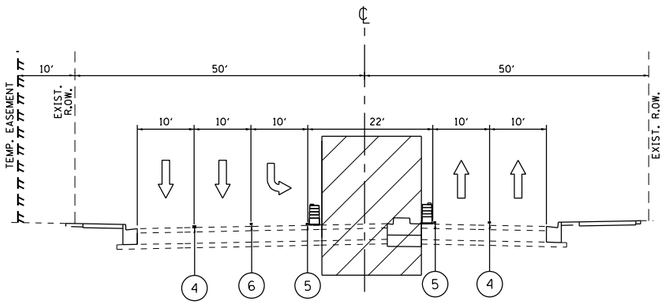

**BARRINGTON RD.**
**STAGE 2 TYPICAL SECTION**
STA. 55+98 TO STA. 57+43



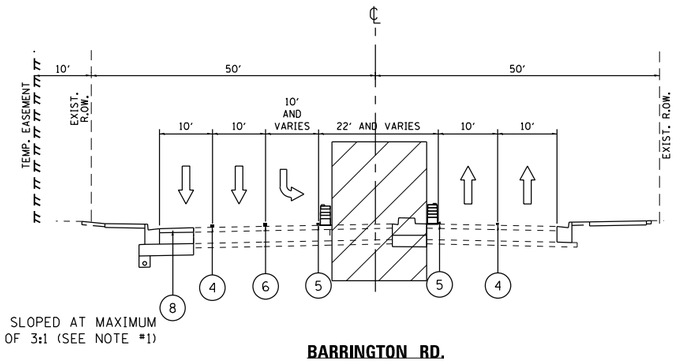

**BARRINGTON RD.**
**STAGE 2 TYPICAL SECTION**
STA. 57+43 TO STA. 59+27



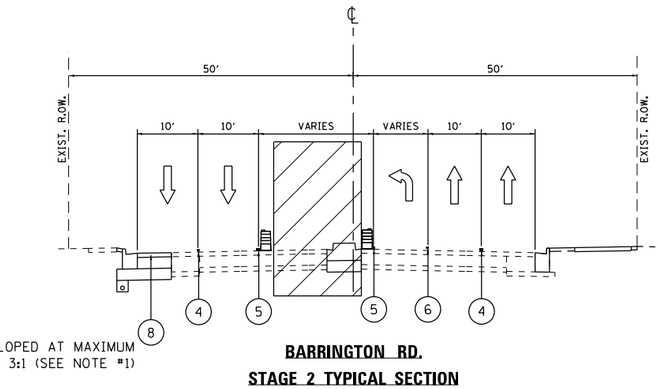

**BARRINGTON RD.**
**STAGE 2 TYPICAL SECTION**
STA. 59+27 TO STA. 61+58




**BARRINGTON RD.**
**STAGE 2 TYPICAL SECTION**
STA. 61+58 TO STA. 64+26




**BARRINGTON RD.**
**STAGE 2 TYPICAL SECTION**
STA. 64+26 TO STA. 66+37




**BARRINGTON RD.**
**STAGE 2 TYPICAL SECTION**
STA. 66+37 TO STA. 69+64

## LEGEND

- DIRECTION OF TRAFFIC
- WORK AREA
- (1) TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE (TYP.)
- (2) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C
- (3) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE
- (4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- (5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE
- (6) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE
- (7) TEMPORARY PAVEMENT HMA BINDER COURSE, IL-19.0, N70: 10" AGGREGATE SUBGRADE IMPROVEMENT 12" OR TEMPORARY PAVEMENT HMA BINDER COURSE, IL-19.0, N70: 10" SUBBASE GRANULAR MATERIAL, TYPE B 4" (SEE PRE-STAGE PLAN FOR LOCATION OF EACH CASE)
- (8) TEMPORARY WEDGE

## NOTES

1. TEMPORARY WEDGE SHALL BE PAID FOR AS TEMPORARY PAVEMENT (VARIABLE DEPTH). ITS REMOVAL SHALL BE PAID FOR AS PAVEMENT REMOVAL.
2. PAVEMENT DROP-OFF SHALL NOT EXCEED 18" BEHIND CHANNELIZATION DRUMS OR BARRICADES AND SHALL NOT EXCEED 95 CALENDAR DAYS. TEMPORARY GRADING TO REDUCE DROP-OFF HEIGHT DURING CONSTRUCTION SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

MODEL: Default
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| USER NAME = tariqfm | DESIGNED - | REVISED - FT, 7-19-2021 | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 7/19/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

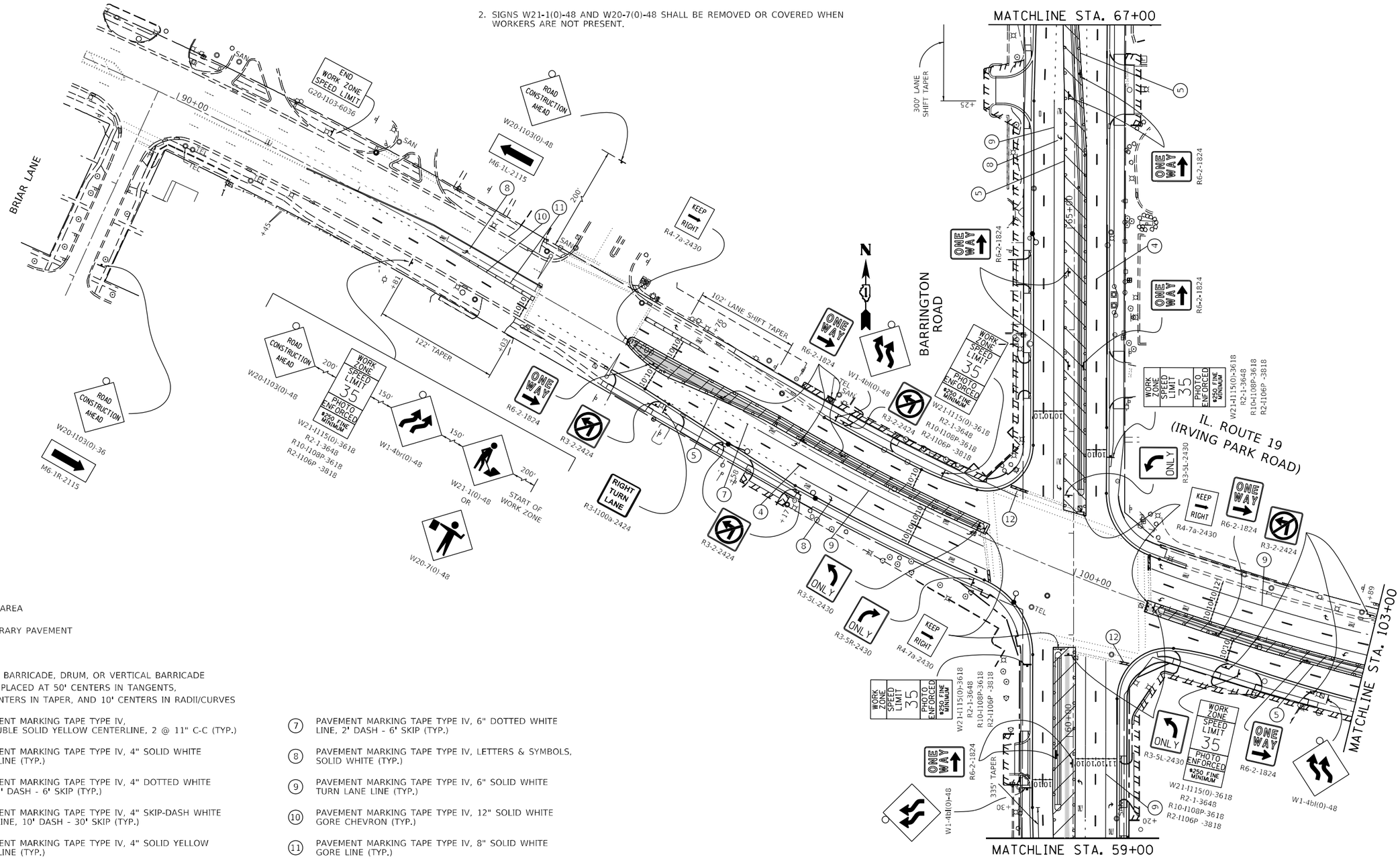
**SUGGESTED STAGE 2 TYPICAL SECTIONS**
**IL ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 50 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES

1. PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)
3. PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
4. PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

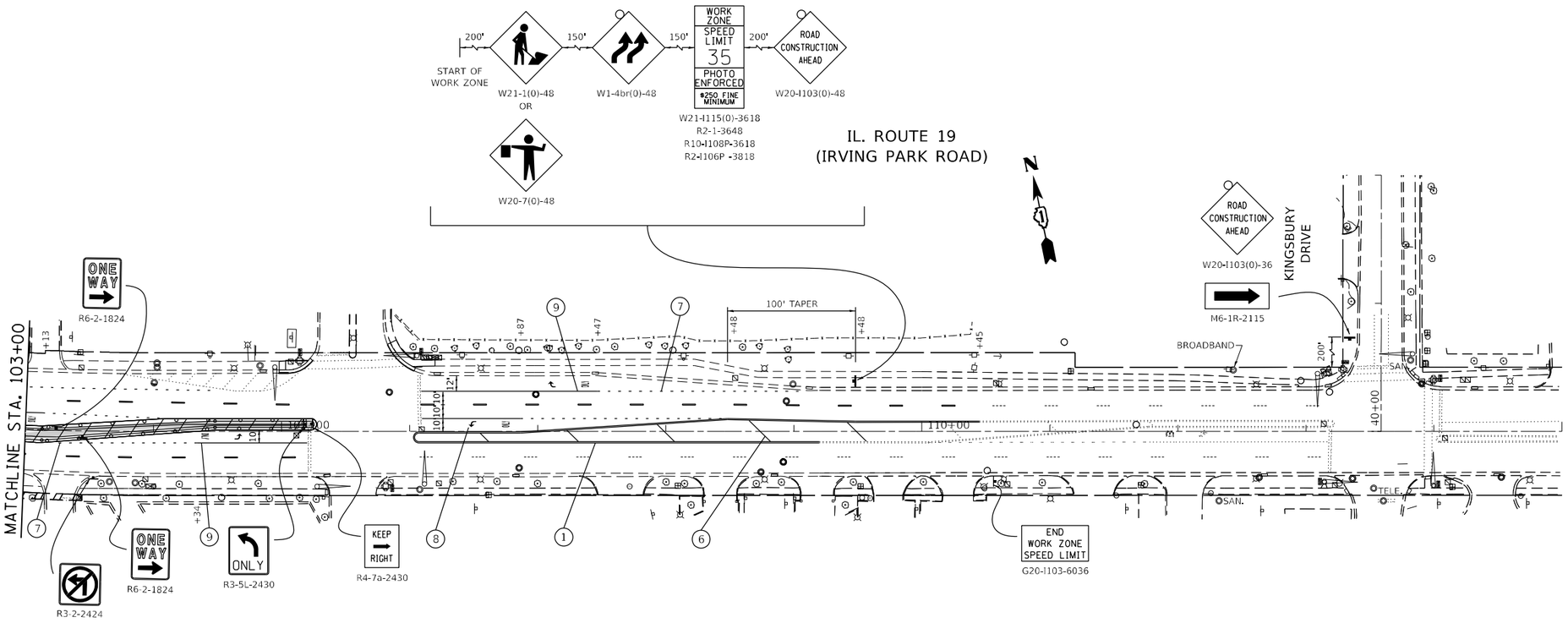
**SUGGESTED STAGE 2 MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 51 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES

(1) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)

(2) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)

(3) PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)

(4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)

(5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)

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(8) PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)

(9) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)

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(11) PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)

(12) PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

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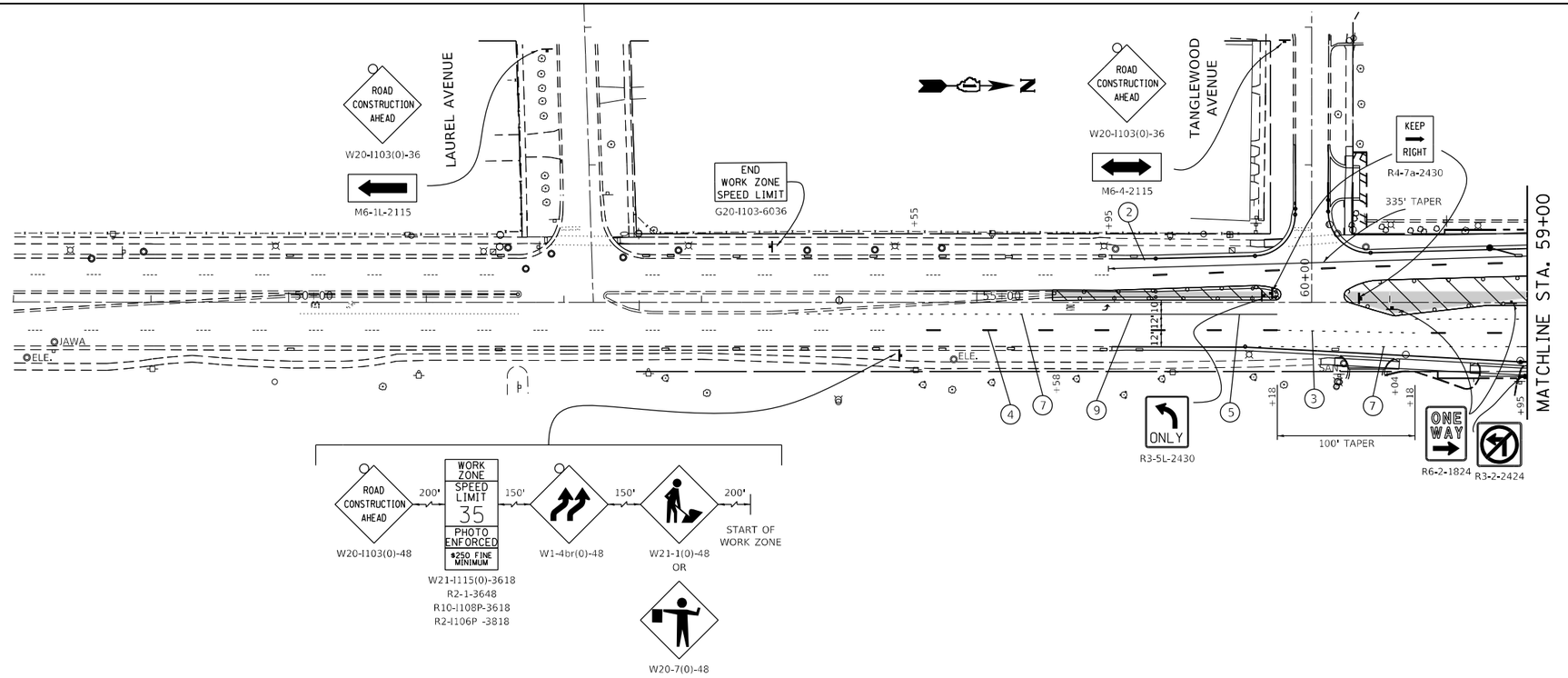
| USER NAME = tarlqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

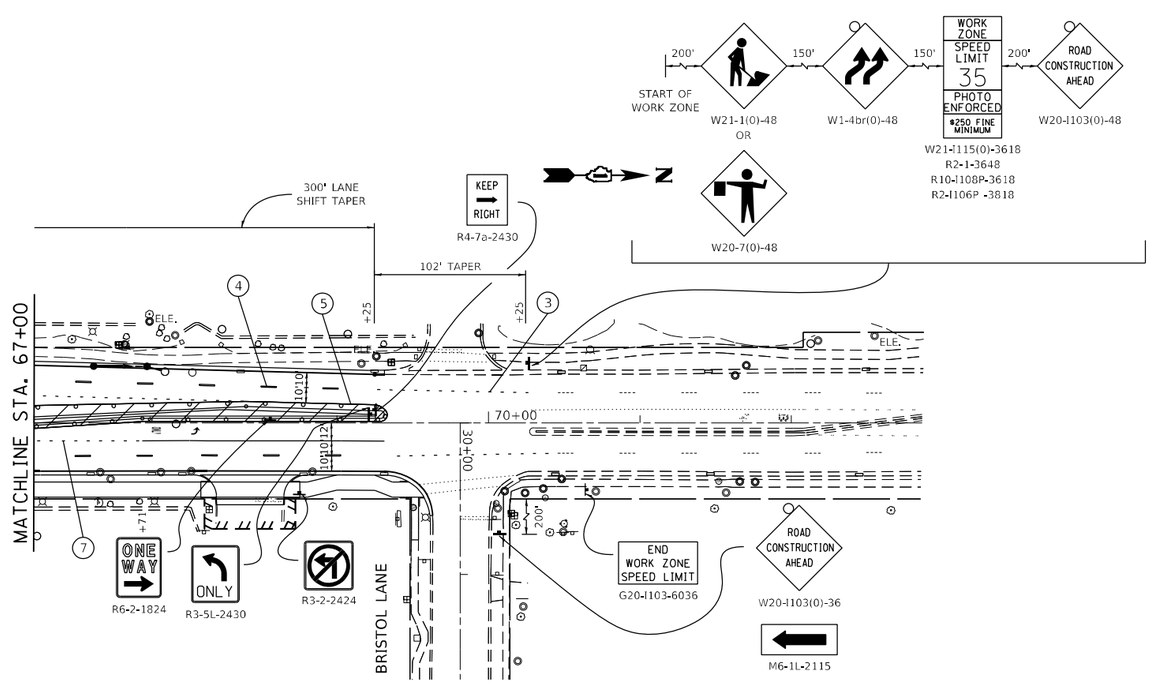
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 2 MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 52 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE TO BE PLACED AT 50' CENTERS IN TANGENTS, 20' CENTERS IN TAPER, AND 10' CENTERS IN RADII/CURVES
- (1) PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
- (2) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID WHITE EDGE LINE (TYP.)
- (3) PAVEMENT MARKING TAPE TYPE IV, 4" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (4) PAVEMENT MARKING TAPE TYPE IV, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
- (5) PAVEMENT MARKING TAPE TYPE IV, 4" SOLID YELLOW EDGE LINE (TYP.)
- (6) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
- (7) PAVEMENT MARKING TAPE TYPE IV, 6" DOTTED WHITE LINE, 2' DASH - 6' SKIP (TYP.)
- (8) PAVEMENT MARKING TAPE TYPE IV, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- (9) PAVEMENT MARKING TAPE TYPE IV, 6" SOLID WHITE TURN LANE LINE (TYP.)
- (10) PAVEMENT MARKING TAPE TYPE IV, 12" SOLID WHITE GORE CHEVRON (TYP.)
- (11) PAVEMENT MARKING TAPE TYPE IV, 8" SOLID WHITE GORE LINE (TYP.)
- (12) PAVEMENT MARKING TAPE TYPE IV, 24" SOLID WHITE STOP BAR (TYP.)

## NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
2. SIGNS W21-1(0)-48 AND W20-7(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

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| USER NAME = tarlqfm | DESIGNED - | REVISED - |
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| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGE 2 MAINTENANCE OF TRAFFIC**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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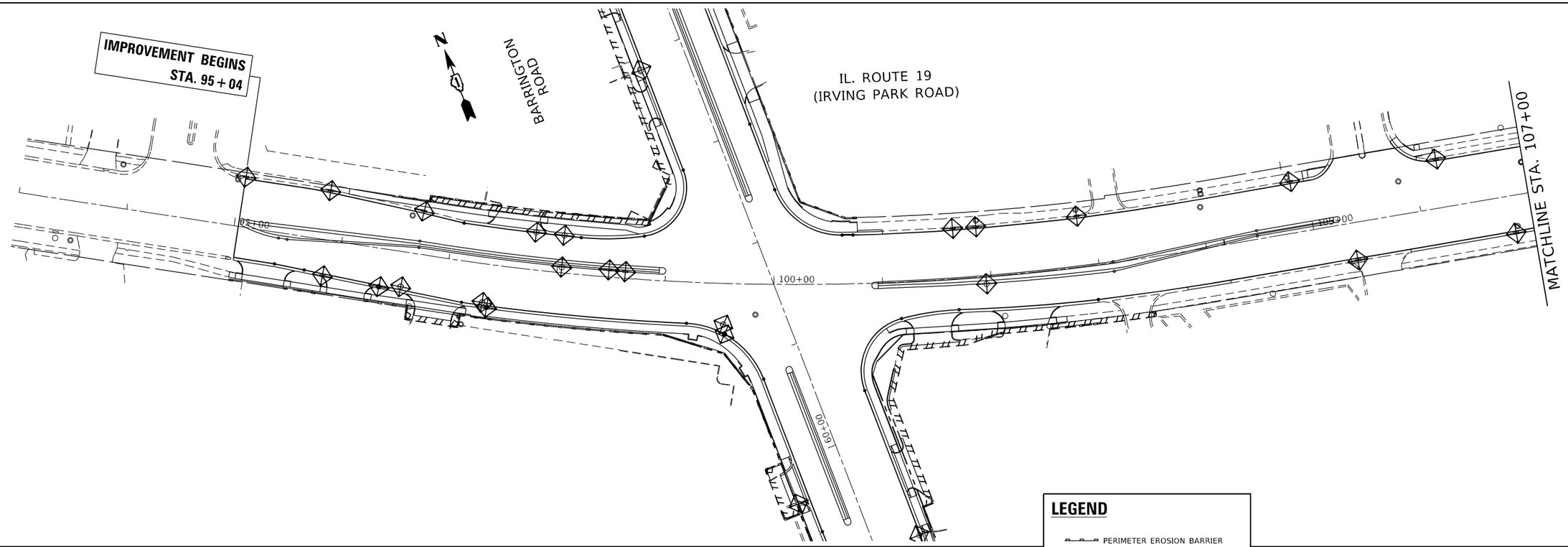
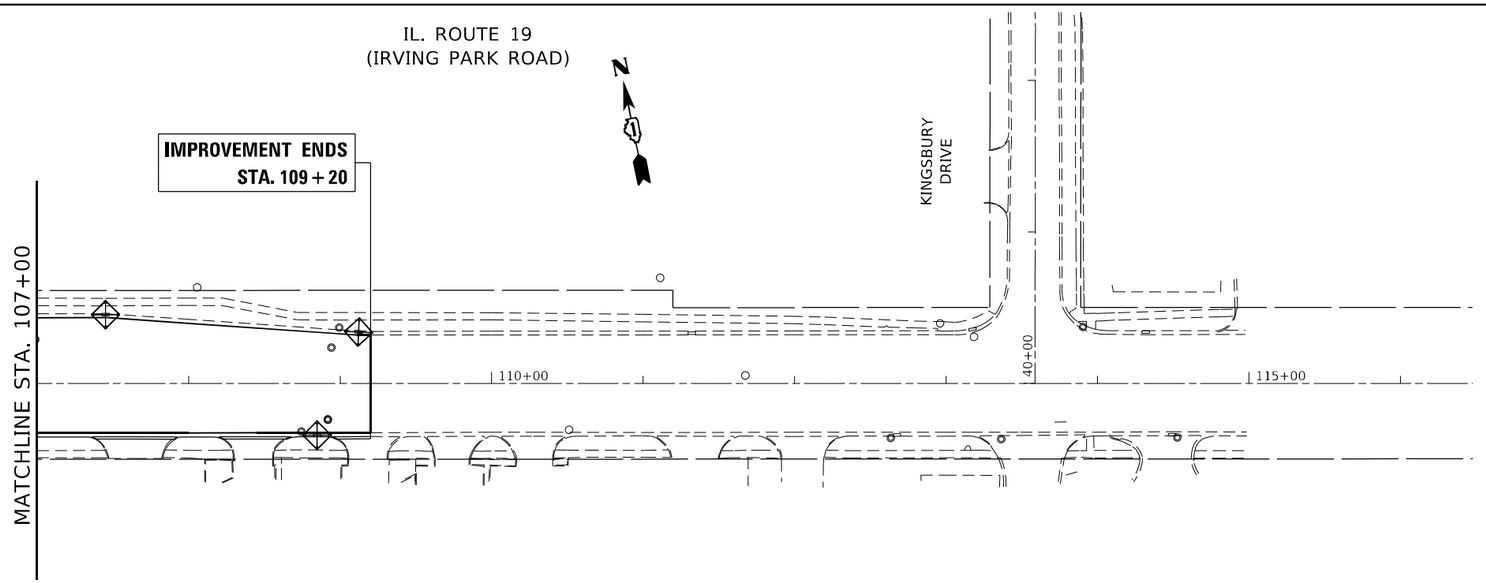
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.

2. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.

3. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.

4. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL OF THE EROSION AND SEDIMENT CONTROL WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EROSION AND SEDIMENT CONTROL FUNCTIONING AS DESIGNED.

5. PERIMETER EROSION BARRIER SHALL BE PLACED 1' FROM THE EXISTING R.O.W. LINE, PROPOSED R.O.W. LINE, OR TEMPORARY EASEMENT UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET PROTECTION AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.

7. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

8. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE. TEMPORARY EROSION CONTROL SEEDING SHALL BE USED FOR TEMPORARY STABILIZATION.

9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

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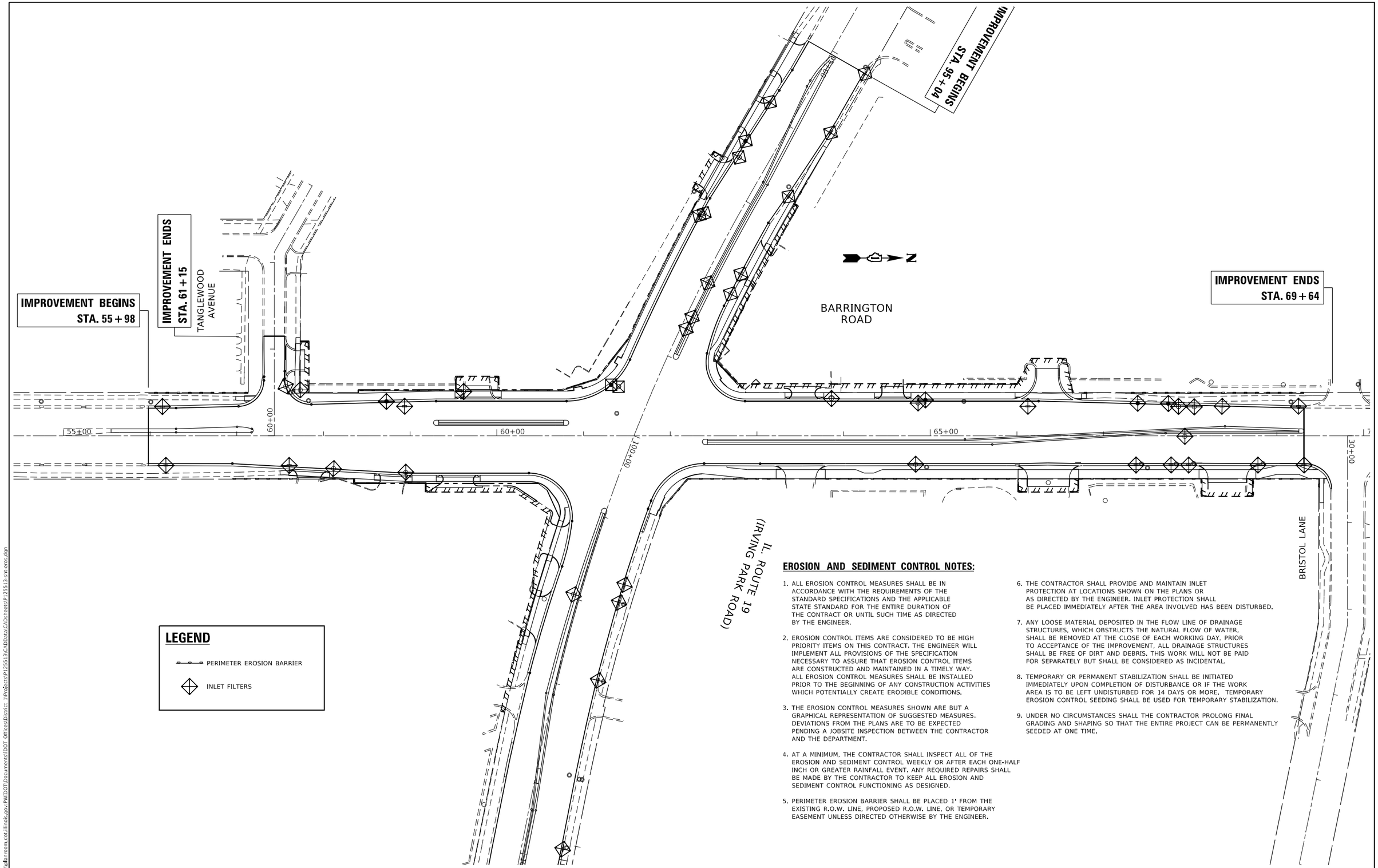
| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**EROSION & SEDIMENT CONTROL PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 54 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.

2. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.

3. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.

4. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL OF THE EROSION AND SEDIMENT CONTROL WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EROSION AND SEDIMENT CONTROL FUNCTIONING AS DESIGNED.

5. PERIMETER EROSION BARRIER SHALL BE PLACED 1' FROM THE EXISTING R.O.W. LINE, PROPOSED R.O.W. LINE, OR TEMPORARY EASEMENT UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET PROTECTION AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.

7. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

8. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE. TEMPORARY EROSION CONTROL SEEDING SHALL BE USED FOR TEMPORARY STABILIZATION.

9. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

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| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
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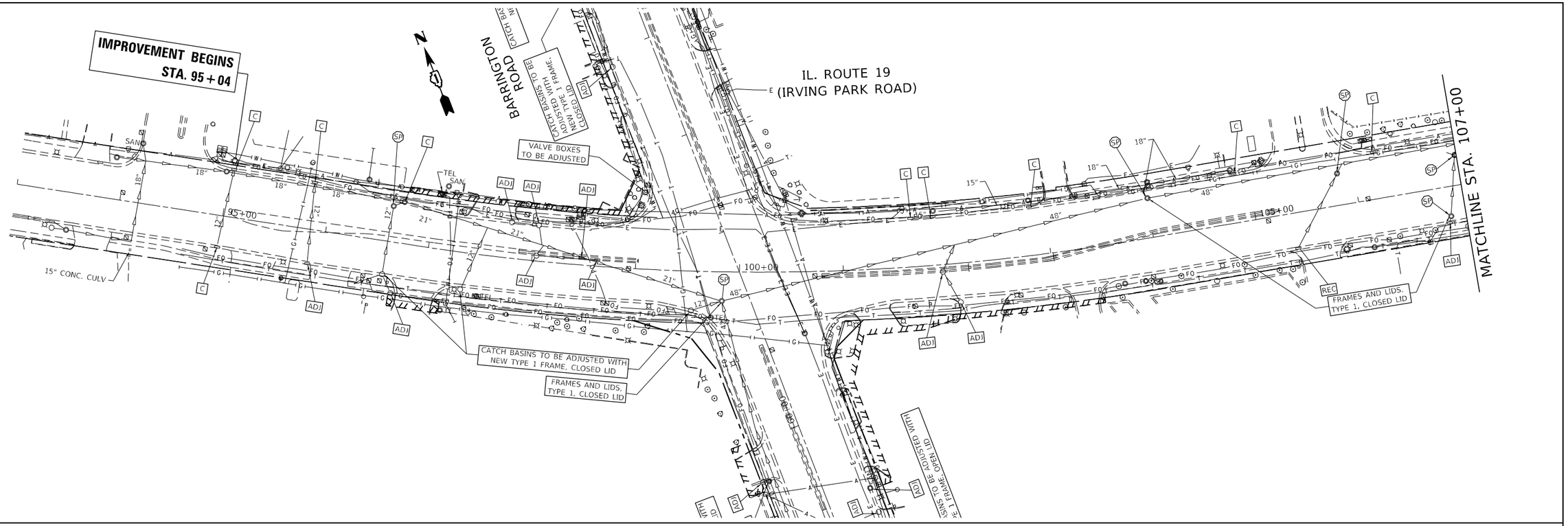
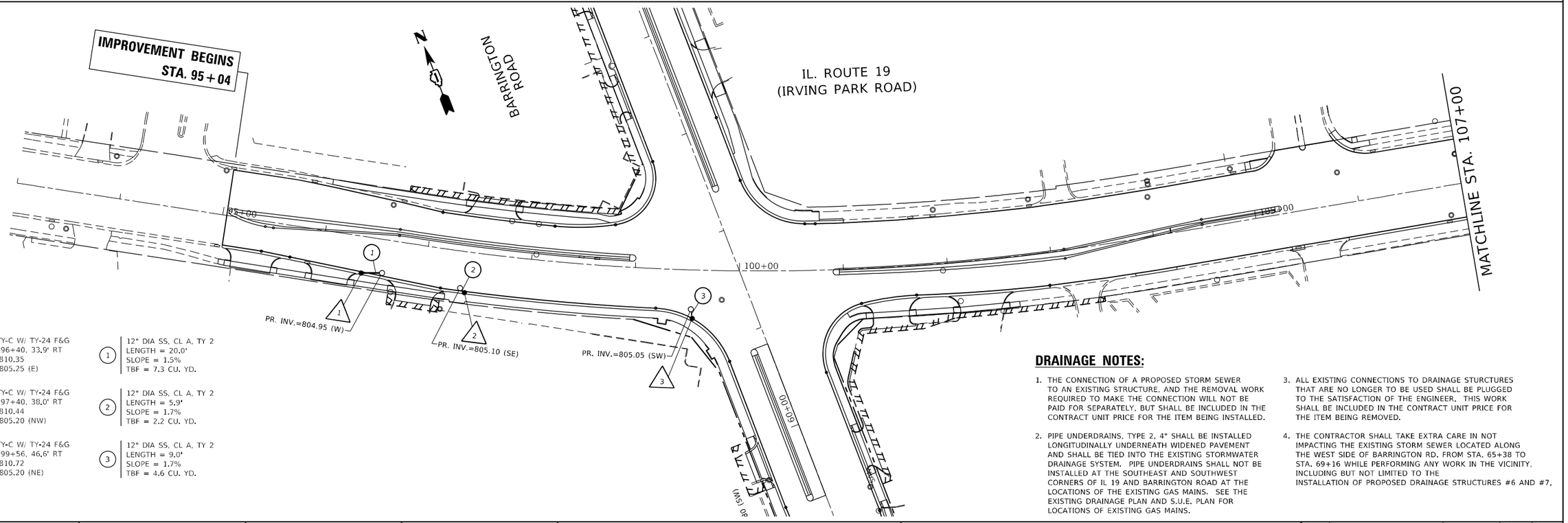
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**EROSION & SEDIMENT CONTROL PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 55 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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|---|---|---|---|
| 1 | CB, TY-C W/ TY-24 F&G<br>STA. 96+40, 33.9' RT<br>T.G. 810.35<br>INV. 805.25 (E) | 1 | 12" DIA SS, CL A, TY 2<br>LENGTH = 20.0'<br>SLOPE = 1.5%<br>TBF = 7.3 CU. YD. |
| 2 | CB, TY-C W/ TY-24 F&G<br>STA. 97+40, 38.0' RT<br>T.G. 810.44<br>INV. 805.20 (NW) | 2 | 12" DIA SS, CL A, TY 2<br>LENGTH = 5.9'<br>SLOPE = 1.7%<br>TBF = 2.2 CU. YD. |
| 3 | CB, TY-C W/ TY-24 F&G<br>STA. 99+56, 46.6' RT<br>T.G. 810.72<br>INV. 805.20 (NE) | 3 | 12" DIA SS, CL A, TY 2<br>LENGTH = 9.0'<br>SLOPE = 1.7%<br>TBF = 4.6 CU. YD. |

## DRAINAGE NOTES:

1. THE CONNECTION OF A PROPOSED STORM SEWER TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
2. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE INSTALLED LONGITUDINALLY UNDERNEATH WIDENED PAVEMENT AND SHALL BE TIED INTO THE EXISTING STORMWATER DRAINAGE SYSTEM. PIPE UNDERDRAINS SHALL NOT BE INSTALLED AT THE SOUTHEAST AND SOUTHWEST CORNERS OF IL 19 AND BARRINGTON ROAD AT THE LOCATIONS OF THE EXISTING GAS MAINS. SEE THE EXISTING DRAINAGE PLAN AND S.U.E. PLAN FOR LOCATIONS OF EXISTING GAS MAINS.
3. ALL EXISTING CONNECTIONS TO DRAINAGE STURCTURES THAT ARE NO LONGER TO BE USED SHALL BE PLUGGED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING REMOVED.
4. THE CONTRACTOR SHALL TAKE EXTRA CARE IN NOT IMPACTING THE EXISTING STORM SEWER LOCATED ALONG THE WEST SIDE OF BARRINGTON RD. FROM STA. 65+38 TO STA. 69+16 WHILE PERFORMING ANY WORK IN THE VICINITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF PROPOSED DRAINAGE STRUCTURES #6 AND #7.

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| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
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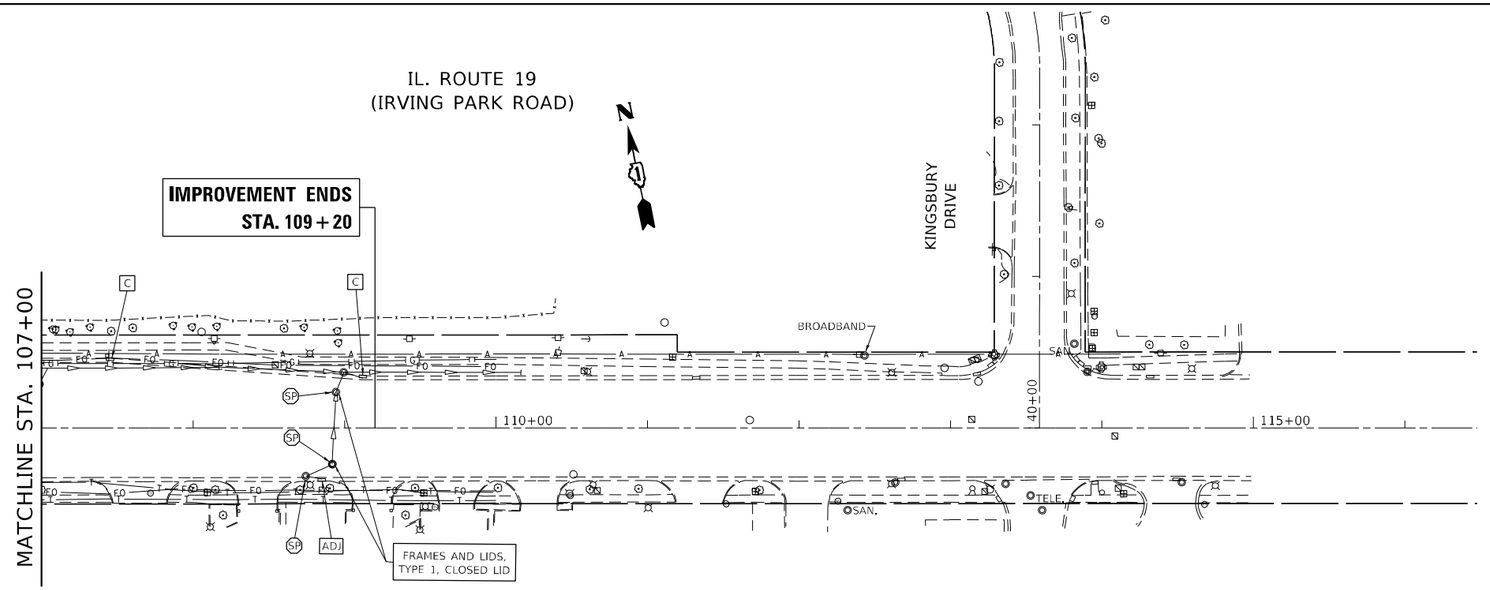
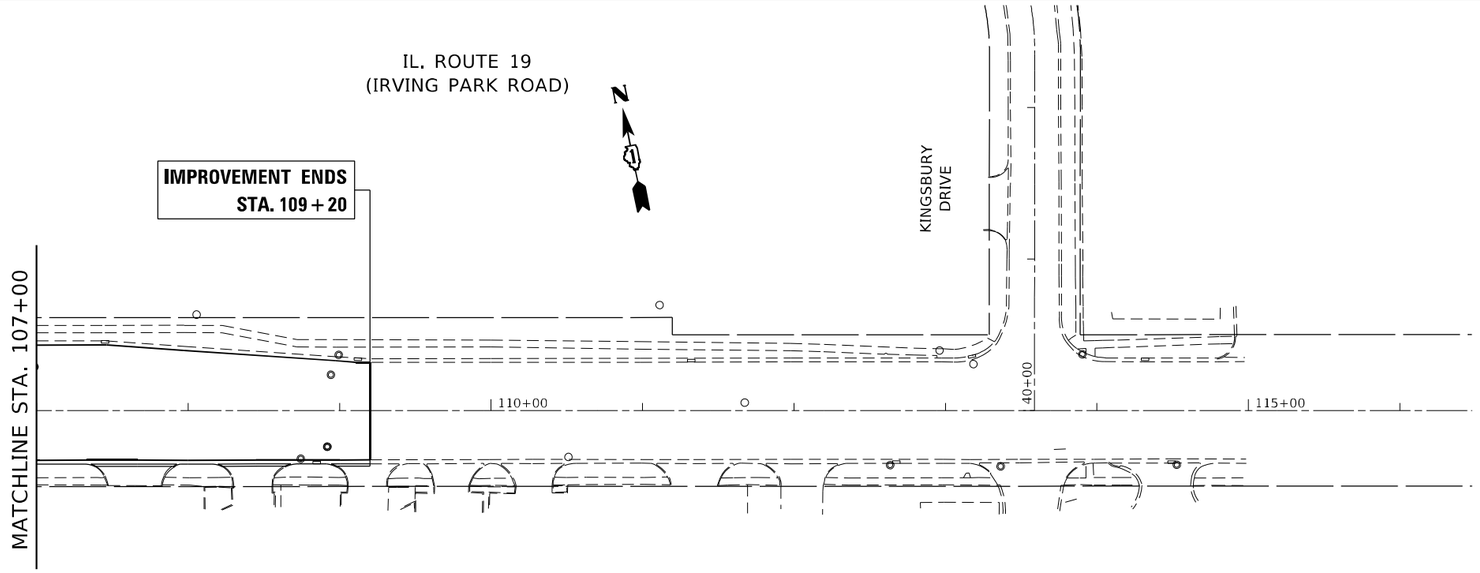
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

EXISTING AND PROPOSED DRAINAGE PLAN
IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 56 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## DRAINAGE NOTES:

1. THE CONNECTION OF A PROPOSED STORM SEWER TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
2. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE INSTALLED LONGITUDINALLY UNDERNEATH WIDENED PAVEMENT AND SHALL BE TIED INTO THE EXISTING STORMWATER DRAINAGE SYSTEM. PIPE UNDERDRAINS SHALL NOT BE INSTALLED AT THE SOUTHEAST AND SOUTHWEST CORNERS OF IL 19 AND BARRINGTON ROAD AT THE LOCATIONS OF THE EXISTING GAS MAINS. SEE THE EXISTING DRAINAGE PLAN AND S.U.E. PLAN FOR LOCATIONS OF EXISTING GAS MAINS.
3. ALL EXISTING CONNECTIONS TO DRAINAGE STURCTURES THAT ARE NO LONGER TO BE USED SHALL BE PLUGGED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING REMOVED.
4. THE CONTRACTOR SHALL TAKE EXTRA CARE IN NOT IMPACTING THE EXISTING STORM SEWER LOCATED ALONG THE WEST SIDE OF BARRINGTON RD. FROM STA. 65+38 TO STA. 69+16 WHILE PERFORMING ANY WORK IN THE VICINITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF PROPOSED DRAINAGE STRUCTURES #6 AND #7.

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| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 57 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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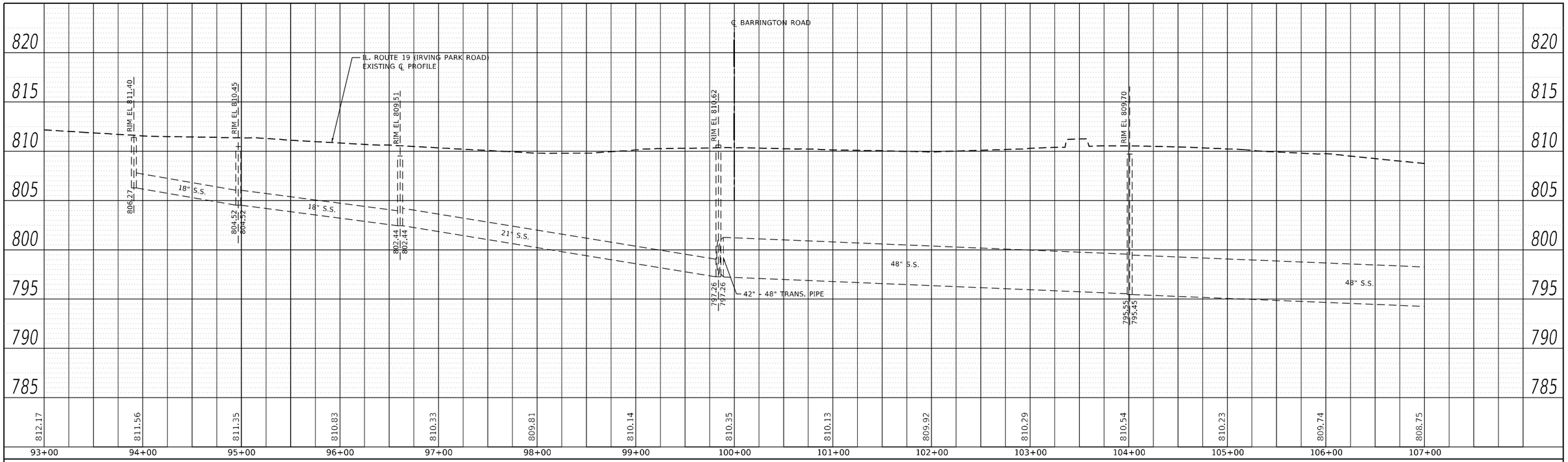


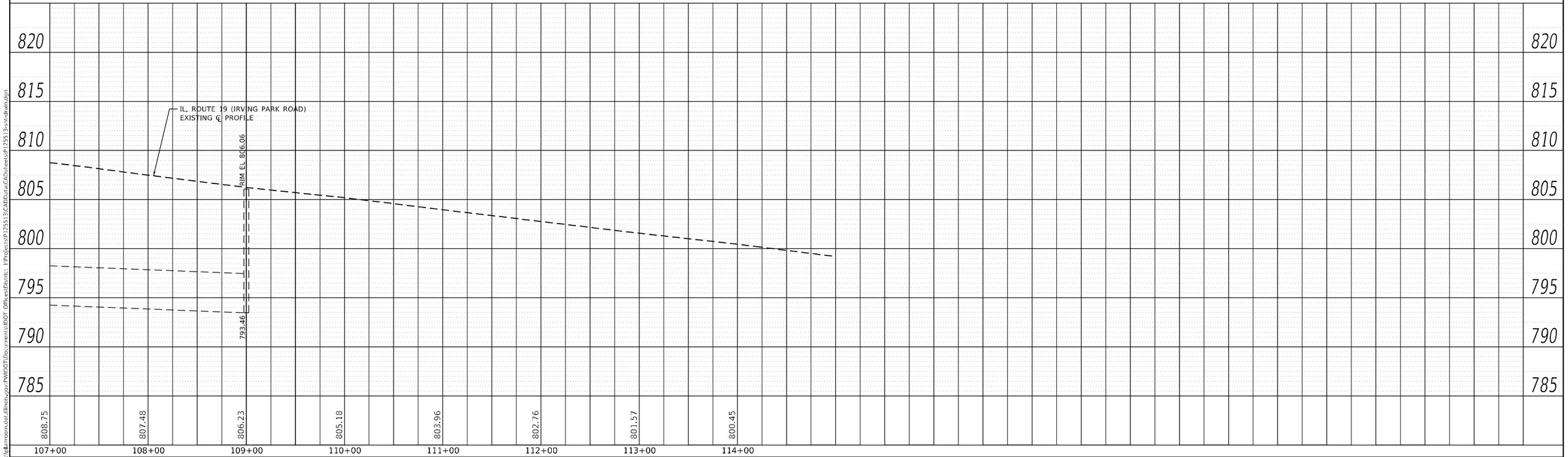


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| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PROFILE**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

SCALE: 1"= 5'V 50'H | SHEET OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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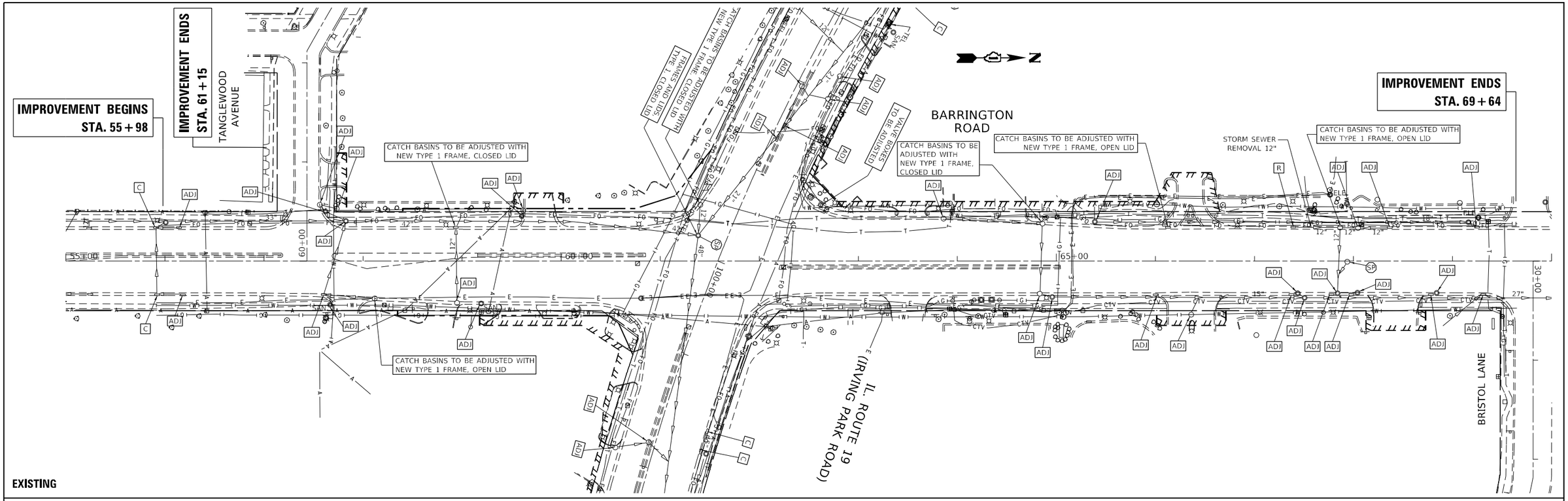
| | | ILLINOIS FED. AID PROJECT | | |




4 CB, TY-C W/ TY-24 F&G — FLAT TOP
STA. 58+73, 38.5' LT
T.G. 810.27
INV. 805.33 (NE)
* SUMP DEPTH SHALL NOT EXCEED 6"

7 CB, TY-A, 4' DIA W/ TY-24 F&G
STA. 67+75, 36.0' LT
T.G. 797.12
INV. 793.97 (S)
INV. 793.97 (NE)

4 12" DIA SS, CL A, TY 2
LENGTH = 21.6'
SLOPE = 2.5%
TBF = 8.1 CU. YD.

7 12" DIA SS, CL A, TY 1
LENGTH = 12.5'
SLOPE = 0.6%
TBF = 1.9 CU. YD.

5 CB, TY-C W/ TY-24 F&G
STA. 64+94, 40.0' LT
T.G. 799.60
INV. 796.30 (SE)

5 12" DIA SS, CL A, TY 1
LENGTH = 9.2'
SLOPE = 1.1%
TBF = 1.6 CU. YD.

6 CB, TY-C W/ TY-1 FR & OPEN LID
STA. 67+39, 37.0' LT
T.G. 797.21
INV. 794.22 (N)

6 12" DIA SS, CL A, TY 1
LENGTH = 35.2'
SLOPE = 0.7%
TBF = 4.7 CU. YD.

