

LEGEND

SODDING, SALT TOLERANT

NOTE:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.



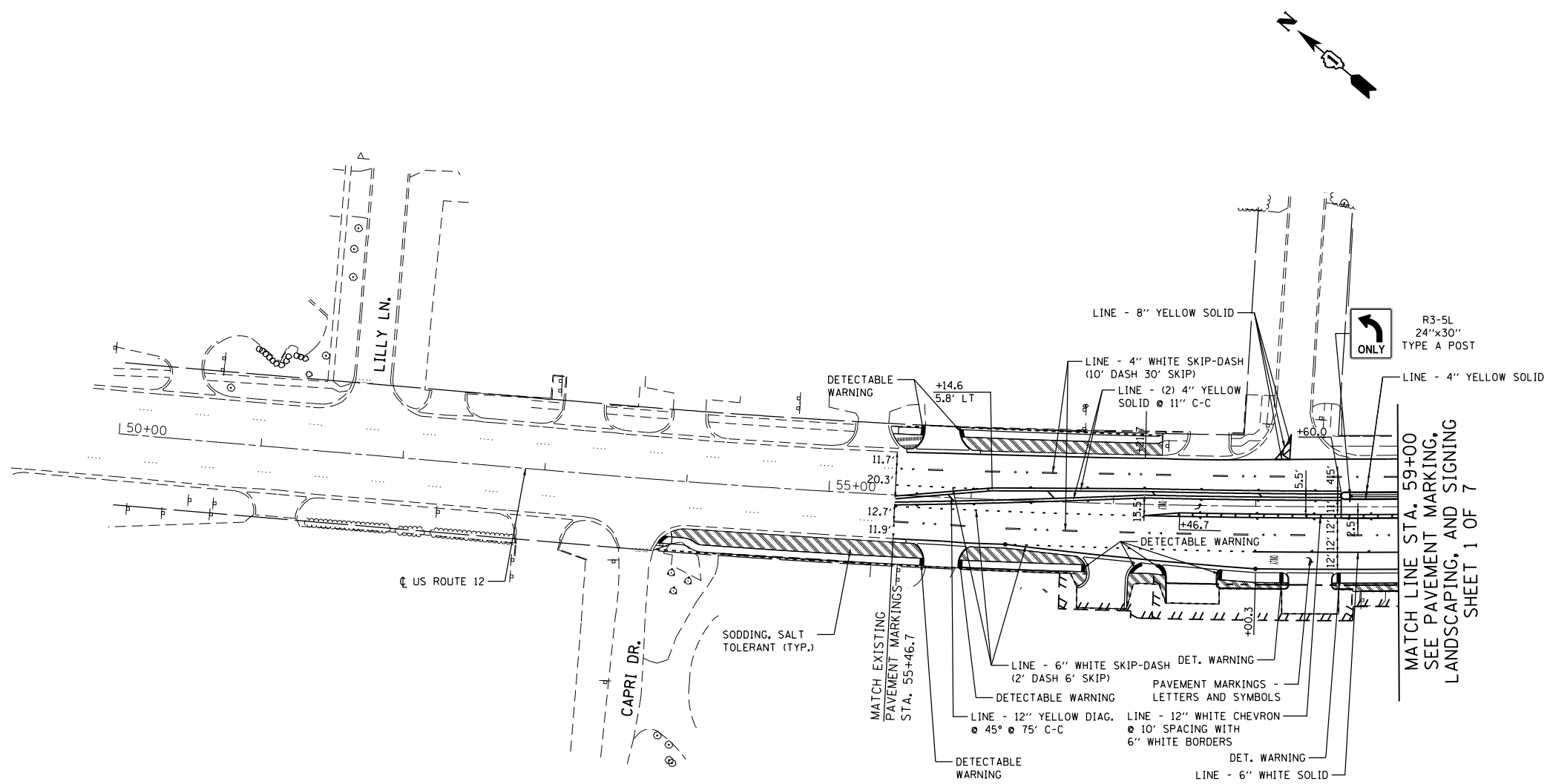
| | | |
|------------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/25/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**IL 53 / IL 68
PAVEMENT MARKING, LANDSCAPING, AND SIGNING**