## DRAINAGE NOTES:

1. THE CONNECTION OF A PROPOSED STORM SEWER TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
2. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE INSTALLED LONGITUDINALLY UNDERNEATH WIDENED PAVEMENT AND SHALL BE TIED INTO THE EXISTING STORMWATER DRAINAGE SYSTEM. PIPE UNDERDRAINS SHALL NOT BE INSTALLED AT THE SOUTHEAST AND SOUTHWEST CORNERS OF IL 19 AND BARRINGTON ROAD AT THE LOCATIONS OF THE EXISTING GAS MAINS. SEE THE EXISTING DRAINAGE PLAN AND S.U.E. PLAN FOR LOCATIONS OF EXISTING GAS MAINS.
3. ALL EXISTING CONNECTIONS TO DRAINAGE STURCTURES THAT ARE NO LONGER TO BE USED SHALL BE PLUGGED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING REMOVED.
4. THE CONTRACTOR SHALL TAKE EXTRA CARE IN NOT IMPACTING THE EXISTING STORM SEWER LOCATED ALONG THE WEST SIDE OF BARRINGTON RD. FROM STA. 65+38 TO STA. 69+16 WHILE PERFORMING ANY WORK IN THE VICINITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF PROPOSED DRAINAGE STRUCTURES #6 AND #7.

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| USER NAME = tarlqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 59 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

PLAN
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CHECKED
R.M. NOTED
NOTE BOOK
NO.
STRUCTURE NO/ATNS CURVD

MODEL: Default
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830
825
820
815
810
805
800
795
790
785

BARRINGTON ROAD EXISTING ℄ PROFILE

℄ IL. ROUTE 19
(IRVING PARK ROAD)

BARRINGTON ROAD EXISTING ℄ PROFILE

RIM EL 810.73
800.85 (LT)
800.83 (RT)
800.45 (BOT)
33" S.S.

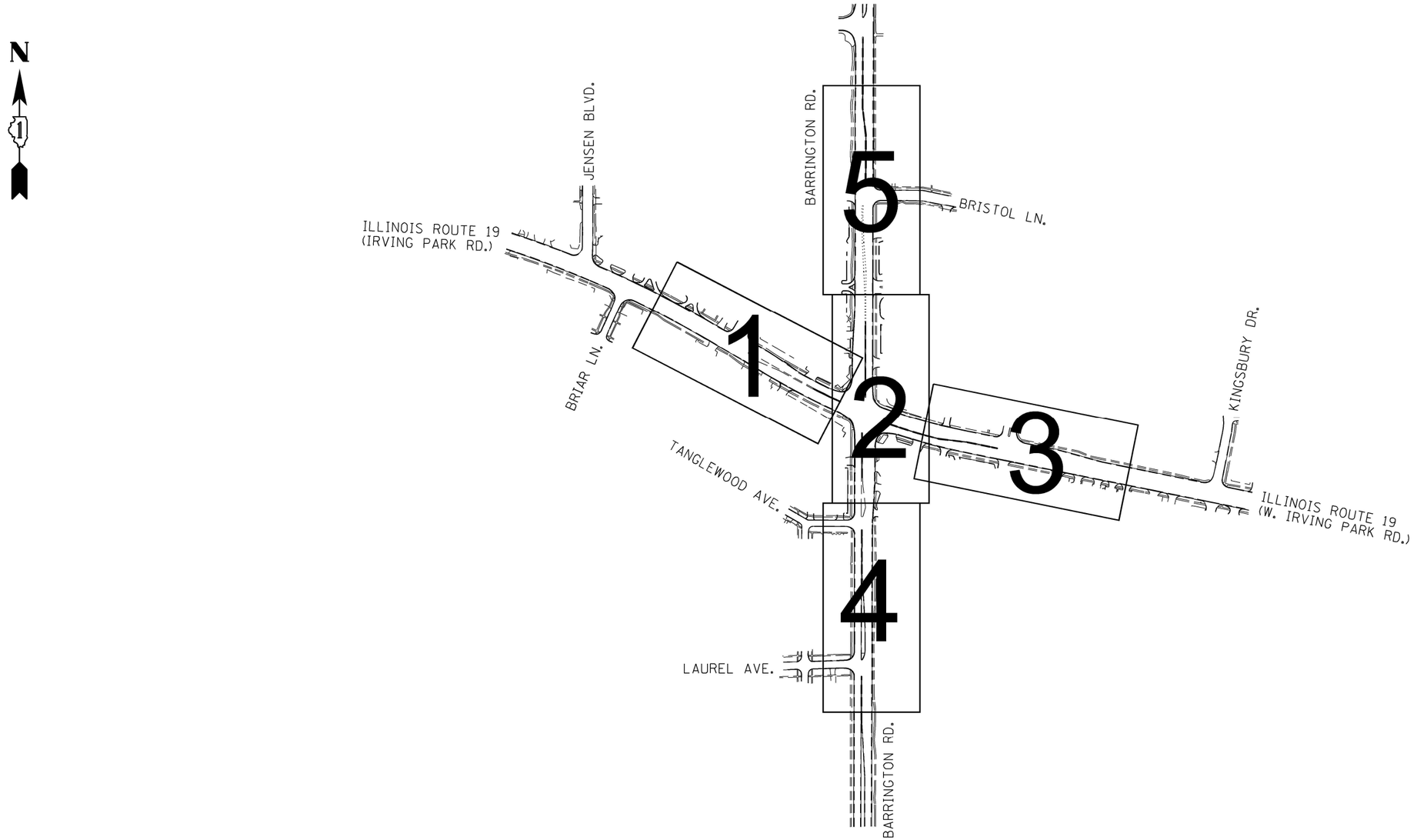
RIM EL 809.92
799.92 (LT)
799.62 (RT)
799.52 (BOT)
33" S.S.

RIM EL 810.62
797.26
42" S.S.

RIM EL 800.35
RIM EL 800.70
796.31 (RT)
795.92 (BOT)
795.84
15" S.S.
15" S.S.

RIM EL 797.83
794.19
27" S.S.

| | | |




## ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

*QUALITY LEVEL A (QLA)*
*PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.*

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*INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILTIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.*

*QUALITY LEVEL C (QLC)*
*INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.*

*QUALITY LEVEL D (QLD)*
*INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.*

## GENERAL NOTES:

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*FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.*

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*ALL ELECTRONIC DEPTHS PROVIDED ARE ESTIMATED APPROXIMATELY TO THE CENTER OF THE UTILITY UNLESS NOTED OTHERWISE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.*

## UTILITY LEGEND:

- A — A — *AERIAL*
- ——— *UNKNOWN UTILITY*
- O — C — *OIL (PETROLEUM)*
- CTV — CTV — *CABLE TV*
- T — T — *TELEPHONE*
- G — C — *GAS*
- E — E — *ELECTRIC*
- E — E — *TRAFFIC SIGNAL/LIGHTING*
- W — W — *WATER*
- >—>—>—>—>—>—>—>—>—>—>— *FORCE MAIN*
- FO — FO — *FIBER OPTIC*
- *TEST HOLE*
- EOI / ED — *END OF INFORMATION / ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

*Signature*

08/14/2020
*date*

*license expires 11/30/2021*

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| | | |
|---|---|---|
| USER NAME = Erick.Maleza | DESIGNED - | REVISED - |
| | DRAWN - CA | REVISED - |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - EG | REVISED - |
| PLOT DATE = 8/24/2020 | DATE - | REVISED - |

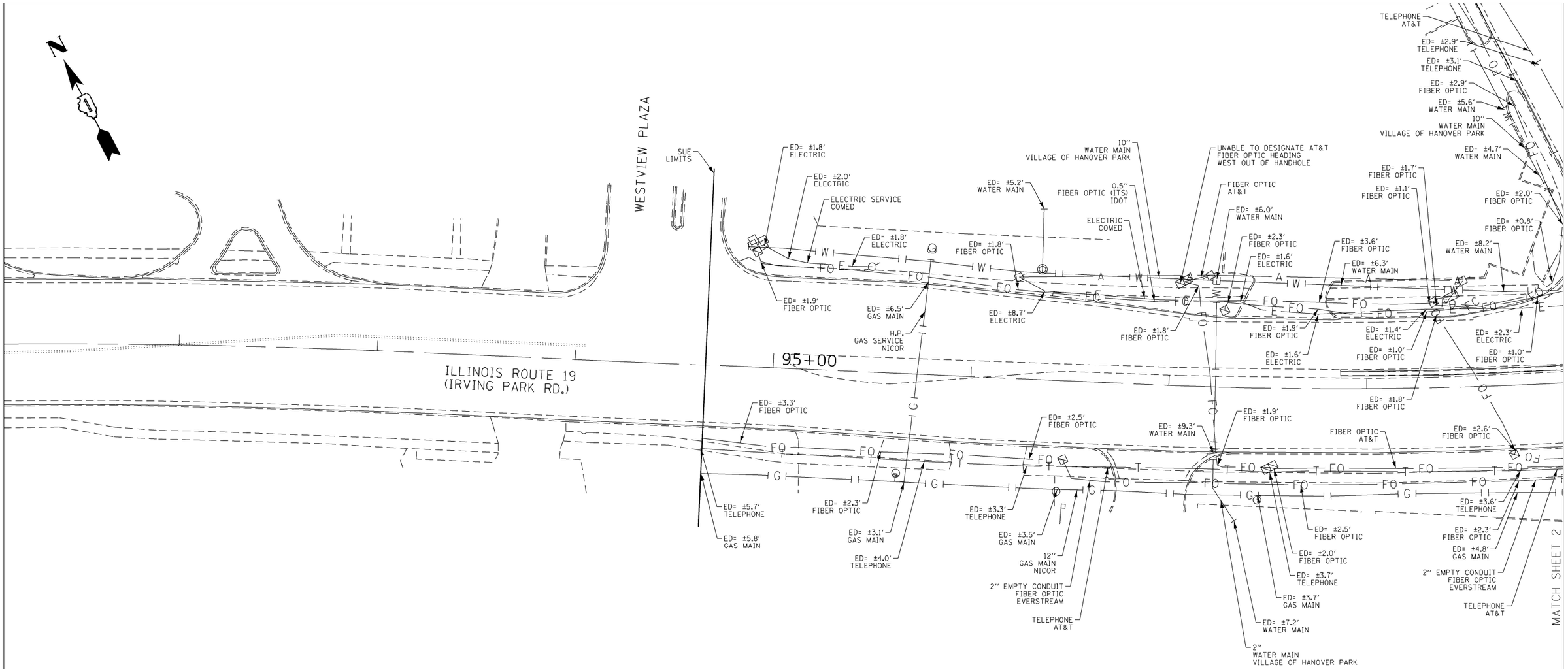
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**IRVING PARK AT BARRINGTON RD.**
**HANOVER PARK, ILLINOIS**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 61 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |

IDOT W.O. 237




## ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

*QUALITY LEVEL A (OLA)*
*PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.*

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*QUALITY LEVEL C (OLC)*
*INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.*

*QUALITY LEVEL D (OLD)*
*INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.*

## GENERAL NOTES:

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## UTILITY LEGEND:

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- O — O — OIL (PETROLEUM)
- CTV — CTV — CABLE TV
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- G — G — GAS
- E — E — ELECTRIC
- E — E — TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- FORCE MAIN
- FO — FO — FIBER OPTIC
- TEST HOLE
- EOI — END OF INFORMATION
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JOHN J. BELLIS
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John J Bellis
*signature*

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| USER NAME = Erick.Maleza | DESIGNED - | REVISED - |
| | DRAWN - CA | REVISED - |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - EG | REVISED - |
| PLOT DATE = 8/24/2020 | DATE - | REVISED - |

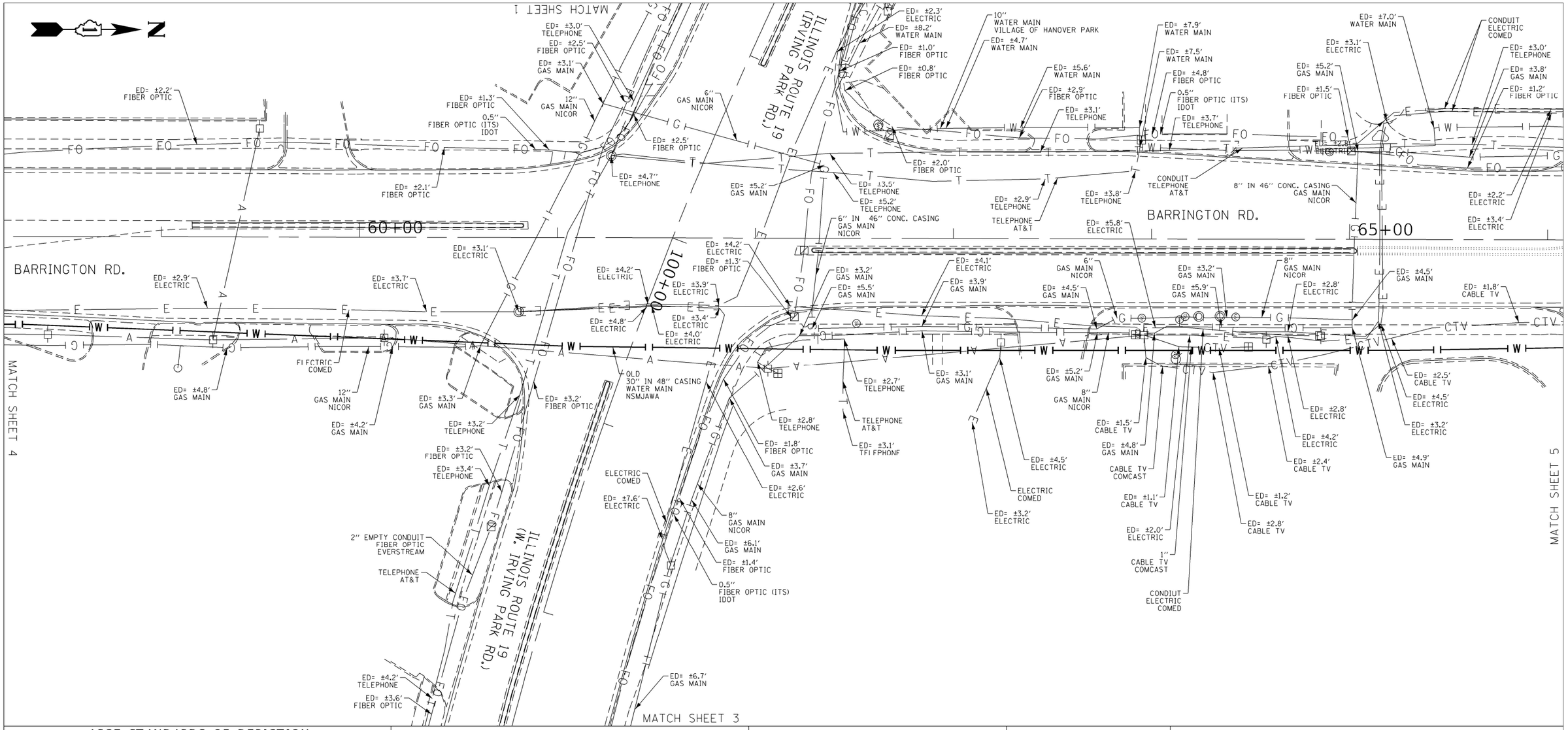
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**IRVING PARK AT BARRINGTON RD.**
**HANOVER PARK, ILLINOIS**

SCALE: | SHEET 1 OF 5 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 62 |
| | | CONTRACT NO. | 62K02 | |
| | | ILLINOIS | FED. AID PROJECT | |

IDOT W.O. 237




## ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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*PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.*

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*QUALITY LEVEL C (QLC)*
*INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.*

*QUALITY LEVEL D (QLD)*
*INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.*

## GENERAL NOTES:

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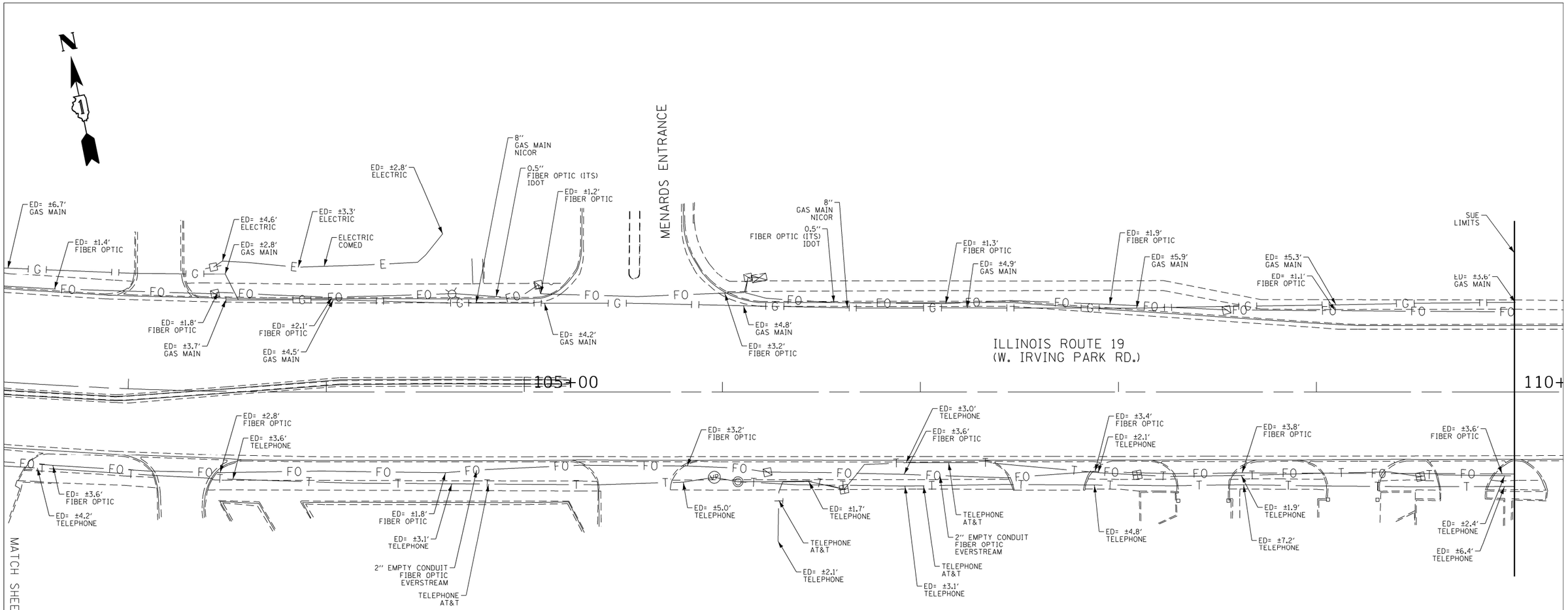
- E — E — *TRAFFIC SIGNAL/LIGHTING*
- W — W — *WATER*
- >>>>




## ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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*QUALITY LEVEL D (QLD)*
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## UTILITY LEGEND:

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- *FIBER OPTIC*
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- *ELECTRONIC DEPTH*

JOHN J. BELLIS
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REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

*Signature*

08/14/2020
*date*

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| | | |
|---|---|---|
| USER NAME = Erick.Maleza | DESIGNED - | REVISED - |
| | DRAWN - CA | REVISED - |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - EG | REVISED - |
| PLOT DATE = 8/24/2020 | DATE - | REVISED - |

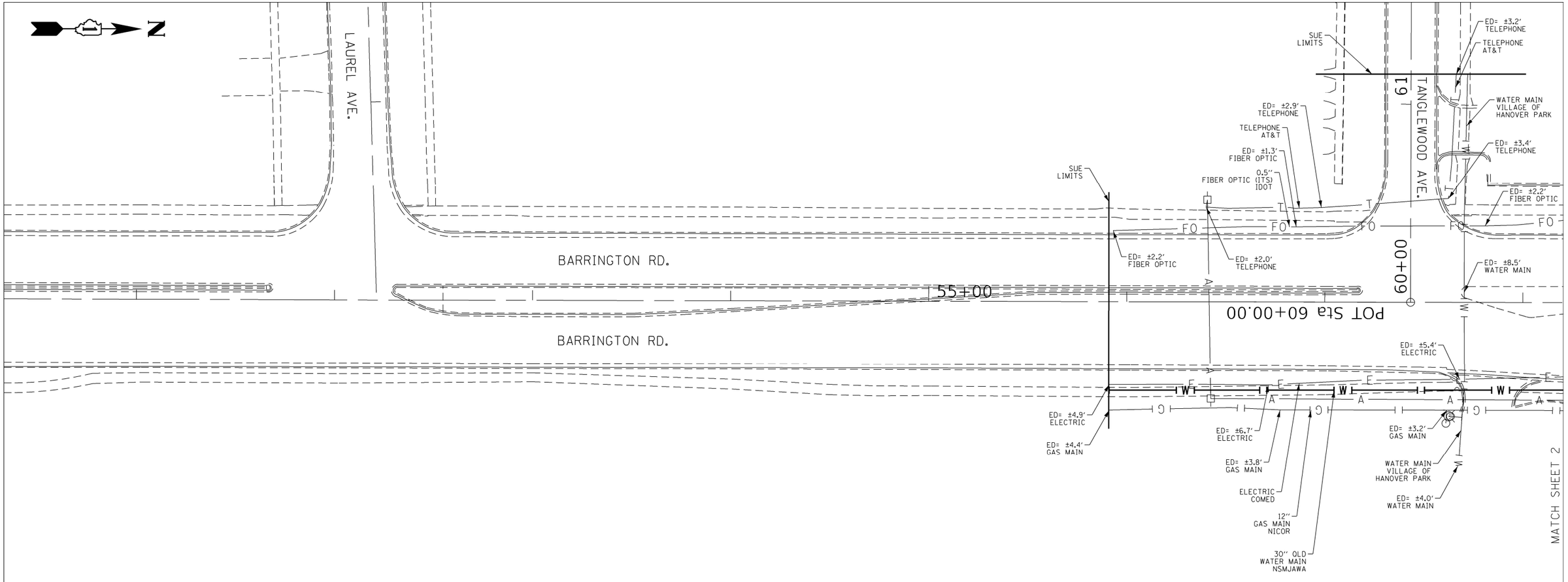
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**IRVING PARK AT BARRINGTON RD.**
**HANOVER PARK, ILLINOIS**

SCALE: | SHEET 3 OF 5 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 64 |
| | | CONTRACT NO. | 62K02 | |
| | | ILLINOIS | FED. AID PROJECT | |

IDOT W.O. 237




## ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**IRVING PARK AT BARRINGTON RD.**
**HANOVER PARK, ILLINOIS**

SCALE: | SHEET 4 OF 5 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 65 |
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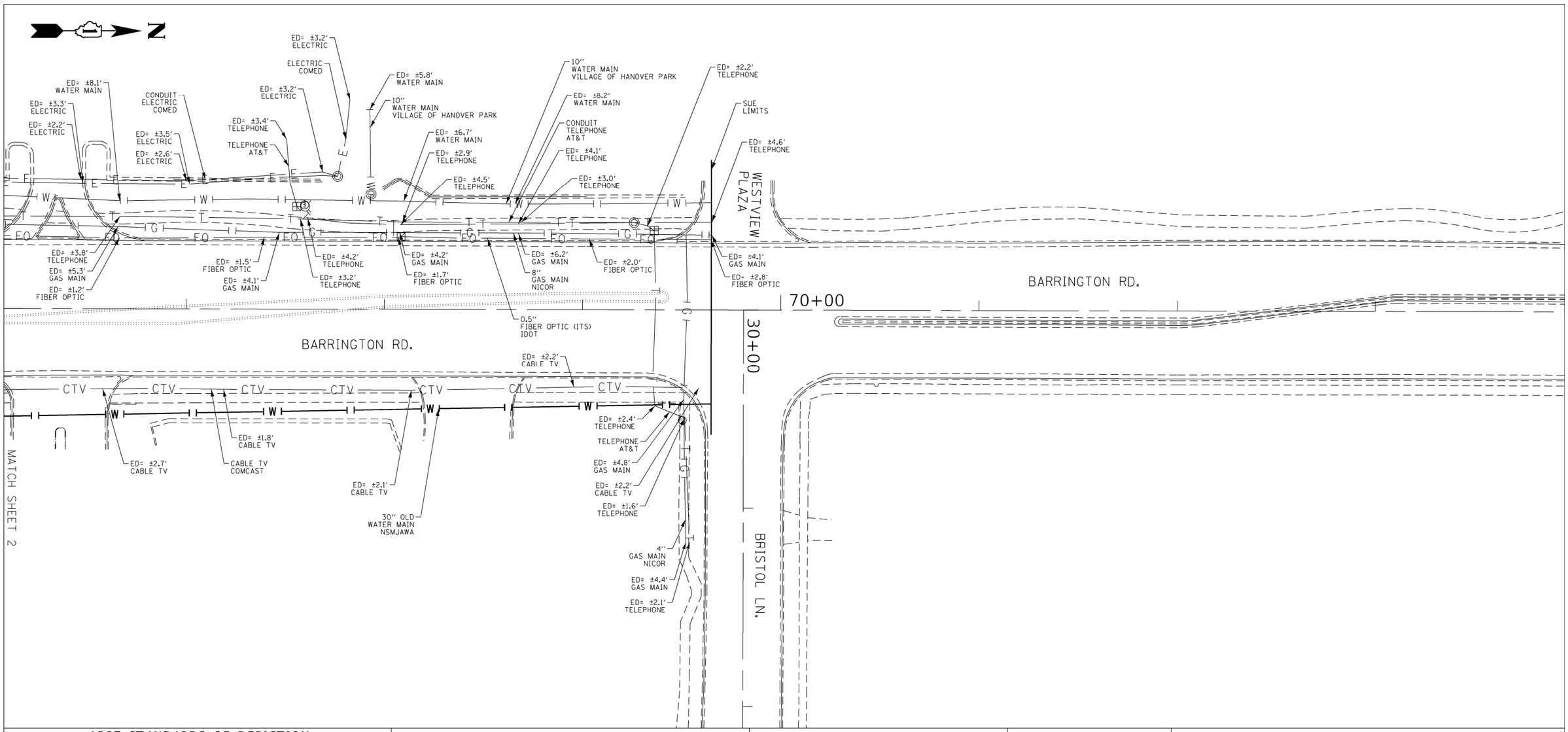
IDOT W.O. 237

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*INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILTIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.*

*QUALITY LEVEL C (QLC)*
*INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.*

*QUALITY LEVEL D (QLD)*
*INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.*

## GENERAL NOTES:

*WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.*

*WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.*

*WGI's FIELD INVESTIGATION WAS PERFORMED 06/08/2020 THROUGH 07/17/2020. CHANGES TO UTILITIES AFTER 07/17/2020 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.*

*FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.*

*UTILITY SIZE AND INFORMATION IS BASED ON BEST AVAILABLE FIELD AND RECORD INFORMATION.*

*ALL UTILITIES SHOWN ARE QUALITY LEVEL B (QLB) UNLESS NOTED OTHERWISE.*

*ALL ELECTRONIC DEPTHS PROVIDED ARE ESTIMATED APPROXIMATELY TO THE CENTER OF THE UTILITY UNLESS NOTED OTHERWISE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.*

## UTILITY LEGEND:

- *AERIAL*
- *UNKNOWN UTILITY*
- *OIL (PETROLEUM)*
- *CABLE TV*
- *TELEPHONE*
- *GAS*
- *ELECTRIC*
- *TRAFFIC SIGNAL/LIGHTING*
- *WATER*
- *FORCE MAIN*
- *FIBER OPTIC*
- *TEST HOLE*
- *END OF INFORMATION*
- *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

*signature*

08/14/2020
*date*

*license expires 11/30/2021*

SANCHEZ
Sanchez & Associates, P.C.
8604 W. Catalpa Avenue, Suite 912
Chicago, IL 60656
Phone No. (773) 444-0144

WGI
2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

| | | |
|---|---|---|
| USER NAME = Erick.Maleza | DESIGNED - | REVISED - |
| | DRAWN - CA | REVISED - |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - EG | REVISED - |
| PLOT DATE = 8/24/2020 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**IRVING PARK AT BARRINGTON RD.**
**HANOVER PARK, ILLINOIS**

SCALE: | SHEET 5 OF 5 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 66 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

IDOT W.O. 237

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

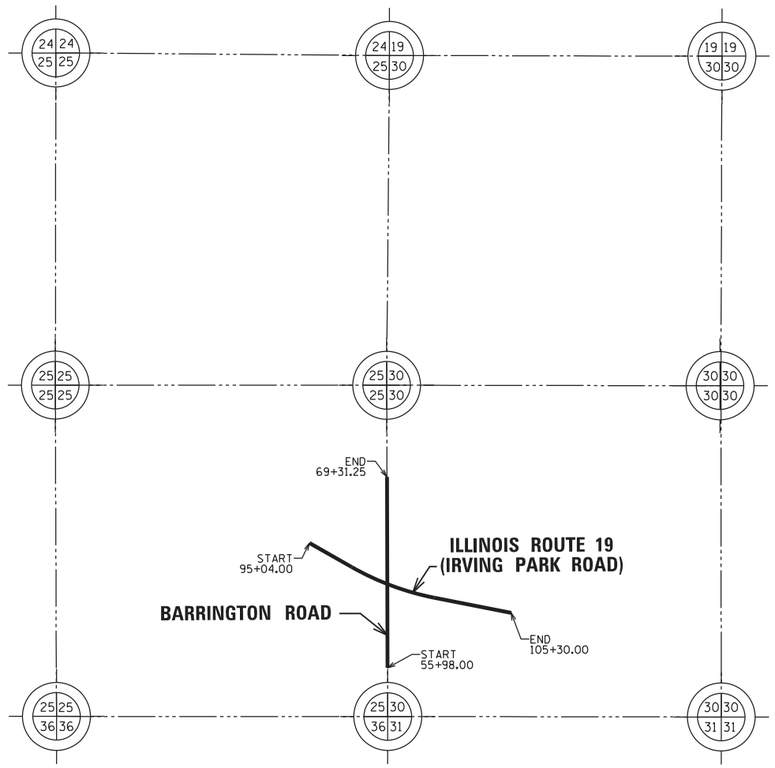
# PLAT OF HIGHWAYS

## ROUTE: ILLINOIS ROUTE 19 (IRVING PARK ROAD)
## SECTION:
## COUNTY: COOK
## LIMITS: AT BARRINGTON ROAD

## JOB NO.: R–90–018–16

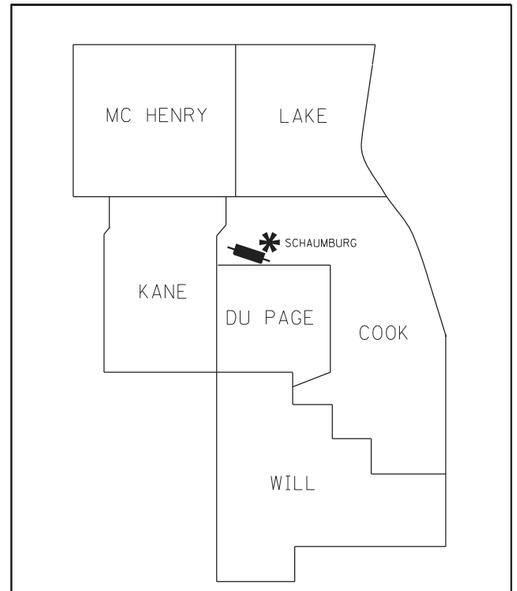
INDEX TABLE

| PARCEL NUMBER | OWNER | SHEET NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|
| OMH0001<br>OMH0001TE-A<br>OMH0001TE-B<br>OMH0001TE-C | BARRINGTON TANGLEWOOD, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY | 3 | |
| OMH0002 | ACTIVE PROPERTY HOLDINGS, INC., AN ILLINOIS CORPORATION | 3 | |
| OMH0003<br>OMH0003TE | RDK VENTURES LLC, A DELAWARE LIMITED LIABILITY COMPANY | 3 | |
| OMH0004TE | F & C PROPERTIES, LLC, A NEVADA LIMITED LIABILITY COMPANY | 3 | |
| OMH0005TE | 1640 IRVING PARK ROAD, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY | 2 | |
| OMH0006<br>OMH0006TE-A<br>OMH0006TE-B | DLA REAL ESTATE LIMITED PARTNERSHIP, AN ILLINOIS LIMITED PARTNERSHIP | 2 | |
| OMH0007TE | DEEMA PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY | 2 | |
| OMH0008TE | CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE TO LASALLE BANK, NATIONAL ASSOCIATION AS TRUSTEE UNDER TRUST AGREEMENT DATED OCTOBER 31, 1998 KNOWN AS TRUST NO. 124083-08 | 2 | |
| OMH0009TE-A<br>OMH0009TE-B | MENARD, INC., A WISCONSIN CORPORATION | 2 & 4 | |




## LOCATION MAP

**GROSS LENGTH = 3191.63 FT. = 0.604 MILES**




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

*APPROVED*
*By William Wright at 3:16 pm, Apr 13, 2020*


Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com


IDOT USE ONLY



| | BY | DATE |
|---|---|---|
| DRAWN | SMC | 06-20-19 |
| APPROVED | GKF | 06-20-19 |
| REVISED | GKF | 04-13-20 |

4/13/2020 12:49:22 PM
$FILE$

# PART OF SECTION 25 TWP. 41N., R. 09 E. & PART OF SECTION 30 TWP. 41N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS

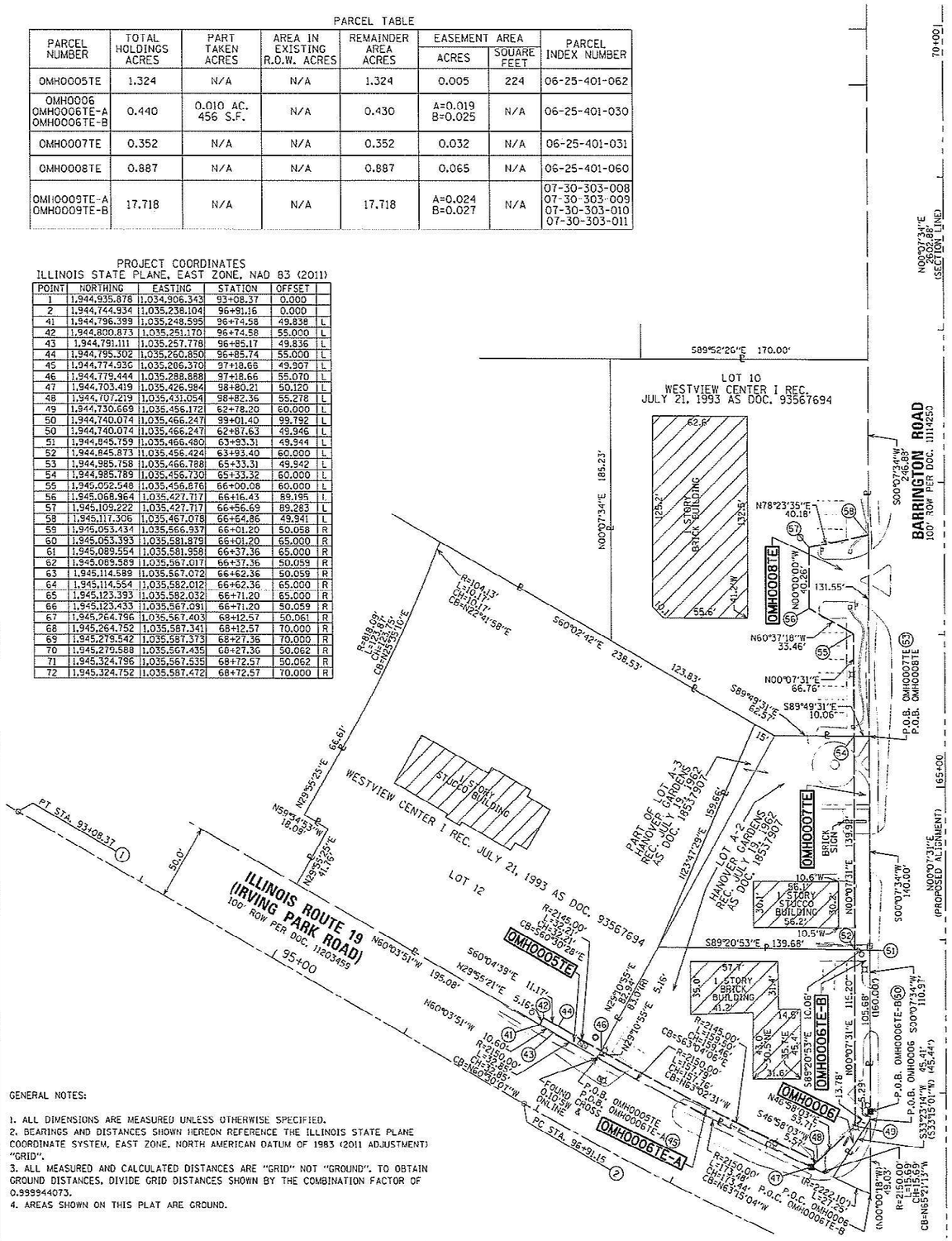
PARCEL TABLE

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---|---|---|---|---|---|---|---|
| OMH0005TE | 1.324 | N/A | N/A | 1.324 | 0.005 | 224 | 06-25-401-062 |
| OMH0006<br>OMH0006TE-A<br>OMH0006TE-B | 0.440 | 0.010 AC.<br>456 S.F. | N/A | 0.430 | A=0.019<br>B=0.025 | N/A | 06-25-401-030 |
| OMH0007TE | 0.352 | N/A | N/A | 0.352 | 0.032 | N/A | 06-25-401-031 |
| OMH0008TE | 0.887 | N/A | N/A | 0.887 | 0.065 | N/A | 06-25-401-060 |
| OMH0009TE-A<br>OMH0009TE-B | 17.718 | N/A | N/A | 17.718 | A=0.024<br>B=0.027 | N/A | 07-30-303-008<br>07-30-303-009<br>07-30-303-010<br>07-30-303-011 |

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

| POINT | NORTHING | EASTING | STATION | OFFSET | |
|---|---|---|---|---|---|
| 1 | 1,944,935.878 | 1,034,906.343 | 93+08.37 | 0.000 | |
| 2 | 1,944,744.934 | 1,035,238.104 | 96+91.16 | 0.000 | |
| 41 | 1,944,796.399 | 1,035,248.595 | 96+74.58 | 49.838 | L |
| 42 | 1,944,800.873 | 1,035,251.170 | 96+74.58 | 55.000 | L |
| 43 | 1,944,791.111 | 1,035,257.778 | 96+85.17 | 49.836 | L |
| 44 | 1,944,795.302 | 1,035,260.850 | 96+85.74 | 55.000 | L |
| 45 | 1,944,774.936 | 1,035,266.370 | 97+18.66 | 49.907 | L |
| 46 | 1,944,779.444 | 1,035,288.888 | 97+18.66 | 55.070 | L |
| 47 | 1,944,703.419 | 1,035,426.984 | 98+80.21 | 50.120 | L |
| 48 | 1,944,707.219 | 1,035,431.054 | 98+82.36 | 55.278 | L |
| 49 | 1,944,730.669 | 1,035,456.172 | 62+78.20 | 60.000 | L |
| 50 | 1,944,740.074 | 1,035,466.247 | 99+01.40 | 99.792 | L |
| 50 | 1,944,740.074 | 1,035,466.247 | 62+87.63 | 49.946 | L |
| 51 | 1,944,845.759 | 1,035,466.480 | 63+93.31 | 49.944 | L |
| 52 | 1,944,845.873 | 1,035,456.424 | 63+93.40 | 60.000 | L |
| 53 | 1,944,985.758 | 1,035,466.788 | 65+33.31 | 49.942 | L |
| 54 | 1,944,985.789 | 1,035,456.730 | 65+33.32 | 60.000 | L |
| 55 | 1,945,052.548 | 1,035,456.876 | 66+00.08 | 60.000 | L |
| 56 | 1,945,068.964 | 1,035,427.717 | 66+16.43 | 89.195 | L |
| 57 | 1,945,109.222 | 1,035,427.717 | 66+56.69 | 89.283 | L |
| 58 | 1,945,117.306 | 1,035,467.078 | 66+64.86 | 49.941 | L |
| 59 | 1,945,053.434 | 1,035,566.937 | 66+01.20 | 50.058 | R |
| 60 | 1,945,053.393 | 1,035,581.879 | 66+01.20 | 65.000 | R |
| 61 | 1,945,089.554 | 1,035,581.958 | 66+37.36 | 65.000 | R |
| 62 | 1,945,089.589 | 1,035,567.017 | 66+37.36 | 50.059 | R |
| 63 | 1,945,114.588 | 1,035,567.072 | 66+62.36 | 50.059 | R |
| 64 | 1,945,114.554 | 1,035,582.012 | 66+62.36 | 65.000 | R |
| 65 | 1,945,123.393 | 1,035,582.032 | 66+71.20 | 65.000 | R |
| 66 | 1,945,123.433 | 1,035,567.091 | 66+71.20 | 50.059 | R |
| 67 | 1,945,264.796 | 1,035,567.403 | 68+12.57 | 50.061 | R |
| 68 | 1,945,264.752 | 1,035,587.341 | 68+12.57 | 70.000 | R |
| 69 | 1,945,279.542 | 1,035,587.373 | 68+27.36 | 70.000 | R |
| 70 | 1,945,279.588 | 1,035,567.435 | 68+27.36 | 50.062 | R |
| 71 | 1,945,324.796 | 1,035,567.535 | 68+72.57 | 50.062 | R |
| 72 | 1,945,324.752 | 1,035,587.472 | 68+72.57 | 70.000 | R |

| | DATE | BY |
|---|---|---|
| DRAWN | 06-20-19 | SMC |
| APPROVED | 06-20-19 | CKF |
| REVISED | | |




## LEGEND

SECTION CORNER (9 10 16 15 N R E) — QUARTER SECTION CORNER (16 15)

GRAPHIC SCALE FEET
0 40
SCALE: 1"= 40'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

*BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.*

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL/NAIL SET OR FOUND
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◔ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999944073.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

STATE OF ILLINOIS )
)SS
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC. AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 41 NORTH, RANGE 09 EAST AND SECTION 30, TOWNSHIP 41 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS_____ DAY OF _____, 20___ A.D.

_____
DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.


MACKIE CONSULTANTS
Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com


# PLAT OF HIGHWAYS

## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
## ILLINOIS ROUTE 19 (IRVING PARK ROAD)

LIMITS: AT BARRINGTON ROAD — COUNTY: COOK
SECTION: — JOB NO.: R-90-018-16
STA. 62+4.04 TO STA. 70+21.05
SCALE: 1" = 40' — SHEET 2 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

68

RECEIVED
IDOT USE ONLY
JUL 15 2019
PLATS & LEGALS

REVISION DATE: ___/___/___ REVISION MADE BY: _____

6/20/2019 4:50 PM
N:\3675\Survey\Proposed\Final\3675-Plat of Highways-02.pli

# PART OF SECTION 25 TWP. 41N., R. 09 E. & PART OF SECTION 30 TWP. 41N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS

## PARCEL TABLE

| PARCEL NUMBER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT AREA SQUARE FEET | PARCEL INDEX NUMBER |
|---|---|---|---|---|---|---|---|
| OMH0001<br>OMH0001TE-A<br>OMH0001TE-B<br>OMH0001TE-C | 2.788 | 0.038 | N/A | 2.750 | A=0.013<br>B=0.018<br>C=0.014 | N/A | 06-25-403-016<br>06-25-403-017<br>06-25-403-018<br>06-25-403-019<br>06-25-403-020 |
| OMH0002 | 0.593 | 0.009 AC.<br>385 S.F. | N/A | 0.584 | N/A | N/A | 07-30-301-023 |
| OMH0003<br>OMH0003TE | 1.239 | 0.508 | 0.488 | 0.731 | 0.077 | N/A | 07-30-301-004 |
| OMH0004TE | 2.179 | N/A | N/A | 2.179 | 0.009 | 399 | 07-30-301-022 |

## PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

| POINT | NORTHING | EASTING | STATION | OFFSET | |
|---|---|---|---|---|---|
| 2 | 1,944,744,934 | 1,035,238,104 | 96+91.16 | 0.000 | |
| 3 | 1,944,501.172 | 1,035,883,892 | 103+84.42 | 0.000 | |
| 4 | 1,943,704.746 | 1,035,513,967 | N/A | N/A | |
| 5 | 1,946,307.620 | 1,035,519,659 | N/A | N/A | |
| 6 | 1,944,712.974 | 1,035,193.078 | 96+68.07 | 50.160 | R |
| 7 | 1,944,703.411 | 1,035,187.574 | 96+68.07 | 61.193 | R |
| 8 | 1,944,704.453 | 1,035,207.875 | 96+85.15 | 50.164 | R |
| 9 | 1,944,688.231 | 1,035,236.527 | 97+17.46 | 50.096 | R |
| 10 | 1,944,678.470 | 1,035,230.909 | 97+17.33 | 61.357 | R |
| 11 | 1,944,604.012 | 1,035,403.898 | 61+51.43 | 111.997 | L |
| 12 | 1,944,567.676 | 1,035,449.979 | 61+15.19 | 65.836 | L |
| 13 | 1,944,527.456 | 1,035,462.728 | 60+75.00 | 53.000 | L |
| 14 | 1,944,454.801 | 1,035,462.569 | 60+02.34 | 53.000 | L |
| 15 | 1,944,454.835 | 1,035,446.985 | 60+02.34 | 68.583 | L |
| 16 | 1,944,404.835 | 1,035,446.876 | 59+52.34 | 68.583 | L |
| 17 | 1,944,404.801 | 1,035,462.459 | 59+52.34 | 53.000 | L |
| 18 | 1,944,402.486 | 1,035,462.454 | 59+50.03 | 53.000 | L |
| 19 | 1,944,292.457 | 1,035,462.213 | 58+40.00 | 53.000 | L |
| 20 | 1,944,292.450 | 1,035,465.261 | 58+40.00 | 49.952 | L |
| 21 | 1,944,235.768 | 1,035,465.136 | 57+83.32 | 49.953 | L |
| 22 | 1,944,225.799 | 1,035,465.114 | 57+73.35 | 49.953 | L |
| 23 | 1,944,235.898 | 1,035,406.003 | 57+83.32 | 109.086 | L |
| 24 | 1,944,225.942 | 1,035,405.981 | 57+73.36 | 109.086 | L |
| 25 | 1,944,287.231 | 1,035,565.250 | 58+35.00 | 50.048 | R |
| 26 | 1,944,287.220 | 1,035,570.202 | 58+35.00 | 55.000 | R |
| 27 | 1,944,364.201 | 1,035,570.371 | 59+11.98 | 55.000 | R |
| 28 | 1,944,369.886 | 1,035,570.383 | 59+17.67 | 55.000 | R |
| 29 | 1,944,369.864 | 1,035,580.383 | 59+17.67 | 65.000 | R |
| 30 | 1,944,473.126 | 1,035,580.609 | 60+20.93 | 65.000 | R |
| 31 | 1,944,499.947 | 1,035,570.668 | 60+47.73 | 55.000 | R |
| 32 | 1,944,510.210 | 1,035,578.477 | 60+58.01 | 62.787 | R |
| 33 | 1,944,510.976 | 1,035,605.707 | 60+58.83 | 90.016 | R |
| 34 | 1,944,524.598 | 1,035,610.444 | 60+72.47 | 94.722 | R |
| 35 | 1,944,494.716 | 1,035,661.021 | 101+72.93 | 61.217 | R |
| 36 | 1,944,493.384 | 1,035,692.860 | 102+03.01 | 53.357 | R |
| 37 | 1,944,476.407 | 1,035,752.732 | 102+63.73 | 53.754 | R |
| 38 | 1,944,481.329 | 1,035,752.743 | 102+62.52 | 48.991 | R |
| 39 | 1,944,456.175 | 1,035,833.555 | 103+45.00 | 54.456 | R |
| 40 | 1,944,460.830 | 1,035,834.586 | 103+45.00 | 49.688 | R |
| 73 | 1,944,365.862 | 1,035,565.423 | 59+13.63 | 50.049 | R |
| 74 | 1,944,612.630 | 1,035,515,966 | 61+60.29 | 0.052 | R |

## LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET
0 40
SCALE: 1"= 40'

*BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.*

- IRON PIPE OR ROD FOUND
- "MAG" NAIL/NAIL SET OR FOUND
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

| | DATE | BY |
|---|---|---|
| DRAWN | 06-20-19 | SMC |
| APPROVED | 06-20-19 | GKF |
| REVISED | 07-18-19 | GKF |
| REVISED | 07-19-19 | GKF |

1/19/209 l07123 FW
#FILE#

GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

STATE OF ILLINOIS )
) SS
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 41 NORTH, RANGE 09 EAST AND SECTION 30, TOWNSHIP 41 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS_____ DAY OF _____, 20___ A.D.

_____
DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.


Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com


# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
## ILLINOIS ROUTE 19 (IRVING PARK ROAD)

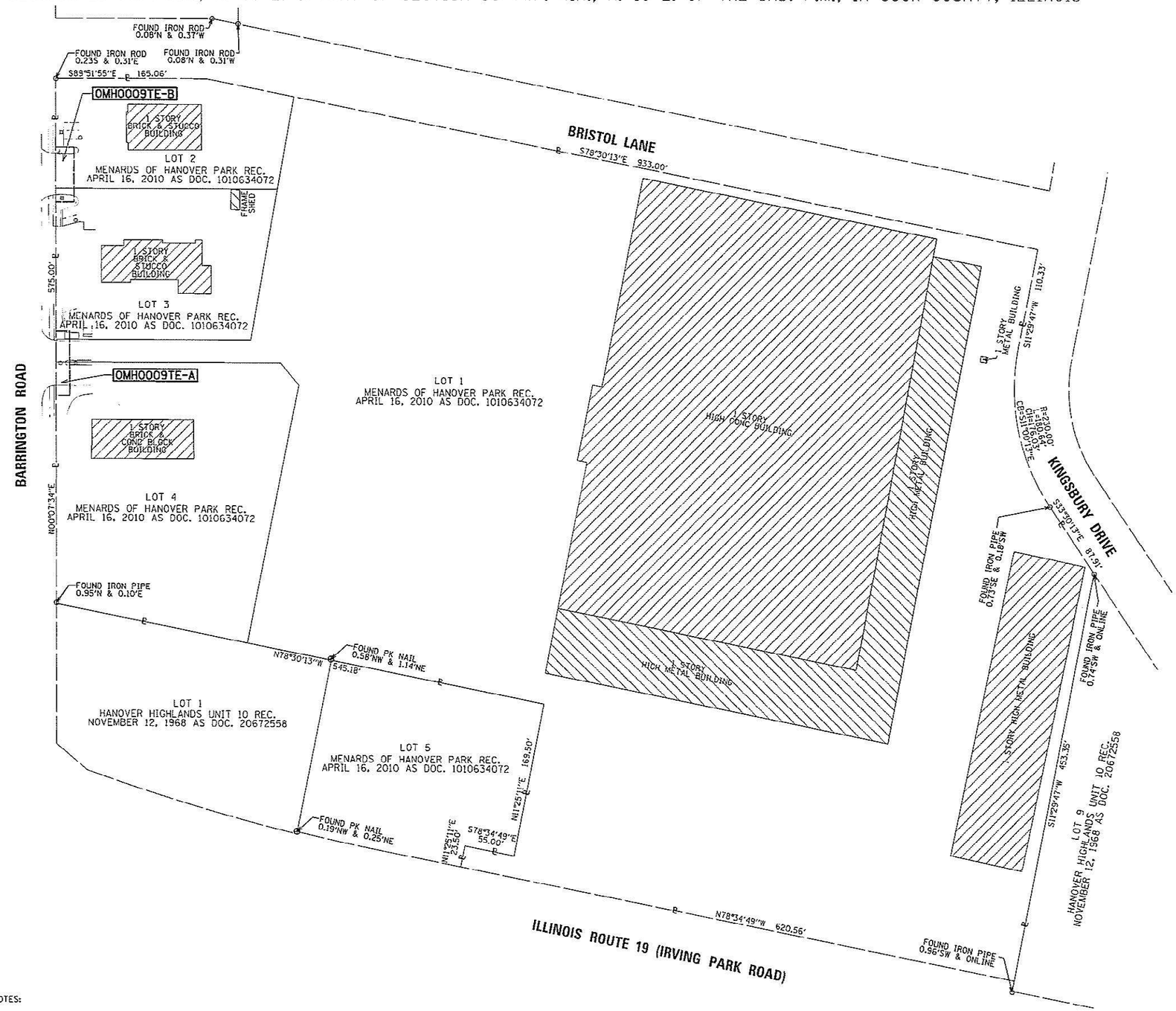
LIMITS: AT BARRINGTON ROAD COUNTY: COOK
SECTION: JOB NO.: R-90-018-16
STA. 95+60.41 TO STA. 105+61.43
SCALE: 1" = 40' SHEET 3 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196


RECEIVED
JUL 19 2019
PLATS & LEGALS


REVISION DATE: ---/---/--- REVISION MADE BY: ----------

PART OF SECTION 25 TWP. 41N., R. 09 E. & PART OF SECTION 30 TWP. 41N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS




## LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE
FEET
0 60
SCALE: 1"= 60'

*BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.*

- IRON PIPE OR ROD FOUND
- "MAG" NAIL/NAIL SET OR FOUND
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

| | DATE | BY |
|---|---|---|
| DRAWN | 06-20-19 | SMC |
| APPROVED | 06-20-19 | GKF |
| REVISED | | |

REVISION DATE: ___/___/___ REVISION MADE BY: _____

STATE OF ILLINOIS)
)SS
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 41 NORTH, RANGE 09 EAST AND SECTION 30, TOWNSHIP 41 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS_____ DAY OF _____, 20__ A.D.

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# PLAT OF HIGHWAYS

## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
## ILLINOIS ROUTE 19 (IRVING PARK ROAD)

LIMITS: AT BARRINGTON ROAD COUNTY: COOK
SECTION: JOB NO.: R-90-018-16
STA. 61+46.50 TO STA. 70+17.86
SCALE: 1" = 60' SHEET 4 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

70

IDOT USE ONLY
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JUL 15 2019
PLATS & LEGALS

6/20/2019 4:46:00 PM
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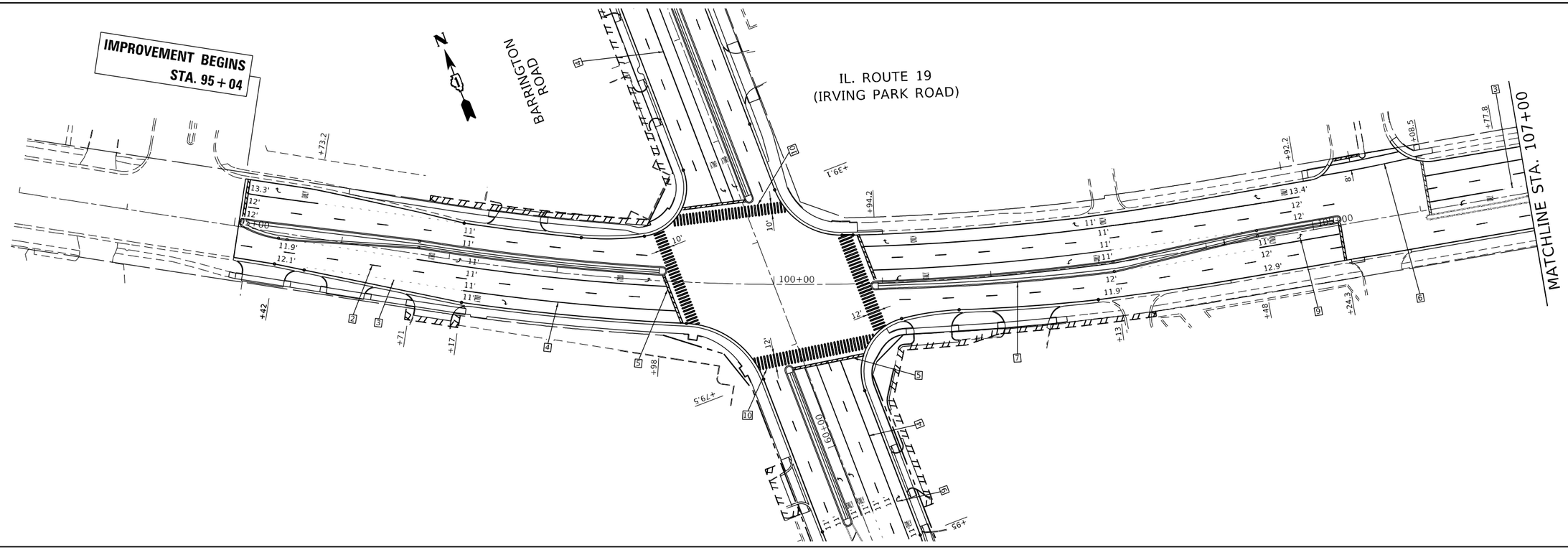


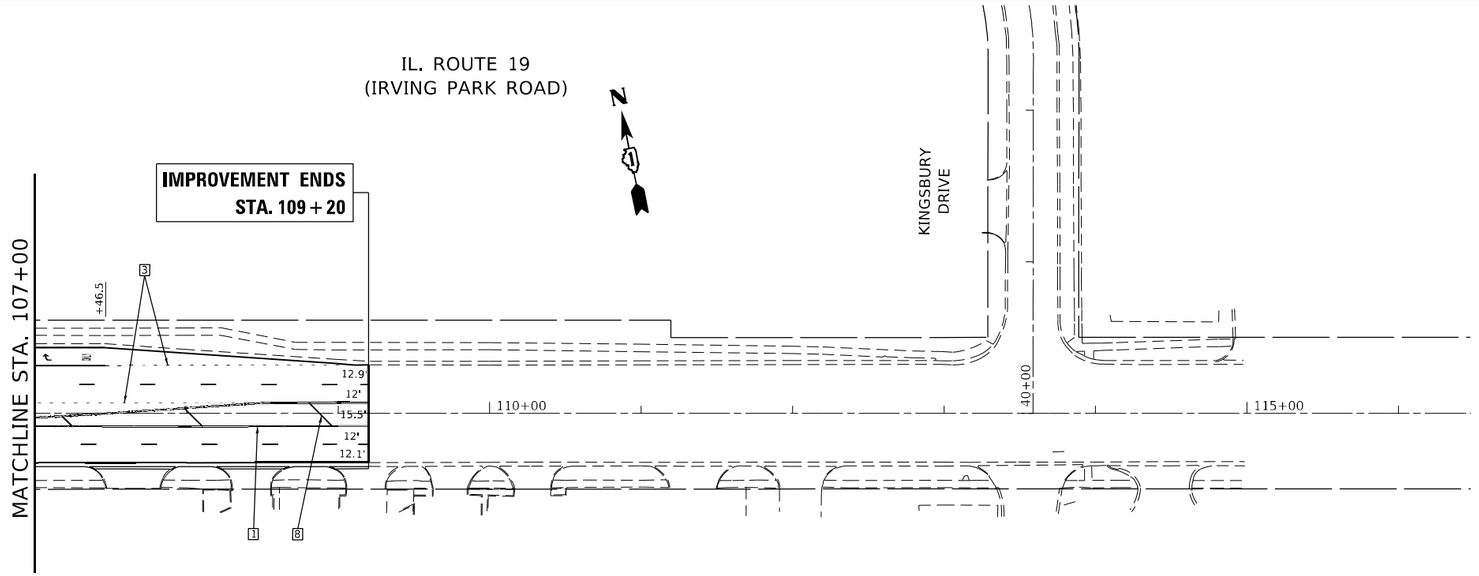


## PAVEMENT MARKING LEGEND:

1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP-DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE, 2 @ 6' C-C (TYP. UNLESS OTHERWISE NOTED)
7. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID YELLOW EDGE LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL BAR, SPACED 2' APART (TYP.)

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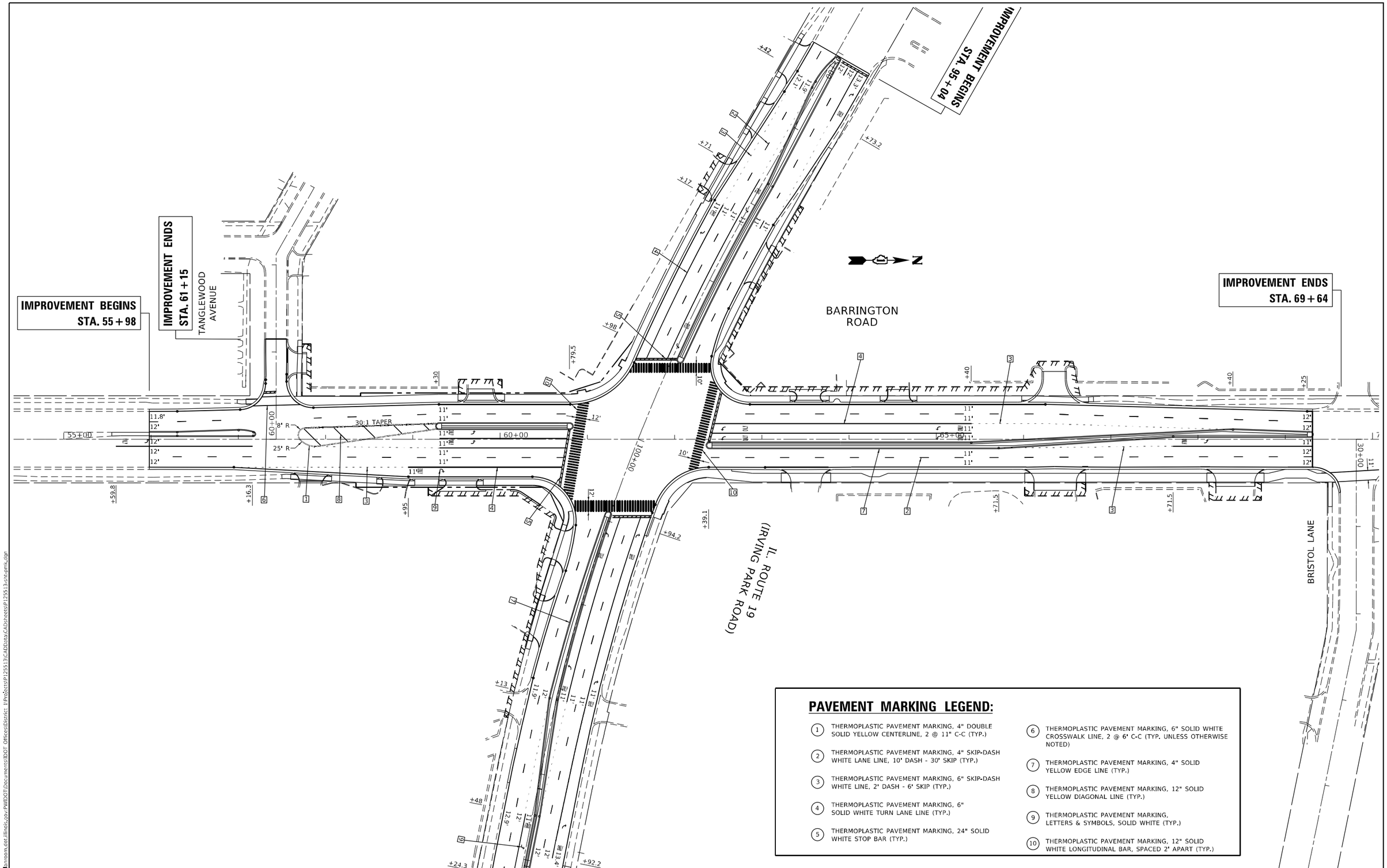
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**PROPOSED PAVEMENT MARKING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 71 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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1. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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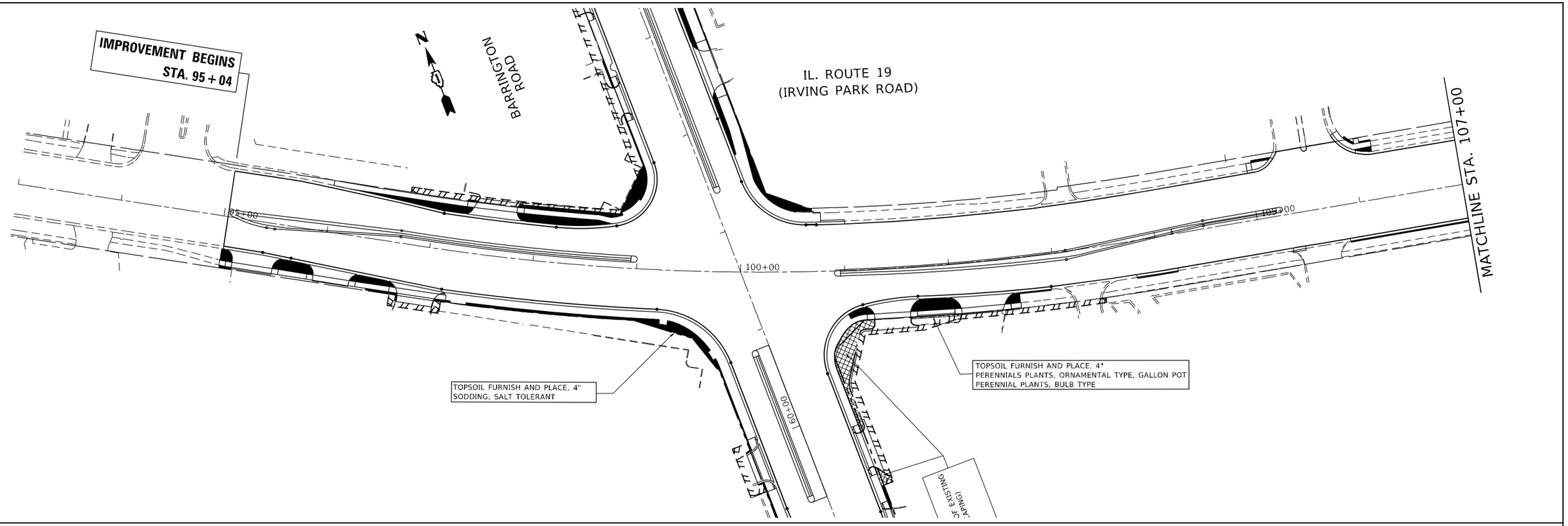
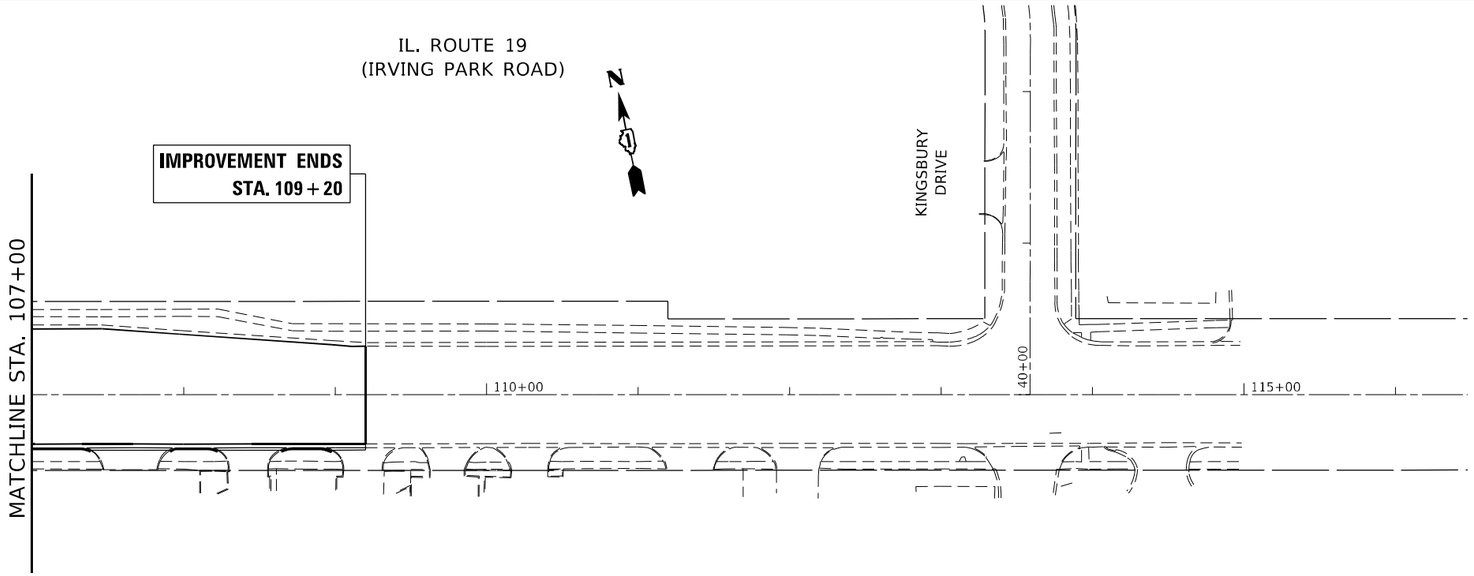
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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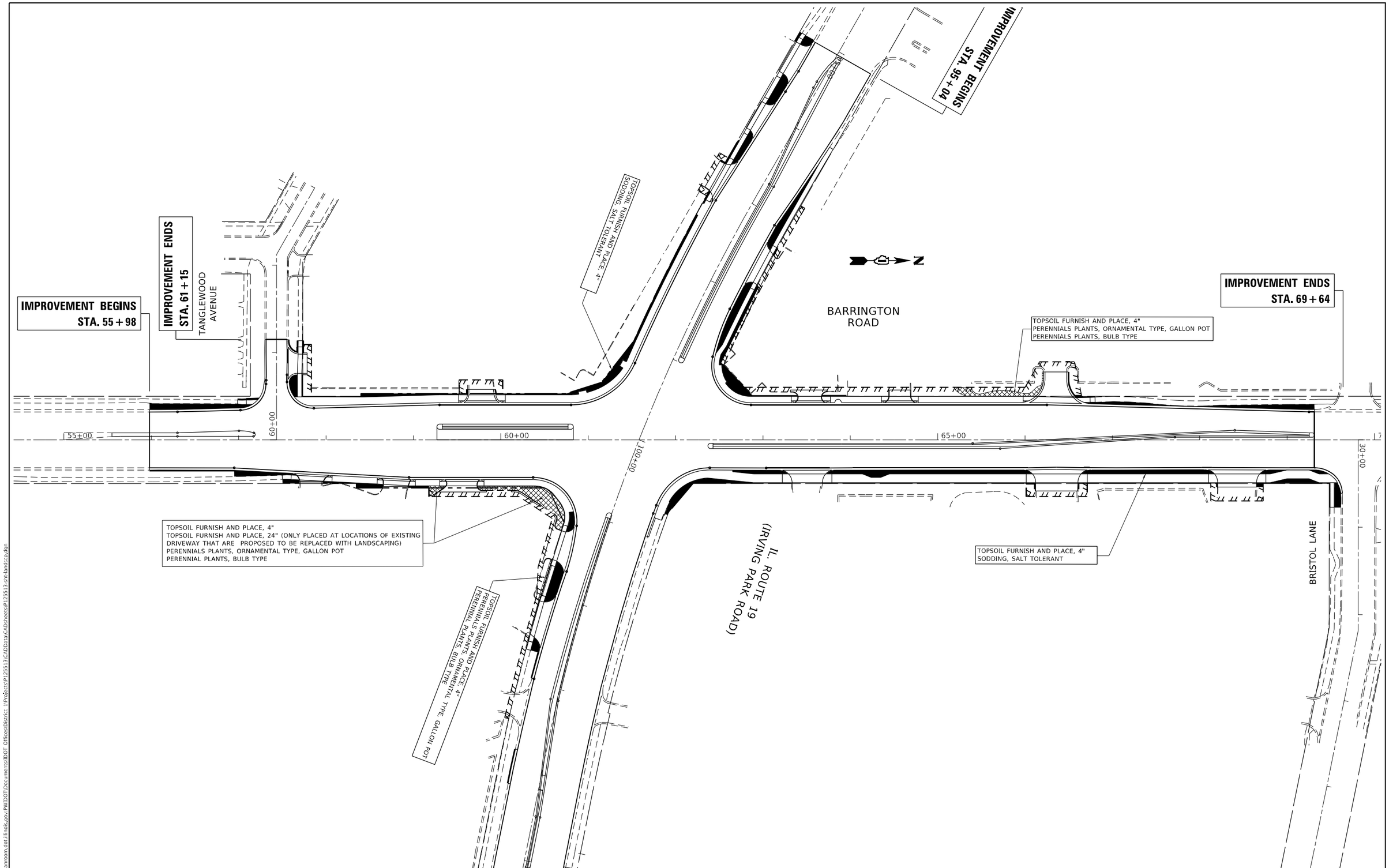
| USER NAME = tariqfm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED LANDSCAPING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 73 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED LANDSCAPING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 74 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

# TRAFFIC SIGNAL LEGEND

**(NOT TO SCALE)**

| ITEM | EXISTING | PROPOSED |
|---|---|---|
| CONTROLLER CABINET | | |
| COMMUNICATION CABINET | CC | CC |
| MASTER CONTROLLER | MC | MC |
| MASTER MASTER CONTROLLER | MMC | MMC |
| UNINTERRUPTABLE POWER SUPPLY | | |
| SERVICE INSTALLATION<br>-(P) POLE MOUNTED | P | P |
| SERVICE INSTALLATION<br>-(G) GROUND MOUNTED<br>-(GM) GROUND MOUNTED METERED | G GM | G GM |
| TELEPHONE CONNECTION | ET | T |
| STEEL MAST ARM ASSEMBLY AND POLE | | |
| ALUMINUM MAST ARM ASSEMBLY AND POLE | | |
| STEEL COMBINATION MAST ARM<br>ASSEMBLY AND POLE WITH LUMINAIRE | | |
| SIGNAL POST<br>-(BM) BARREL MOUNTED - TEMPORARY | | BM |
| WOOD POLE | | |
| GUY WIRE | | |
| SIGNAL HEAD | | |
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD OPTICALLY PROGRAMMED | P P | P P |
| FLASHER INSTALLATION<br>-(FS) SOLAR POWERED | F FS<br>F FS | F FS<br>F FS |
| PEDESTRIAN SIGNAL HEAD | | |
| PEDESTRIAN PUSH BUTTON<br>-(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON | APS | APS |
| RADAR DETECTION SENSOR | R | R |
| VIDEO DETECTION CAMERA | V | V |
| RADAR/VIDEO DETECTION ZONE | | |
| PAN, TILT, ZOOM (PTZ) CAMERA | PTZ | PTZ |
| EMERGENCY VEHICLE LIGHT DETECTOR | | |
| CONFIMATION BEACON | | |
| WIRELESS INTERCONNECT | | |
| WIRELESS INTERCONNECT RADIO REPEATER | ERR | RR |

| ITEM | EXISTING | PROPOSED |
|---|---|---|
| HANDHOLE<br>-SQUARE<br>-ROUND | | |
| HEAVY DUTY HANDHOLE<br>-SQUARE<br>-ROUND | H | H |
| DOUBLE HANDHOLE | | |
| JUNCTION BOX | J | |
| RAILROAD CANTILEVER MAST ARM | | |
| RAILROAD FLASHING SIGNAL | | |
| RAILROAD CROSSING GATE | | |
| RAILROAD CROSSBUCK | | |
| RAILROAD CONTROLLER CABINET | ERR | RR |
| UNDERGROUND CONDUIT (UC),<br>GALVANIZED STEEL | | |
| TEMPORARY SPAN WIRE,<br>TETHER WIRE, AND CABLE | | |
| SYSTEM ITEM | S | SP |
| INTERSECTION ITEM | I | IP |
| REMOVE ITEM | | R |
| RELOCATE ITEM | | RL |
| ABANDON ITEM | | A |
| CONTROLLER CABINET AND<br>FOUNDATION TO BE REMOVED | | RCF |
| MAST ARM POLE AND<br>FOUNDATION TO BE REMOVED | | RMF |
| SIGNAL POST AND<br>FOUNDATION TO BE REMOVED | | RPF |
| DETECTOR LOOP, TYPE I | | |
| PREFORMED DETECTOR LOOP | P | P |
| SAMPLING (SYSTEM) DETECTOR | S | S |
| INTERSECTION AND SAMPLING<br>(SYSTEM) DETECTOR | IS | IS |
| QUEUE AND SAMPLING<br>(SYSTEM) DETECTOR | QS | QS |
| WIRELESS DETECTOR SENSOR | R | W |
| WIRELESS ACCESS POINT | | |

| ITEM | EXISTING | PROPOSED |
|---|---|---|
| SIGNAL HEAD<br>-(P) PROGRAMMABLE SIGNAL HEAD | P | P |
| SIGNAL HEAD WITH BACKPLATE<br>-(P) PROGRAMMABLE SIGNAL HEAD<br>-(RB) RETROREFLECTIVE BACKPLATE | P RB | P RB |
| PEDESTRIAN SIGNAL HEAD<br>AT RAILROAD INTERSECTIONS | | |
| PEDESTRIAN SIGNAL HEAD<br>WITH COUNTDOWN TIMER | C D | C D |
| ILLUMINATED SIGN<br>"NO LEFT TURN"/"NO RIGHT TURN" | | |
| NUMBER OF CONDUCTORS, ELECTRIC<br>CABLE NO. 14, UNLESS NOTED OTHERWISE,<br>ALL DETECTOR LOOP CABLE TO BE SHIELDED | 5 | 5 |
| GROUND CABLE IN CONDUIT,<br>NO. 6 SOLID COPPER (GREEN) | 1#6 | 1#6 |
| ELECTRIC CABLE IN CONDUIT, TRACER<br>NO. 14 1/C | 1 | 1 |
| COAXIAL CABLE | C | C |
| VENDOR CABLE | V | V |
| COPPER INTERCONNECT CABLE,<br>NO. 18, 3 PAIR TWISTED, SHIELDED | 6#18 | 6#18 |
| FIBER OPTIC CABLE<br>-NO. 62.5/125, MM12F<br>-NO. 62.5/125, MM12F SM12F<br>-NO. 62.5/125, MM12F SM24F | 12F<br>24F<br>36F | 12F<br>24F<br>36F |
| GROUND ROD<br>-(C) CONTROLLER<br>-(M) MAST ARM<br>-(P) POST<br>-(S) SERVICE | C M P S | C M P S |

TS SHT NO. 1

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| | DRAWN - IP | REVISED - | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - LP | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - 9/29/2016 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 75 |
| | TS-05 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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## 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.

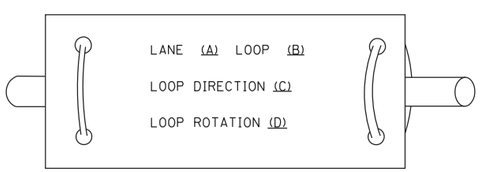
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

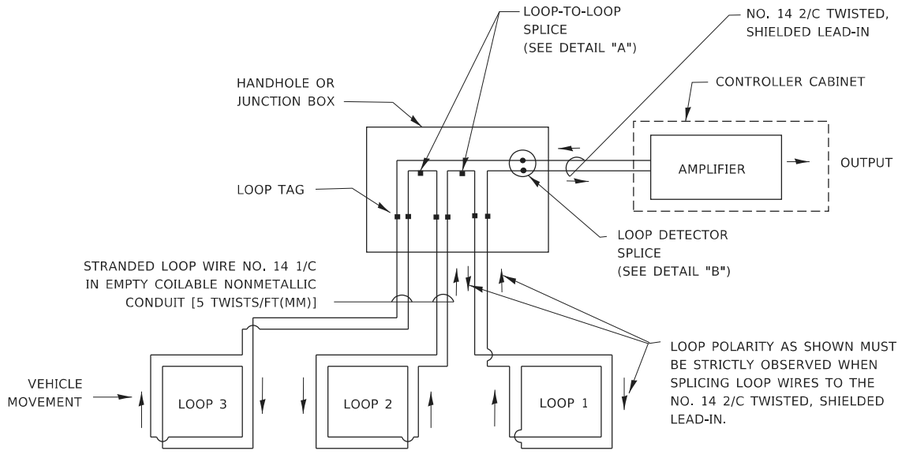



A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

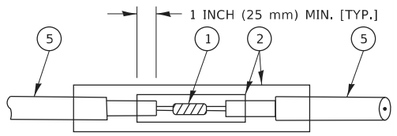
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

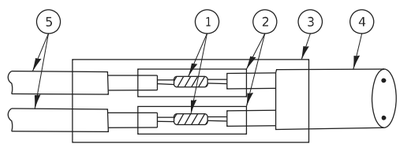



## DETECTOR LOOP WIRING SCHEMATIC

- 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.

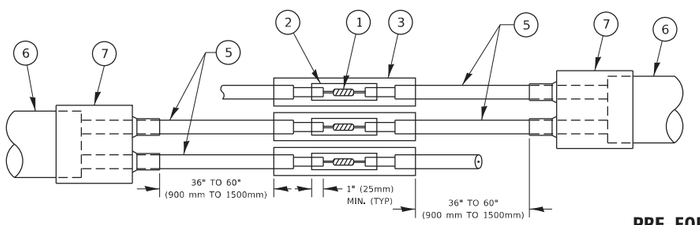



DETAIL "A"
LOOP-TO-LOOP SPLICE



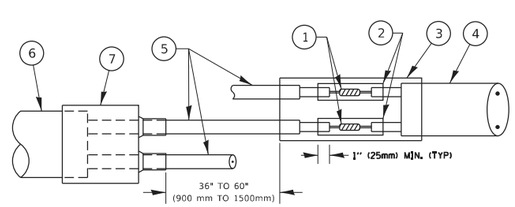

DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

## TYPE I LOOP




DETAIL "A"
LOOP-TO-LOOP SPLICE

## PRE-FORMED LOOP




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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

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| | DRAWN - | REVISED - | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - | |

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 76 |
| | TS-05 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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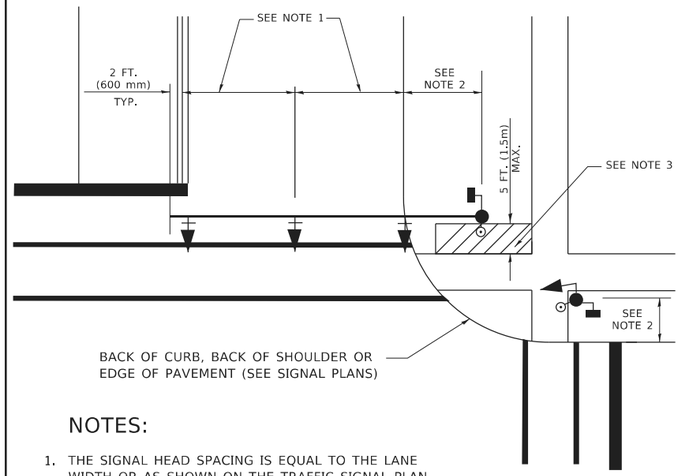
## TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

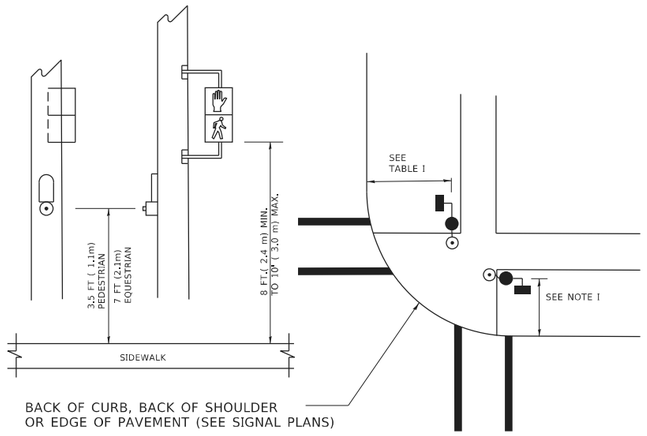
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.




### 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."

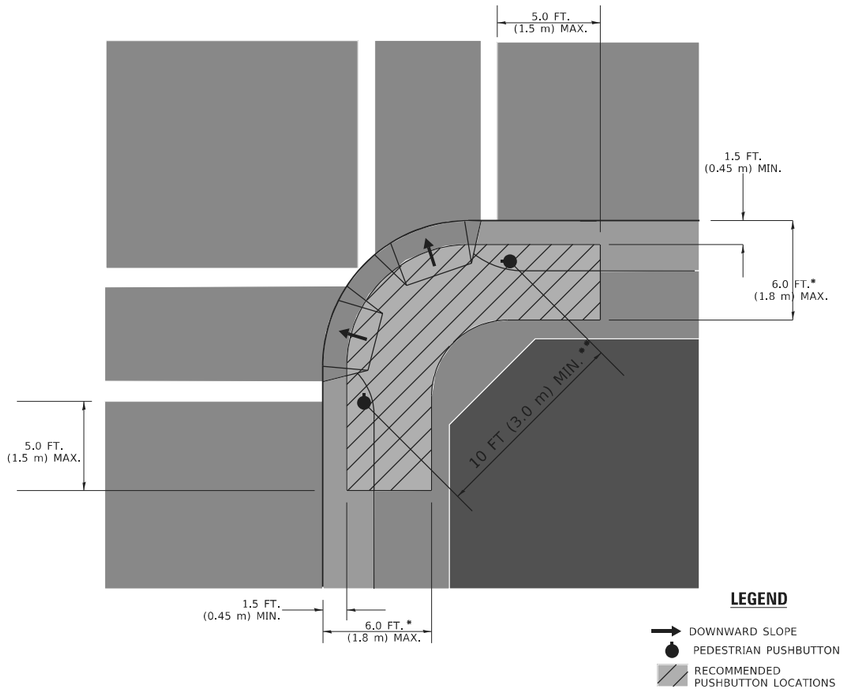
## PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST




### 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 TOTHE 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.

TS SHT NO. 3

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| | DRAWN - | REVISED - | |
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| PLOT DATE = 3/4/2019 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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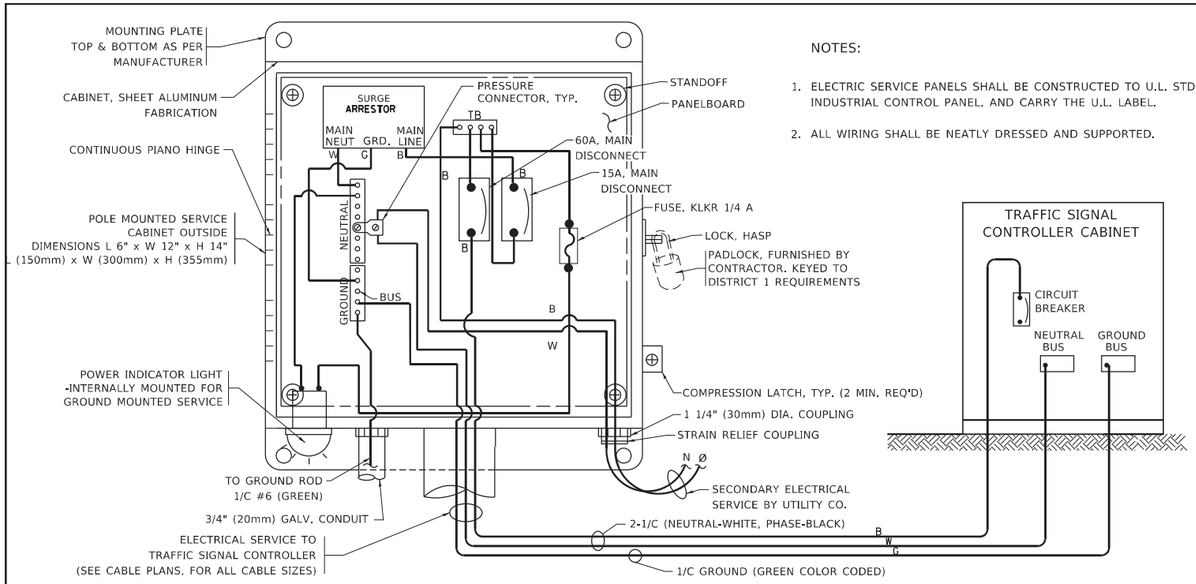
| | TS–05 | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |



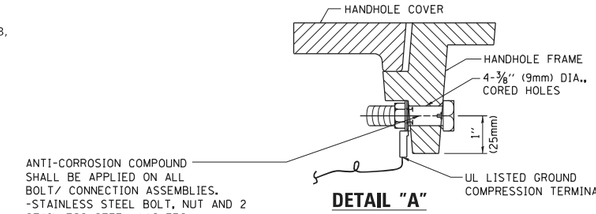

NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

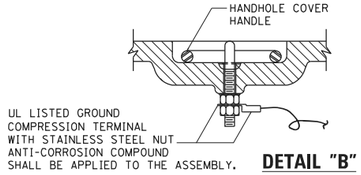
## ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)




**DETAIL "A"**

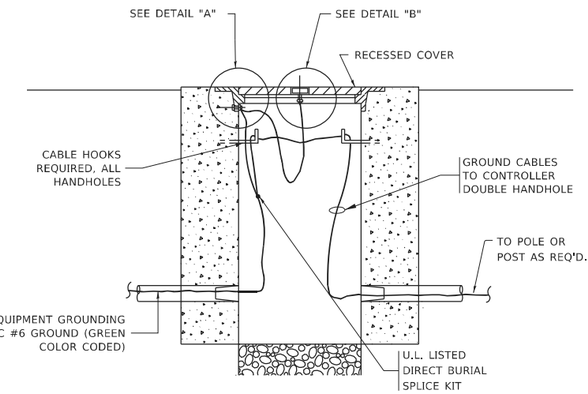



**DETAIL "B"**

NOTES:

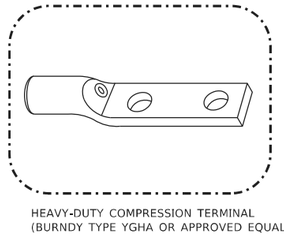
**GROUNDING SYSTEM**

1. 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 PROVIDED. 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.
2. 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.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

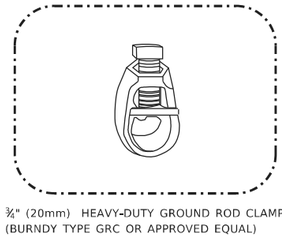



## HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



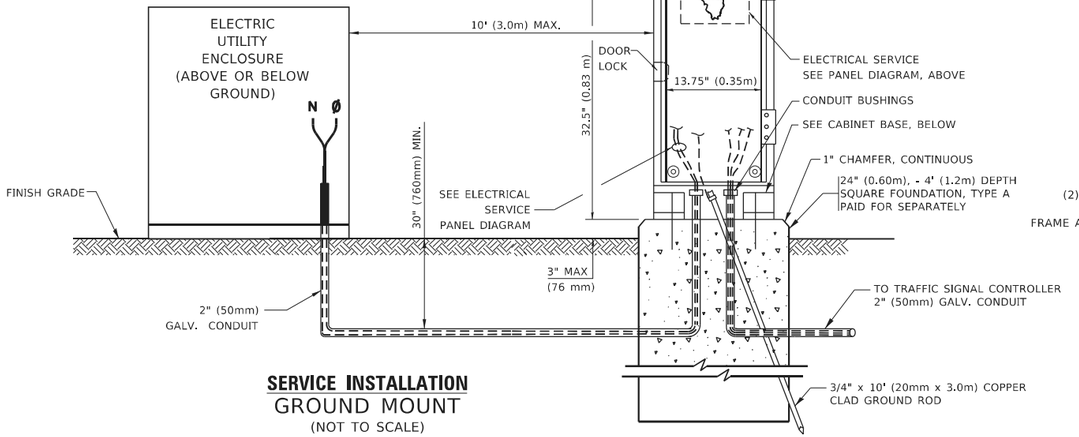
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

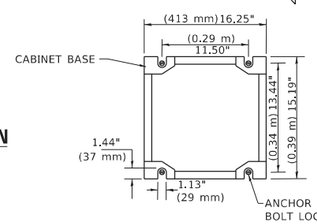
NOTES:

- 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.



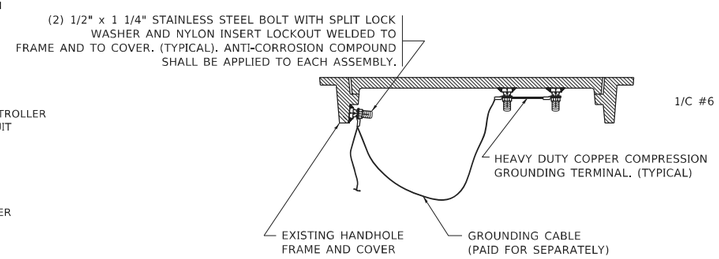

## SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)



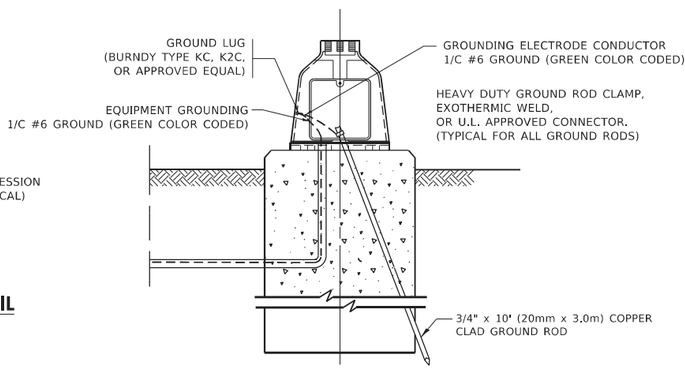

## CABINET – BASE BOLT PATTERN

(NOT TO SCALE)




## EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)




## MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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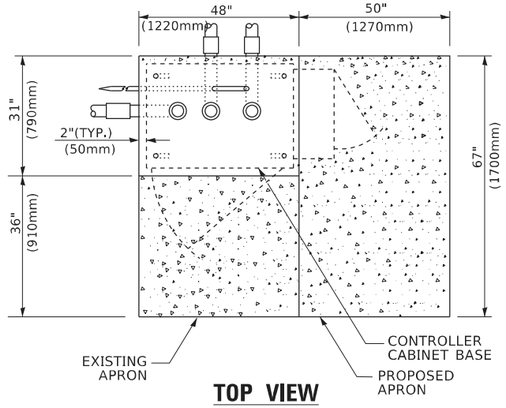
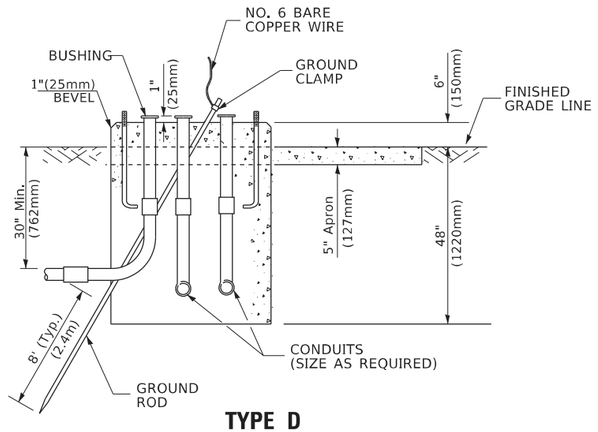
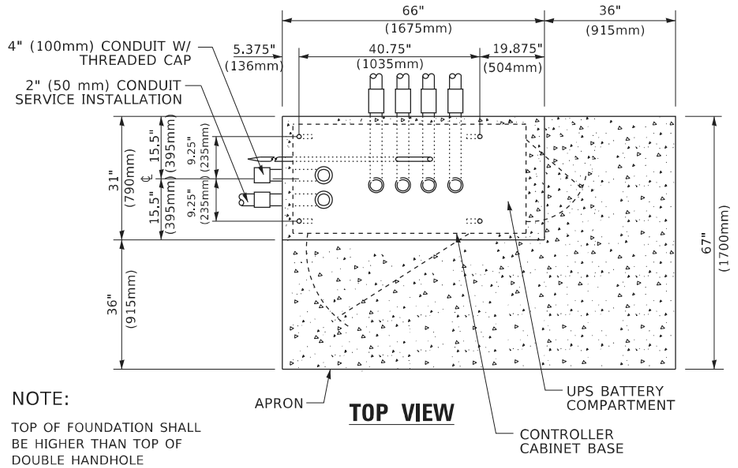



**TOP VIEW**



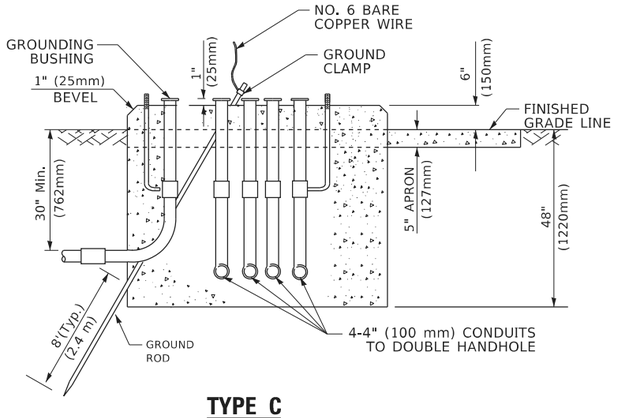

**TYPE D**
**FOR GROUND MOUNTED**
**CONTROLLER CABINET**
**AND UPS BATTERY CABINET**



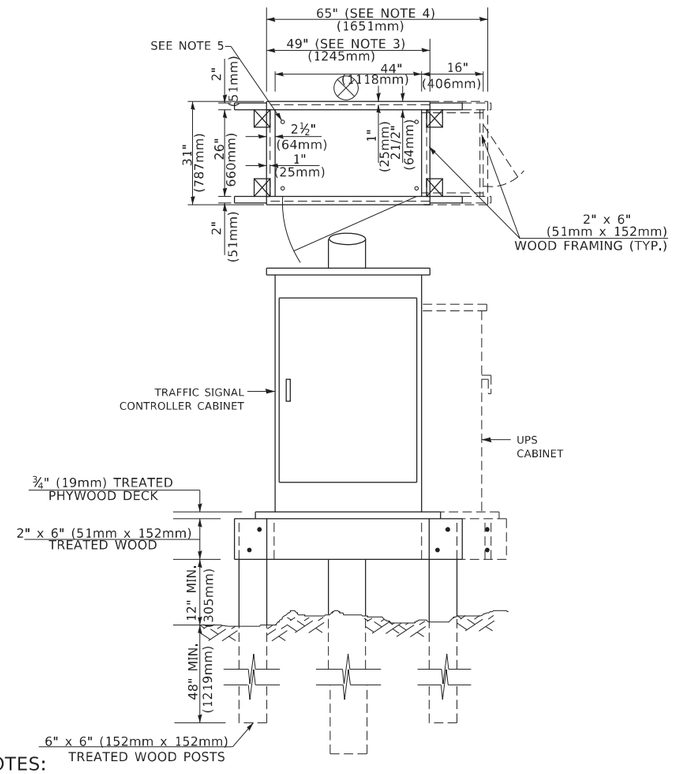

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

**TOP VIEW**




**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) |
| | 11'-0" (3.4 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 13'-0" (4.0 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m) | 15'-0" (4.6 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m) | 21'-0" (6.4 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |
| Greater than or equal to 65' (19.8 m) and up to 75' (22.9 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**

**TS SHT NO. 5**

MODEL: Default
FILE NAME: pw:\\IL084-EBIDINTEG:Illinois-pw:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist%d22x23#CADData#CADSheets#ts05.dgn

| | | | |
|---|---|---|---|
| USER NAME = footem] | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - | |

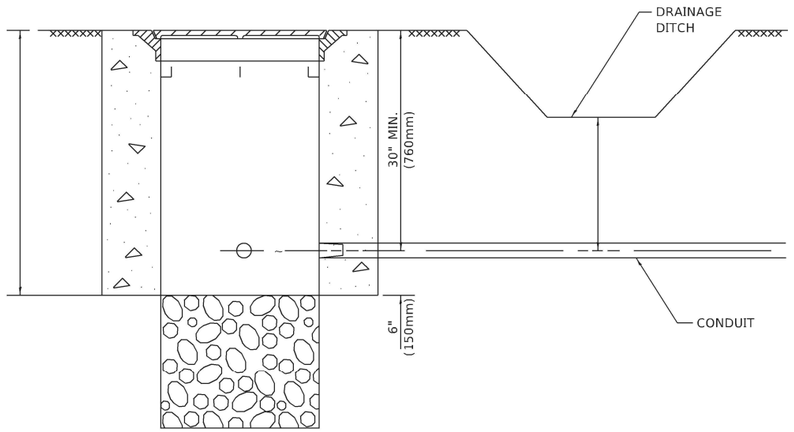
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 79 |
| | TS-05 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

d05.dgn 3/4/2019 11:23:26 AM User:footem

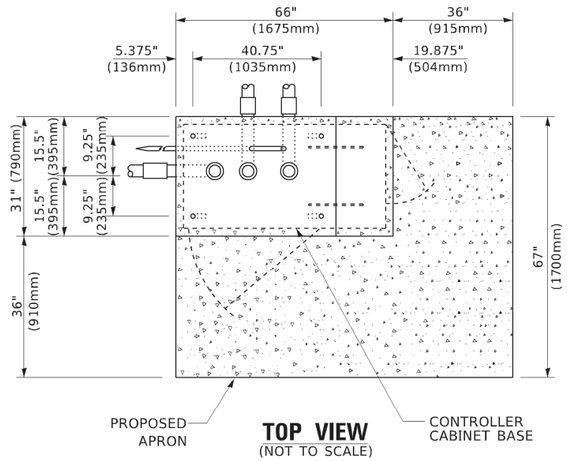



NOTES:

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

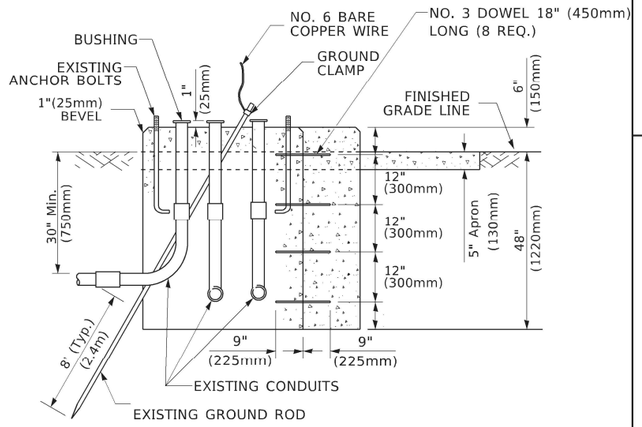
## HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



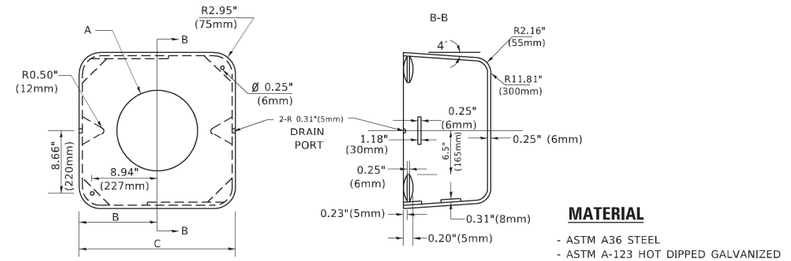

## TOP VIEW

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

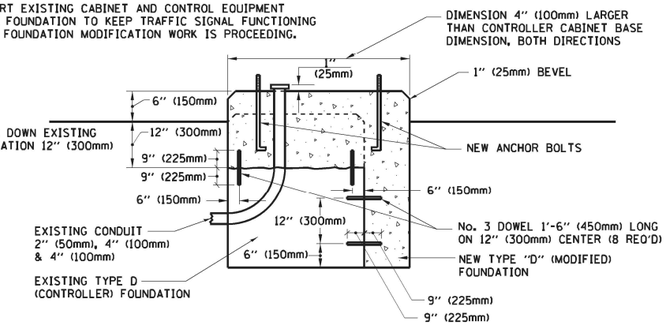
## SHROUD

NOTES:

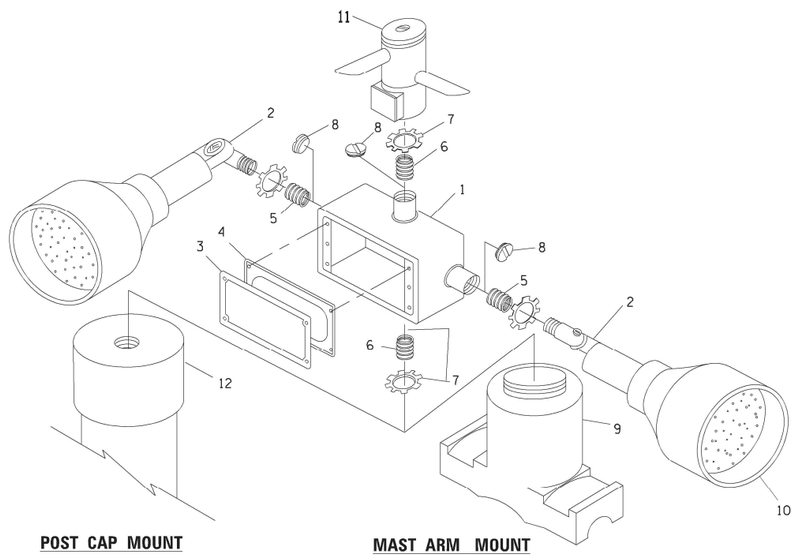
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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




POST CAP MOUNT

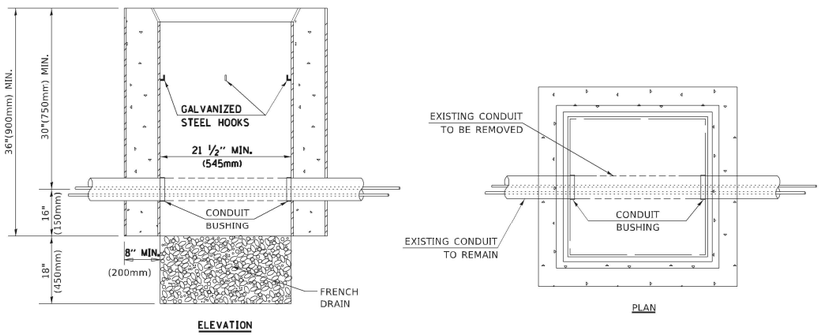
MAST ARM MOUNT

## 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 | ¾"(19 mm) CLOSE NIPPLE |
| 7 | ¾"(19 mm) LOCKNUT |
| 8 | ¾"(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:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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
3. 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.