SCALE: 1" = 50' SHEET 3 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 101 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

 SODDING, SALT TOLERANT

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| | | |
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| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - MHL | REVISED - |
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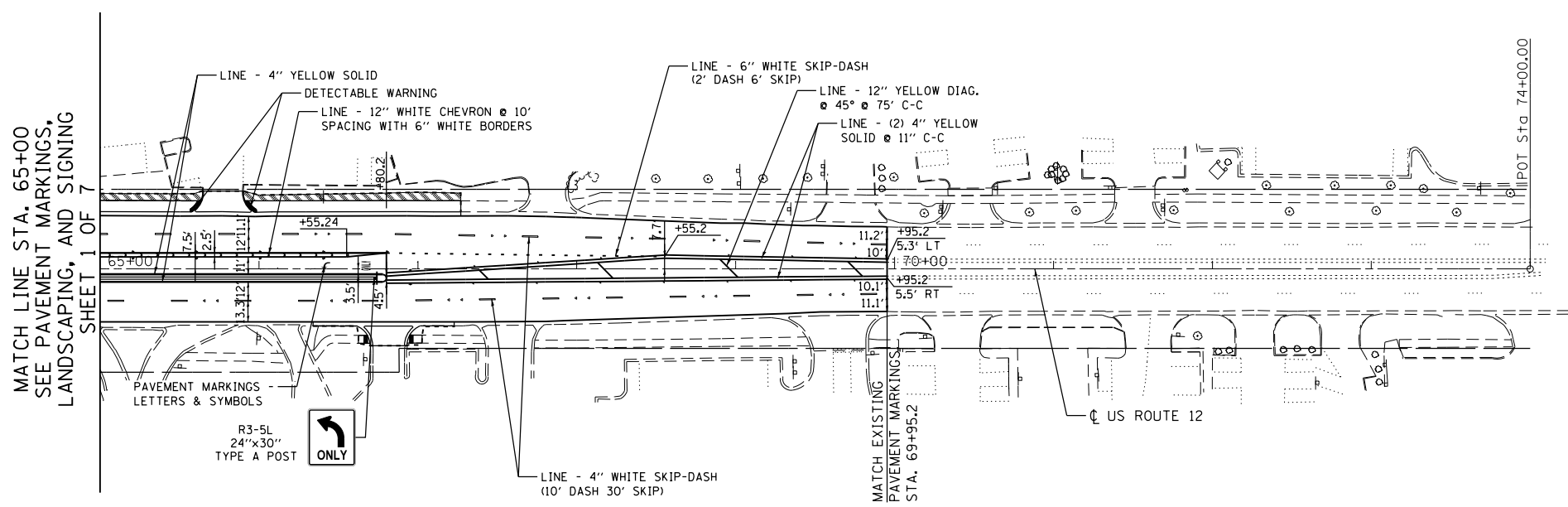
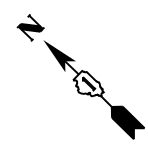
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAND ROAD (US 12)
PAVEMENT MARKING, LANDSCAPING, AND SIGNING**

SCALE: 1" = 50' SHEET 4 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 102 |
| CONTRACT NO. 62A26 | | | | |

ILLINOIS FED. AID PROJECT



MATCH LINE STA. 65+00
SEE PAVEMENT MARKINGS,
LANDSCAPING, AND SIGNING
SHEET 1 OF 7

MATCH EXISTING
PAVEMENT MARKINGS
STA. 69+95.2

POT STA. 74+00.00

LEGEND

SODDING, SALT TOLERANT

NOTE:

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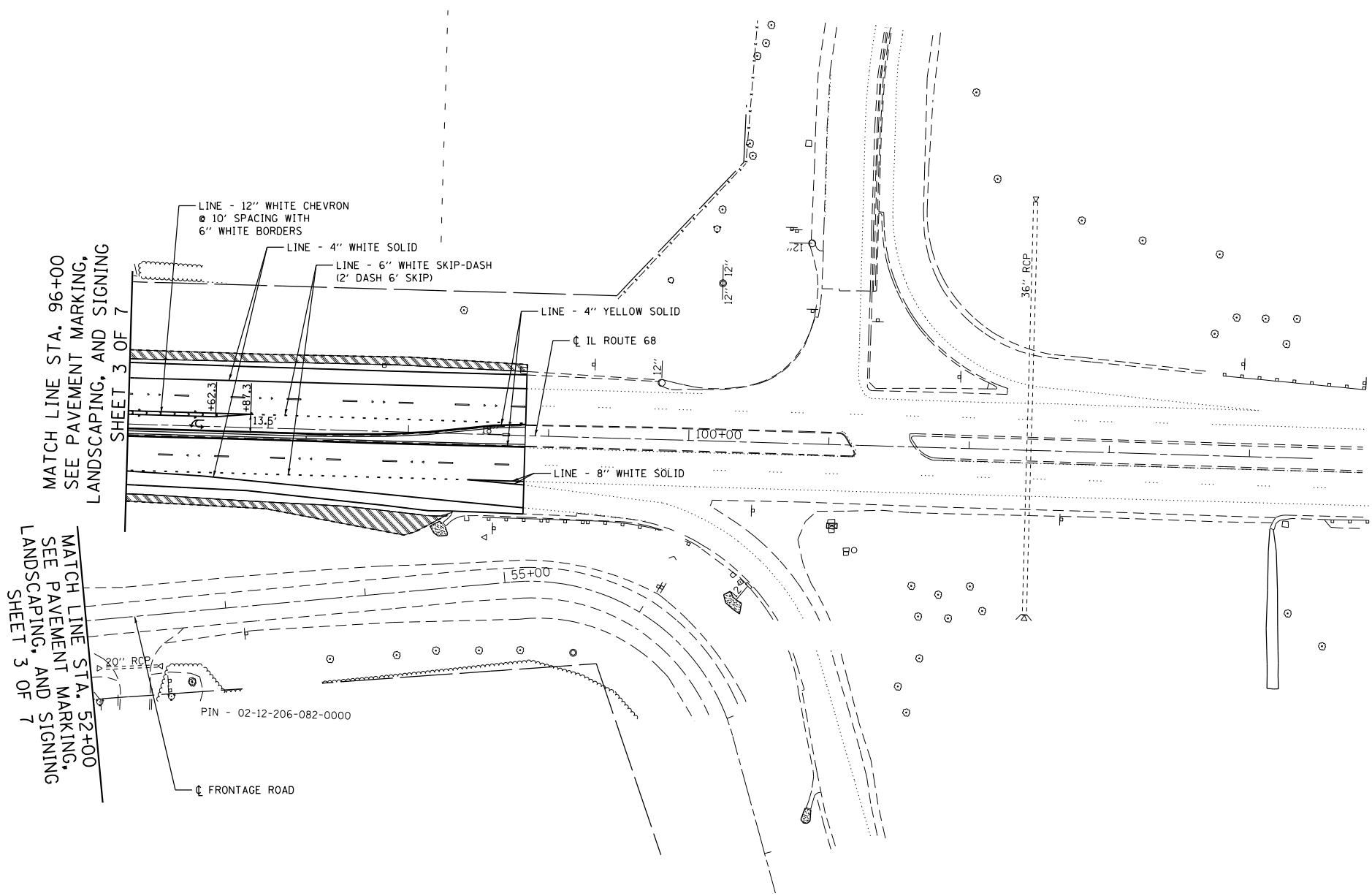
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|------------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 100.0001' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/25/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAND ROAD (US 12)
PAVEMENT MARKING, LANDSCAPING, AND SIGNING**

SCALE: 1" = 50' SHEET 5 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 103 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

SODDING, SALT TOLERANT

NOTE:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.



| | | |
|------------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/25/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRONTAGE ROAD
PAVEMENT MARKING, LANDSCAPING, AND SIGNING**

SCALE: 1" = 50' SHEET 6 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 104 |
| CONTRACT NO. 62A26 | | | | |

ILLINOIS FED. AID PROJECT

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|------------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**KENNEDY DRIVE
PAVEMENT MARKING, LANDSCAPING, AND SIGNING**