ELEVATION

PLAN

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. 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

TS SHT NO. 6

MODEL: Default
FILE NAME: pw:\\IL0884BIDINTEC.illinois.gov:PWDOT\Documents\IDOT Offices\District 1\Projects\Dist1Std22x34\CADData\CADSheets\ts05.dgn

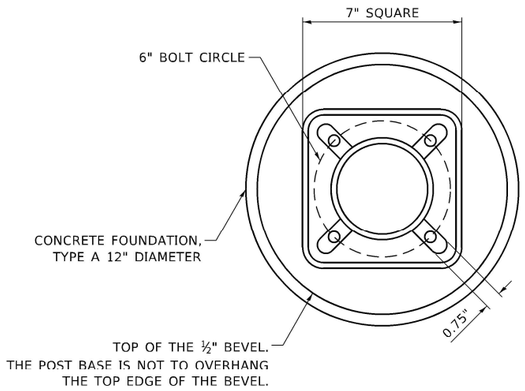
| | | | |
|---|---|---|---|
| USER NAME = footemj | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

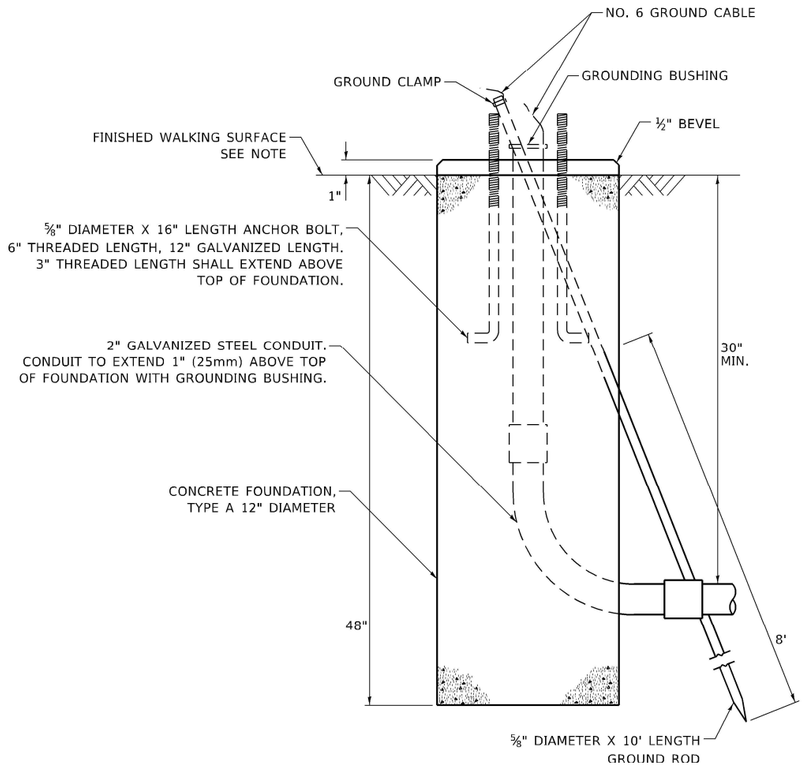
| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 80 |
| | TS-05 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |



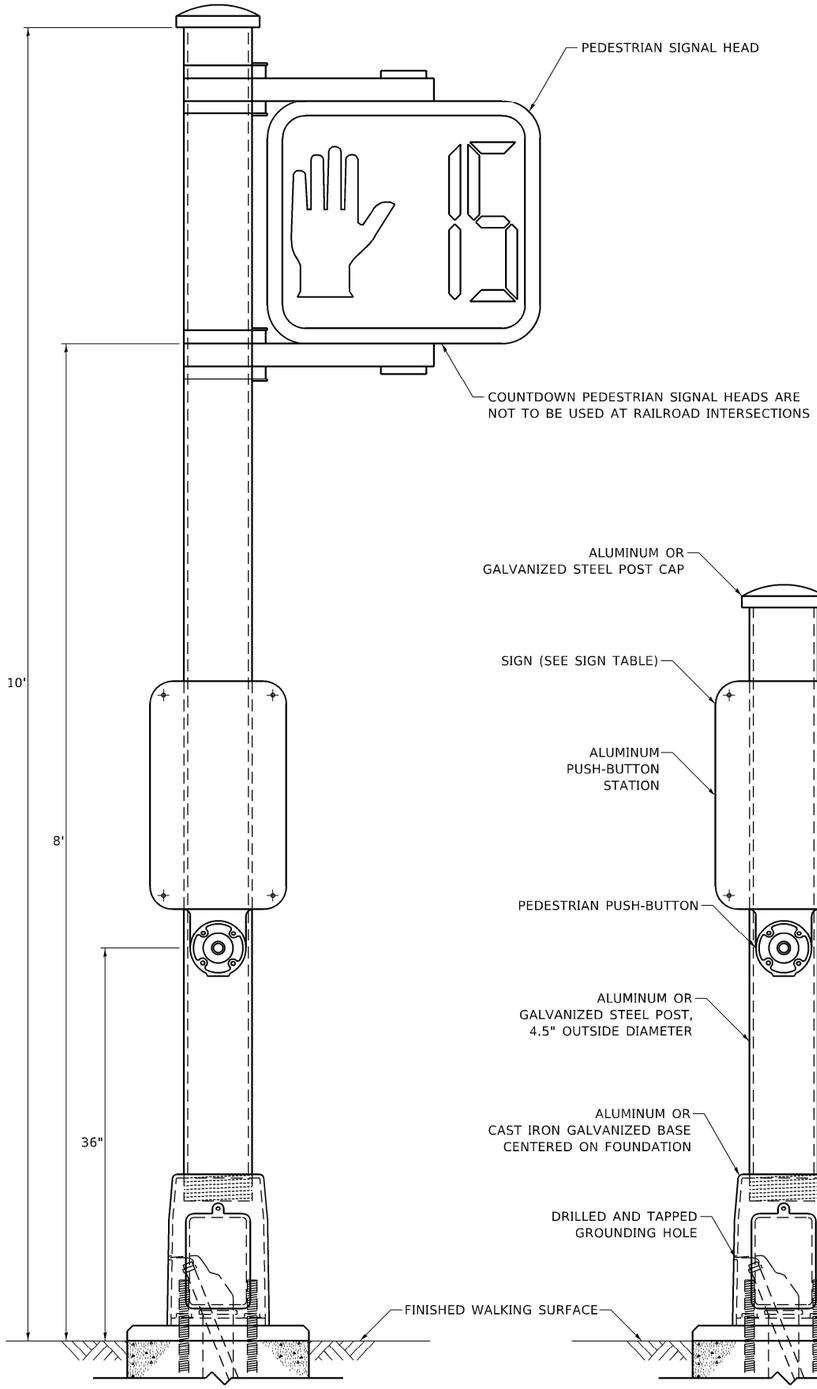

## BOLT PATTERN

NOTE:

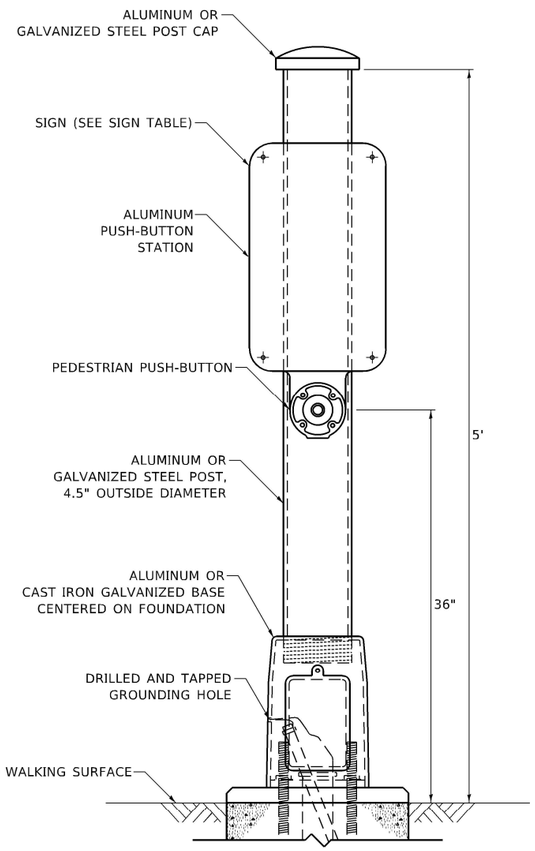
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.




## CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER




## PEDESTRIAN SIGNAL POST, 10 FT.




## PEDESTRIAN SIGNAL POST, 5 FT.




R10-3b R10-3d R10-3e

## SIGN TABLE

| SIGN | DIMENSIONS |
|---|---|
| R10-3b (RAILROAD ONLY) | 9" X 12" |
| R10-3d (RAILROAD ONLY) | 9" X 12" |
| R10-3e | 9" X 15" |

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

MODEL: Default
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| | | | |
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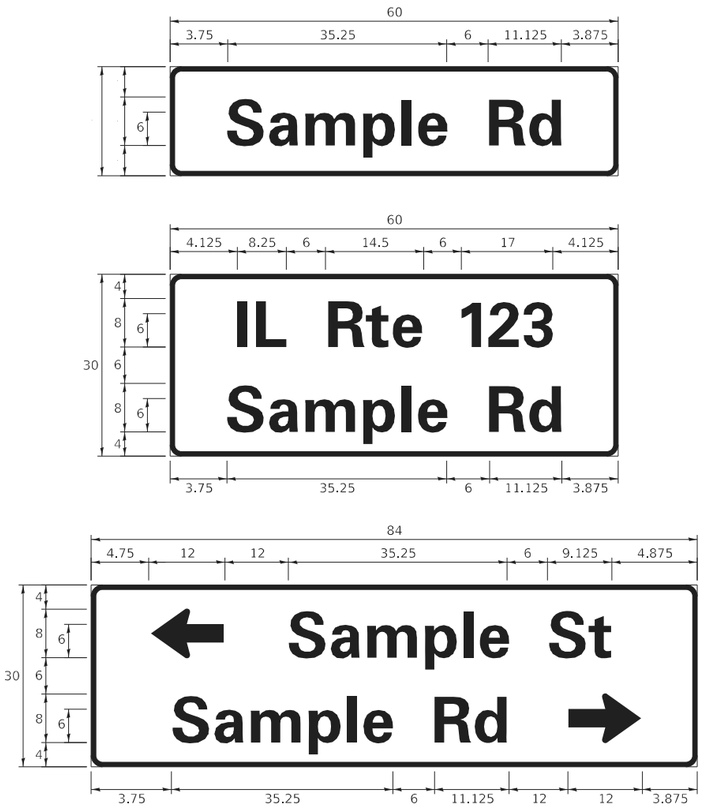
| USER NAME = plascenciai | DESIGNED - IP | REVISED - 10/15/2020 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - IP | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - LP | REVISED - | |
| PLOT DATE = 11/17/2020 | DATE - 10/15/2018 | REVISED - | |

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 81 |
| | TS–05 | CONTRACT NO. 62K02 | | |
| | | 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 | - |

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## COMMON STREET NAME ABBREVIATIONS AND WIDTHS

| NAME | ABBREVATION | 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

1. 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.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS 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.
4. 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.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. 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

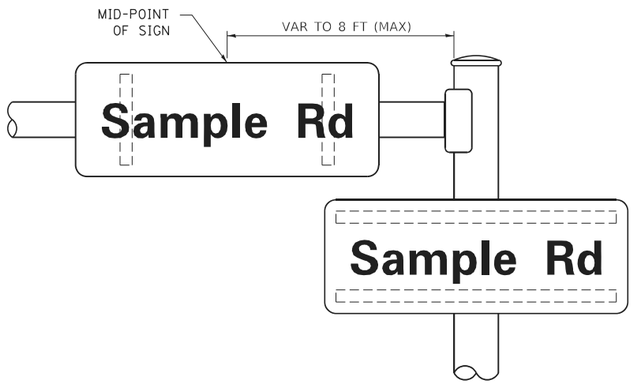
PARTS LISTING:

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

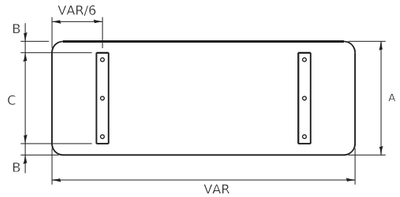
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

## MOUNTING LOCATION

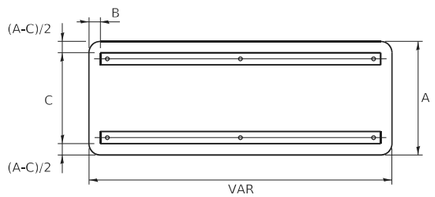
ARM OR POLE MOUNTED




## 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

| FHWA SERIES "C" | | | | FHWA SERIES "D" | | | |
|---|---|---|---|---|---|---|---|
| CHARACTER | 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 |
| | | | | | | | |

TS SHT NO. 8

MODEL: Default
FILE NAME: pw:\\U084E8BIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1Std22x34\CADData\CADSheets\ts02.dgn

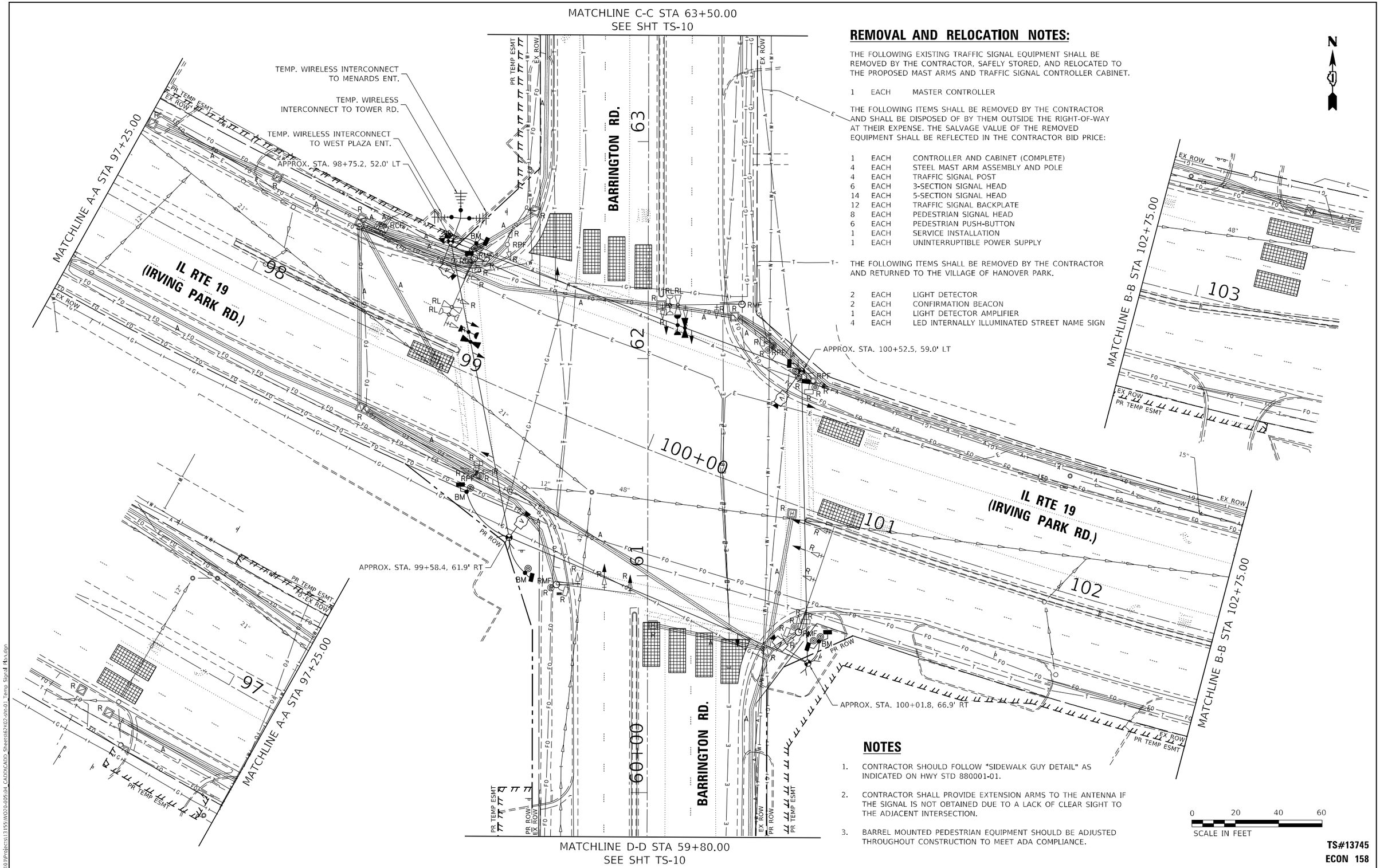
| | | | |
|---|---|---|---|
| USER NAME = footem} | DESIGNED - LP/IP | REVISED - LP 07/01/2015 | |
| | DRAWN - LP | REVISED - | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - IP | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - 10/01/2014 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**MAST ARM MOUNTED STREET NAME SIGNS**

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

| F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 82 |
| | TS-02 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER CABINET.

1 EACH MASTER CONTROLLER

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 CONTRACTOR BID PRICE:

| | | |
|---|---|---|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE) |
| 4 | EACH | STEEL MAST ARM ASSEMBLY AND POLE |
| 4 | EACH | TRAFFIC SIGNAL POST |
| 6 | EACH | 3-SECTION SIGNAL HEAD |
| 14 | EACH | 5-SECTION SIGNAL HEAD |
| 12 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD |
| 6 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | SERVICE INSTALLATION |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY |

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE OF HANOVER PARK.

| | | |
|---|---|---|
| 2 | EACH | LIGHT DETECTOR |
| 2 | EACH | CONFIRMATION BEACON |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |
| 4 | EACH | LED INTERNALLY ILLUMINATED STREET NAME SIGN |

## NOTES

1. CONTRACTOR SHOULD FOLLOW "SIDEWALK GUY DETAIL" AS INDICATED ON HWY STD 880001-01.
2. CONTRACTOR SHALL PROVIDE EXTENSION ARMS TO THE ANTENNA IF THE SIGNAL IS NOT OBTAINED DUE TO A LACK OF CLEAR SIGHT TO THE ADJACENT INTERSECTION.
3. BARREL MOUNTED PEDESTRIAN EQUIPMENT SHOULD BE ADJUSTED THROUGHOUT CONSTRUCTION TO MEET ADA COMPLIANCE.

TS#13745
ECON 158

TS SHT NO. 09

MODEL: Default
FILE NAME: \\dc101\Projects\13155\WO20-005\04_CADD\CADD_Sheets\62K02-sht-01_Temp Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

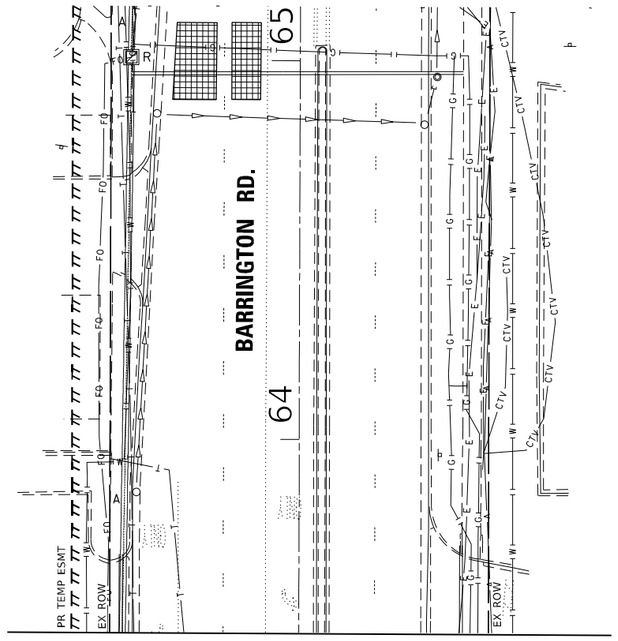
| | | | |
|---|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - | |
| | DRAWN - GS | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - MG | REVISED - | |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN (SHEET 1 OF 2)
PRE-STAGE & STAGE 1
IL ROUTE 19 AT BARRINGTON ROAD

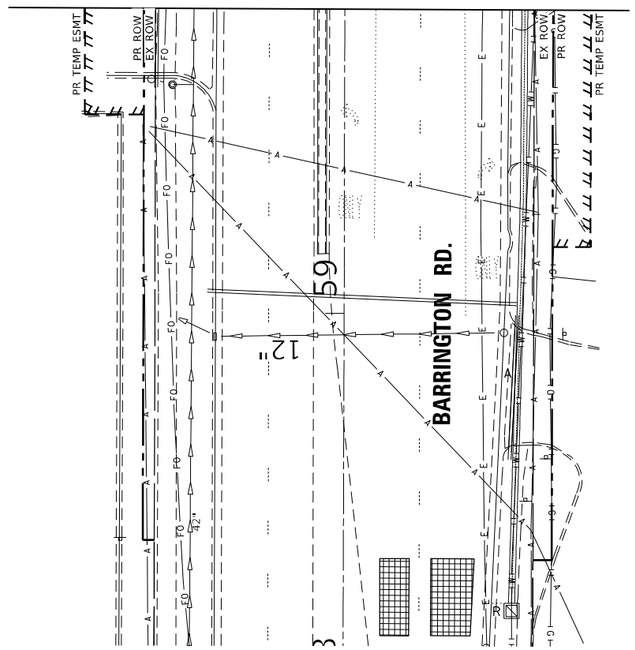
SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 83 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




MATCHLINE C-C STA 63+50.00
SEE SHT TS-09

MATCHLINE D-D STA 59+75.00
SEE SHT TS-09




N

0 20 40 60
SCALE IN FEET

TS#13745
ECON 158

TS SHT NO. 10

MODEL: Default
FILE NAME: \\dc101\Projects\13155\W020-00504_CADD\CADD_Sheets\62K02-sht-02_Temp Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

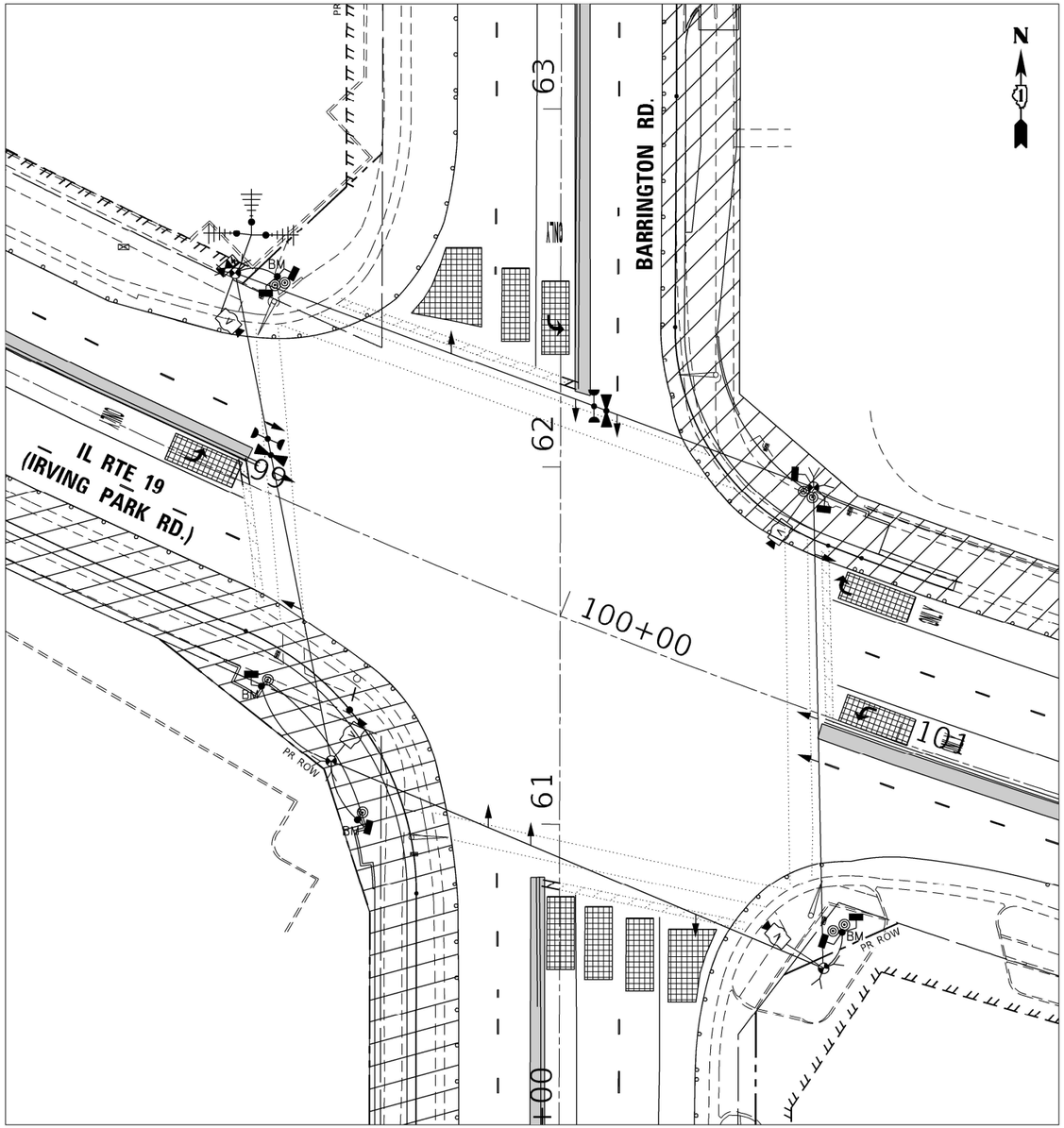
| | | |
|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

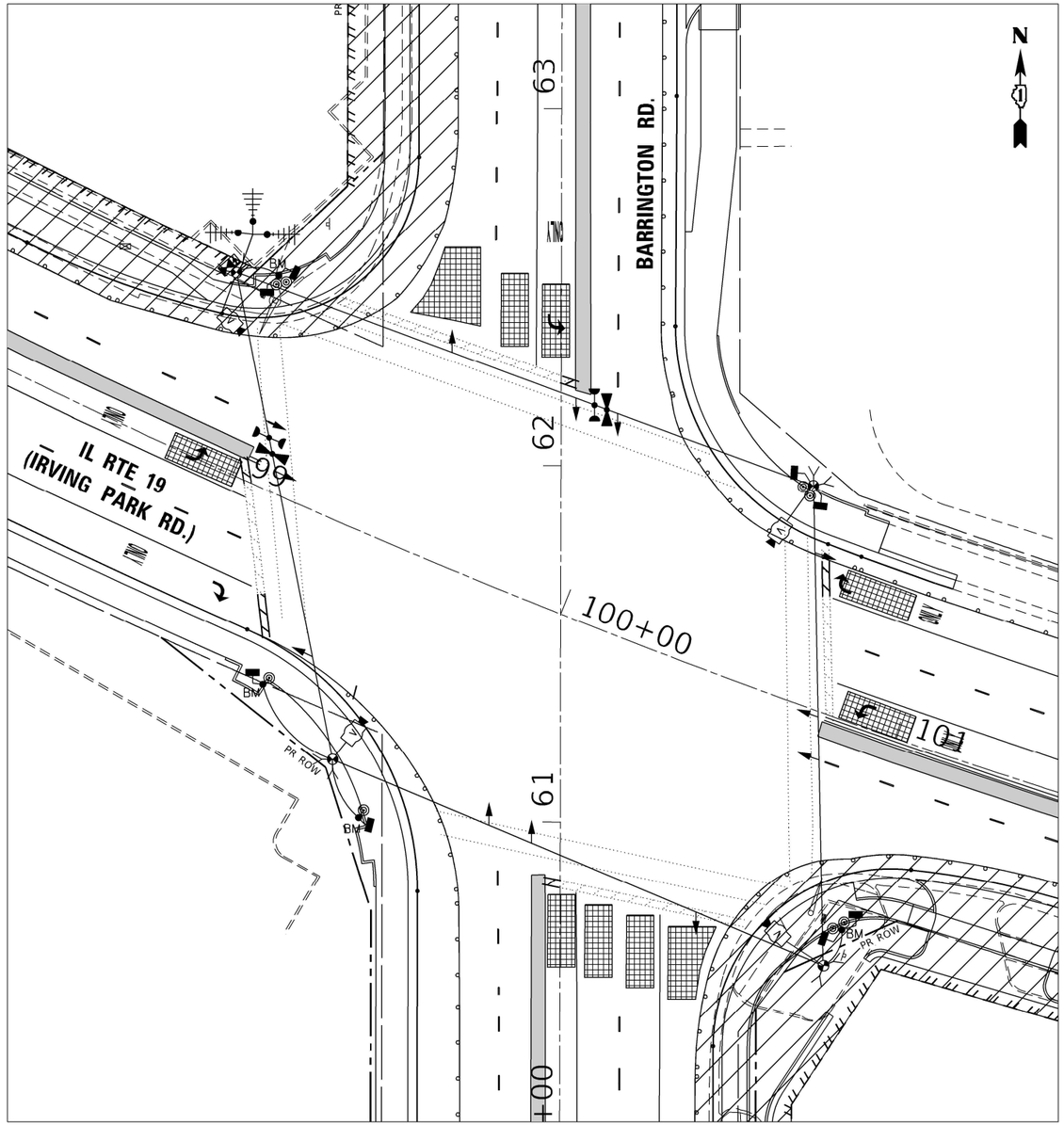
**TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN (SHEET 2 OF 2)**
**PRE-STAGE & STAGE 1**
**IL ROUTE 19 AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 84 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




STAGE 1A




STAGE 1B

0 20 40 60
SCALE IN FEET

**TS#13745**
**ECON 158**

**TS SHT NO. 11**

MODEL: Default
FILE NAME: \\dc10\Projects\13155\WO20-005.04_CADD\CADD_Sheets\62K02-sht-03_Temp_Signal_Plan.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

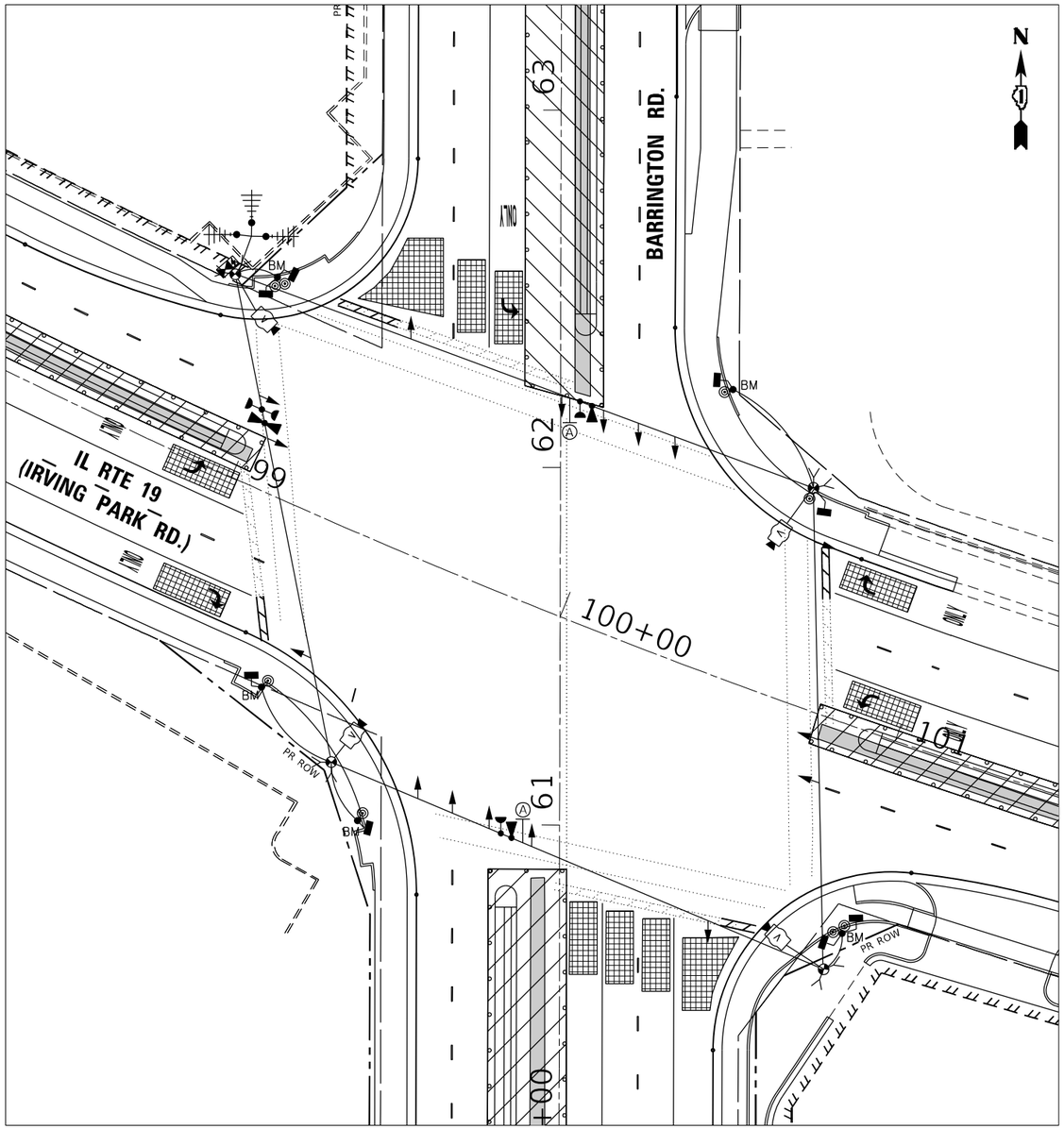
| | | | |
|---|---|---|---|
| USER NAME = echol | DESIGNED - EEC | REVISED - | |
| | DRAWN - GS | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - MG | REVISED - | |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

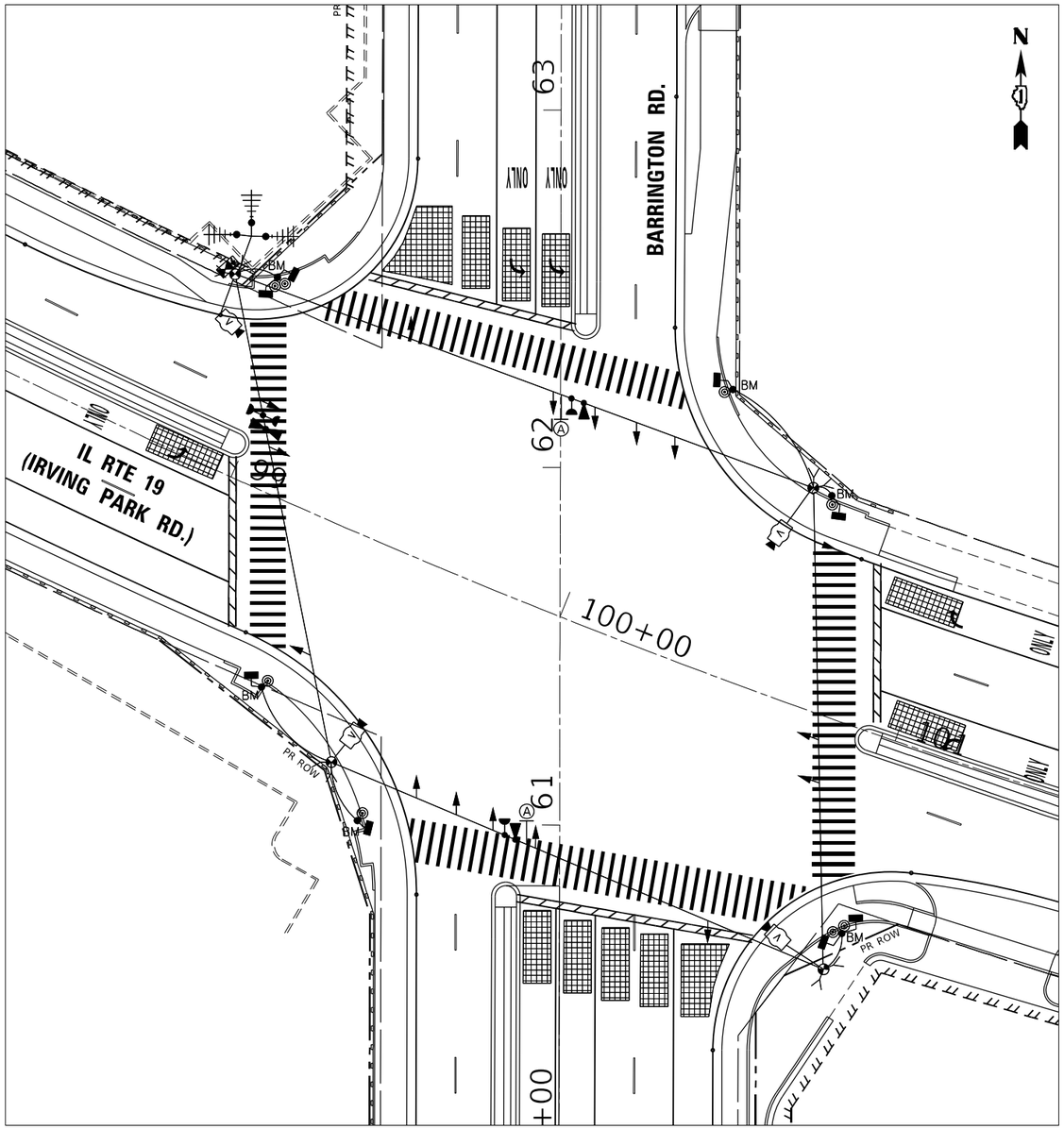
**TEMPORARY TRAFFIC SIGNAL PLAN**
**STAGE 1A & 1B**
**IL ROUTE 19 AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 85 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |




**STAGE 2**




**POST STAGE**

SIGN Ⓐ

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
(2 REQUIRED)

0 20 40 60
SCALE IN FEET

**TS#13745**
**ECON 158**

**TS SHT NO. 12**

MODEL: Default
FILE NAME: \\dc10\Projects\13155\W020-005\04_CADD\CADD_Sheets\62K02-sht-04_Temp_Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

| | | |
|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

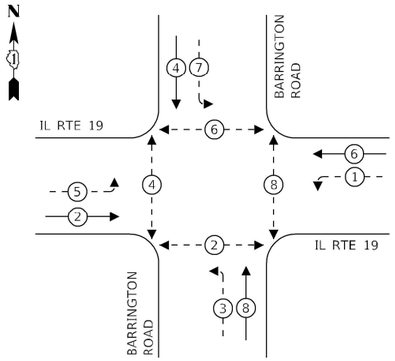
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN**
**STAGE 2 & POST-STAGE**
**IL ROUTE 19 AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 86 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

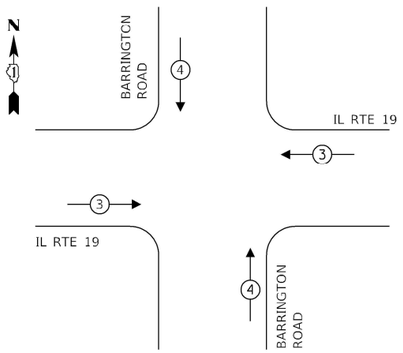
## TEMPORARY CONTROLLER SEQUENCE

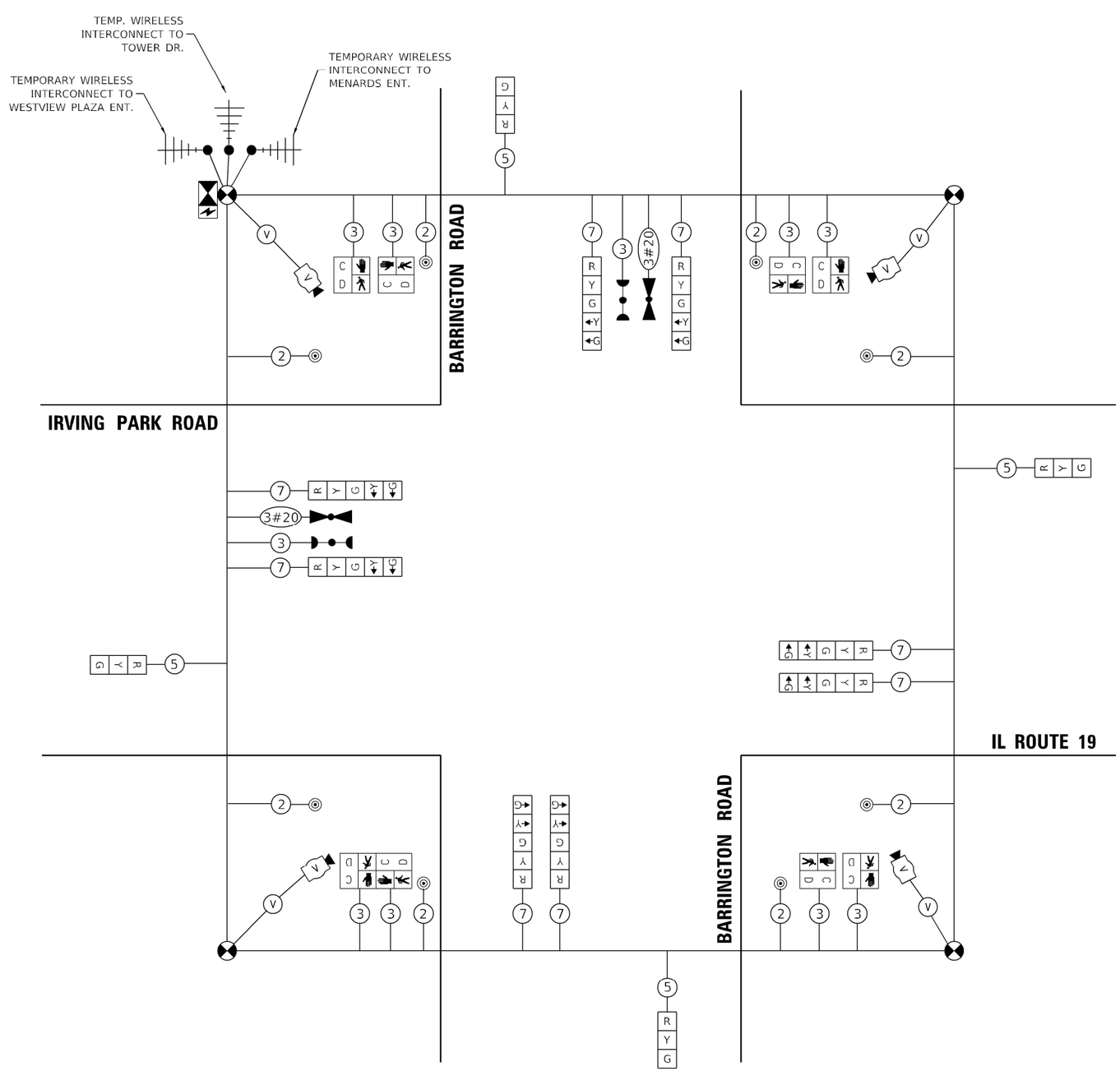



## LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

## TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE




## CABLE PLAN

(NOT TO SCALE)

## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|---|---|---|---|---|
| SIGNAL (RED) | 12 | 11 | 50 | 66.0 |
| (YELLOW) | 12 | 20 | 5 | 12.0 |
| (GREEN) | 12 | 12 | 45 | 64.8 |
| PERMISSIVE ARROW | 16 | 10 | 10 | 16.0 |
| PED. SIGNAL | 8 | 20 | 100 | 160.0 |
| 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 | - | 165 | 50 | - |
| | | | TOTAL = | 593.8 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTRAL COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: IDOT
TOWER ACCOUNT NUMBER: 69751-70057

TS SHT NO. 13

TS#13745
ECON 158

MODEL: Default
FILE NAME: \\dc101\Projects\13155\WO20-005\04_CADD\CADD_Sheets\62K02-sht-05_Temp_Cable_Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

| | | | |
|---|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - | |
| | DRAWN - GS | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - MG | REVISED - | |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

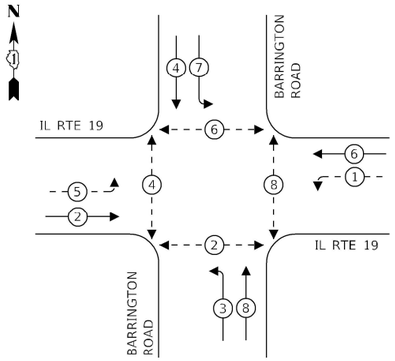
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE – PRE-STAGE, STAGE 1A & 1B
IL ROUTE 19 AT BARRINGTON ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 87 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

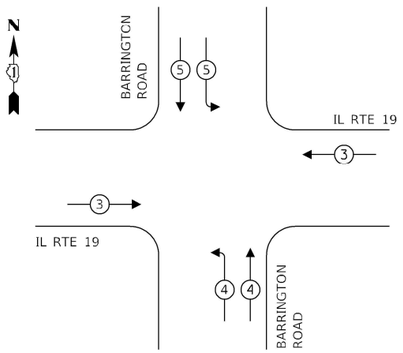
## TEMPORARY CONTROLLER SEQUENCE




## LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

## TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



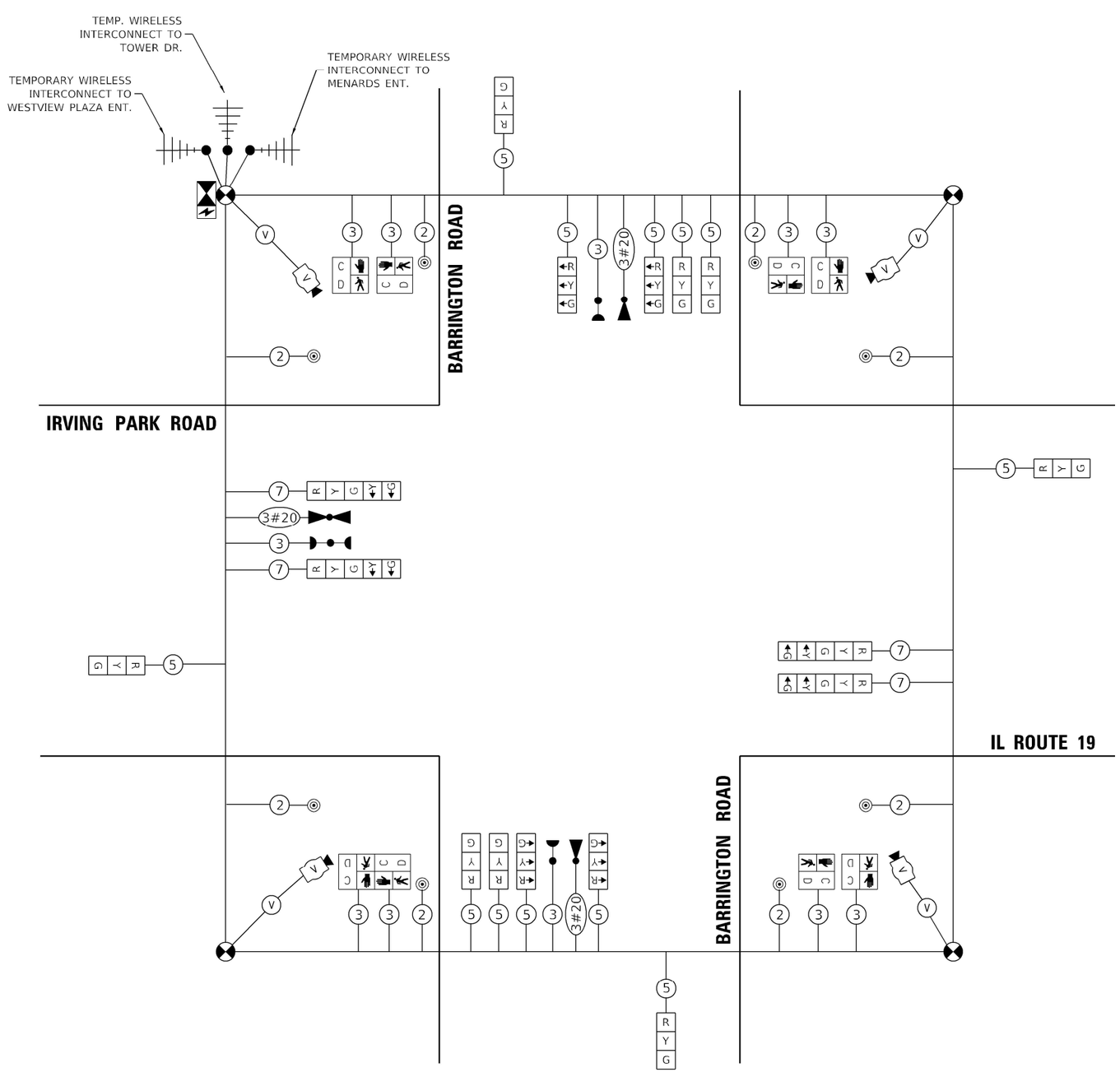

## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|---|---|---|---|---|
| SIGNAL (RED) | 16 | 11 | 50 | 88.0 |
| (YELLOW) | 16 | 20 | 5 | 16.0 |
| (GREEN) | 16 | 12 | 45 | 86.4 |
| PERMISSIVE ARROW | 8 | 10 | 10 | 8.0 |
| PED. SIGNAL | 8 | 20 | 100 | 160.0 |
| 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 | - | 165 | 50 | - |
| | | | TOTAL = | 704.8 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTRAL COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: IDOT
TOWER ACCOUNT NUMBER: 69751-70057




## CABLE PLAN
(NOT TO SCALE)

TS#13745
ECON 158

TS SHT NO. 14

MODEL: Default
FILE NAME: \\dc10\Projects\13155\W020-2056\04 CADD\CADD Sheets\62K02-sht-06 Temp Cable Plan.dgn

| | | | | |
|---|---|---|---|---|
| SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS | USER NAME = echoi | DESIGNED - EEC | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | | DRAWN - GS | REVISED - | |
| | PLOT SCALE = 2.0000 ' / in. | CHECKED - MG | REVISED - | |
| | PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE – STAGE 2 & POST–STAGE IL ROUTE 19 AT BARRINGTON ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 88 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

MATCHLINE C-C STA 63+50.00
SEE SHEET TS-16

MATCHLINE A-A STA 97+25.00
SEE SHEET TS-16

MATCHLINE B-B STA 102+75.00
SEE SHEET TS-16

MATCHLINE D-D STA 59+80.00
SEE SHEET TS-16

## NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.
2. NORTHWEST SUBURBAN MUNICIPAL JOINT ACTION WATER AGENCY (NSMJAWA) EXISTING WATER MAIN PASSES ALONG THE EAST SIDE OF BARRINGTON ROAD, AND ALL NEW SIGNAL EQUIPMENT INSTALLATION SHALL MAINTAIN 5' CLEARANCE FROM THE WATER MAIN.
3. CONTRACTORS SHALL PAY SPECIAL CARE IN INSTALLING FAR OUT HANDHOLE ON SOUTH LEG OF BARRINGTON ROAD NOT TO DAMAGE THE EXISTING WATER MAIN UNDERNEATH THE SIDEWALK.
4. THE PROPOSED EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "3M" BRAND.

SIGN Ⓐ
LEFT ON GREEN ARROW ONLY
R10-5
30" x 36"
(4 REQUIRED)

SCALE IN FEET 0 20 40 60

TS#13745
ECON 158

TS SHT NO.15

MODEL: Default
FILE NAME: \\dc10\Projects\13155\W020-005\04_CADD\CADD_Sheets\62K02-sht-03_Prop_Signal Plan.dgn

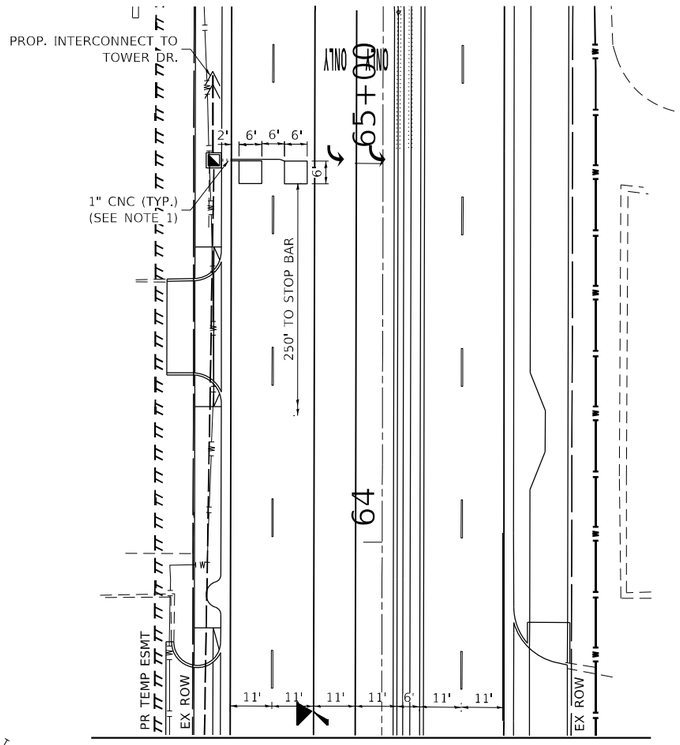
| | | | |
|---|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - GS | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - MG | REVISED - | |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

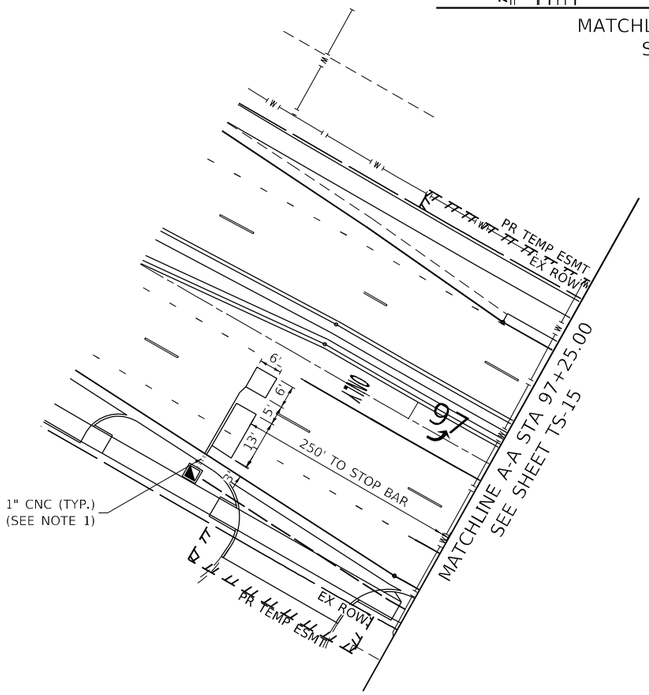
**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)**
**IL ROUTE 19 AT BARRINGTON ROAD**

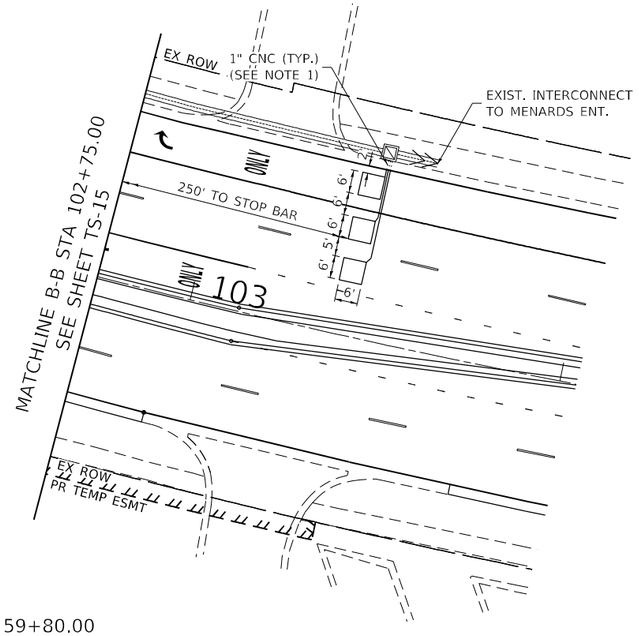
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 89 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

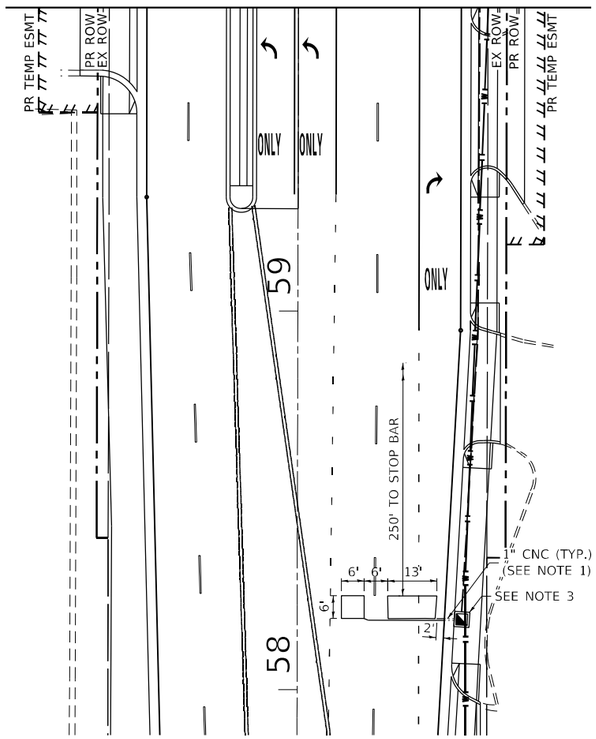



MATCHLINE C-C STA 63+50.00
SEE SHEET TS-15




MATCHLINE D-D STA 59+80.00
SEE SHEET TS-15




N

0 20 40 60
SCALE IN FEET

**TS#13745**
**ECON 158**

TS SHT NO. 16

MODEL: Default
FILE NAME: \\dc101\Projects\13155\W020-005\04_CADD\CADD_Sheets\62K02-sht-08 Prop Signal Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

| | | |
|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

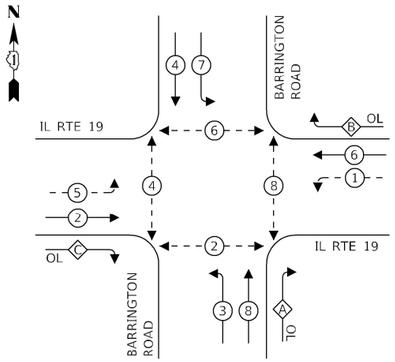
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)**
**IL ROUTE 19 AT BARRINGTON ROAD**

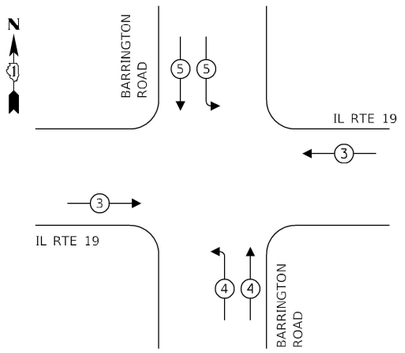
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 90 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## PROPOSED CONTROLLER SEQUENCE




## PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

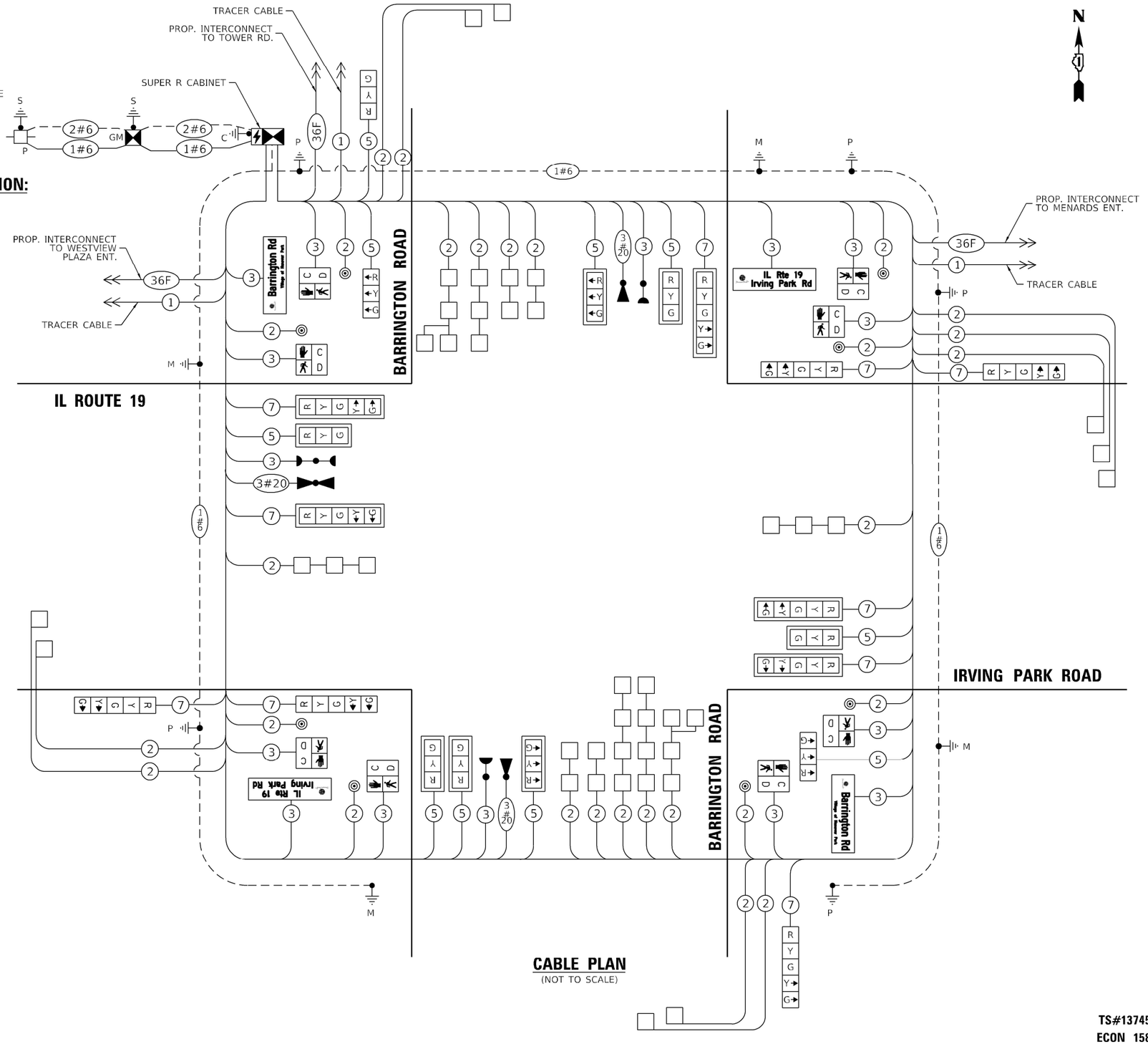



## LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

## OVERLAP PHASE DESIGNATION:

| OVERLAP LETTER | | PERMISSIVE PHASE | | PROTECTED PHASE |
|---|---|---|---|---|
| A | = | 8 | + | 1 |
| B | = | 6 | + | 7 |
| C | = | 2 | + | 3 |




## CABLE PLAN

(NOT TO SCALE)

## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|---|---|---|---|---|
| SIGNAL (RED) | 20 | 11 | 50 | 110.0 |
| (YELLOW) | 20 | 20 | 5 | 20.0 |
| (GREEN) | 20 | 12 | 45 | 108.0 |
| PERMISSIVE ARROW | 20 | 10 | 10 | 20.0 |
| PED. SIGNAL | 8 | 20 | 100 | 160.0 |
| CONTROLLER | 1 | 100 | 100 | 100.0 |
| UPS | 1 | 25 | 100 | 25.0 |
| VIDEO SYSTEM | - | 150 | 100 | - |
| BLANK-OUT SIGN | - | 25 | 5 | - |
| FLASHER | - | - | 50 | - |
| STREET NAME SIGN | 4 | 120 | 50 | 240 |
| LUMINAIRE | - | 165 | 50 | - |
| | | | TOTAL = | 783.0 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTRAL COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: IDOT
TOWER ACCOUNT NUMBER: 69751-70057

TS SHT NO. 17

TS#13745
ECON 158

MODEL: Default
FILE NAME: \\dc101\Projects\13155\WO20-005\04_CADD\CADD_Sheets\62K02-sht-09_Prop Cable Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

| | | | |
|---|---|---|---|
| USER NAME = echol | DESIGNED - EEC | REVISED - | |
| | DRAWN - GS | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - MG | REVISED - | |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

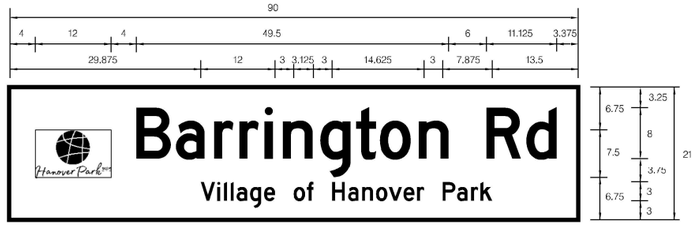
PROPOSED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 19 AT BARRINGTON ROAD

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 91 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

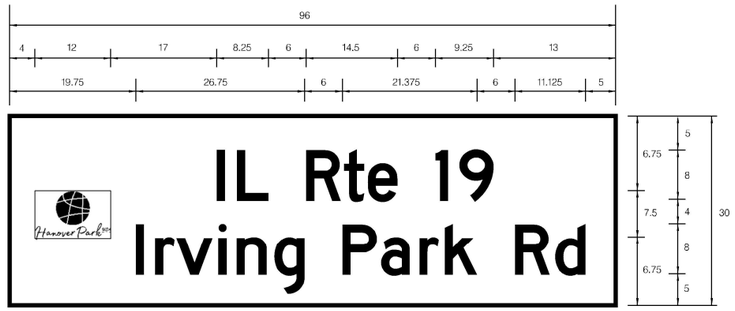
## LED INTERNALLY ILLUMINATED SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE




BORDER, R=2.25", TH=1.5" BLACK ON GREEN

| DESIGN SERIES | AREA (SQ FT) | QTY. REQUIRED |
|---|---|---|
| D | 13.125 | 2 |




BORDER, R=1.875", TH=1.5" BLACK ON GREEN

| DESIGN SERIES | AREA (SQ FT) | QTY. REQUIRED |
|---|---|---|
| D | 20 | 2 |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

## SCHEDULE OF QUANTITIES

| | ITEM DESCRIPTION | UNITS | TOTAL QTY |
|---|---|---|---|
| | SIGN PANEL - TYPE 1 | SQ FT | 30 |
| | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 1237 |
| | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 145 |
| | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 564 |
| | HANDHOLE | EACH | 4 |
| | HEAVY-DUTY HANDHOLE | EACH | 4 |
| | DOUBLE HANDHOLE | EACH | 3 |
| * | PAINT NEW TRAFFIC SIGNAL POST | EACH | 4 |
| * | PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT | EACH | 1 |
| * | PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER | EACH | 3 |
| | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1550 |
| | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 2200 |
| | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 2200 |
| | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 2340 |
| | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 6124 |
| | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 120 |
| | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 950 |
| | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 4 |
| | STEEL MAST ARM ASSEMBLY AND POLE, 32 FT. | EACH | 1 |
| | STEEL MAST ARM ASSEMBLY AND POLE, 40 FT. | EACH | 1 |
| | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 |
| | STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 1 |
| | CONCRETE FOUNDATION, TYPE A | FOOT | 20 |
| | CONCRETE FOUNDATION, TYPE C | FOOT | 4 |
| | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 14 |
| | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 41 |
| | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 7 |
| | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 3 |
| | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 5 |
| | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 5 |
| | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 8 |
| | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 12 |
| | INDUCTIVE LOOP DETECTOR | EACH | 20 |
| | DETECTOR LOOP, TYPE I | FOOT | 1810 |
| * | LIGHT DETECTOR | EACH | 3 |
| * | LIGHT DETECTOR AMPLIFIER | EACH | 1 |
| | PEDESTRIAN PUSH-BUTTON | EACH | 8 |
| | TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| | REMOVE EXISTING HANDHOLE | EACH | 11 |
| | REMOVE EXISTING DOUBLE HANDHOLE | EACH | 2 |
| | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 9 |
| * | LED INTERNALLY ILLUMINATED STREET NAME SIGN | EACH | 4 |
| * | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 623 |
| | FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL) | EACH | 1 |
| | SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 |
| | PEDESTRIAN SIGNAL POST, 10 FT. | EACH | 1 |
| * | ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW | FOOT | 898 |
| | CONDUIT SPLICE | EACH | 1 |
| | UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |
| | CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER | FOOT | 4 |
| | RELOCATE EXISTING MASTER CONTROLLER | EACH | 1 |
| | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |

* 100% COST TO THE VILLAGE OF HANOVER PARK

TS SHT NO. 18

TS#13745
ECON 158

MODEL: Default
FILE NAME: \\dc10\UProjects\13155\W020-005\04 CADD\CADD Sheets\62K02-sht-10-SOQ.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

| | | | |
|---|---|---|---|
| USER NAME = echoi | DESIGNED - EEC | REVISED - | |
| | DRAWN - GS | REVISED - | |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - MG | REVISED - | |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES**
**IL ROUTE 19 AND BARRINGTON ROAD**

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 92 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MATCHLINE STA A-A

MATCHLINE STA B-B

WESTVIEW PLAZA ENT

TEMP. WIRELESS INTERCONNECT TO BARRINGTON RD

TEMP. WIRELESS INTERCONNECT TO TOWER RD

TEMP. WIRELESS INTERCONNECT TO THE WESTVIEW PLAZA ENT

TEMP. WIRELESS INTERCONNECT TO THE MENARDS ENT

BARRINGTON RD

TOWER DR

TEMP. WIRELESS INTERCONNECT TO IL19 (IRVING PARK RD)

BRISTOL LN

IL ROUTE 19 (IRVING PARK RD)

MENARDS ENT

TEMP. WIRELESS INTERCONNECT TO BARRINGTON RD

MATCHLINE STA A-A

MATCHLINE STA B-B

0 50 100 150

SCALE IN FEET

N

ECON 158

TS SHT NO. 19

MODEL: Default
FILE NAME: \\dc10\Projects\13155\WO20-005\04_CAD\CADD_Sheets\62k02-sht-11_Temp_Interconnect_Plan.dgn

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

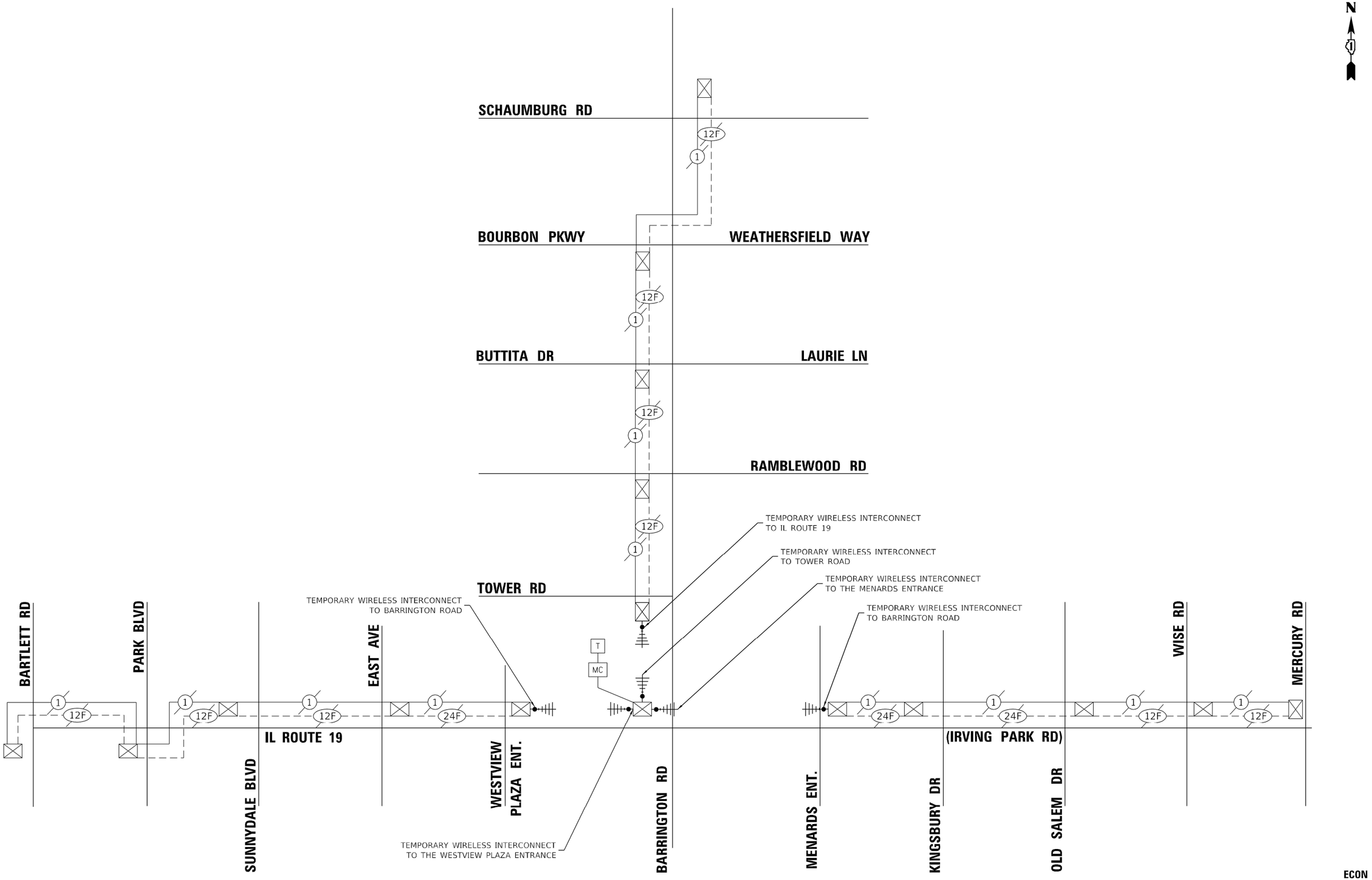
| | | |
|---|---|---|
| USER NAME = echol | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**
**IL ROUTE 19 AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 93 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




TS SHT NO. 20

ECON 158

MODEL: Default
FILE NAME: \\dc101\Projects\13151\W020-005104_CADD\CADD_Sheets\62K02-sht-12_Temp Interconnect Schematic.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

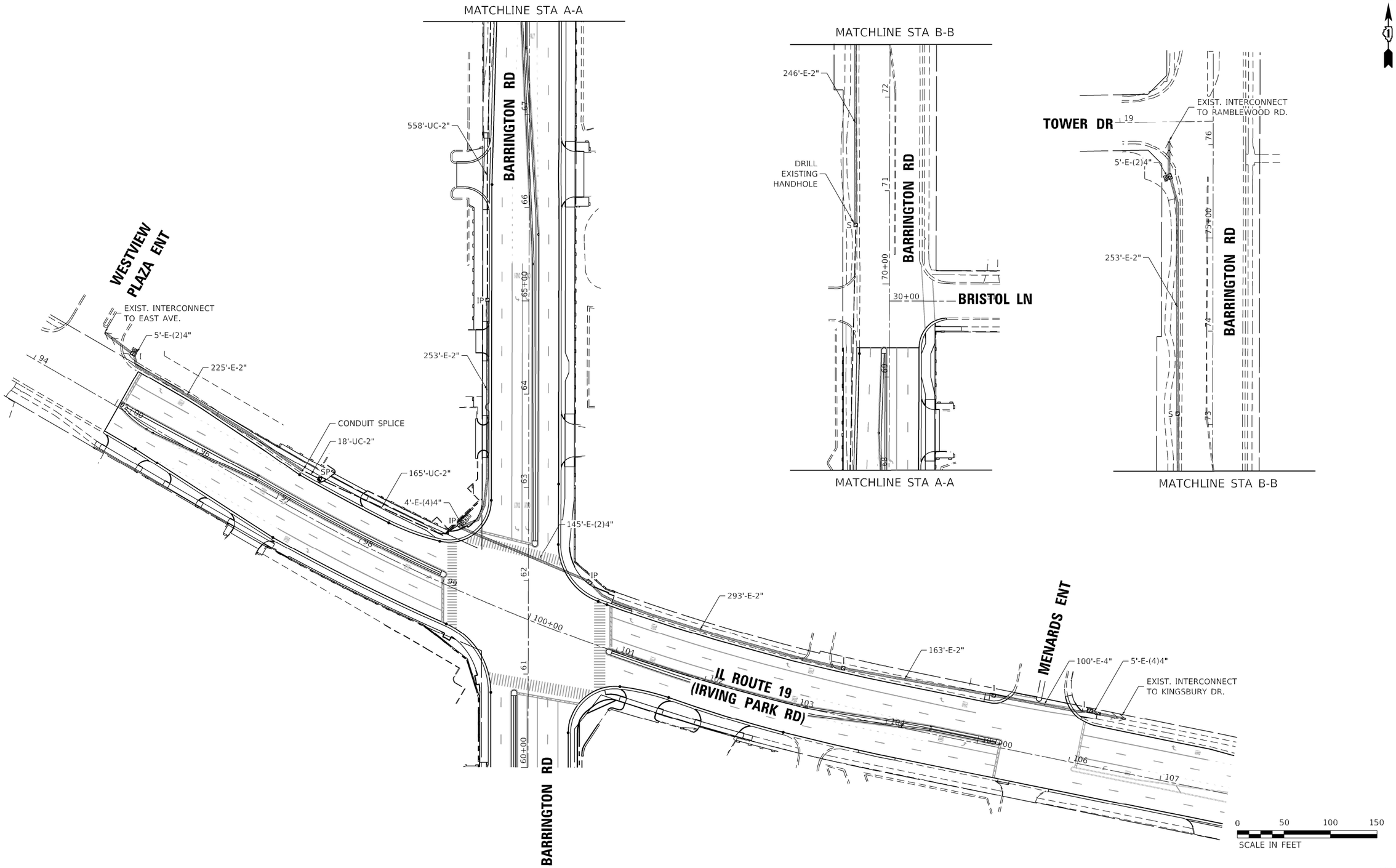
| | | |
|---|---|---|
| USER NAME = echol | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**TERMPORARY INTERCONNECT SCHEMATIC**
**IL ROUTE 19 AT BARRINGTON ROAD**

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 94 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




TS SHT NO. 21

ECON 158

MODEL: Default
FILE NAME: \dc101\Projects\13155\W020-005\04_CADD\CADD_Sheets\62X02-sht-13_Prop Interconnect Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

| | | |
|---|---|---|
| USER NAME = echol | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN**
**IL ROUTE 19 AT BARRINGTON ROAD**

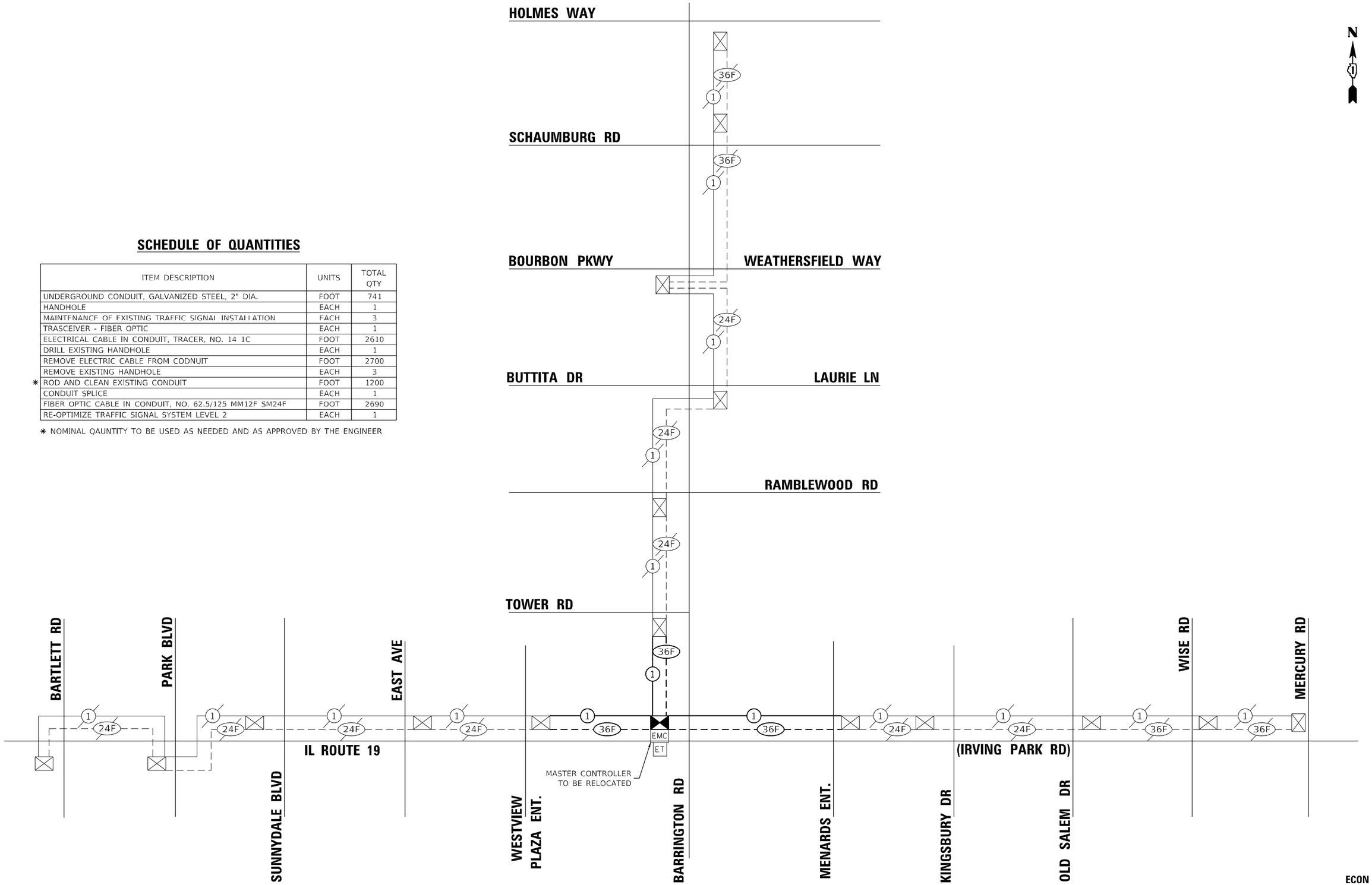
SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 95 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## SCHEDULE OF QUANTITIES

| | ITEM DESCRIPTION | UNITS | TOTAL QTY |
|---|---|---|---|
| | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 741 |
| | HANDHOLE | EACH | 1 |
| | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 3 |
| | TRASCEIVER - FIBER OPTIC | EACH | 1 |
| | ELECTRICAL CABLE IN CONDUIT, TRACER, NO. 14 1C | FOOT | 2610 |
| | DRILL EXISTING HANDHOLE | EACH | 1 |
| | REMOVE ELECTRIC CABLE FROM CODNUIT | FOOT | 2700 |
| | REMOVE EXISTING HANDHOLE | EACH | 3 |
| * | ROD AND CLEAN EXISTING CONDUIT | FOOT | 1200 |
| | CONDUIT SPLICE | EACH | 1 |
| | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F | FOOT | 2690 |
| | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2 | EACH | 1 |

* NOMINAL QAUNTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER




ECON 158

TS SHT NO. 22

MODEL: Default
FILE NAME: \\dc10\Projects\1355\W020-005\04 CADD\CADD Sheets\62K02-sht-14 Prop Interconnect Schematic.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

| | | |
|---|---|---|
| USER NAME = echol | DESIGNED - EEC | REVISED - |
| | DRAWN - GS | REVISED - |
| PLOT SCALE = 2.0000 ' / in. | CHECKED - MG | REVISED - |
| PLOT DATE = 5/5/2021 | DATE - 05/05/2021 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC**
**IL ROUTE 19 AT BARRINGTON ROAD**

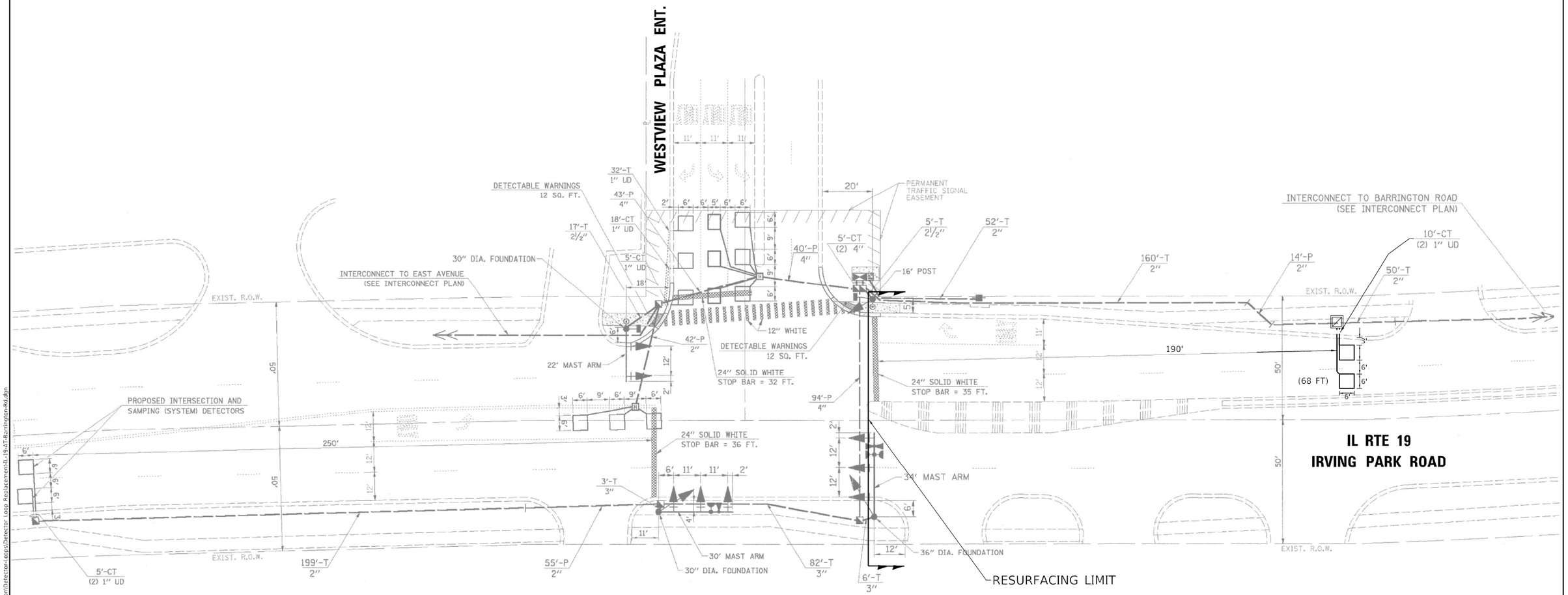
SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 96 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP."

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 |
|---|---|---|---|
| 88600100 | DETECTOR LOOP TYPE 1 | 68 | FOOT |

**TS 13756**
**ECON 158**

TS SHT NO. 23

MODEL: Default
FILE NAME: S:\WP\Design KK\Consultant\Projects\62K02-IL-19-@-Barrington-Rd-Traffic-Signal-modernization\Detector-Loops\Detector Loop Replacement-IL-19-AT-Barrington-Rd.dgn

| | | | |
|---|---|---|---|
| USER NAME = kobylkaka | DESIGNED - KK | REVISED - | |
| | DRAWN - KK | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - LP | REVISED - | |
| PLOT DATE = 11/18/2020 | DATE - 10/10/2020 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN**
**IL RTE 19 (IRVING PARK RD) AT WESTVIEW PLAZA ENT.**

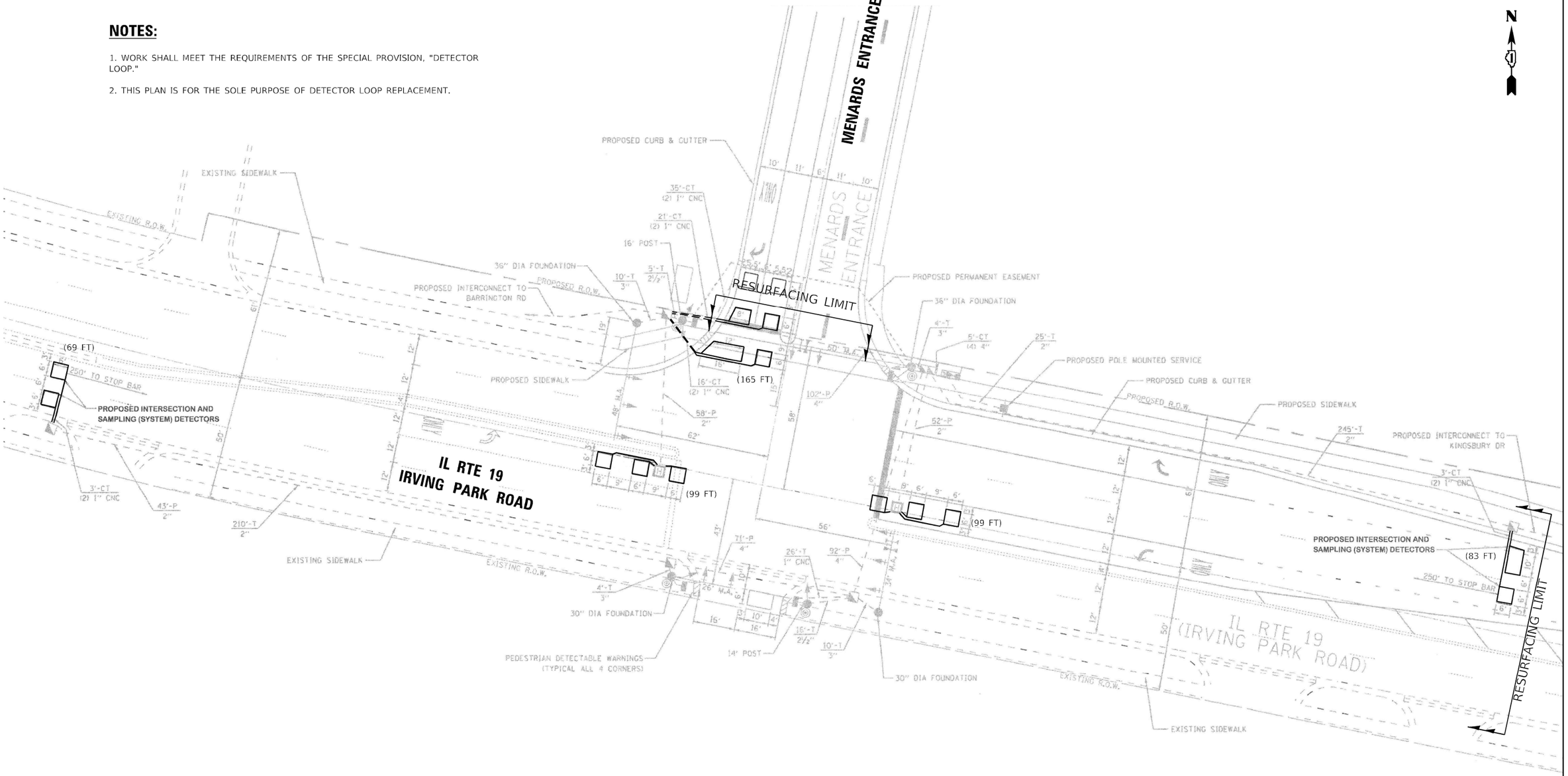
SCALE: 1":20' | SHEET OF SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 97 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP."

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 |
|---|---|---|---|
| 88600100 | DETECTOR LOOP TYPE 1 | 515 | FOOT |

**TS 13750**
**ECON 158**

TS SHT NO. 24

MODEL: Default
FILE NAME: S:\WP\Design\KK\Consultant-Projects\62K02-IL-19-@-Barrington-Rd-Traffic-Signalmodernization\Detector-Loops\Detector Loop Replacement-IL-19-AT-Barrington-Rd.dgn

| | | | |
|---|---|---|---|
| USER NAME = kobylkaka | DESIGNED - KK | REVISED - | |
| | DRAWN - KK | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - LP | REVISED - | |
| PLOT DATE = 11/18/2020 | DATE - 10/10/2020 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN**
**IL RTE 19 (IRVING PARK RD) AT MENARDS ENT.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 98 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## LEGEND

RELOCATED POLE, 47.5' MH, 15' MA, WITH NEW TYPE H , LED LUMINAIRE

NEW LIGHTING UNIT WITH DUAL MAST ARM AND LUMINAIRES

EXISTING LIGHT POLE, WITH NEW TYPE H, LED LUMINAIRE

EXISTING LIGHT POLE TO BE RELOCATED

EXISTING LIGHTING CONTROLLER

EXISTING LIGHTING CABLES IN UNDERGROUND DUCT TO REMAIN IN PLACE

UNIT DUCT, SIZE AS INDICATED ON THE PLANS

EXISTING CONDUIT, SIZE AS INDICATED ON THE PLANS

PROPOSED CONDUIT, SIZE AS INDICATED ON THE PLANS

## CALL-OUT SAMPLES

| DEFINITION | EXAMPLE |
|---|---|
| POLE IDENTIFICATION LOCATION SETBACK FROM FACE OF CURB TO CENTER OF POLE. | A 1592 STA. 213+00 SETBACK 3' |
| CONDUIT LENGTH-SIZE, TYPE | 50'-3" DIA. RGS |
| CONDUCTORS RACEWAY | 3-1C#4, 1/C#6 GND, 1¼" DIA. UNIT DUCT |

## ABBREVIATIONS

| SYMBOL | DESCRIPTION |
|---|---|
| AC | ALTERNATING CURRENT |
| A/C | AERIAL CABLE |
| AFG | ABOVE FINISHED GRADE |
| CB | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| CM | CENTIMETER |
| CNC | COILABLE NONMETALLIC CONDUIT |
| CT | CURRENT TRANSFORMER |
| CP | CONTROL PANEL |
| DA | DAVIT ARM |
| DC | DIRECT CURRENT |
| DIA | DIAMETER |
| DP | DISTRIBUTION PANEL |
| E | EXISTING UNIT TO REMAIN |
| ECA | ELECTRIC CABLE ASSEMBLY |
| EM | EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) |
| ER | EXISTING RELOCATED UNIT |
| ET | EXISTING TEMPORARY UNIT TO REMAIN |
| ETR | EXISTING TEMPORARY RELOCATED UNIT |
| FT | FEET OR FOOT |
| FND BW | FOUNDATION BARRIER WALL |
| FND BW OS | FOUNDATION BARRIER WALL OFFSET |
| FND CON | FOUNDATION CONCRETE |
| FND CON OS | FOUNDATION CONCRETE OFFSET |
| FND MET | FOUNDATION METAL |
| FND PW | FOUNDATION PARAPET WALL |
| FU | FUSE |
| GND | GROUND |
| HID | HIGH INTENSITY DISCHARGE |
| JB | JUNCTION BOX |
| KVA | KILOVOLT-AMPERE |
| KW | KILOWATTS |
| LT | LEFT |
| MA | MAST ARM |
| MM | MILLIMETER |
| MH | MOUNTING HEIGHT |
| NO. # | NUMBER |
| P | PROPOSED |
| PB | PUSH BUTTON |
| PNL | PANEL |
| PVCC RGC | PVC COATED RIGID GALVANIZED CONDUIT |
| PT | POTENTIAL TRANSFORMER |
| R | EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.) |
| RT | RIGHT |
| RECP | RECEPTACLE |
| RGC | RIGID GALVANIZED CONDUIT |
| RGS | RIGID GALVANIZED STEEL |
| SEL SW | SELECTOR SWITCH |
| SPARE | SPARE |
| SPACE | SPACE |
| SS | STAINLESS STEEL |
| STA | STATION |
| T | TEMPORARY LIGHTING UNIT |
| TB | TRANSFORMER BASE |
| TMP | TEMPORARY |
| TR | TEMPORARY UNIT TO BE REMOVED. SALVAGE EQUIPMENT AS SPECIFIED |
| TRR | TEMPORARY UNIT TO BE REMOVED AND RELOCATED |
| TUR | TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED |
| UD | UNIT DUCT |
| U.N.O. | UNLESS NOTED OTHERWISE |
| WP | WOOD POLE |
| XFMR | TRANSFORMER |

## GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS, WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
3. ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
4. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION).
5. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRES IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
7. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
8. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
9. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND ITEM. REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING LIGHTING CIRCUITS DURING CONSTRUCTION AND UNTIL THE WORK IS COMPLETED AND THE LIGHT POLES ARE RELOCATED AND OPERATIONAL.
11. ALL POLE SETBACK ARE MEASURED FROM THE FACE OF CURB UNLESS OTHERWISE NOTED.
12. ALL LUMINAIRES REPLACED WITH NEW LED TYPE H FIXTURES. REMOVAL OF THE OLD LUMINAIRE SHALL BE INCIDENTAL TO THE NEW LUMINAIRE INSTALLATION.

## SUMMARY OF QUANTITIES

| PAY ITEM NO. | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|
| 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 729 |
| 81603032 | UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE | FOOT | 468 |
| 81603090 | UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE | FOOT | 2292 |
| 82110008 | LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H | EACH | 41 |
| 83050810 | LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM | EACH | 2 |
| 83600200 | LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 40 |
| 83600365 | LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8' | EACH | 13 |
| 83800205 | BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE | EACH | 3 |
| 84200500 | REMOVAL OF LIGHTING UNIT, SALVAGE | EACH | 2 |
| 84200804 | REMOVAL OF POLE FOUNDATION | EACH | 13 |
| 84400105 | RELOCATE EXISTING LIGHTING UNIT | EACH | 13 |
| 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 10104 |
| X0327485 | MAST ARM,STREET LIGHTING,15' | EACH | 2 |
| Z0033028 | MAINTENANCE OF LIGHTING SYSTEM | CAL MO | 6 |

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SUITE 306
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TEL.(773)774-5910

| | | |
|---|---|---|
| USER NAME = $USER$ | DESIGNED - MAA | REVISED - ____ |
| | DRAWN - LAR | REVISED - ____ |
| PLOT SCALE = $SCALE$ | CHECKED - MAA | REVISED - ____ |
| PLOT DATE = $DATE$ | DATE - 8/21/2020 | REVISED - ____ |

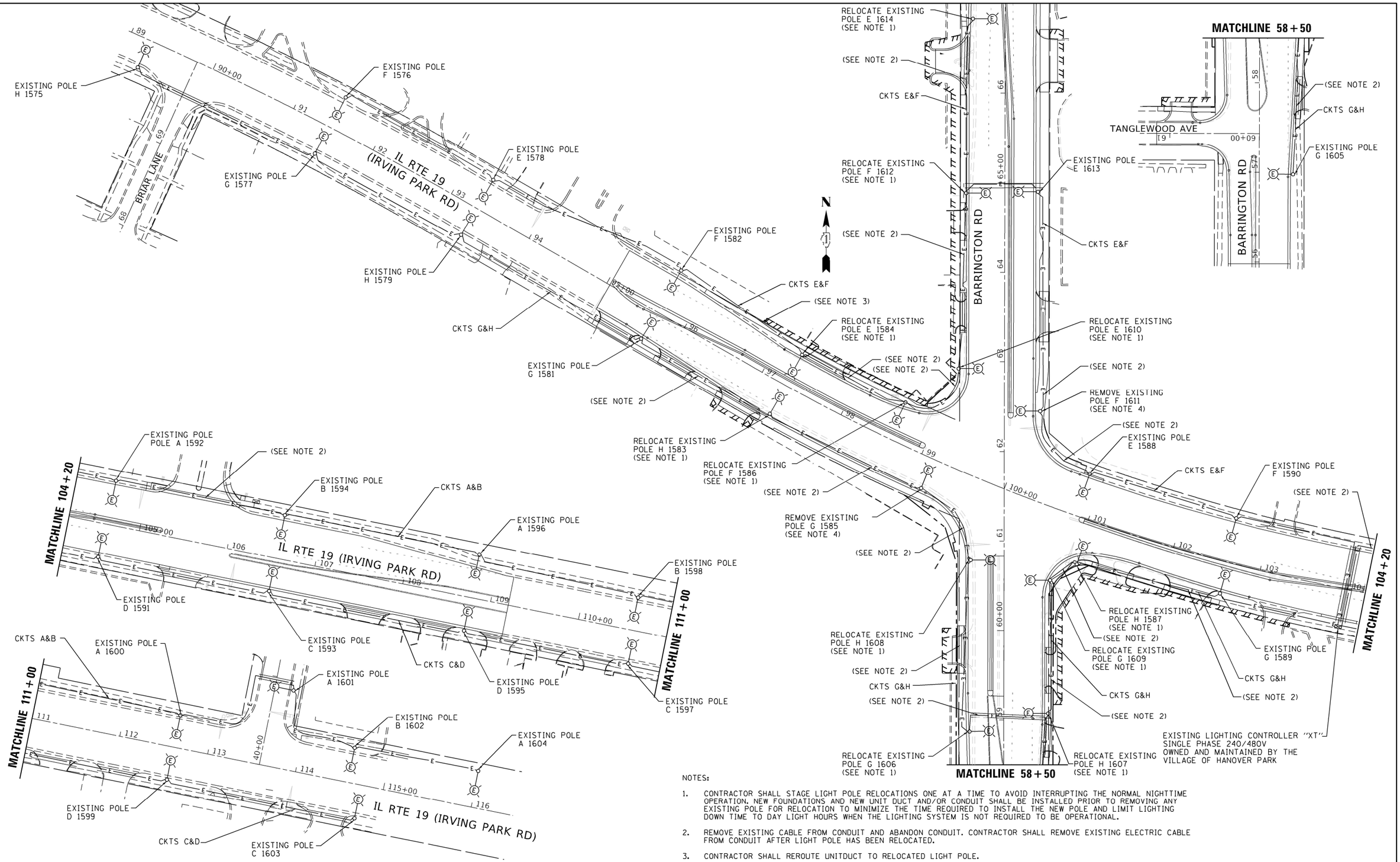
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BARRINGTON RD AND IL ROUTE 19 (IRVING PARK RD)**
**LIGHTING GENERAL NOTES AND LEGEND**

SCALE: NONE | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 99 |
| | | CONTRACT NO. 62K02 | | |

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT




NOTES:

1. CONTRACTOR SHALL STAGE LIGHT POLE RELOCATIONS ONE AT A TIME TO AVOID INTERRUPTING THE NORMAL NIGHTTIME OPERATION. NEW FOUNDATIONS AND NEW UNIT DUCT AND/OR CONDUIT SHALL BE INSTALLED PRIOR TO REMOVING ANY EXISTING POLE FOR RELOCATION TO MINIMIZE THE TIME REQUIRED TO INSTALL THE NEW POLE AND LIMIT LIGHTING DOWN TIME TO DAY LIGHT HOURS WHEN THE LIGHTING SYSTEM IS NOT REQUIRED TO BE OPERATIONAL.
2. REMOVE EXISTING CABLE FROM CONDUIT AND ABANDON CONDUIT. CONTRACTOR SHALL REMOVE EXISTING ELECTRIC CABLE FROM CONDUIT AFTER LIGHT POLE HAS BEEN RELOCATED.
3. CONTRACTOR SHALL REROUTE UNITDUCT TO RELOCATED LIGHT POLE.
4. CONTRACTOR SHALL REMOVE AND SALVAGE THIS POLE BACK TO THE VILLAGE OF HANOVER PARK. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR VILLAGE REQUIREMENTS OF PACKAGING AND DELIVERY TO A VILLAGE FACILITY. THIS WORK SHALL BE INCIDENTAL TO THE PAY ITEM "REMOVAL OF LIGHTING UNIT, SALVAGE".

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| | | |
|---|---|---|
| USER NAME = $USER$ | DESIGNED - MAA | REVISED - |
| | DRAWN - LAR | REVISED - |
| PLOT SCALE = $SCALE$ | CHECKED - MAA | REVISED - |
| PLOT DATE = $DATE$ | DATE - 8/21/2020 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BARRINGTON RD AND IL ROUTE 19 (IRVING PARK RD)**
**EXISTING LIGHTING PLAN**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 100 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

NOTES:

1. CONTRACTOR SHALL REROUTE THE EXISTING UNIT DUCT FROM THE EXISTING LIGHT POLE F 1582 TO CONNECTED THIS RELOCATED LIGHT POLE E 1584. THIS WORK SHALL BE DONE IN A SINGLE DAY TO AVOID DISRUPTING NIGHTTIME LIGHTING OPERATION. THIS WORK SHALL BE INCIDENTAL TO THE PAY ITEM RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE.