SCALE: 1" = 50' SHEET 7 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|--------------------|
| 343 | 3041-N-2 | COOK | 226 | 105 |
| ILLINOIS FED. AID PROJECT | | | | CONTRACT NO. 62A26 |

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

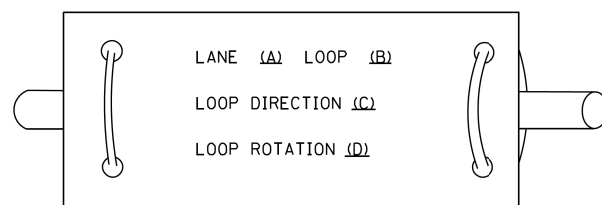
| ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED |
|---|----------|----------|--|----------|----------|---|----------|----------|
| CONTROLLER CABINET | | | HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD | | |
| COMMUNICATION CABINET | |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

TS SHT NO.1

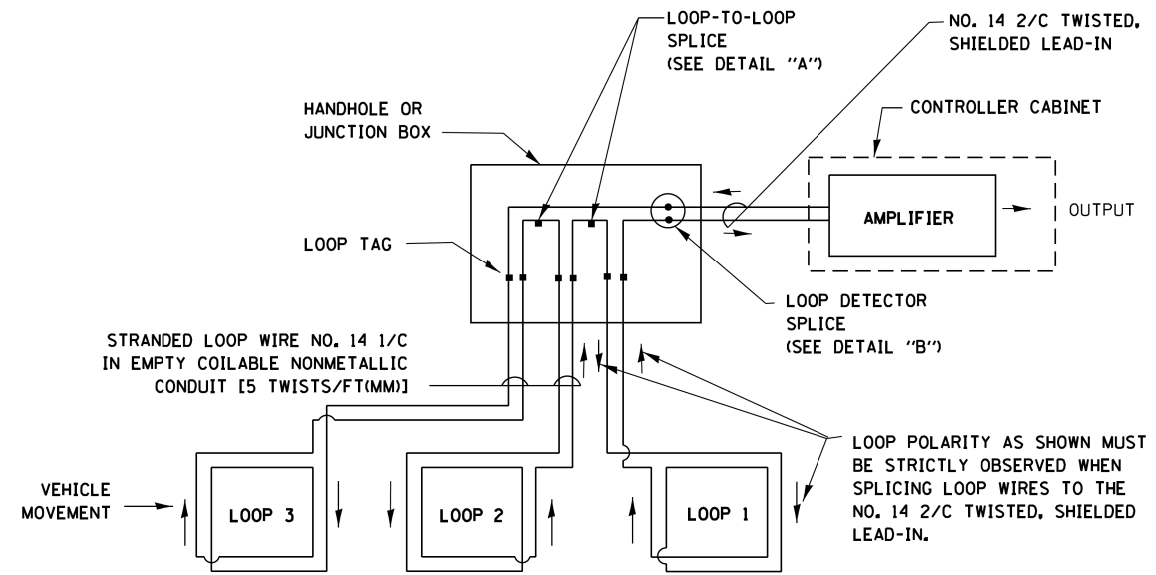
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