2. CONTRACTOR SHALL TAKE SPECIAL CARE AND HAND DIG THIS LOCATION TO AVOID DAMAGING EXISTING TELEPHONE AND FIBER CABLE.

NOTES:

3. CONTRACTOR SHALL TAKE EXTRA PRECAUTION AND CARE WHEN RELOCATING POLES NEAR EXISTING AERIAL POWER AND COMMUNICATION LINES.

4. CONTRACTOR SHALL INSTALL NEW LUMINAIRE AND POLE WIRING INCLUDING FUSIBLE LINKS IN THE POLE BASE. THIS WORK SHALL BE INCIDENTAL TO THE PAY ITEM 83600365 LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H.

5. CONTRACTOR SHALL INSTALL NEW MAST ARM AND LUMINAIRE TO EXISTING POLE. NEW MAST ARM SHALL BE INSTALLED PERPENDICULAR TO EXSTING MAST ARM.

6. CONTRACTOR SHALL TAKE SPECIAL CARE AT THIS LOCATION TO AVOID DAMAGING EXISTING GAS AND WATER LINES. A MINIMUM CLEAR DISTANCE OF 4' SHOULD BE MAINTAINED BETWEEN THE LIGHT POLE FOUNDATION AND OUTSIDE DIAMETER OF THE WATER PIPE, AND 2' CLEARANCE SHOULD BE MAINTAINED BETWEEN THE LIGHT POLE FOUNDATION AND GAS LINE. FOR POLE H 1606, ADDITIONAL MEASURES AND COORDINATION IS REQUIRED. SEE STATUS OF UTILITIES SPECIAL PROVISION.

7. CONTRACTOR SHALL TAKE SPECIAL CARE AT THIS LOCATION TO AVOID DAMAGING EXISTING GAS AND WATER LINES. A MINIMUM CLEAR DISTANCE OF 5' SHOULD BE MAINTAINED BETWEEN THE LIGHT POLE FOUNDATION AND OUTSIDE DIAMETER OF THE WATER PIPE, AND 2' CLEARANCE SHOULD BE MAINTAINED BETWEEN THE LIGHT POLE FOUNDATION AND GAS LINE.

EXISTING POLE H 1575 (SEE NOTE 4)
EXISTING POLE F 1576 (SEE NOTE 4)
EXISTING POLE G 1577 (SEE NOTE 4)
EXISTING POLE E 1578 (SEE NOTE 4)
EXISTING POLE H 1579 (SEE NOTE 4)
EXISTING POLE F 1582 (SEE NOTE 4)
EXISTING POLE G 1581 (SEE NOTE 4)
IL RTE 19 (IRVING PARK RD)
BRIAR LANE
CKTS E&F
CKTS G&H
CKTS G&H UNIT DUCT, 600 V, 3-1/C NO. 4 1/C NO. 6 GROUND. (XLP-TYPE. USE). 1 1/4" DIA. POLYETHYLENE
CKTS A&B
CKTS C&D
MATCHLINE 104+20
MATCHLINE 111+00
EXISTING POLE B 1594 (SEE NOTE 4)
EXISTING POLE A 1596 (SEE NOTE 4)
EXISTING POLE B 1598 (SEE NOTE 4)
EXISTING POLE A 1592 (SEE NOTE 4)
EXISTING POLE D 1591 (SEE NOTE 4)
EXISTING POLE C 1593 (SEE NOTE 4)
EXISTING POLE D 1595 (SEE NOTE 4)
EXISTING POLE C 1597 (SEE NOTE 4)
EXISTING POLE A 1600 (SEE NOTE 4)
EXISTING POLE A 1601 (SEE NOTE 4)
EXISTING POLE B 1602 (SEE NOTE 4)
EXISTING POLE A 1604 (SEE NOTE 4)
EXISTING POLE D 1599 (SEE NOTE 4)
EXISTING POLE C 1603 (SEE NOTE 4)
E 1614 STA. 66+94 SETBACK 3.5' (SEE NOTE 4)
58'-3" DIA. RGS
CKTS E&F UNIT DUCT, 600 V, 2-1/C NO. 4 1/C NO. 6 GROUND. (XLP-TYPE. USE). 1 1/4" DIA. POLYETHYLENE
F 1612 STA. 64+79 SETBACK 7' (SEE NOTE 4)
33'-3" DIA. RGS
E 1584 STA. 97+19 SETBACK 3.0' (SEE NOTES 1&4)
49'-3" DIA. RGS
E 1610 STA. 62+86 SETBACK 6.9' (SEE NOTE 4)
44'-3" DIA. RGS
H 1583 STA. 97+37 SETBACK 4.2' (SEE NOTES 2&4)
F 1586 STA. 98+53 SETBACK 5.1' (SEE NOTE 4)
G 1585 H 1585 STA. 99+09 SETBACK 9.5' (SEE NOTE 4)
G 1608 STA. 60+74 SETBACK 9.2' (SEE NOTE 4)
CKTS G&H UNIT DUCT, 600 V, 4-1/C NO. 4 1/C NO. 6 GROUND. (XLP-TYPE. USE). 1 1/4" DIA. POLYETHYLENE
40'-3" DIA. RGS
G 1606 STA. 58+87 SETBACK 10.1' (SEE NOTE 4)
MATCHLINE 58+50
BARRINGTON RD
MATCHLINE 58+50
88'-3" DIA. RGS
81'-3" DIA. RGS
38'-3" DIA. RGS
TANGLEWOOD AVE
CKTS G&H UNIT DUCT, 600V, 2-1/C NO.4 1/C NO.6 GROUND. (XLP-TYPE, USE). 1 1/4" DIA. POLYETHYLENE
EXISTING POLE E 1613 (SEE NOTE 4)
EXISTING POLE G 1605 (SEE NOTE 4)
32'-3" DIA. RGS
55'-3" DIA. RGS
CKTS E&F UNIT DUCT, 600 V, 4-1/C NO. 4 1/C NO. 6 GROUND. (XLP-TYPE. USE). 1 1/4" DIA. POLYETHYLENE
F 1611 E 1611 STA. 62+50 SETBACK 5.1' (SEE NOTES 4&5)
EXISTING POLE E 1588 (SEE NOTE 4)
H 1587 STA. 101+09 SETBACK 13.7' (SEE NOTE 4)
CKTDS E&F
40'-3" DIA. RGS
EXISTING POLE F 1590 (SEE NOTE 4)
G 1609 STA. 60+57.57 SETBACK 9.3' (SEE NOTES 3,4&7)
42'-3" DIA. RGS
47'-3" DIA. RGS
CKTS G&H UNIT DUCT, 600 V, 3-1/C NO. 4 1/C NO. 6 GROUND. (XLP-TYPE. USE). 1 1/4" DIA. POLYETHYLENE
EXISTING POLE G 1589 (SEE NOTE 4)
34'-3' DIA. RGS
H 1606 STA. 58+53 SETBACK 9.1' (SEE NOTES 3,4&6)
EXISTING LIGHTING CONTROLLER "XT" SINGLE PHASE 240/480V OWNED AND MAINTAINED BY THE VILLAGE OF HANOVER PARK

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SUITE 306
CHICAGO, ILLINOIS 60631
TEL.(773)774-5910

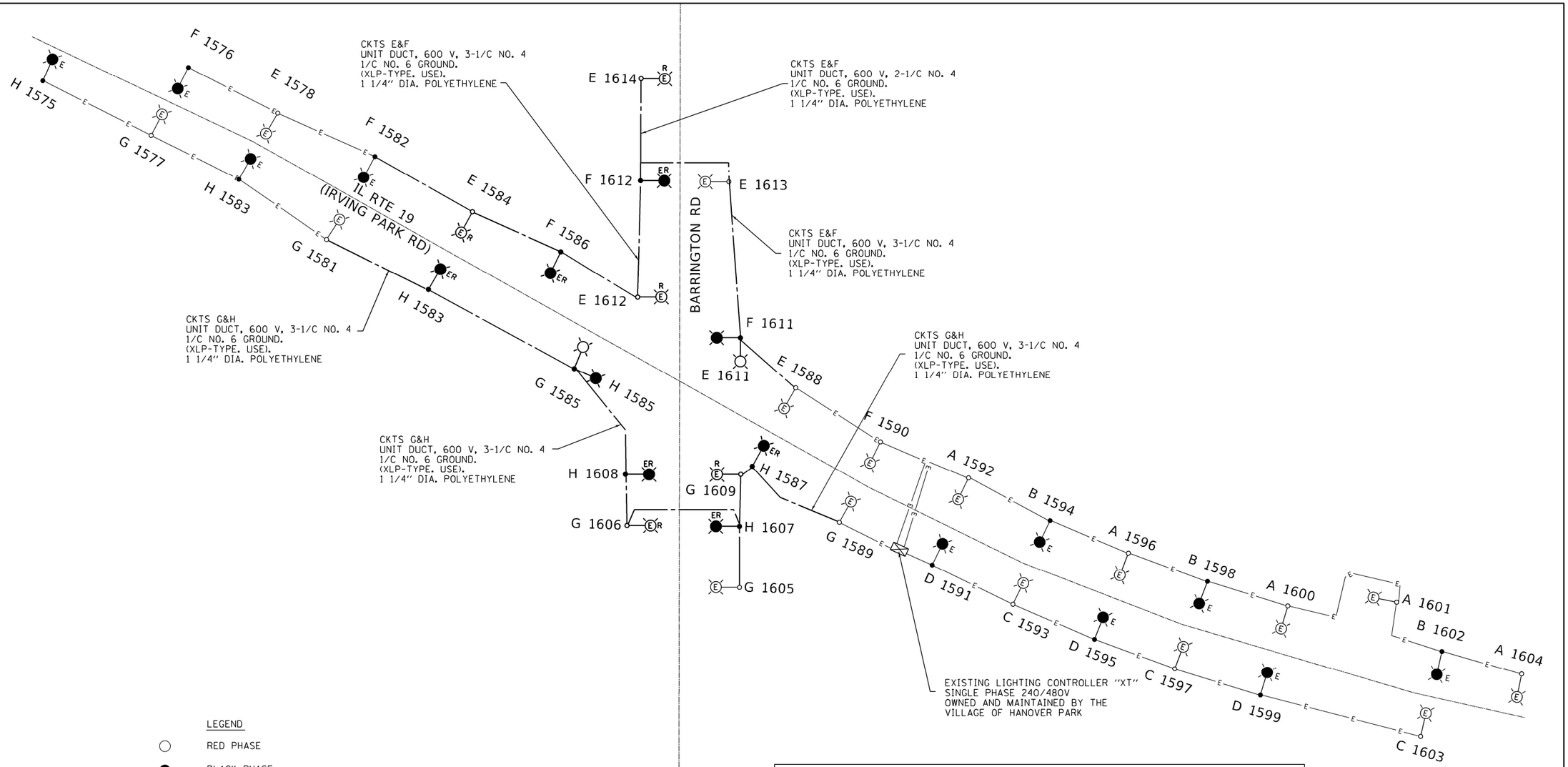
| | | |
|---|---|---|
| USER NAME = $USER$ | DESIGNED - MAA | REVISED - |
| | DRAWN - LAR | REVISED - |
| PLOT SCALE = $SCALE$ | CHECKED - MAA | REVISED - |
| PLOT DATE = $DATE$ | DATE - 8/21/2020 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BARRINGTON RD AND IL ROUTE 19 (IRVING PARK RD)**
**PROPOSED LIGHTING PLAN**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 101 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |




LEGEND

- RED PHASE
- BLACK PHASE
- NEW LIGHTING UNIT WITH DUAL MAST ARM AND LUMINAIRES
- EXISTING LIGHT POLE
- PROPOSED RELOCATED LIGHT POLE
- CONTROLLER
- EXISTING CABLE
- PROPOSED CABLE

## PROPOSED SINGLE LINE DIAGRAM

PROPOSED LOAD TABLE
LIGHTING CONTROLLER
(@240 VOLTS)

| CIRCUIT | QUANTITY | LOAD/FIXT. (WATTS) | RED PHASE | | CIRCUIT | QUANTITY | LOAD/FIXT. (WATTS) | BLACK PHASE | |
|---|---|---|---|---|---|---|---|---|---|
| | | | AMPS | WATTS | | | | AMPS | WATTS |
| A | 5 | 278 W | 5.8 | 1,390 | B | 3 | 278 W | 3.5 | 834 |
| C | 3 | 278 W | 3.5 | 834 | D | 3 | 278 W | 3.5 | 834 |
| E | 7 | 278 W | 8.2 | 1,946 | F | 6 | 278 W | 7.0 | 1,668 |
| G | 7 | 278 W | 8.1 | 1,946 | H | 7 | 278 W | 8.2 | 1,946 |
| TOTAL | 22 | N/A | 25.6 | 6,116 | TOTAL | 19 | N/A | 22.2 | 5,282 |

TOTAL LOAD ON CONTROLLER (@240 V): 47.8 AMP

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TEL.(773)774-5910

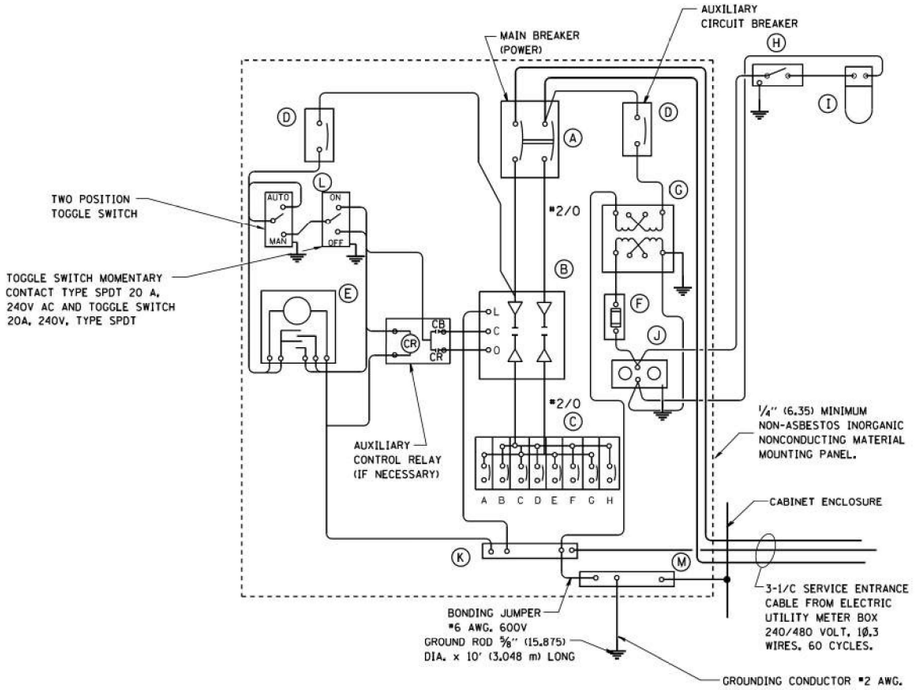
| | | |
|---|---|---|
| USER NAME = $USER$ | DESIGNED - MAA | REVISED - |
| | DRAWN - LAR | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - MAA | REVISED - |
| PLOT DATE = $DATE$ | DATE - 8/21/2020 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BARRINGTON RD AND IL ROUTE 19 (IRVING PARK RD)**
**SINGLE LINE DIAGRAM LIGHTING PLAN**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 102 |
| | | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

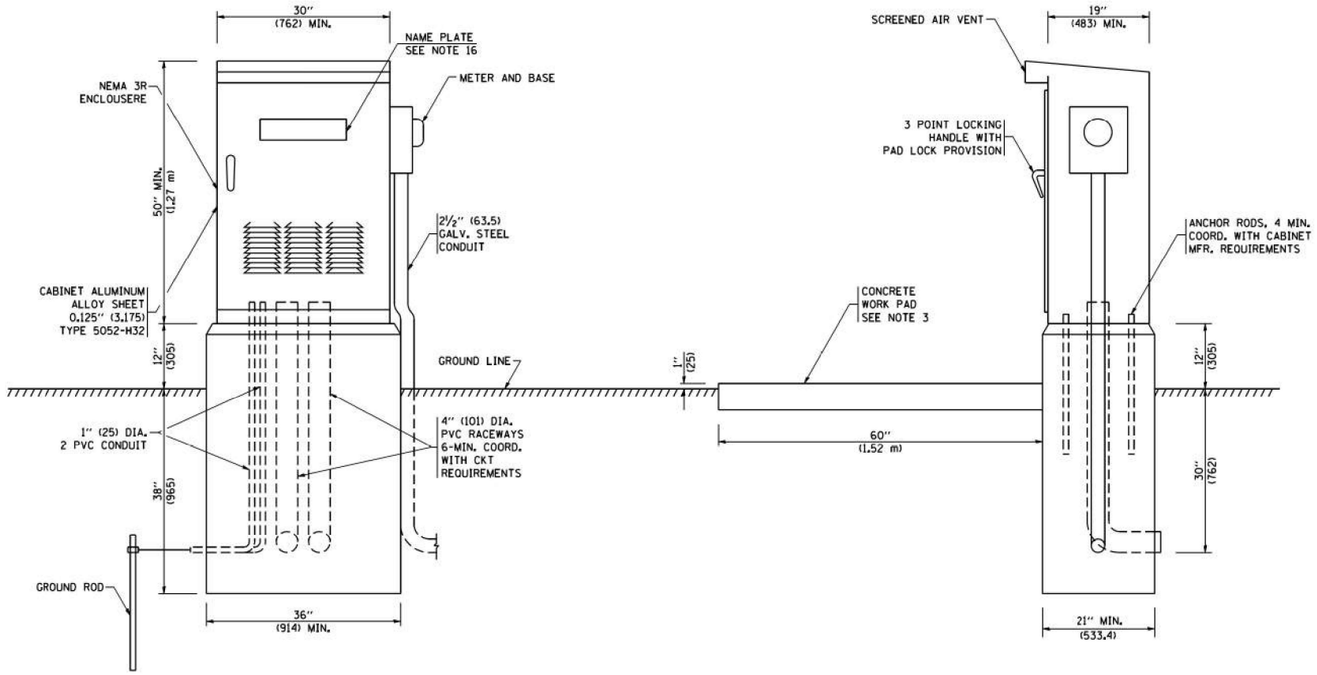



PANEL WIRING DIAGRAM

## PANEL EQUIPMENT

BILL OF MATERIAL

| ITEM | QUANTITY | DESCRIPTION |
|---|---|---|
| A | 1 | MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT. |
| B | 1 | REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT. |
| C | 8 | CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME , 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V. |
| D | 2 | CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V. |
| E | 1 | ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH]. |
| F | 1 | 20 A., 120 V. FUSE. |
| G | 1 | 1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 Hz. |
| H | 1 | SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN. |
| I | 1 | INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP. |
| J | 1 | 20 A., 120 V., DUPLEX RECEPTACLE, GFCI. |
| K | 1 | COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS |
| L | 1 | TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX. |
| M | 1 | COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS |




NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
    R = RED BL = BLUE W = WHITE
    B = BLACK Y = YELLOW G = GREEN
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

FOR INFORAMTION ONLY

| | | | |
|---|---|---|---|
| FILE NAME = W:\diststd\22x34\be215.dgn | USER NAME = gaglianobt | DESIGNED - | REVISED - 08-20-04 |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 1/4/2008 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

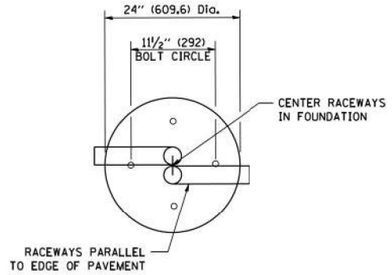
**LIGHTING CONTROLLER**
**SINGLE DOOR**

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

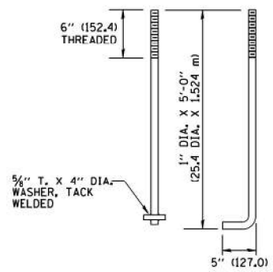
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 103 |
| | BE-215 | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## LIGHT POLE FOUNDATION DEPTH TABLE
## 30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

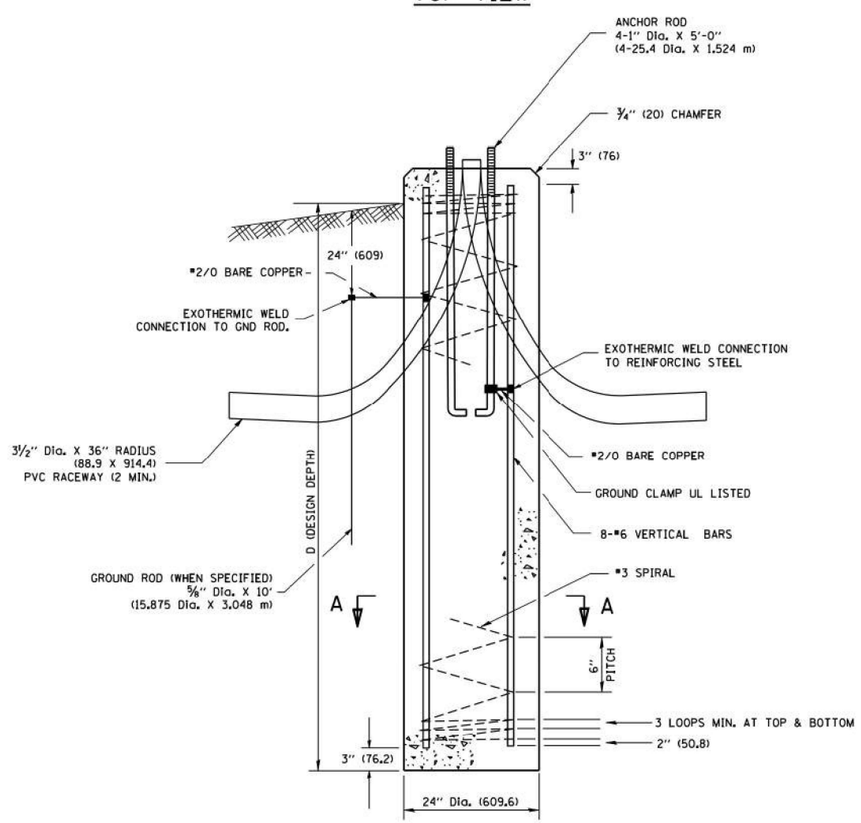
| SOIL CONDITIONS | DESIGN DEPTH "D" OF FOUNDATION | |
|---|---|---|
| | SINGLE ARM POLE | TWIN ARM POLE |
| SOFT CLAY<br>Ou = 0.375 TON/SQ. FT. | 11'-0"<br>(3.35 m) | 12'-8"<br>(3.85 m) |
| MEDIUM CLAY<br>Ou = 0.75 TON/SQ.FT | 9'-0"<br>(2.74 m) | 14'-10"<br>(4.52 m) |
| STIFF CLAY<br>Ou = 1.50 TON/SQ. FT. | 7'-6"<br>(2.29 m) | 8'-7"<br>(2.61 m) |
| LOOSE SAND<br>Ø = 34° | 9'-6"<br>(2.90 m) | 10'-7"<br>(3.22 m) |
| MEDIUM SAND<br>Ø = 37.5° | 9'-0"<br>(2.74 m) | 9'-10"<br>(2.99 m) |
| DENSE SAND<br>Ø = 40° | 8'-3"<br>(2.51 m) | 9'-7"<br>(2.91 m) |



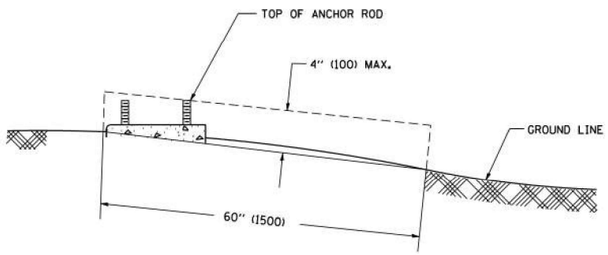

TOP VIEW



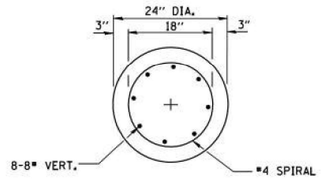

ANCHOR BOLT DETAIL




FOUNDATION DETAIL




FOUNDATION EXTENSION DETAIL




SECTION A-A

## NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED ¾-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

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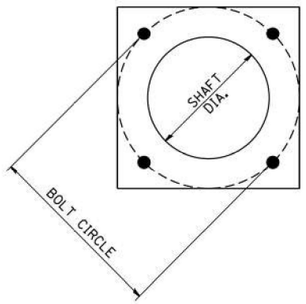
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 1/4/2008 | DATE - | REVISED - |

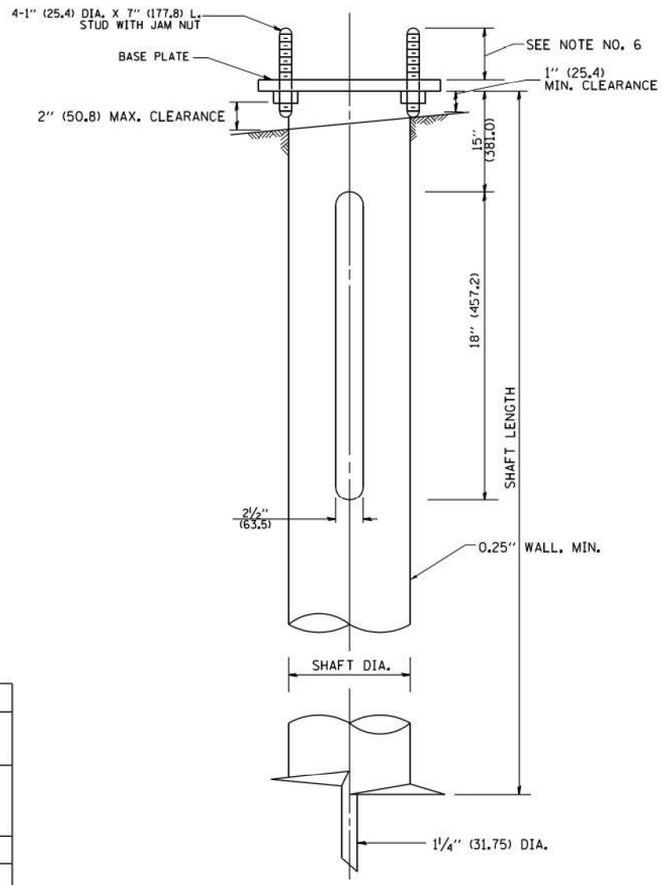
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHT POLE FOUNDATION**
**30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 104 |
| | BE-300 | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |




NOTES:

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1° ) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2° ).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

## HELIX FOUNDATION SIZE

| POLE MOUNTING HEIGHT | BOLT CIRCLE | SHAFT DIAMETER | SHAFT LENGTH | BASEPLATE |
|---|---|---|---|---|
| 30 FT. | 11½" | 8⅝" | 6 FT. | 12"x12"x1" |
| 31 FT.-35 FT. | 11½" | 8⅝" | 6 FT. | 12"x12"x1" |
| 36 FT.-40FT. | 15" | 8⅝" | 6 FT. | 15"x15"x1¼" |
| 41 FT.-45 FT. | 15" | 8⅝" | 6 FT. | 15"x15"x1¼" |
| 46 FT.-50 FT. | 15" | 10" | 8 FT. | 15"x15"x1¼" |

## METAL HELIX FOUNDATION MATERIALS

| ITEM | MATERIAL REQUIREMENT |
|---|---|
| BASEPLATE | AASHTO M 270M, GRADE 36 (M270M, GRADE 250) |
| SHAFT | ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM) |
| HELIX SCREW | AASHTO M 183 (ASTM A 635) |
| PILOT POINT | AASHTO M 270 (ASTM A 575) |
| ANCHOR RODS/STUDS | AASHTO M 314 (ASTM F 1554) |
| HEXAGON NUTS | AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H |
| WASHERS | AASHTO M 293 (ASTM F 436) |

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| | | DRAWN - DLB | REVISED - |
| | PLOT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 1/4/2008 | DATE - 02-27-07 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHT POLE FOUNDATION, METAL**

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

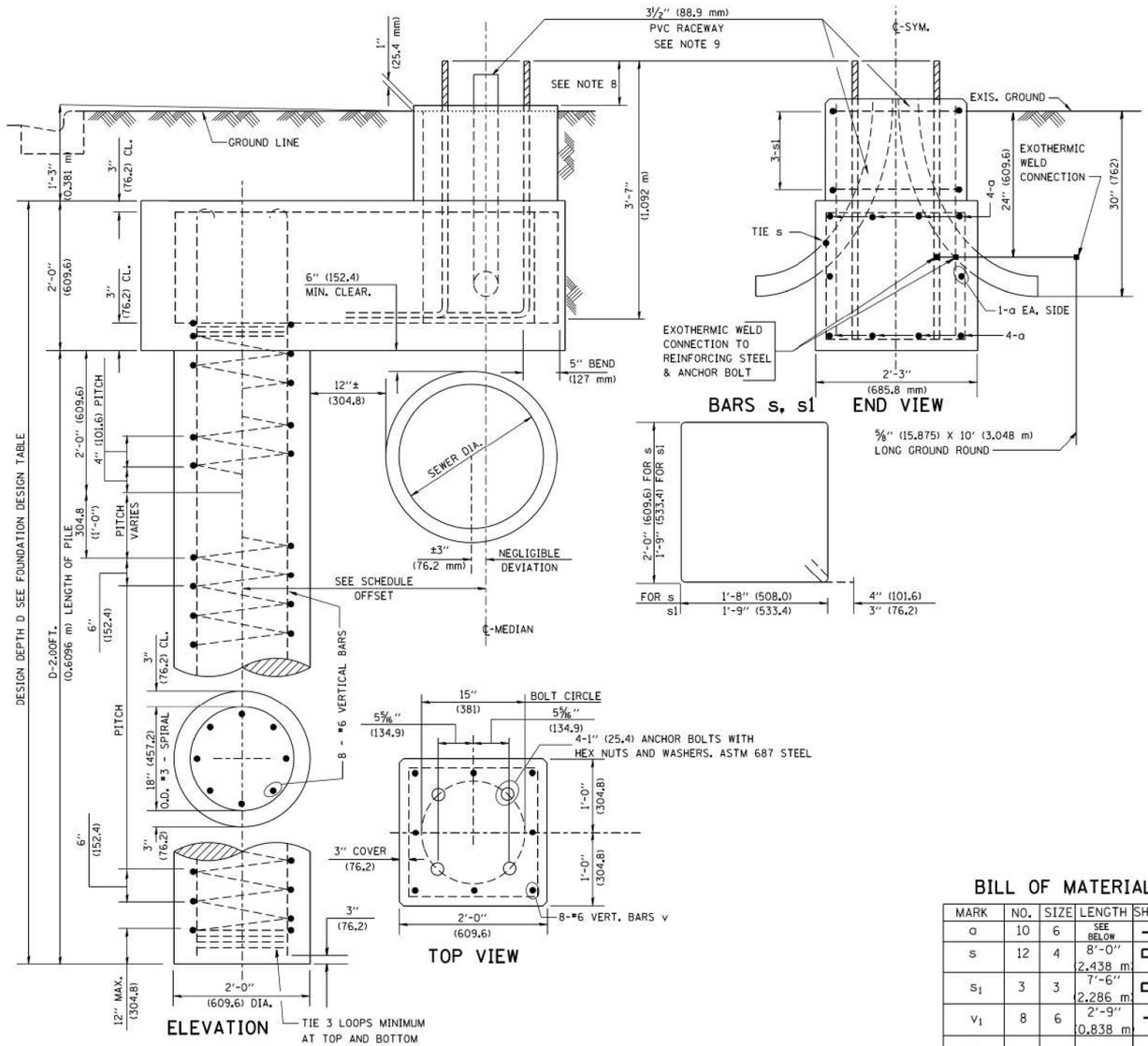
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 105 |
| | BE-305 | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## FOUNDATION DESIGN TABLE

| TYPE OF SOIL | DESIGN DEPTH OF FOUNDATION | | REINFORCEMENT IN FOUNDATION | | | |
|---|---|---|---|---|---|---|
| | SINGLE ARM D | TWIN ARM D | SINGLE ARM | | TWIN ARM | |
| | | | VERT BARS | SPIRAL | VERT BARS | SPIRAL |
| SOFT CLAY | 13′-0″ (3.962 m) | 15′-0″ (4.572 m) | 8-#6X12′-6″ (3.810 m) | #3X122′ (37.186 m) | 8-#6X14′-3″ (4.343 m) | #3X141′ (42.977 m) |
| MEDIUM CLAY | 9′-6″ (2.896 m) | 10′-9″ (3.277 m) | 8-#6X9′-0″ (2.743 m) | #3X90′ (27.432 m) | 8-#6X10′-0″ (3.048 m) | #3X100′ (30.480 m) |
| STIFF CLAY | 7′-0″ (2.134 m) | 8′-0″ (2.438 m) | 8-#6X6′-6″ (1.981 m) | #3X66′ (20.112 m) | 8-#6X7′-6″ (2.286 m) | #3X76′ (23.165 m) |
| LOOSE SAND | 9′-0″ (2.743 m) | 10′-0″ (3.048 m) | 8-#6X8′-6″ (2.591 m) | #3X85′ (25.908 m) | 8-#6X9′-6″ (2.896 m) | #3X94′ (28.651 m) |
| MEDIUM SAND | 8′-3″ (2.515 m) | 9′-0″ (2.743 m) | 8-#6X8′-0″ (2.438 m) | #3X78′ (23.774 m) | 8-#6X8′-6″ (2.591 m) | #3X85′ (25.908 m) |
| DENSE SAND | 7′-9″ (2.362 m) | 9′-0″ (2.743 m) | 8-#6X7′-6″ (2.286 m) | #3X73′ (22.250 m) | 8-#6X8′-6″ (2.591 m) | #3X85′ (25.908 m) |
| ROCK OR SOLIDIFIED SLAG | 5′-0″ (1.524 m) | 5′-0″ (1.524 m) | NONE | NONE | NONE | NONE |

### NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24″ (609.6 mm) OR 30″ (762.0 mm) IN DIAMETER.
4. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
7. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2¾″ (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
8. RACEWAYS SHALL PROJECT 1″ (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.




### BILL OF MATERIAL

| MARK | NO. | SIZE | LENGTH | SHAPE |
|---|---|---|---|---|
| a | 10 | 6 | SEE BELOW | — |
| s | 12 | 4 | 8′-0″ (2.438 m) | □ |
| $s_1$ | 3 | 3 | 7′-6″ (2.286 m) | □ |
| $v_1$ | 8 | 6 | 2′-9″ (0.838 m) | — |
| $v_2$ | | | | |

### OFFSET SCHEDULE

| SEWER DIAM. d IN. | PILE OFFSET from℄-MED'N FT. | LENGTH of BAR a FT. |
|---|---|---|
| UP TO 24″ (609.6 mm) | 3′-3″ (0.991 m) | #6 x 5′-3″ (1.600 m) |
| 27″ (685.8 m)TO 36″ (914.4 mm) | 3′-9″ (1.143 m) | 5′-9″ (1.753 m) |
| 42″ (1066.8 mm) TO 48″ (1219.2 mm) | 4′-6″ (1.372 m) | 6′-6″ (1.981 m) |
| 54″ (1371.6 mm) TO 60″ (1524.0 mm) | 5′-0″ (1.524 m) | 7′-0″ (2.134 m) |
| 66″ (1676.4 mm) TO 72″ (1828.8 mm) | 5′-6″ (1.676 m) | 7′-6″ (2.286 m) |

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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 6/16/2008 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHT POLE FOUNDATION OFFSET**
**40′ (12.192 m) TO 47 1/2 ′ (14.478 m) M.H.**
**15″ (381 mm) BOLT CIRCLE**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 106 |
| | BE-310 | CONTRACT NO. 62K02 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

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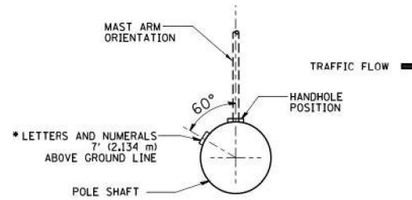
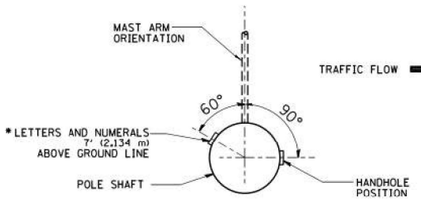
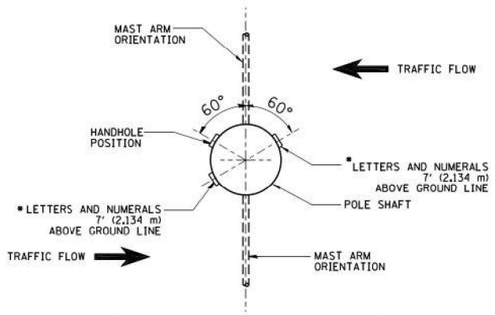


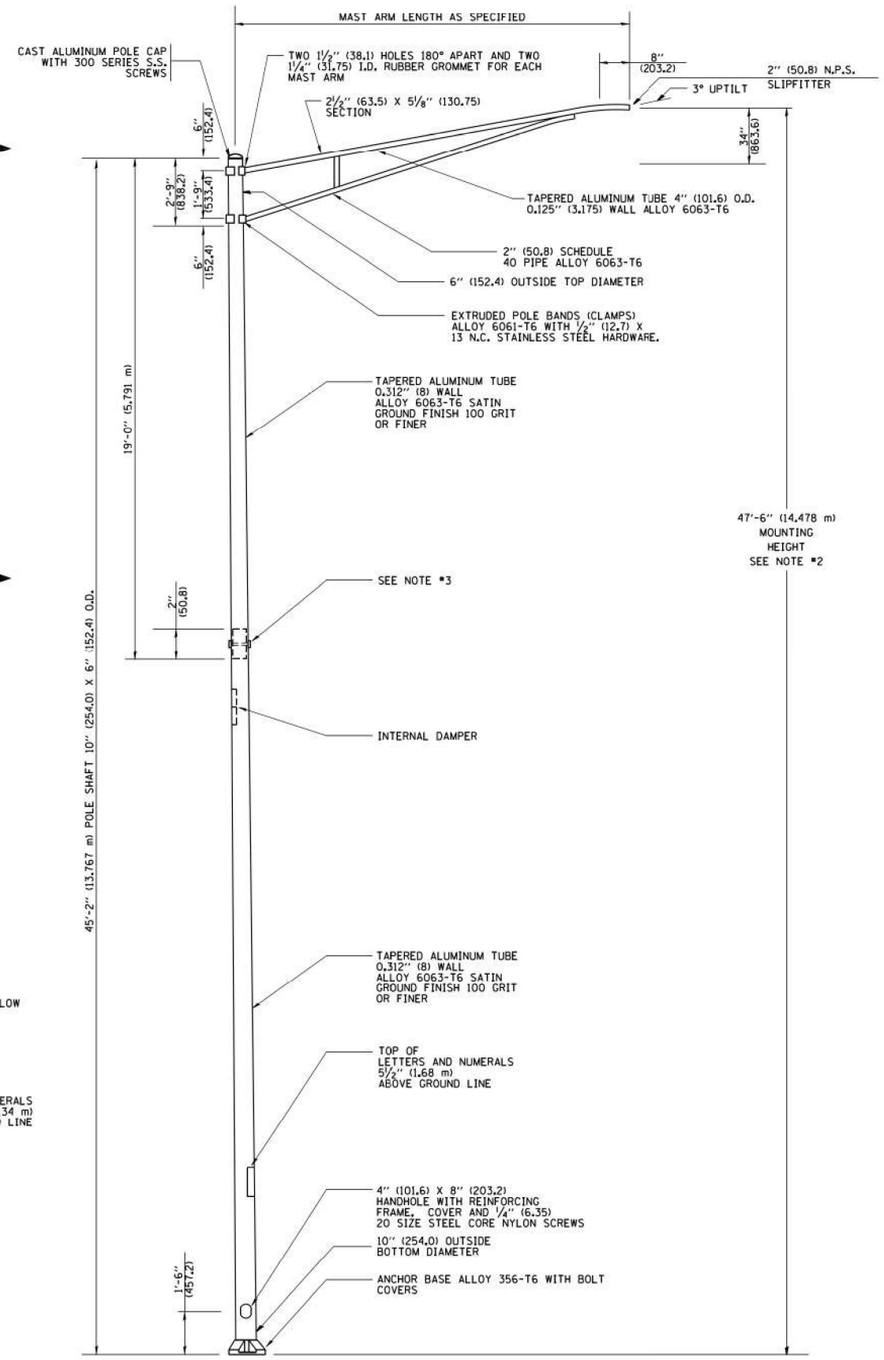

POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL

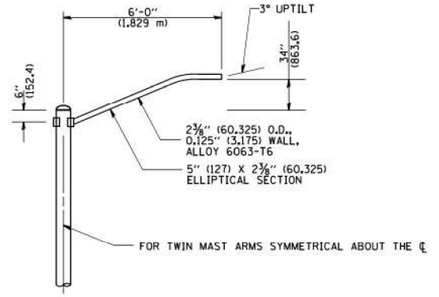



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES




POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

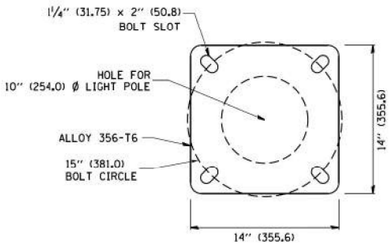


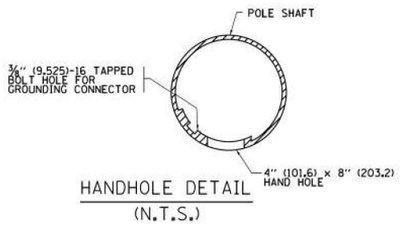

6' (1.8 m) SINGLE MEMBER MAST ARM
(N.T.S.)

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.




LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE




HANDHOLE DETAIL
(N.T.S.)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| | | DRAWN \CADData\CADsheets\be400.dgn | REVISED - R. TOMSONS 09-03-03 | | | 1321 | 2019-129-TS&N | COOK | 135 | 107 |
| | PLOT SCALE = 50.000 ' / in. | CHECKED - | REVISED - R. TOMSONS 01-18-13 | | | | BE-400 | | CONTRACT NO. 62K02 | |
| | PLOT DATE = 12/21/2015 | DATE - | REVISED - R. TOMSONS 03-18-15 | | SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

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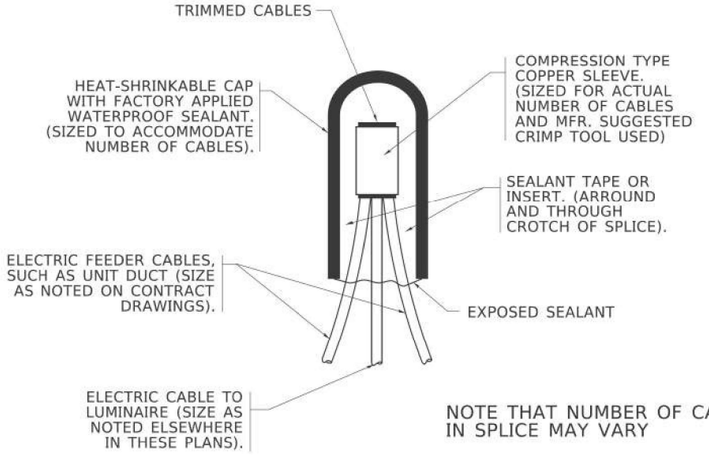
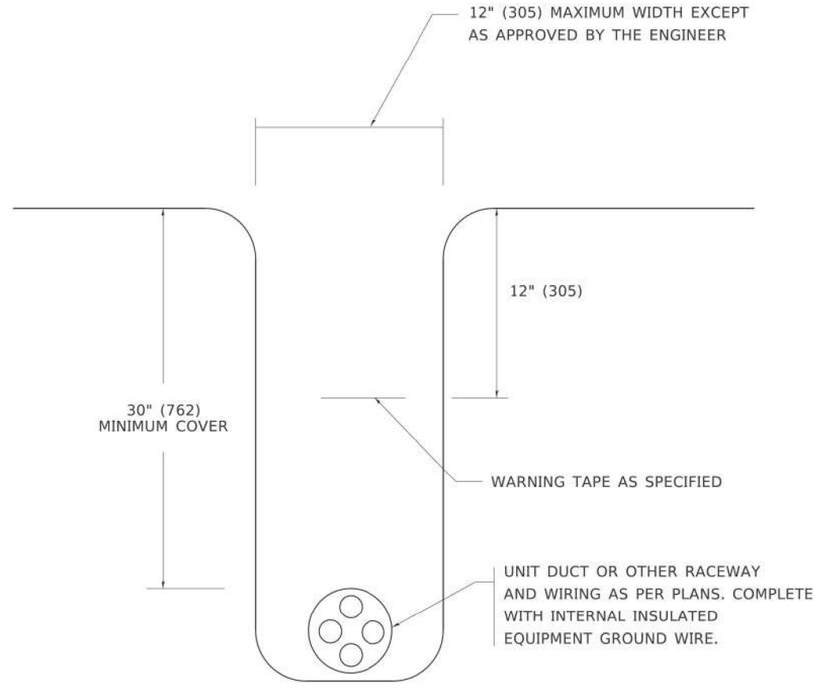
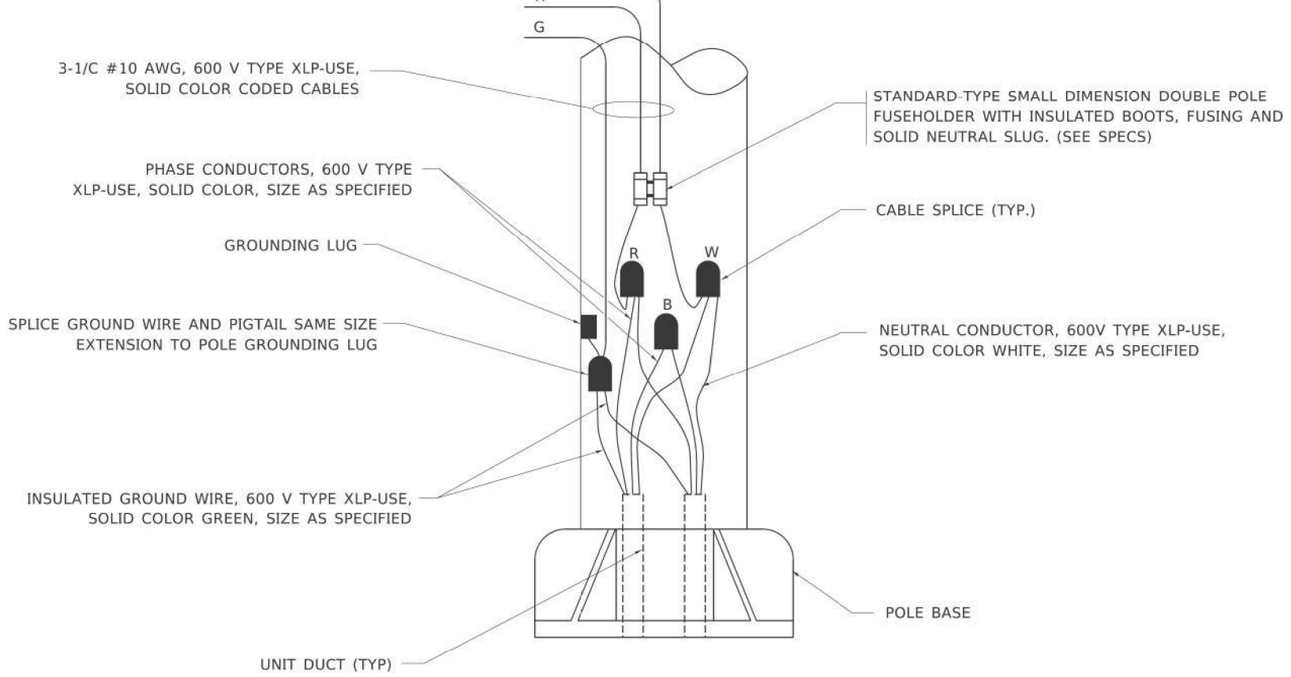



**TYPICAL SPLICE DETAIL**
**N.T.S.**




**TYPICAL WIRING IN TRENCH DETAIL**
**N.T.S.**




**POLE WIRING DETAIL**
**N.T.S.**

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| | DRAWN - | REVISED - |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/2/2020 | DATE - 08/08/2003 | REVISED - |

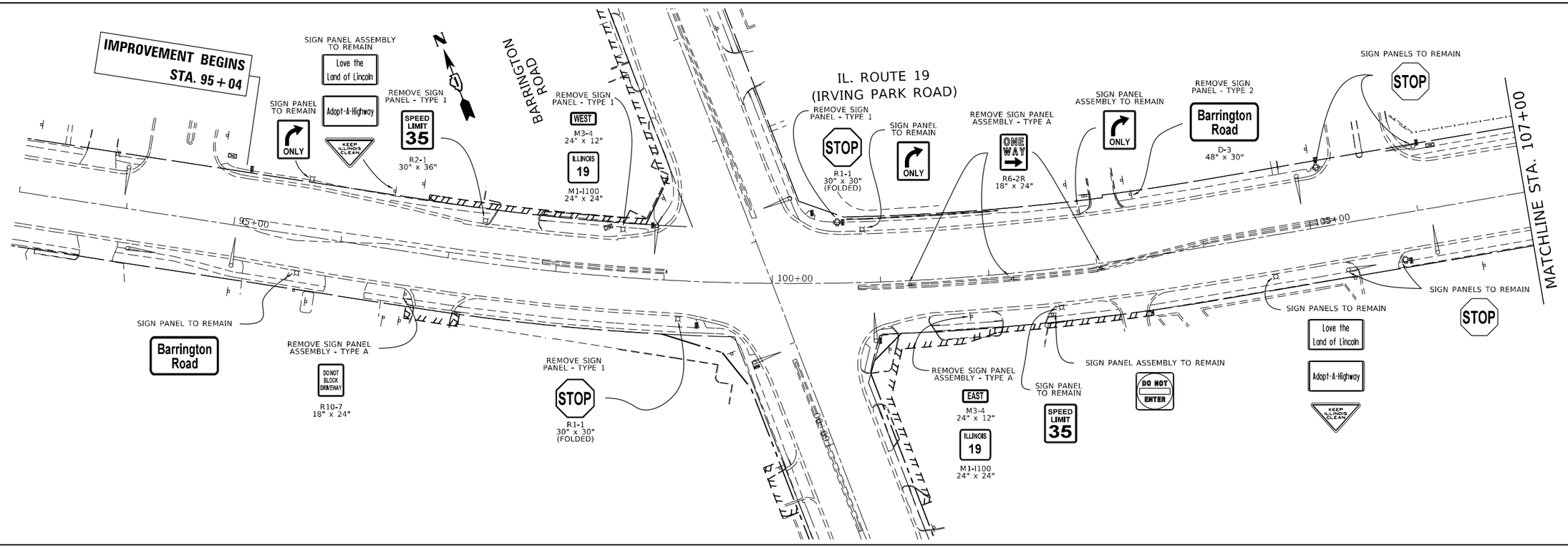
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS**
**SHEET A**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 108 |
| | | CONTRACT NO. 62K02 | | |

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

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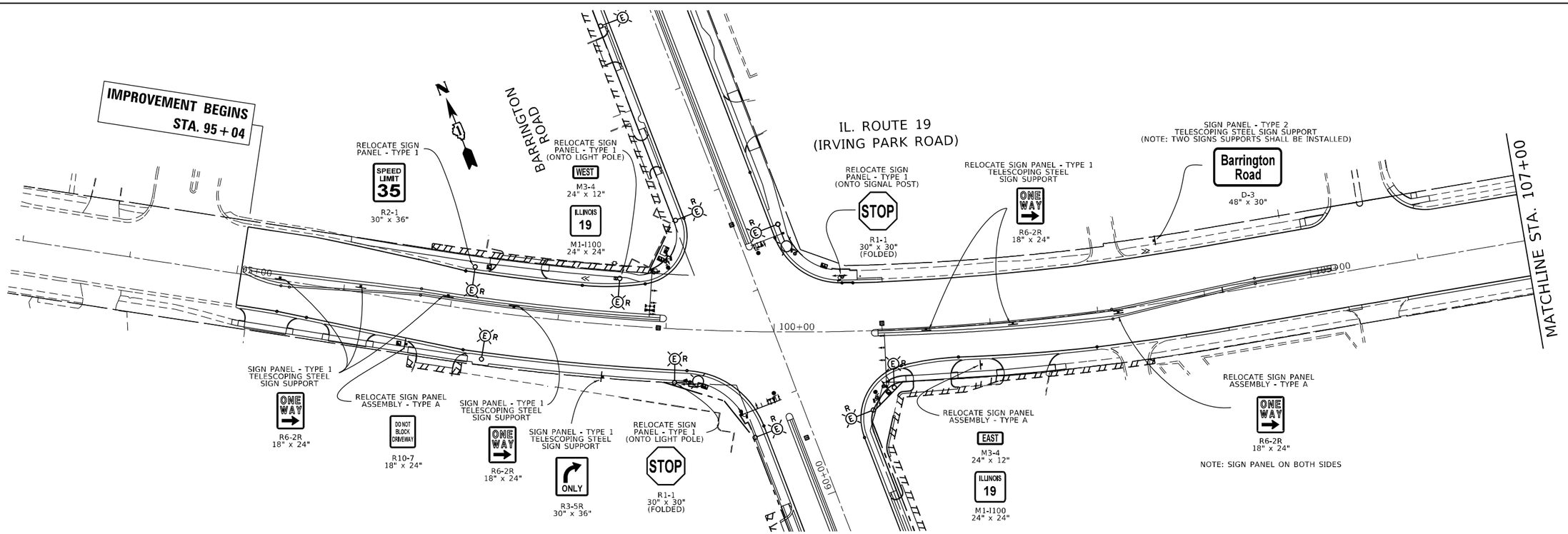