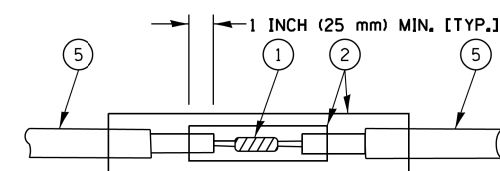


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

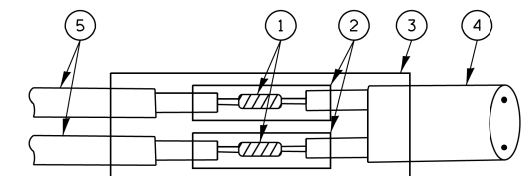


DETECTOR LOOP WIRING SCHEMATIC

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

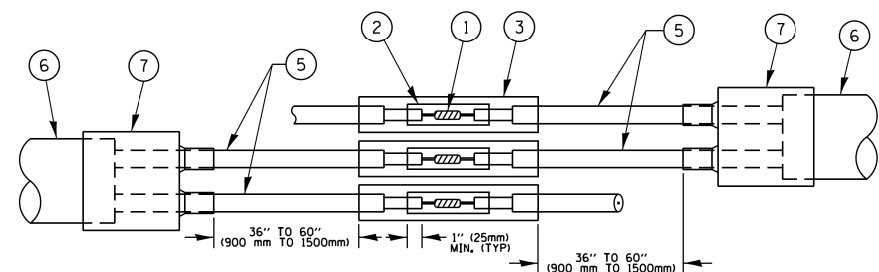


DETAIL "A"
LOOP-TO-LOOP SPLICE

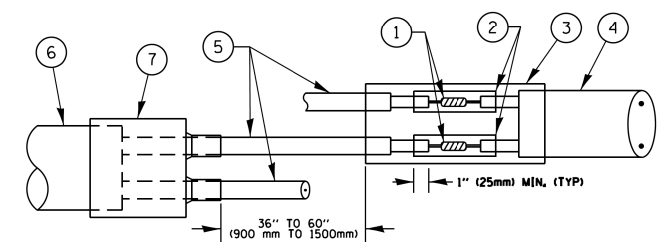


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

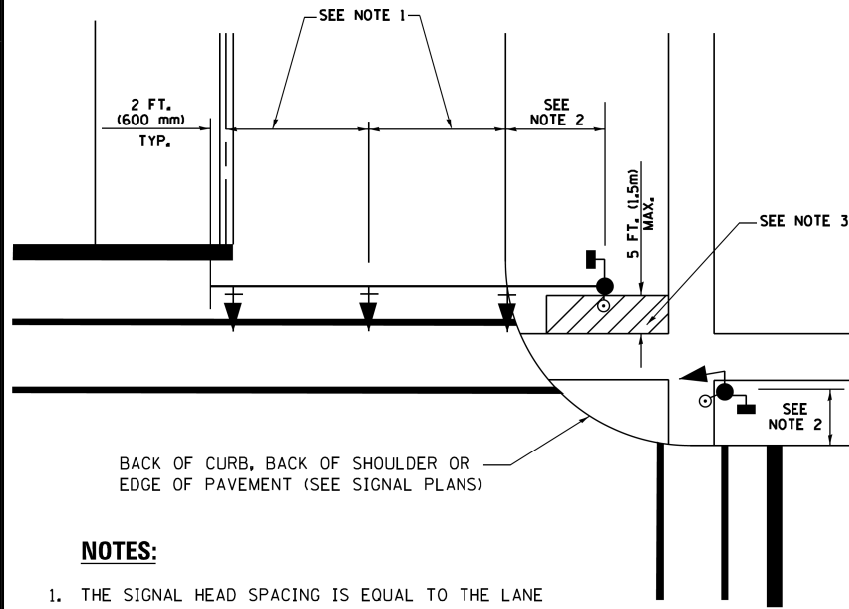
LOOP DETECTOR SPLICE

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

TS SHT NO. 2

| | | | | | | | | | | | | |
|---|-------------------------------|------------|-----------|---|--|----------|-------------|--------------------|---------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = plascencia | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| St:\WP\Design\Iovan\SamplePlans\DNF\1es | TSExample01-sht-ts.dgn | DRAWN - | REVISED - | | 343 | 3041-N-2 | COOK | 226 | 107 | | | |
| Default | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | | TS-05 | | | CONTRACT NO. 62A26 | | | | |
| | PLOT DATE = 5/17/2016 | DATE - | REVISED - | | SCALE: NONE | SHEET 2 | OF 7 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | |