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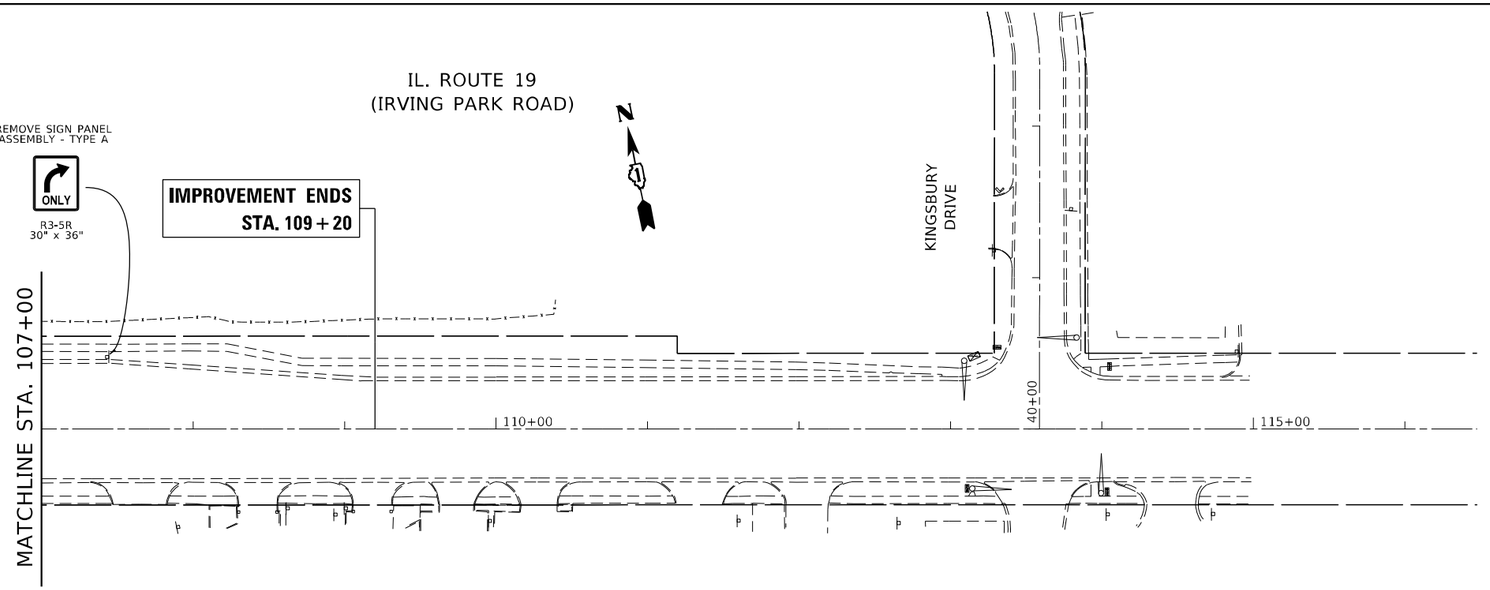
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED SIGNING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 109 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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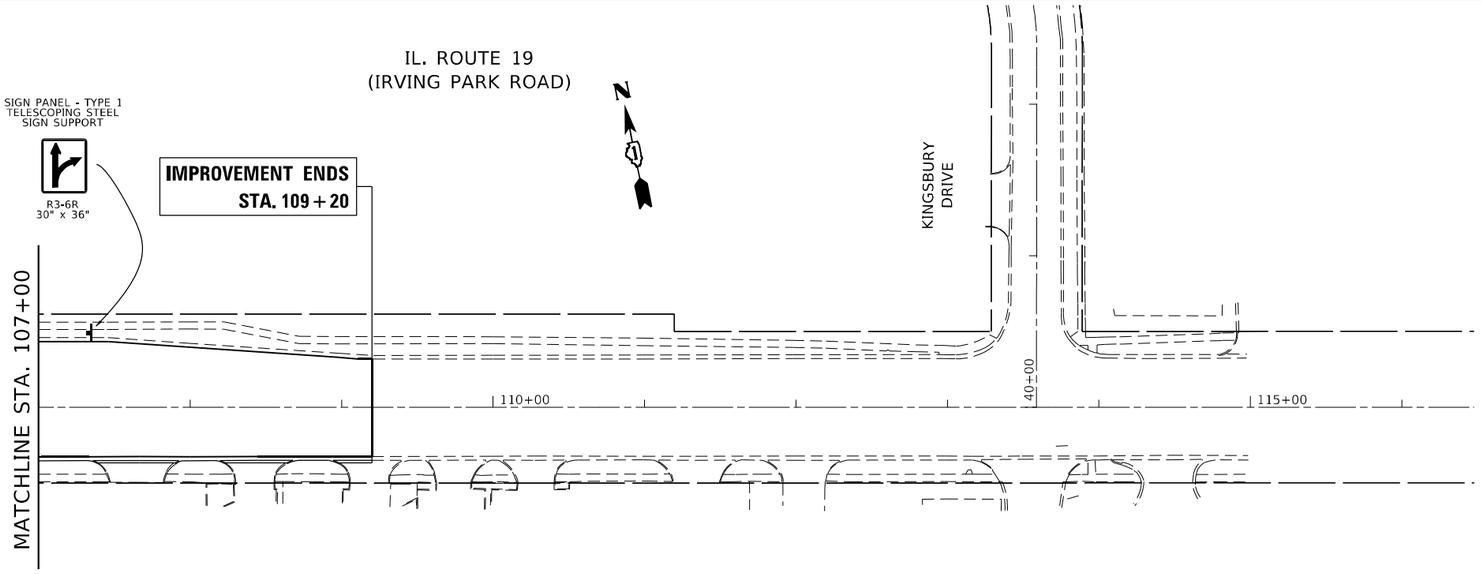


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|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**EXISTING AND PROPOSED SIGNING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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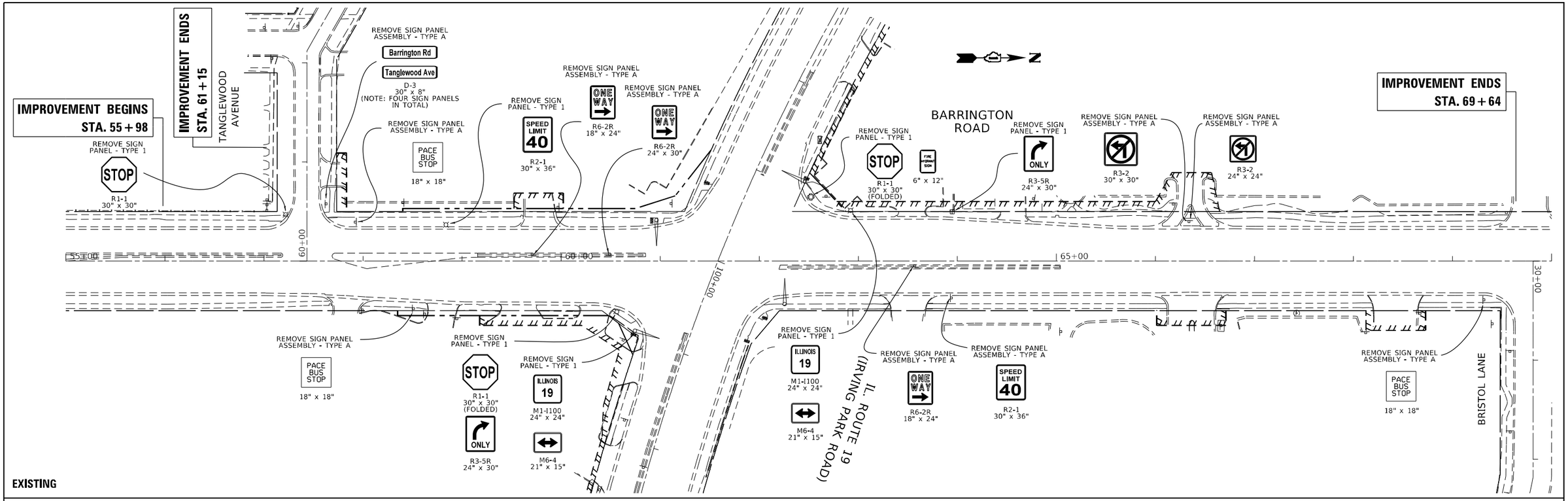
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED SIGNING PLAN**
**IL. ROUTE 19 (IRVING PARK ROAD) AT BARRINGTON ROAD**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 111 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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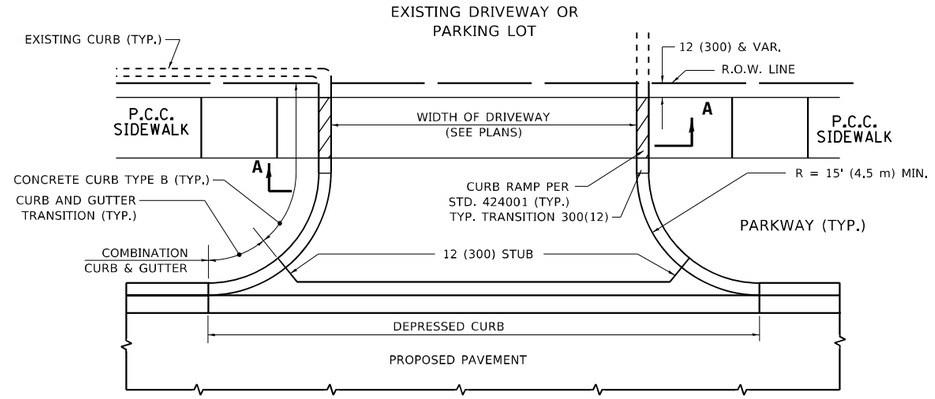
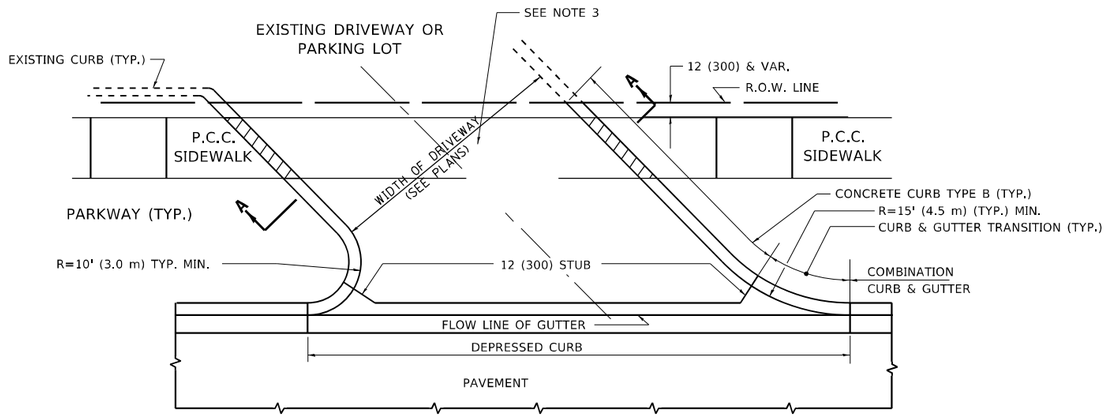



**WITH CONCRETE CURB, TYPE B**

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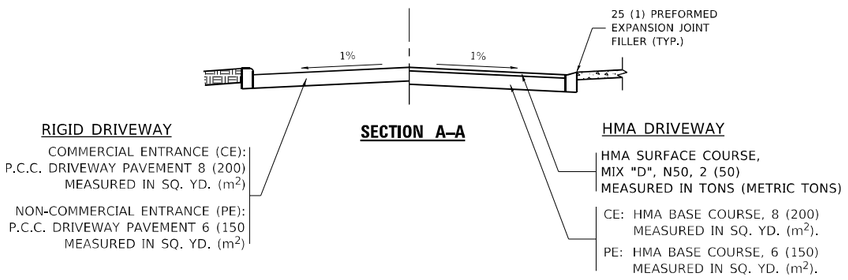
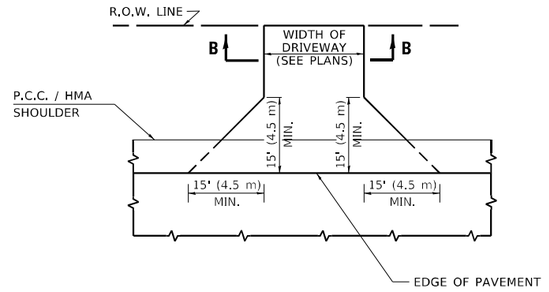
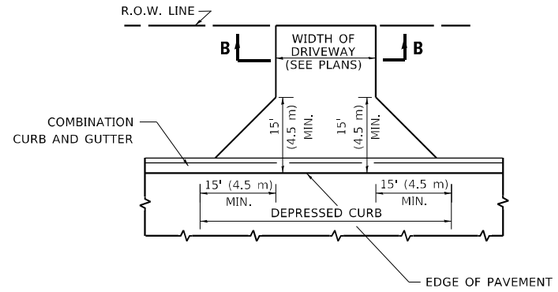
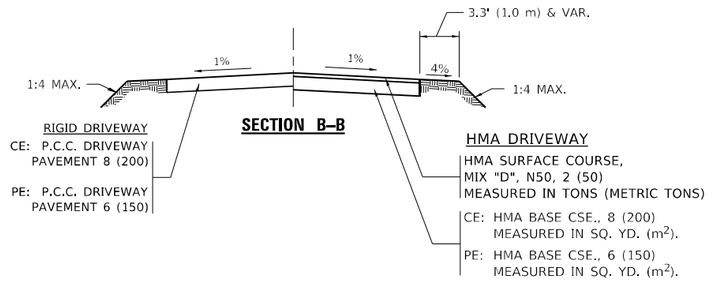



**ADJACENT TO P.C.C./HMA SHOULDER**




**ADJACENT TO CURB AND GUTTER**




## GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

| |
|---|
| COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION. |
| 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK. |
| WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50. |

### RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. ($m^2$).

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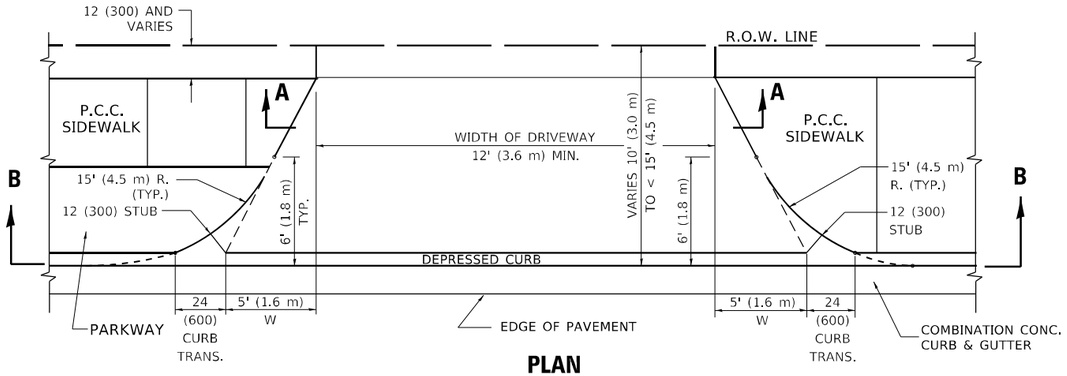
| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - R. SHAH | REVISED - P. LaFLUER 04-15-03 | |
| | DRAWN - | REVISED - R. BORO 01-01-07 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - R. BORO 06-11-08 | |
| PLOT DATE = 5/7/2021 | DATE - 11-04-95 | REVISED - R. BORO 09-06-11 | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5m)**

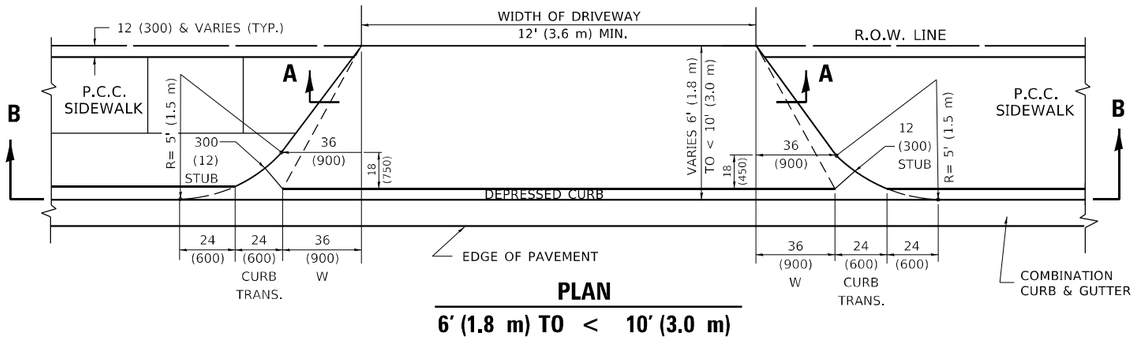
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 112 |
| | **BD400–01 (BD–01)** | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |



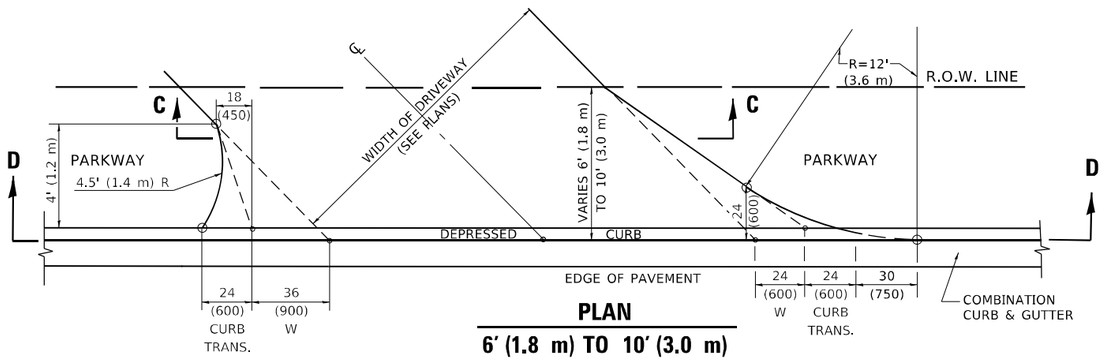

**PLAN**

**10′ (3.0 m) TO < 15′ (4.5 m)**



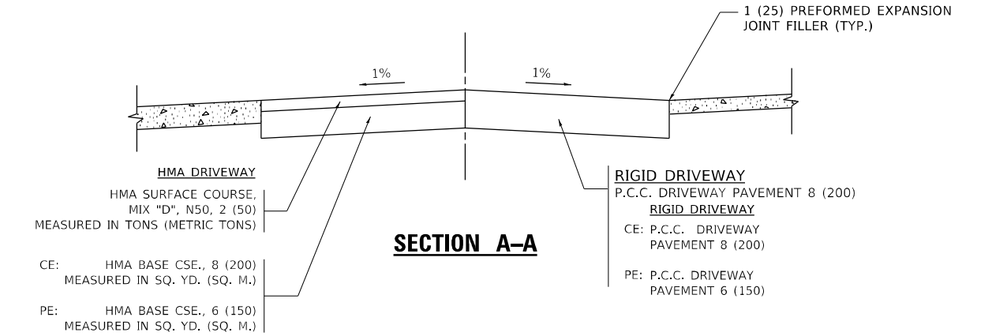

**PLAN**

**6′ (1.8 m) TO < 10′ (3.0 m)**

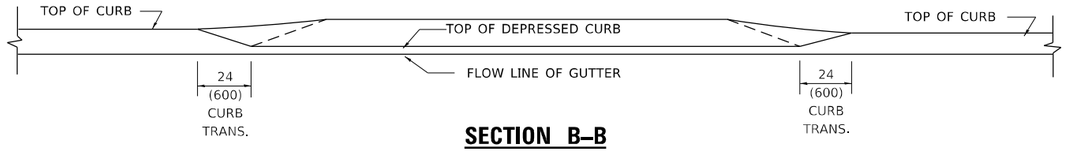



**PLAN**

**6′ (1.8 m) TO 10′ (3.0 m)**




**SECTION A–A**

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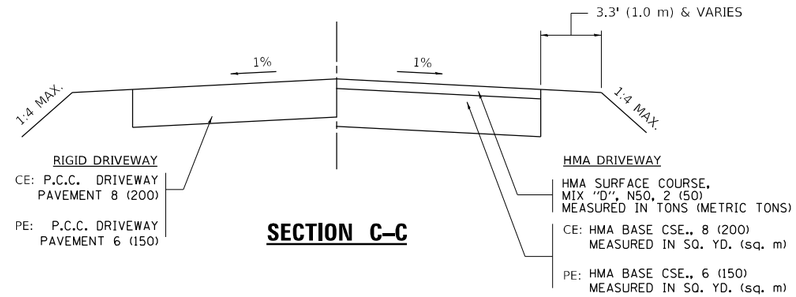
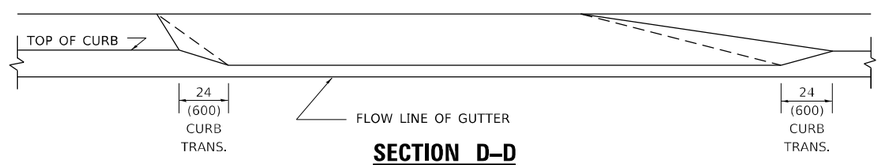



**SECTION C–C**




**SECTION D–D**

## GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.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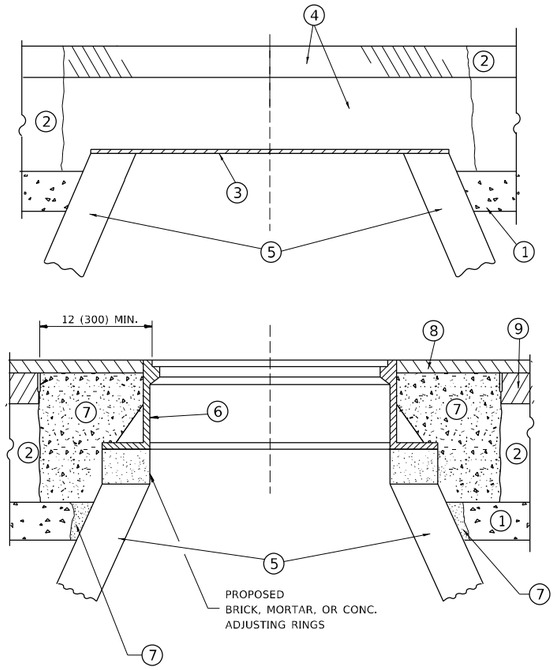
| | | | |
|---|---|---|---|
| USER NAME = tarlqfm | DESIGNED - R. SHAH | REVISED - M. GOMEZ 04-06-01 | |
| | DRAWN - | REVISED - P. LaFLUER 04-15-03 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - R. BORO 01-01-07 | |
| PLOT DATE = 5/7/2021 | DATE - 11-06-95 | REVISED - R. BORO 09-06-11 | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS**
**DISTANCE BETWEEN ROW AND FACE OF CURB < 15′ (4.5m)**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 113 |
| | BD400–02 (BD–02) | CONTRACT NO. 62K02 | | |
| | 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 1½ (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

## 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.

## 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.

# DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - R. SHAH | REVISED - R. WEDEMAN 05-14-04 | |
| | DRAWN - | REVISED - R. BORO 01-01-07 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - R. BORO 03-09-11 | |
| PLOT DATE = 5/7/2021 | 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 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 114 |
| | BD600-03 (BD-8) | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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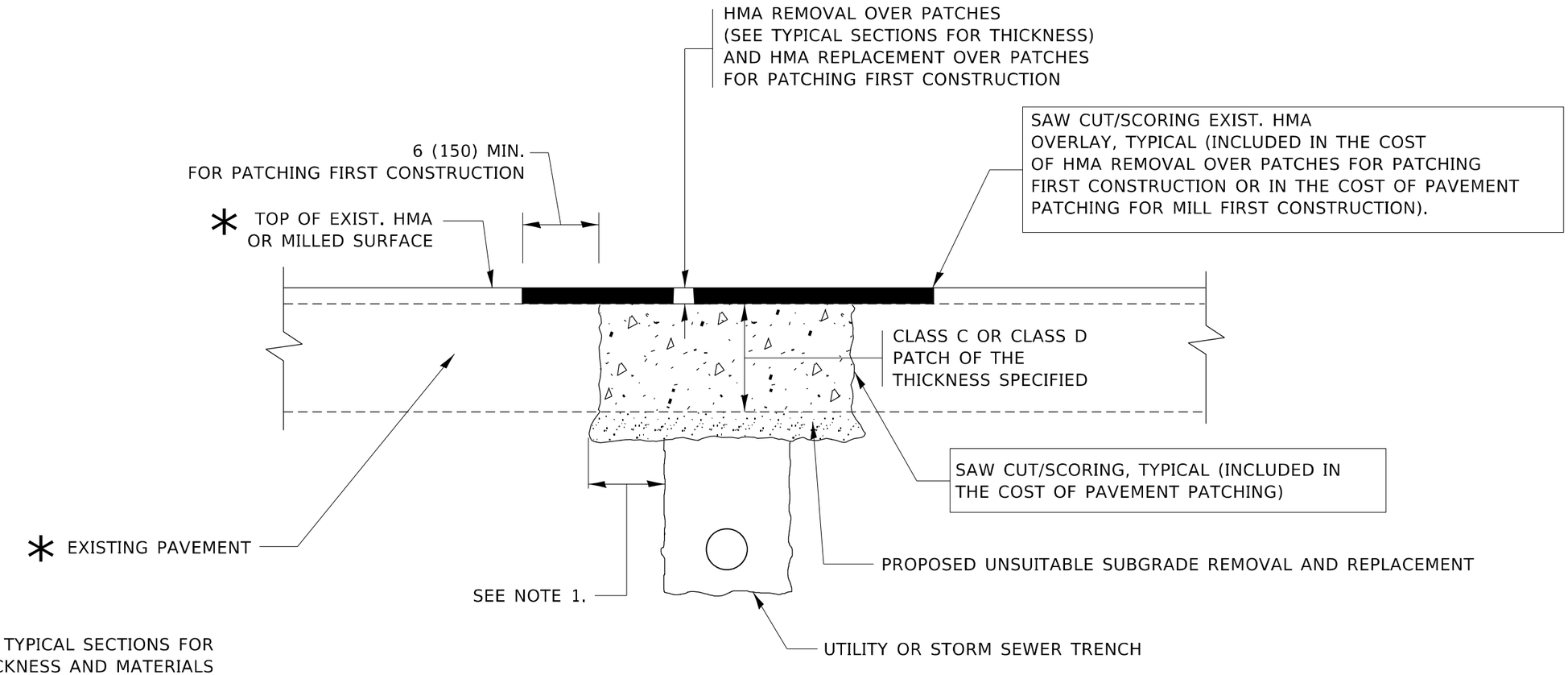



## NOTES:

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 4½ 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.

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

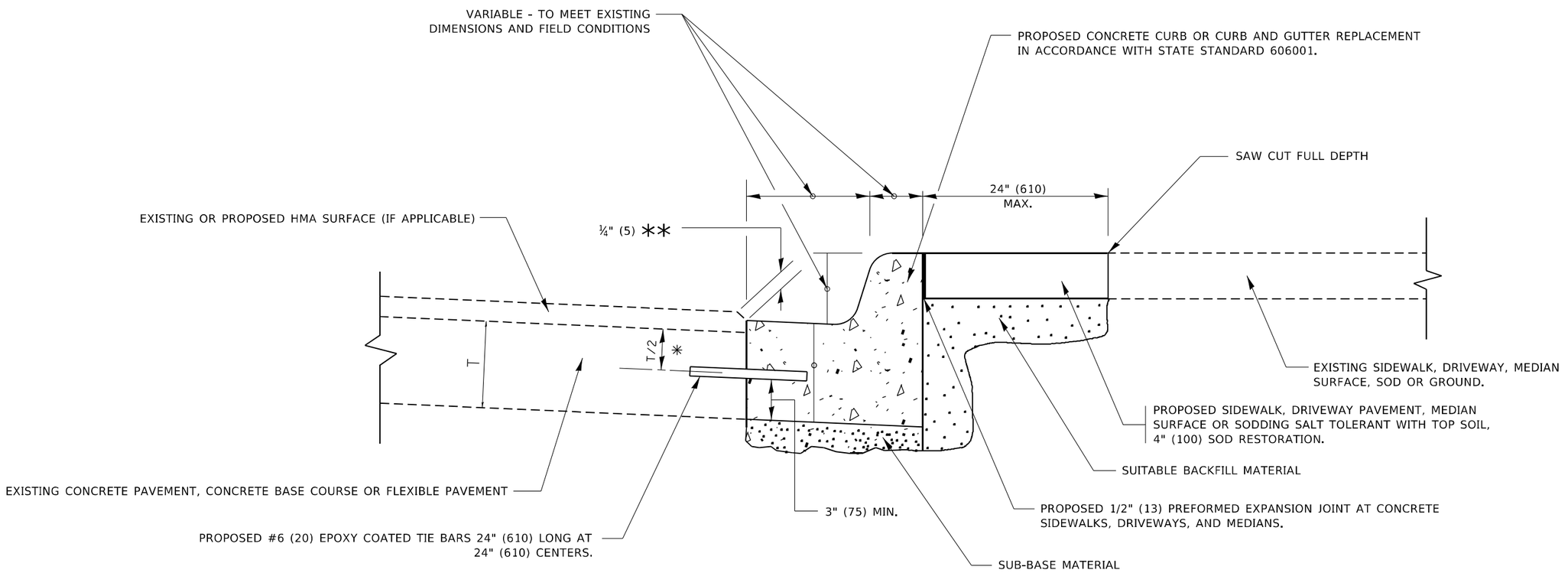
MODEL: Default
FILE NAME: pw:\\pwbnroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P125513\CADData\Design\DistStd.dgn

| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - R. BORO 01-01-07 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - R. BORO 09-04-07 | |
| PLOT DATE = 5/7/2021 | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 | |

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 115 |
| BD400-04 (BD-22) | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |




* 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.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
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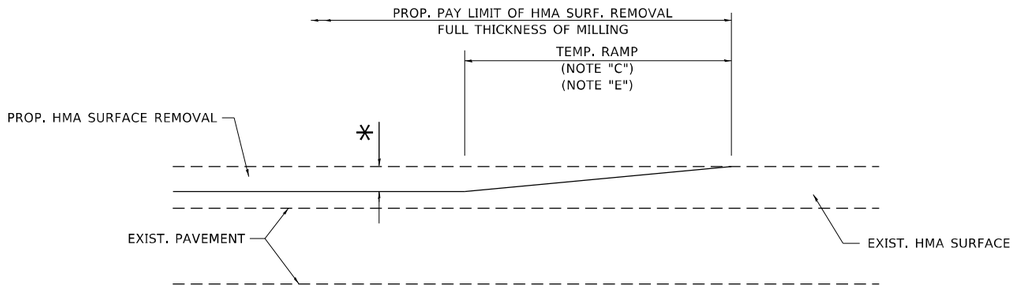
| | | | |
|---|---|---|---|
| USER NAME = tardqfm | DESIGNED - A. HOUSEH | REVISED - A. ABBAS 03-21-97 | |
| | DRAWN - | REVISED - M. GOMEZ 01-22-01 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - R. BORO 12-15-09 | |
| PLOT DATE = 5/7/2021 | DATE - 03-11-94 | REVISED - K. SMITH 07-11-19 | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**

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

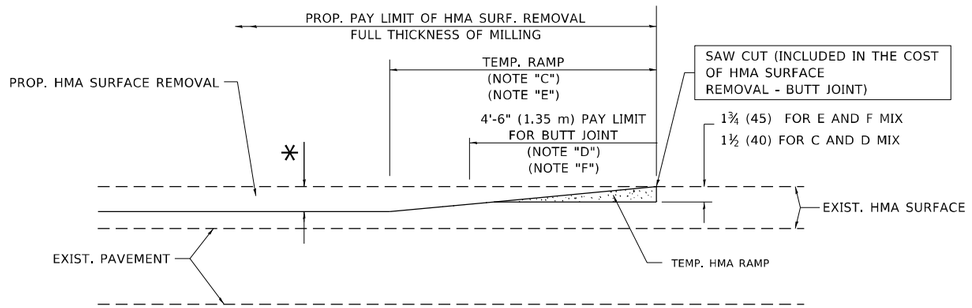
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 116 |
| | **BD600–06 (BD–24)** | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

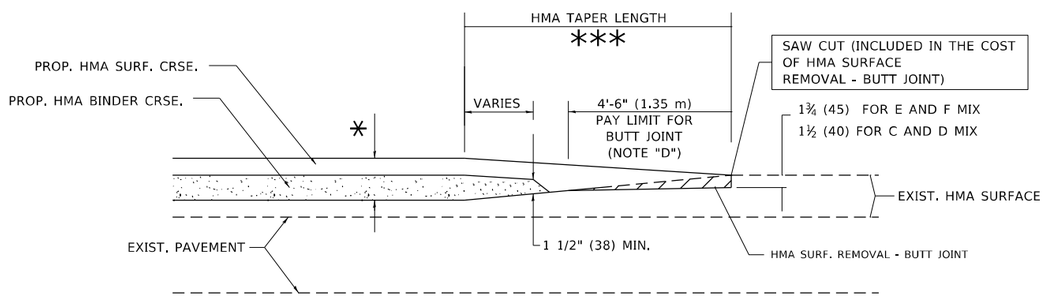



**HMA CONSTRUCTED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

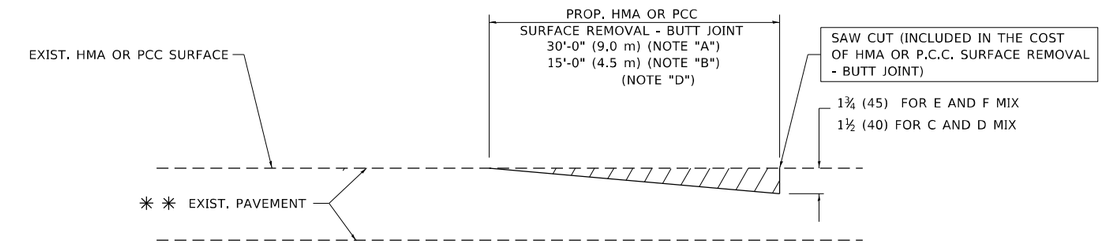
**OPTION 2**

# TYPICAL TEMPORARY RAMP

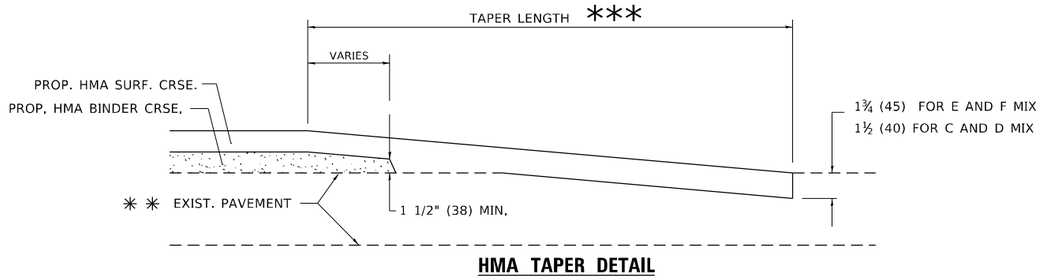



**BUTT JOINT AND HMA TAPER**

# TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING




**BUTT JOINT DETAIL**




**HMA TAPER DETAIL**

# TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

## NOTES

A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

## BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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


MODEL: Default
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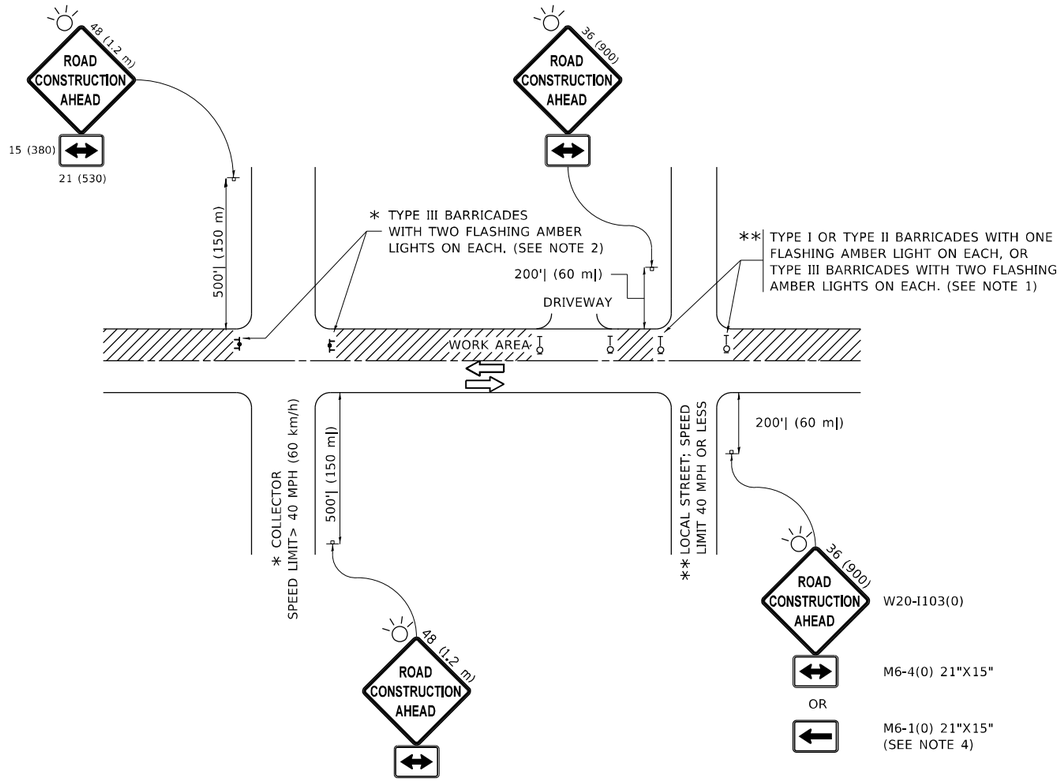
| | | | |
|---|---|---|---|
| USER NAME = tarlqfm | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 | |
| | DRAWN - | REVISED - A. ABBAS 03-21-97 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - M. GOMEZ 04-06-01 | |
| PLOT DATE = 5/7/2021 | DATE - 06-13-90 | REVISED - R.BORO 01-01-07 | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND HMA TAPER DETAILS**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 117 |
| | BD400-05 BD32 | CONTRACT NO. 62K02 | | |
| | 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.

MODEL: Default
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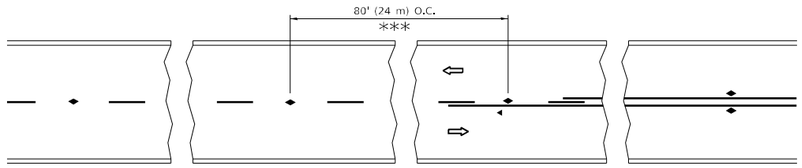
| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 | |
| PLOT DATE = 5/7/2021 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 | |

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

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

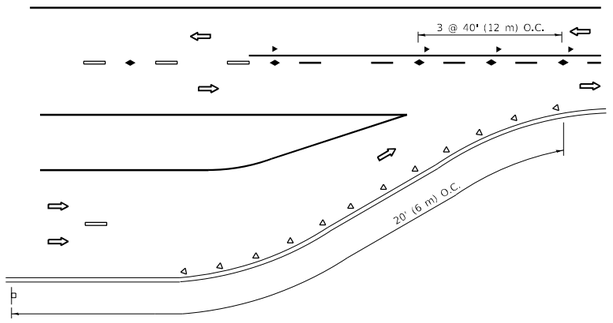
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 118 |
| | TC-10 | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |



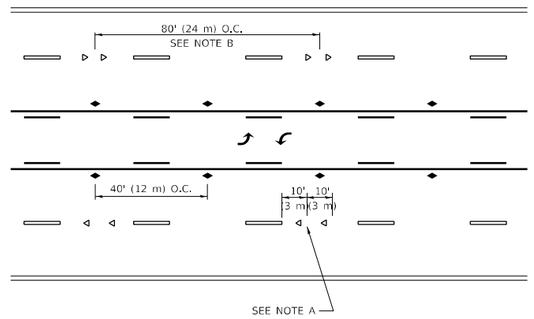

*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

## TWO–LANE/TWO–WAY

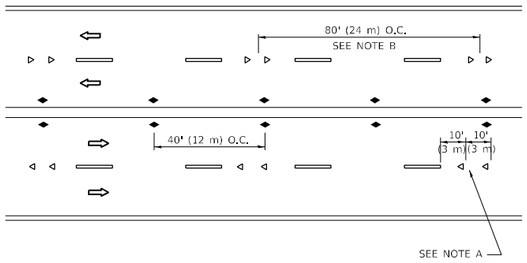
SEE FIGURE 3B-14 MUTCD



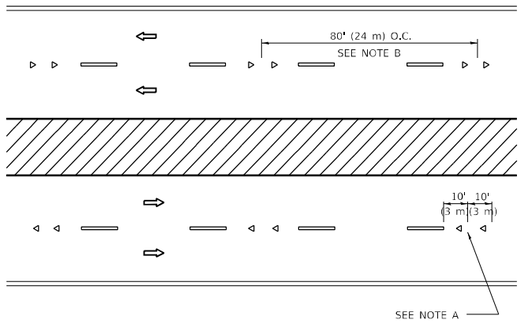

## LANE REDUCTION TRANSITION




## 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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

## SYMBOLS

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

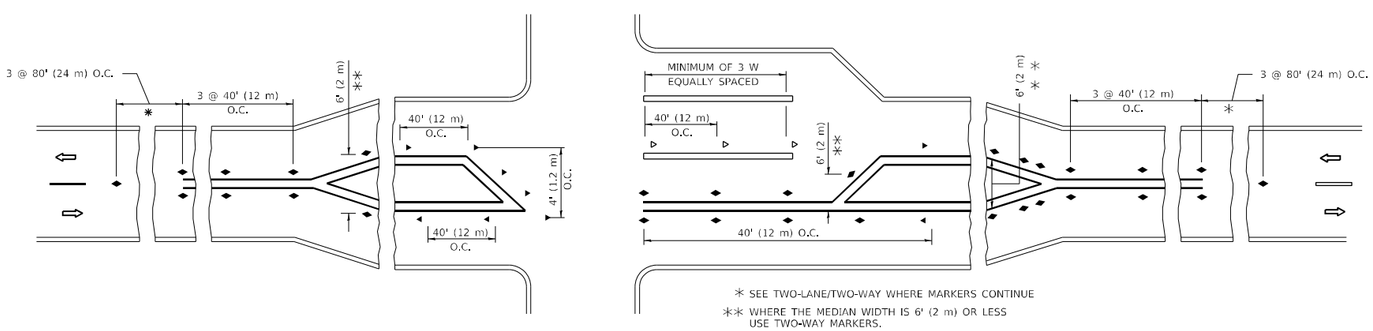
## LANE MARKER NOTES

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.




* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

## TURN LANES

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

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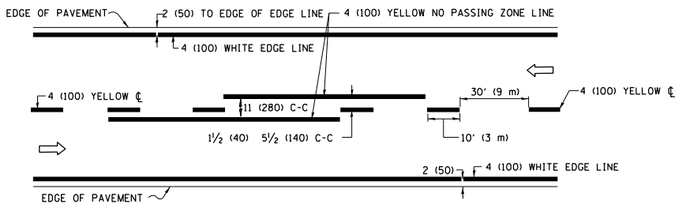
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - T. RAMMACHER 03-12-99 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - C. JUCIUS 09-09-09 | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - C. JUCIUS 07-01-13 | |

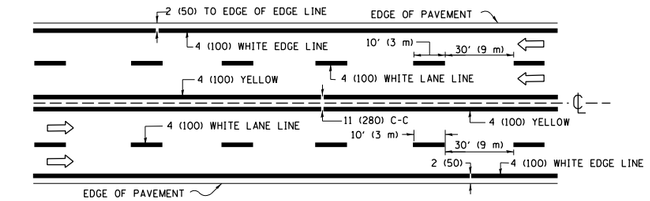
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

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

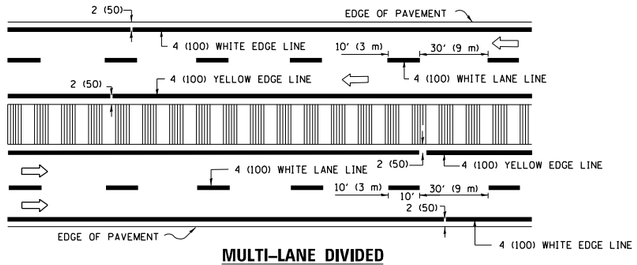
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 119 |
| | TC–11 | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## 2–LANE ROADWAY

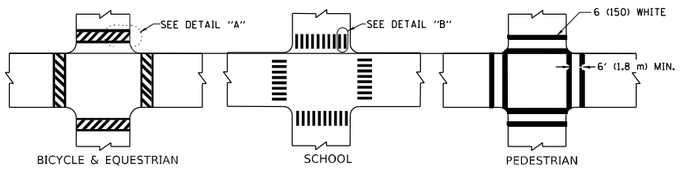


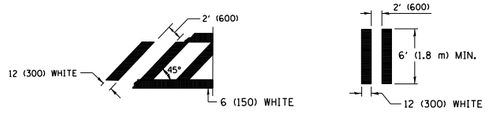

## MULTI–LANE UNDIVIDED




## MULTI–LANE DIVIDED
WITH MEDIAN

## TYPICAL LANE AND EDGE LINE MARKING

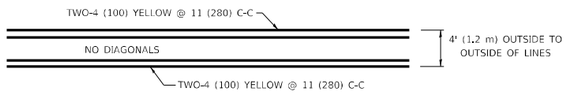


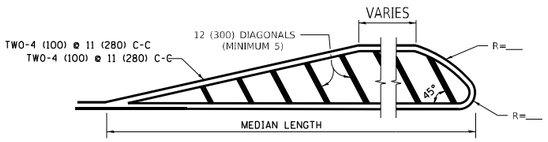

**DETAIL "A"** **DETAIL "B"**

## TYPICAL CROSSWALK MARKING

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



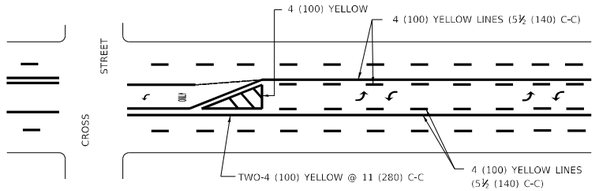

## 4' (1.2 m) WIDE MEDIANS ONLY



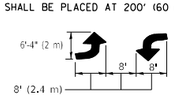

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

## MEDIANS OVER 4' (1.2 m) WIDE

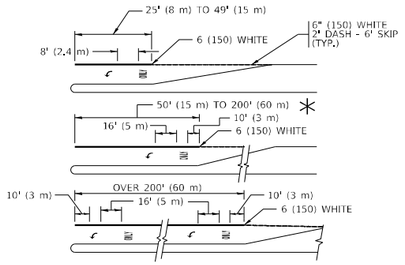



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.




## MEDIAN WITH TWO–WAY LEFT TURN LANE

## TYPICAL PAINTED MEDIAN MARKING

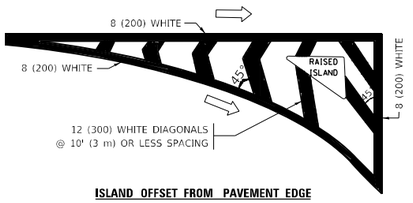



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m ²

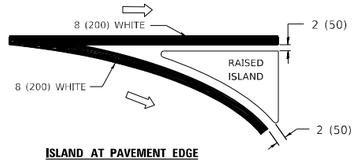
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

## TYPICAL LEFT (OR RIGHT) TURN LANE

## TYPICAL TURN LANE MARKING

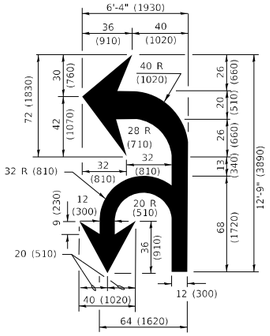



**ISLAND OFFSET FROM PAVEMENT EDGE**

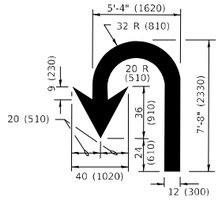



**ISLAND AT PAVEMENT EDGE**

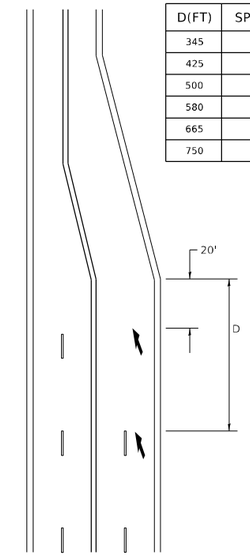
## TYPICAL ISLAND MARKING




## COMBINATION LEFT AND U–TURN




## U–TURN




## LANE REDUCTION TRANSITION

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

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

| 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:<br>FOR ONE DIRECTION<br>FOR BOTH DIRECTIONS | 4 (100)<br>2 @ 4 (100) | SOLID<br>SOLID | YELLOW<br>YELLOW | 5½ (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100)<br>5 (125) ON FREEWAYS | SKIP-DASH<br>SKIP-DASH | WHITE<br>WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES<br>(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<br>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)<br>EACH DIRECTION<br><br>8' (2,4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW<br><br>WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE<br>SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90° | SOLID<br>SOLID<br>SOLID | WHITE<br>WHITE<br>WHITE | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>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°<br>NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))<br>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<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m ² EACH<br>"X"=54.0 SQ. FT. (5.0 m ² |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8' ) | 12 (300) @ 45° | SOLID | WHITE - RIGHT<br>YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>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.

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = tarlqfm | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 | |
| | DRAWN - | REVISED - C. JUCIUS 07-01-13 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - C. JUCIUS 12-21-15 | |
| PLOT DATE = 5/7/2021 | DATE - 03-19-90 | REVISED - C. JUCIUS 04-12-16 | |

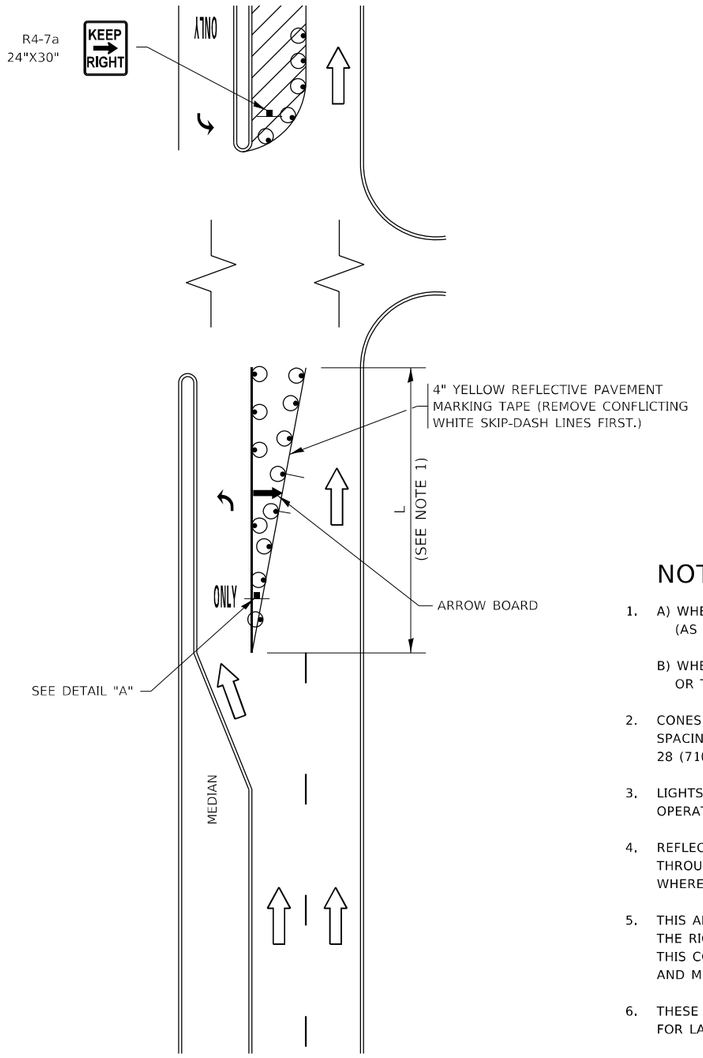
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**
**TYPICAL PAVEMENT MARKINGS**

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 120 |
| | TC–13 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER




## FIGURE 1

## LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

## NOTES:

1. A) WHEN "L" IS ≤ 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.

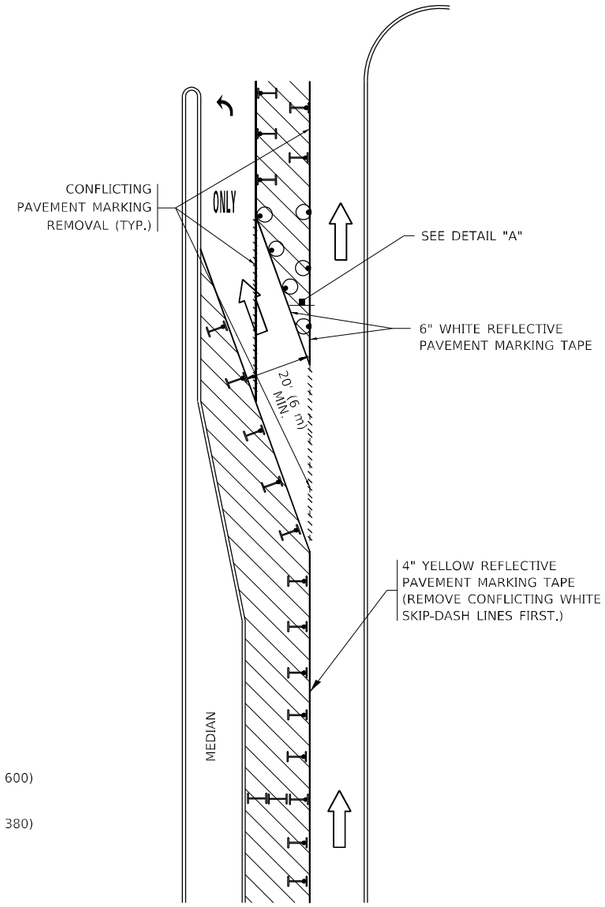
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

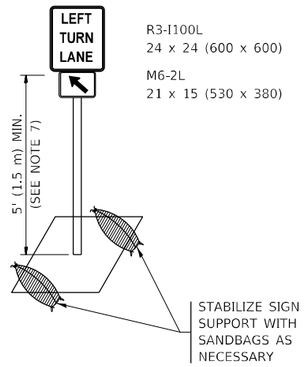
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

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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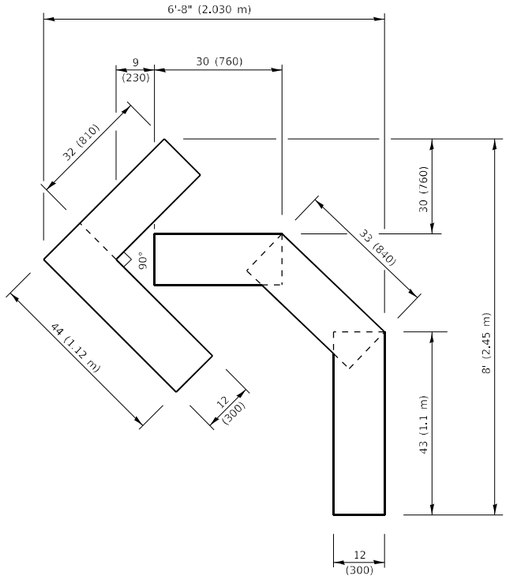
| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 | |
| | DRAWN - A. HOUSEH 11-07-95 | REVISED - A. SCHUETZE 07-01-13 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - A. HOUSEH 10-12-96 | REVISED - A. SCHUETZE 09-15-16 | |
| PLOT DATE = 5/7/2021 | DATE - T. RAMMACHER 01-06-00 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)**

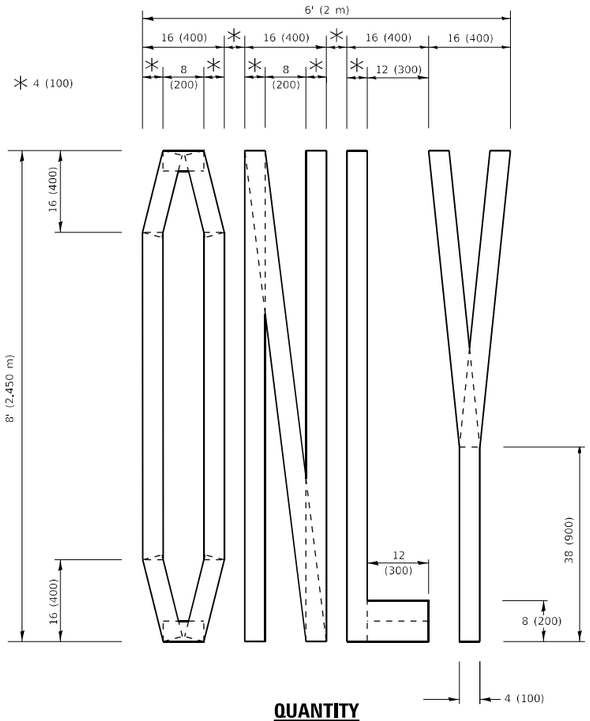
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 121 |
| | TC-14 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |



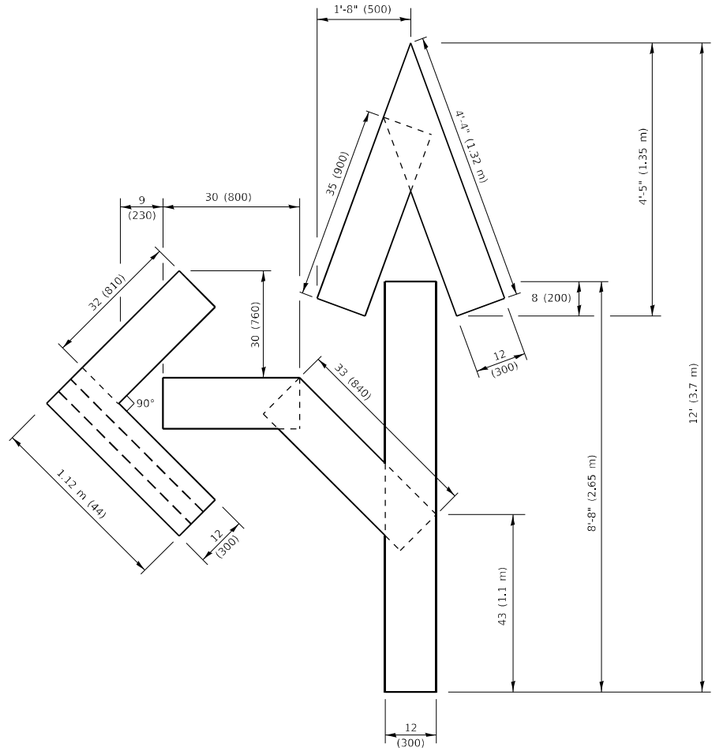

**QUANTITY**

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)

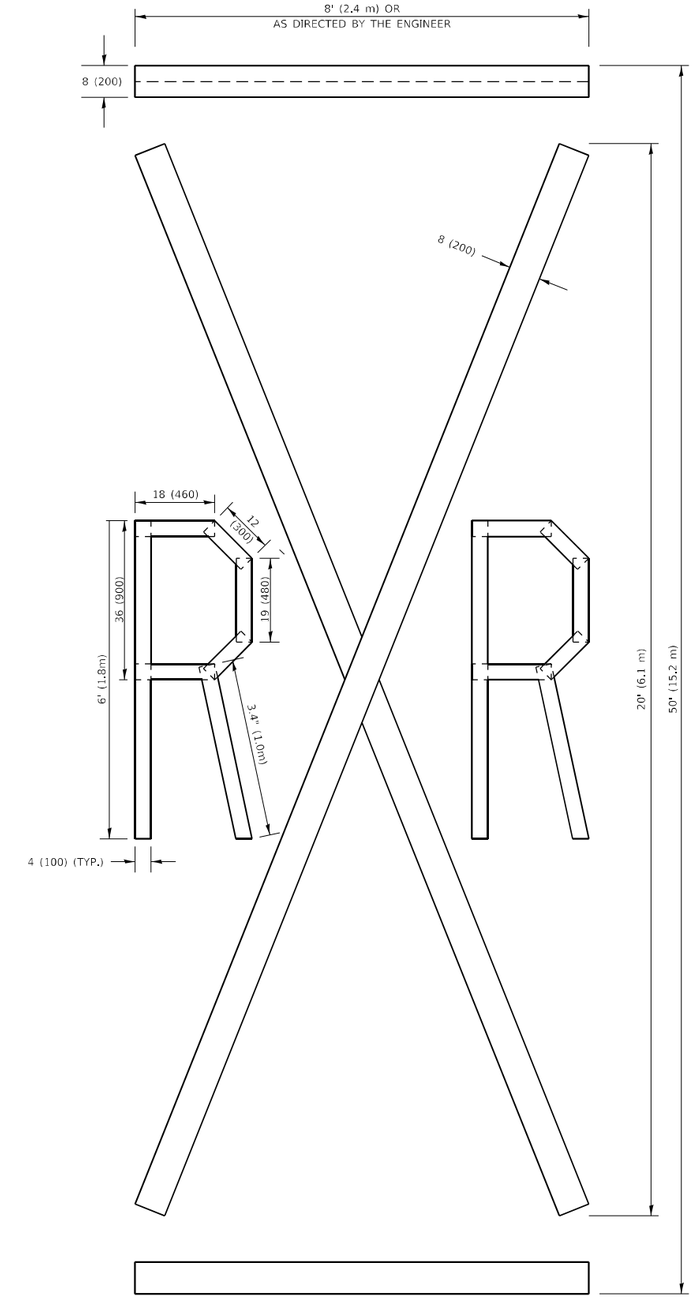



**QUANTITY**

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.

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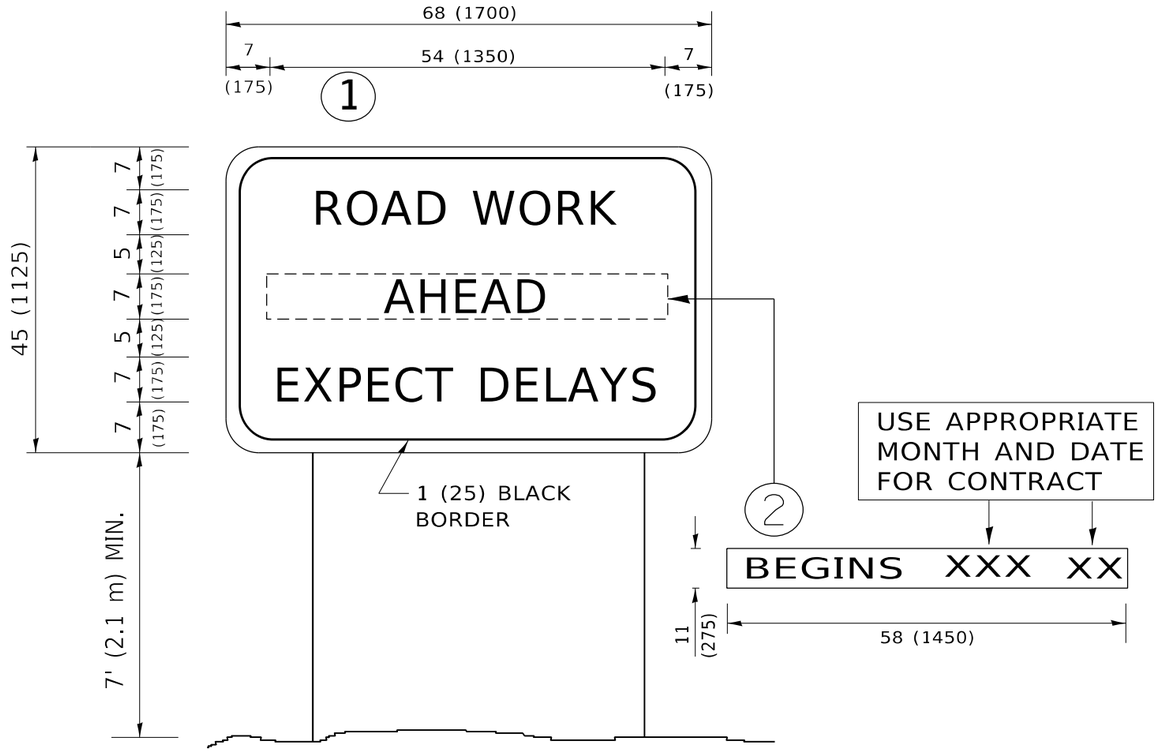
|---|---|---|---|
| USER NAME = tarlqfm | DESIGNED - | REVISED - T. RAMMACHER 03-02-98 | |
| | DRAWN - | REVISED - E. GOMEZ 08-28-00 | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - E. GOMEZ 08-28-00 | |
| PLOT DATE = 5/7/2021 | DATE - 09-18-94 | REVISED - A. SCHUETZE 09-15-16 | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 122 |
| | **TC-16** | CONTRACT NO. 62K02 | | |
| | 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.

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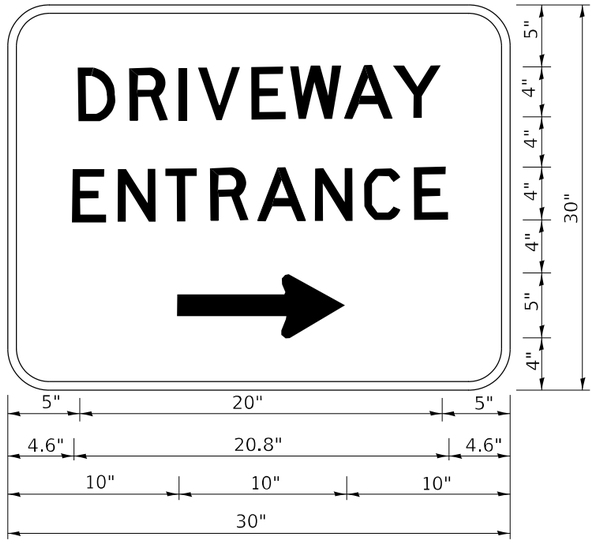
| | | | |
|---|---|---|---|
| USER NAME = tarlqfm | DESIGNED - | REVISED - | R. MIRS 09-15-97 |
| | DRAWN - | REVISED - | R. MIRS 12-11-97 |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | T. RAMMACHER 02-02-99 |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD INFORMATION SIGN**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 123 |
| | TC-22 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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| | | | |
|---|---|---|---|
| USER NAME = tariqfm | DESIGNED - | REVISED - | C. JUCIUS 02-15-07 |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 5/7/2021 | DATE - | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

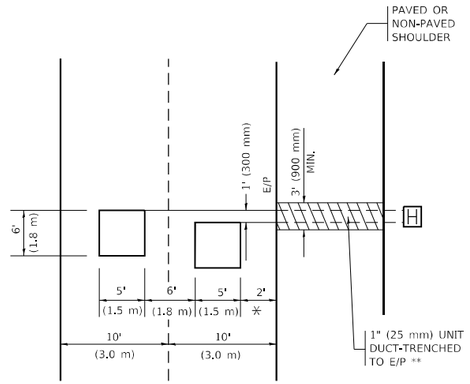
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 124 |
| | TC-26 | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |

## LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



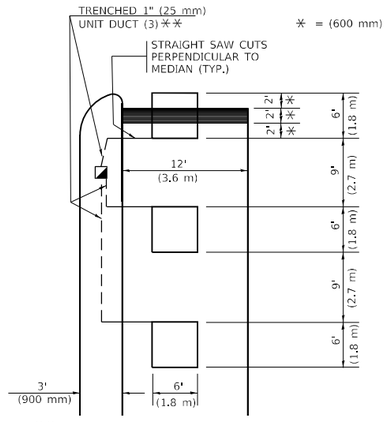

* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

## LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



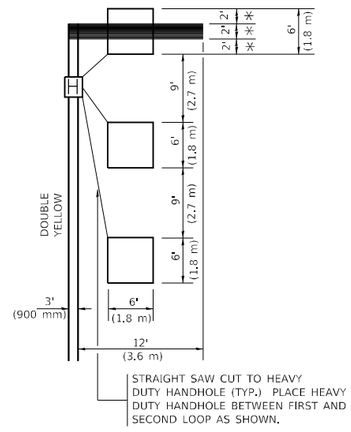

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

## LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY (''FAR OUT'' DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)




NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

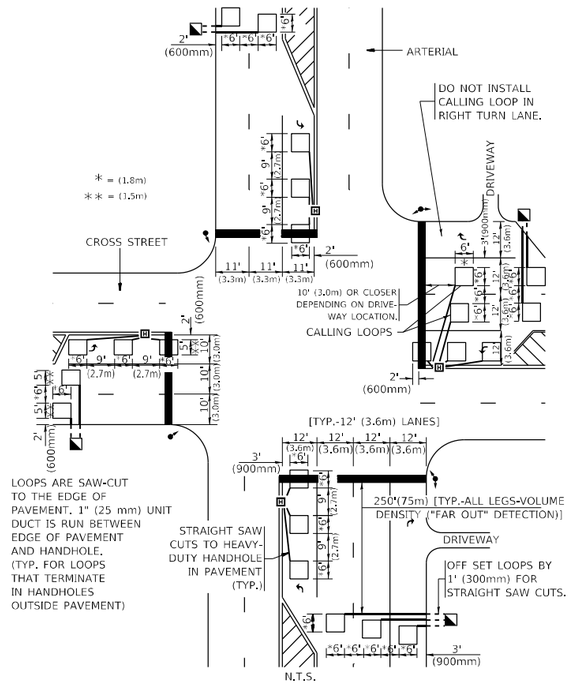
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

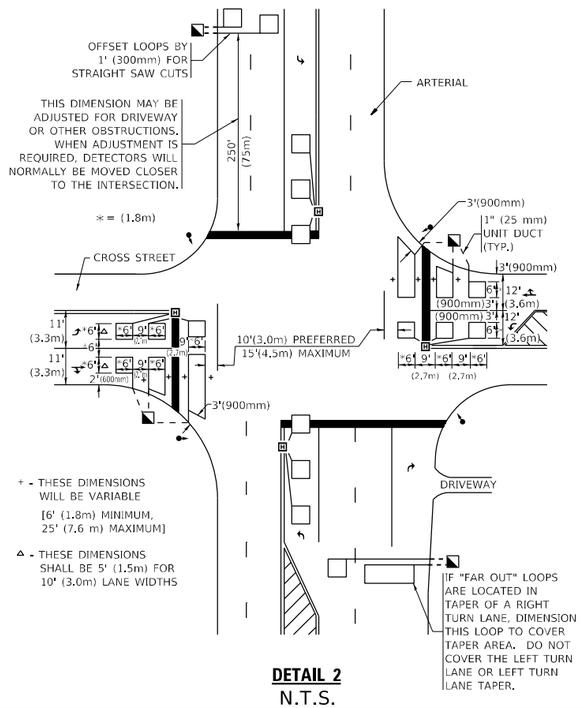
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)




**DETAIL 1**
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)




**DETAIL 2**
N.T.S.

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|---|---|---|---|
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| | DRAWN - | | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | R.K.F. | REVISED - |
| PLOT DATE = 5/7/2021 | DATE - | | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 125 |
| | TS–07 | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
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| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS | | |
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| NO. | TEMPLATE | | |
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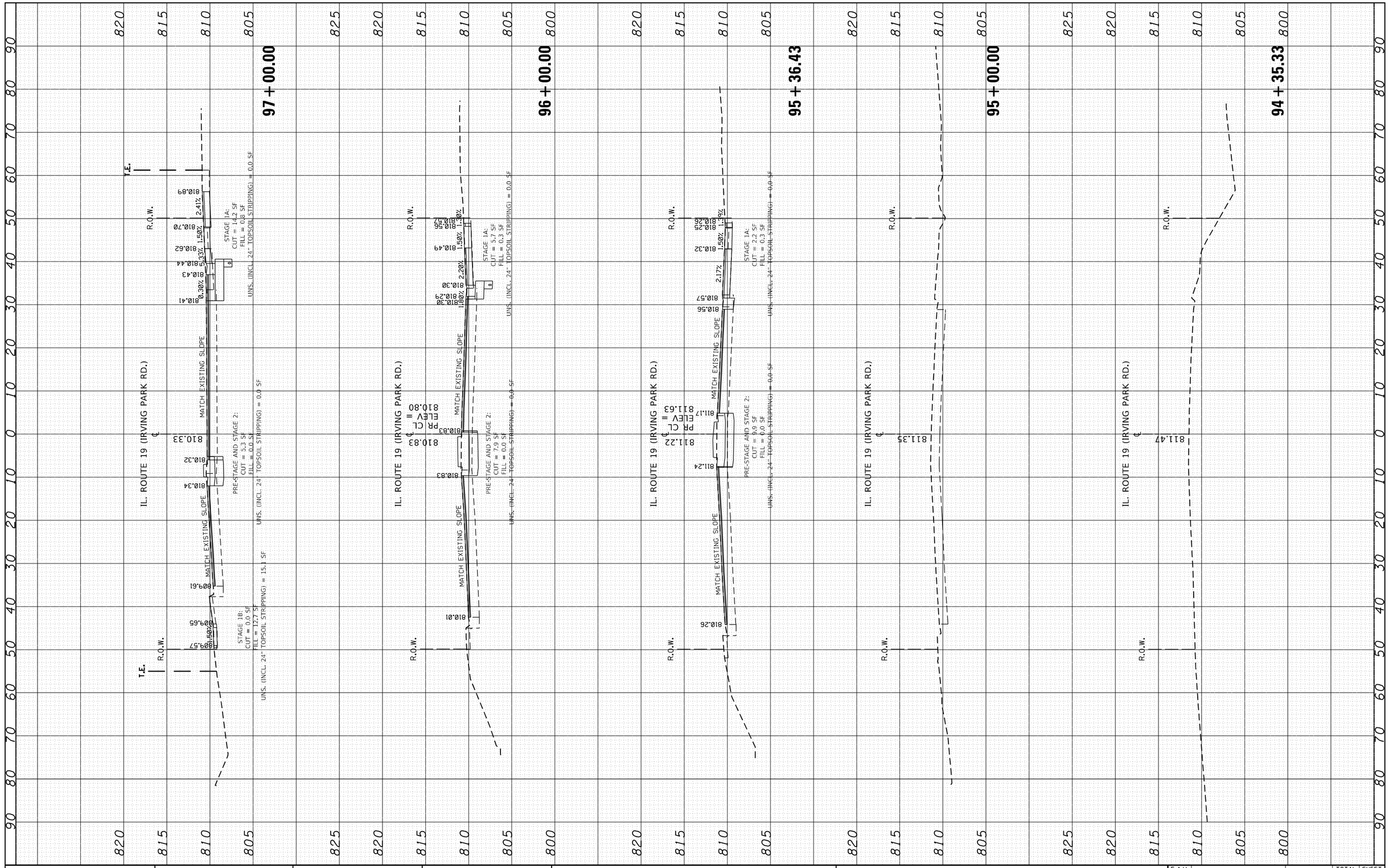


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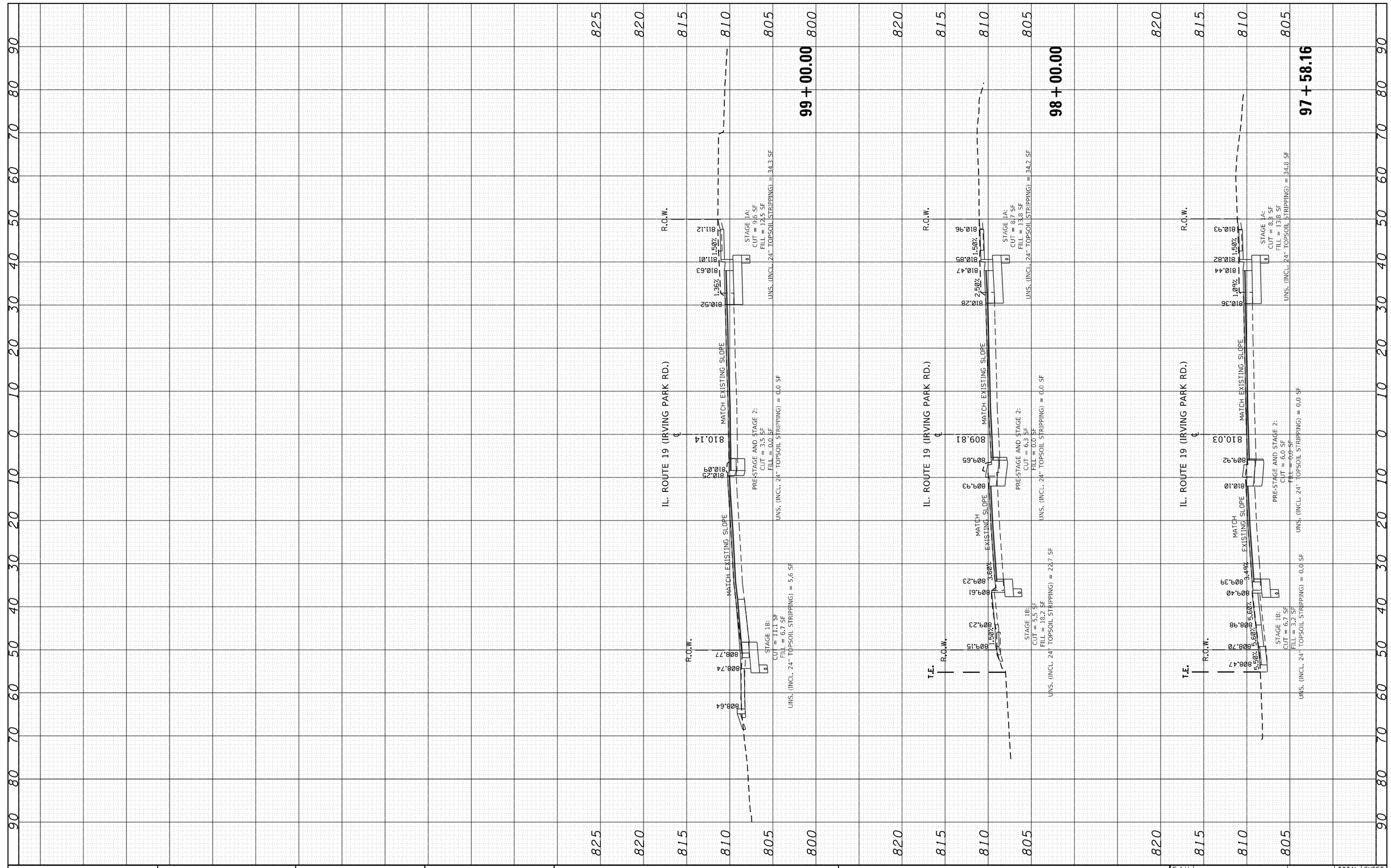
| Default | PLOT DATE = 5/7/2021 | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 94+35.33 | TO STA. 97+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 126 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |




| FINAL SURVEY | SURVEYED | BY | DATE |
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| NOTE BOOK | PLOTTED | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
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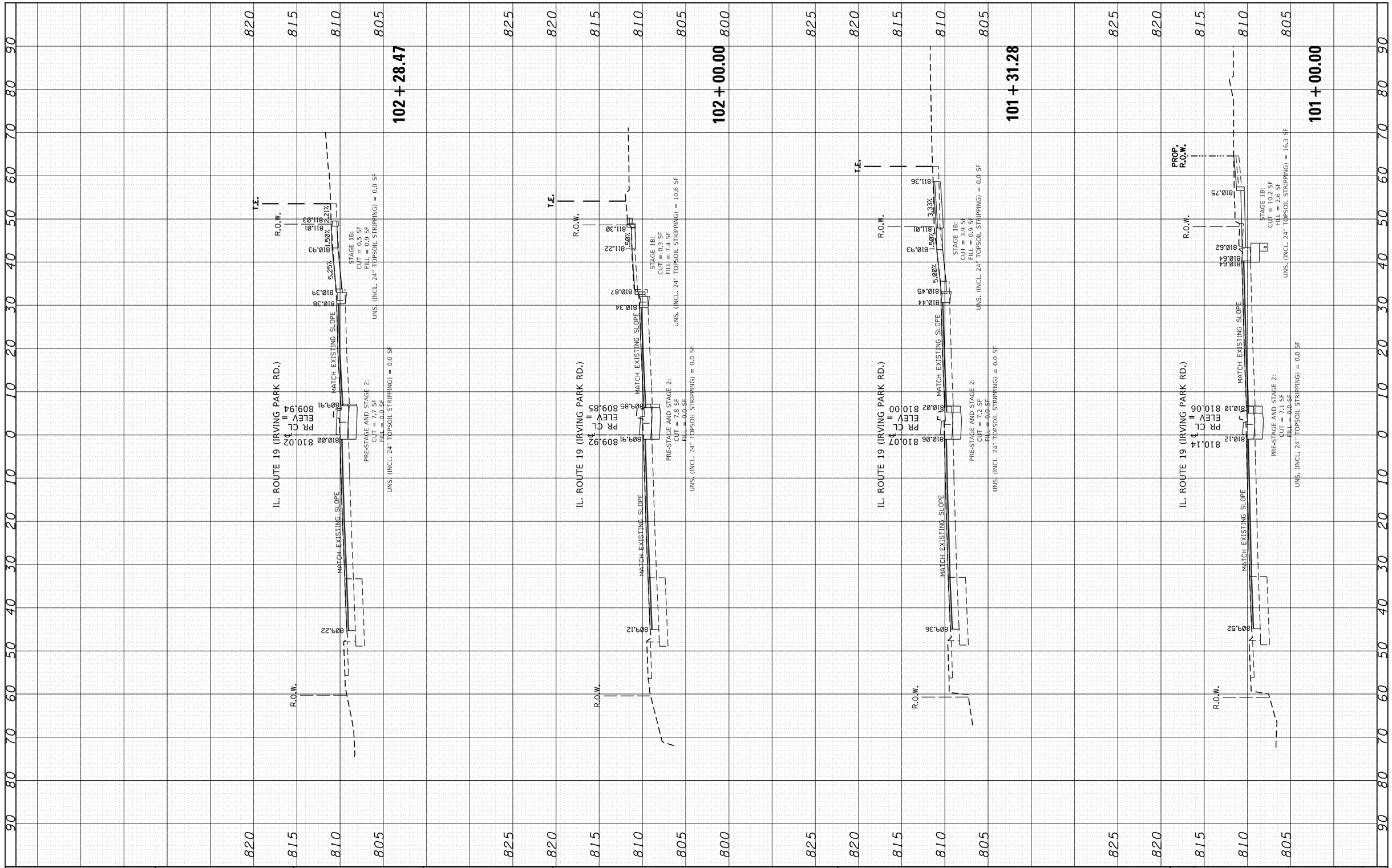
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - |
| Default | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 97+58.16 | TO STA. 100+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 127 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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| NOTE BOOK | TEMPLATE | | |
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| NO. | AREAS CHECKED | | |

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| NOTE BOOK | TEMPLATE | | |
| | AREAS | | |
| NO. | AREAS CHECKED | | |

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| | PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISED - |
| Default | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 101+00.00 TO STA. 102+28.47

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 128 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | | BY | DATE |
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| NOTE BOOK | SURVEYED | | |
| NO. | PLOTTED | | |
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| ORIGINAL SURVEY | | BY | DATE |
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| | TEMPLATE | | |
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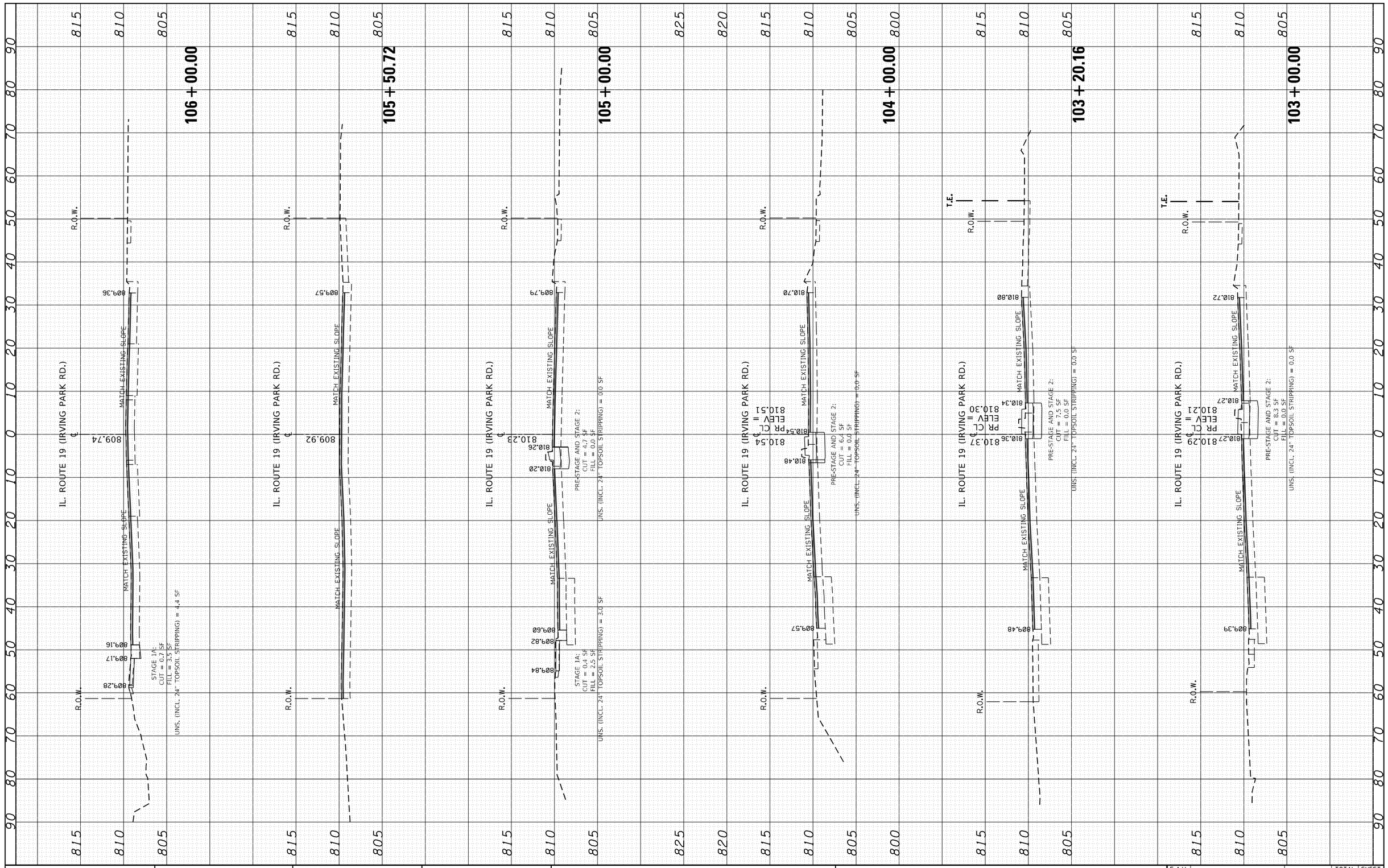


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| | | DRAWN - | REVISED - |
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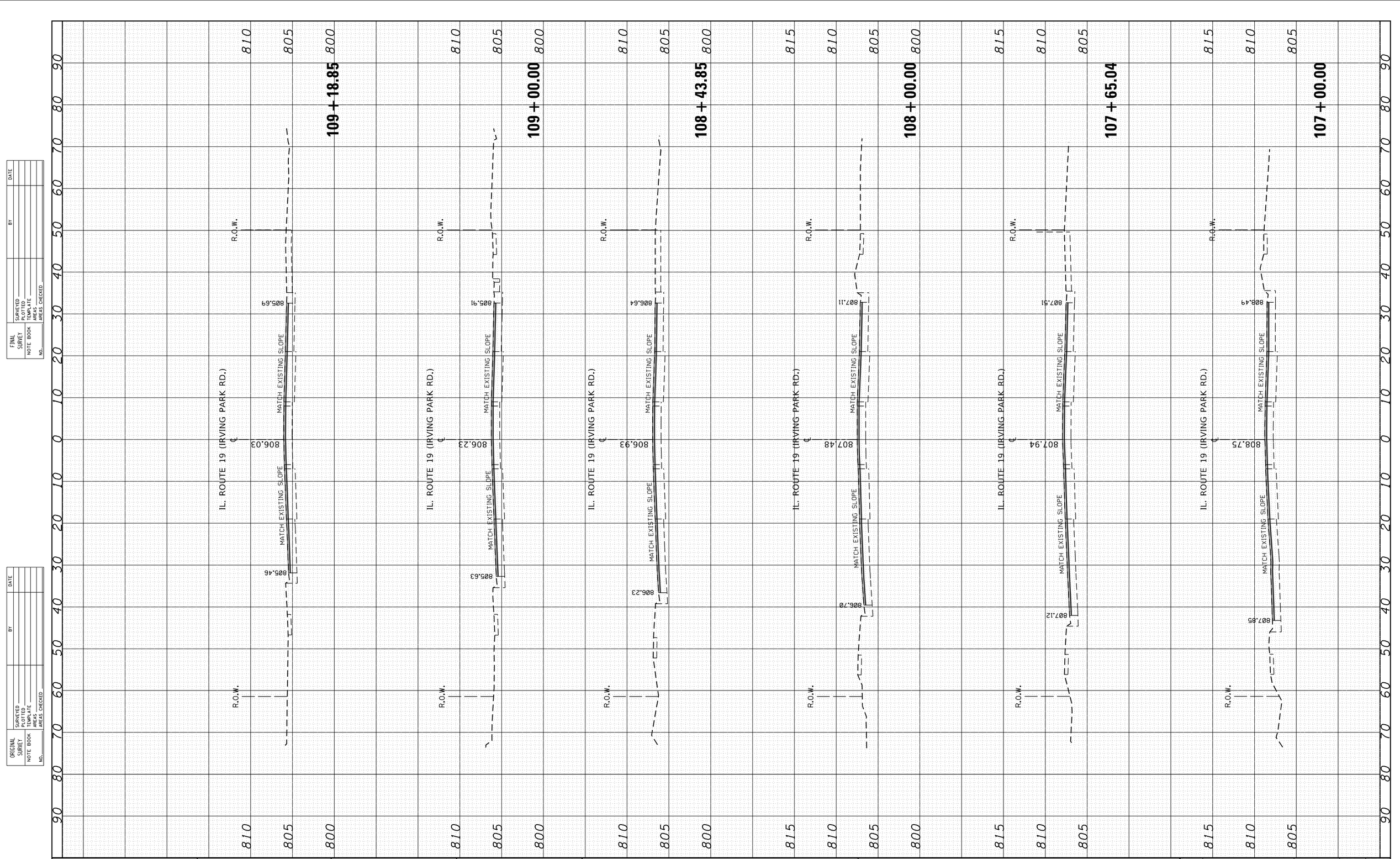
| Default | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 103+00.00 TO STA. 106+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 129 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |




FINAL SURVEY

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ORIGINAL SURVEY

| | | BY | DATE |
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| Default | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 107+00.00 TO STA. 109+18.85

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 130 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | SURVEYED | BY | DATE |
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| NO. | TEMPLATE | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
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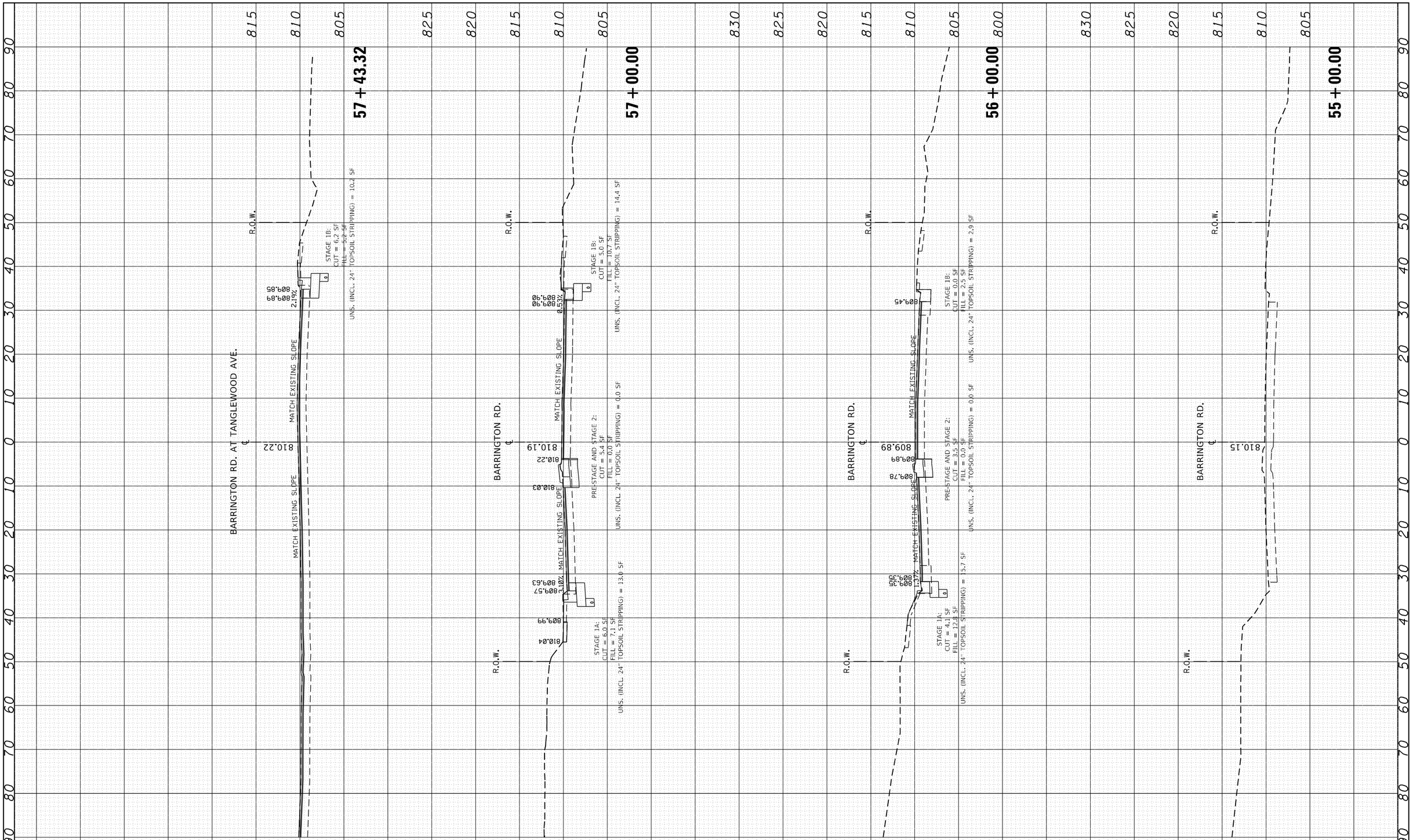


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| Default | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 55+00.00 | TO STA. 57+43.32

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 131 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | SURVEYED | BY | DATE |
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| | AREAS CHECKED | | |

| ORIGINAL SURVEY | SURVEYED | BY | DATE |
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| NOTE BOOK | PLOTTED | | |
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| Default | PLOT DATE = 7/19/2021 | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 57+83.40 TO STA. 59+57.94

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 132 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | SURVEYED | BY | DATE |
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| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
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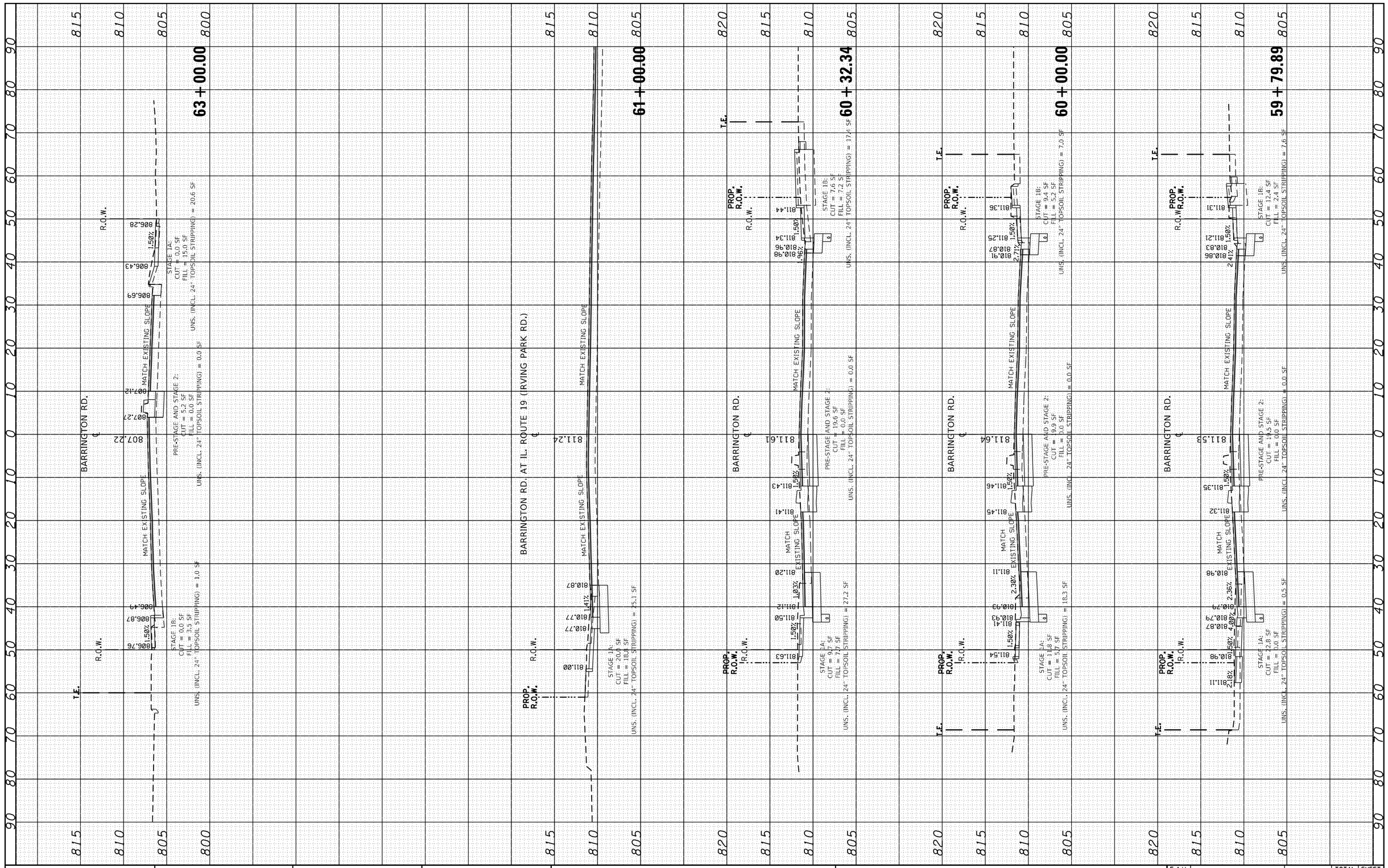


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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 59+79.89 | TO STA. 63+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 133 |
| | | CONTRACT NO. 62K02 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| FINAL SURVEY | | BY | DATE |
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| NOTE BOOK | SURVEYED | | |
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| | TEMPLATE | | |
| | AREAS | | |
| NO. | AREAS CHECKED | | |

| ORIGINAL SURVEY | | BY | DATE |
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| NOTE BOOK | SURVEYED | | |
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| | PLOT DATE = 5/7/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 63+52.85 TO STA. 66+21.89

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 134 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS FED. AID PROJECT | | |

| FINAL SURVEY | SURVEYED | BY | DATE |
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| NO. | TEMPLATE | | |
| | AREAS | | |
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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
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| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
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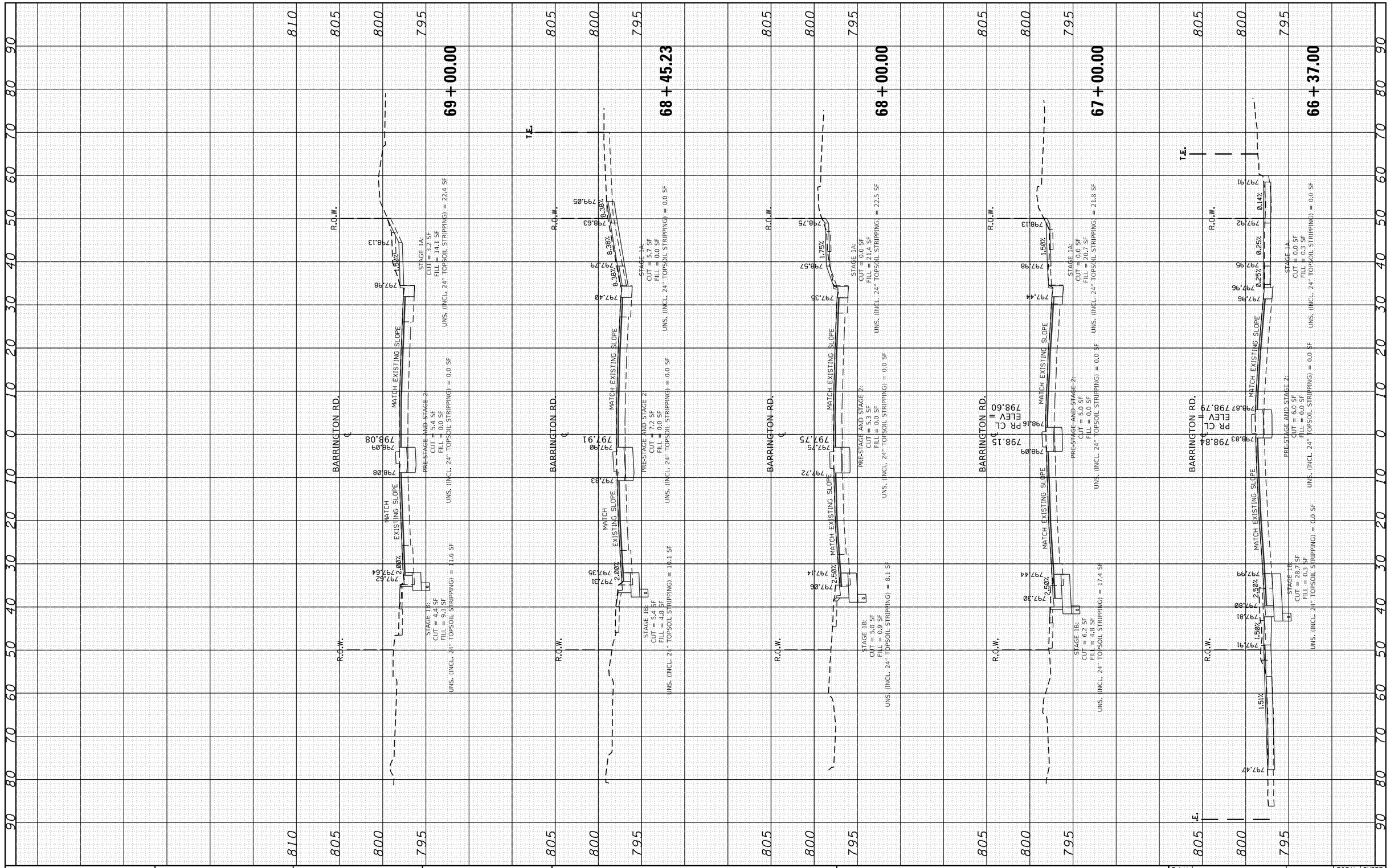


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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED CROSS SECTIONS**
**IL. ROUTE 19 (IRVING PARK RD.) AT BARRINGTON RD.**

SCALE: | SHEET OF SHEETS | STA. 66+37.00 | TO STA. 69+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1321 | 2019-129-TS&N | COOK | 135 | 135 |
| | | CONTRACT NO. 62K02 | | |
| | | ILLINOIS | FED. AID PROJECT | |