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

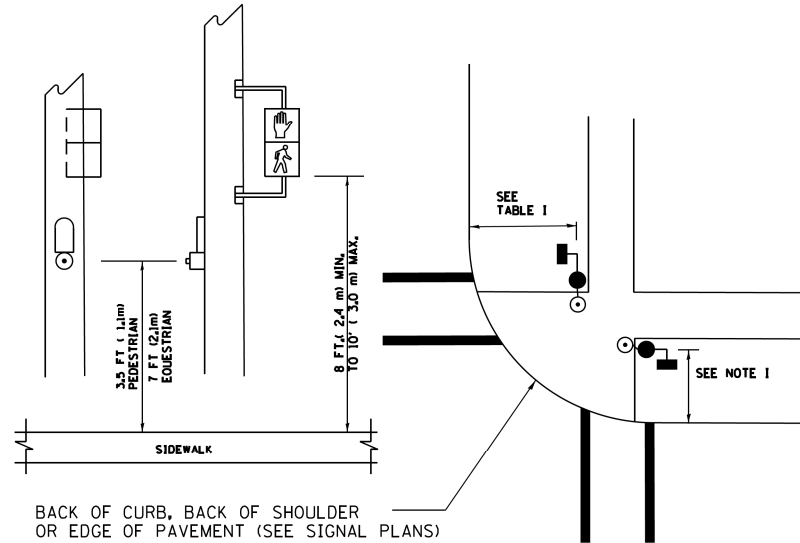


BACK OF CURB, BACK OF SHOULDER OR
EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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**

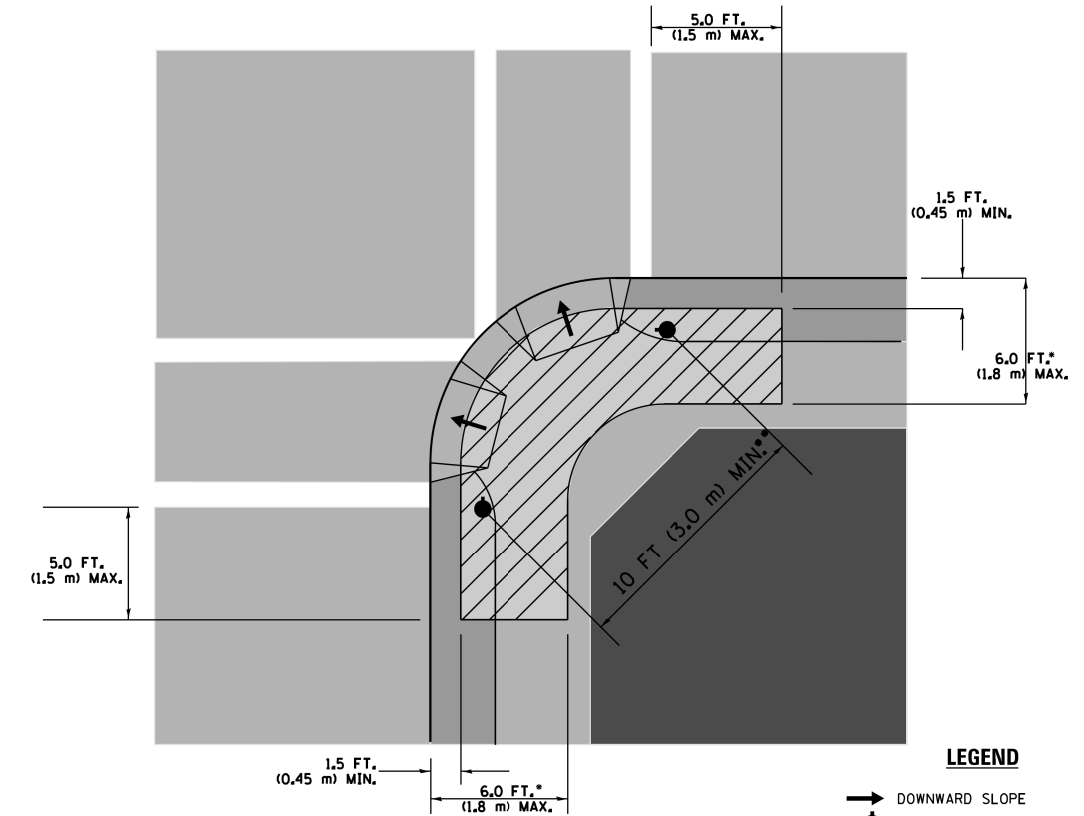


BACK OF CURB, BACK OF SHOULDER
OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

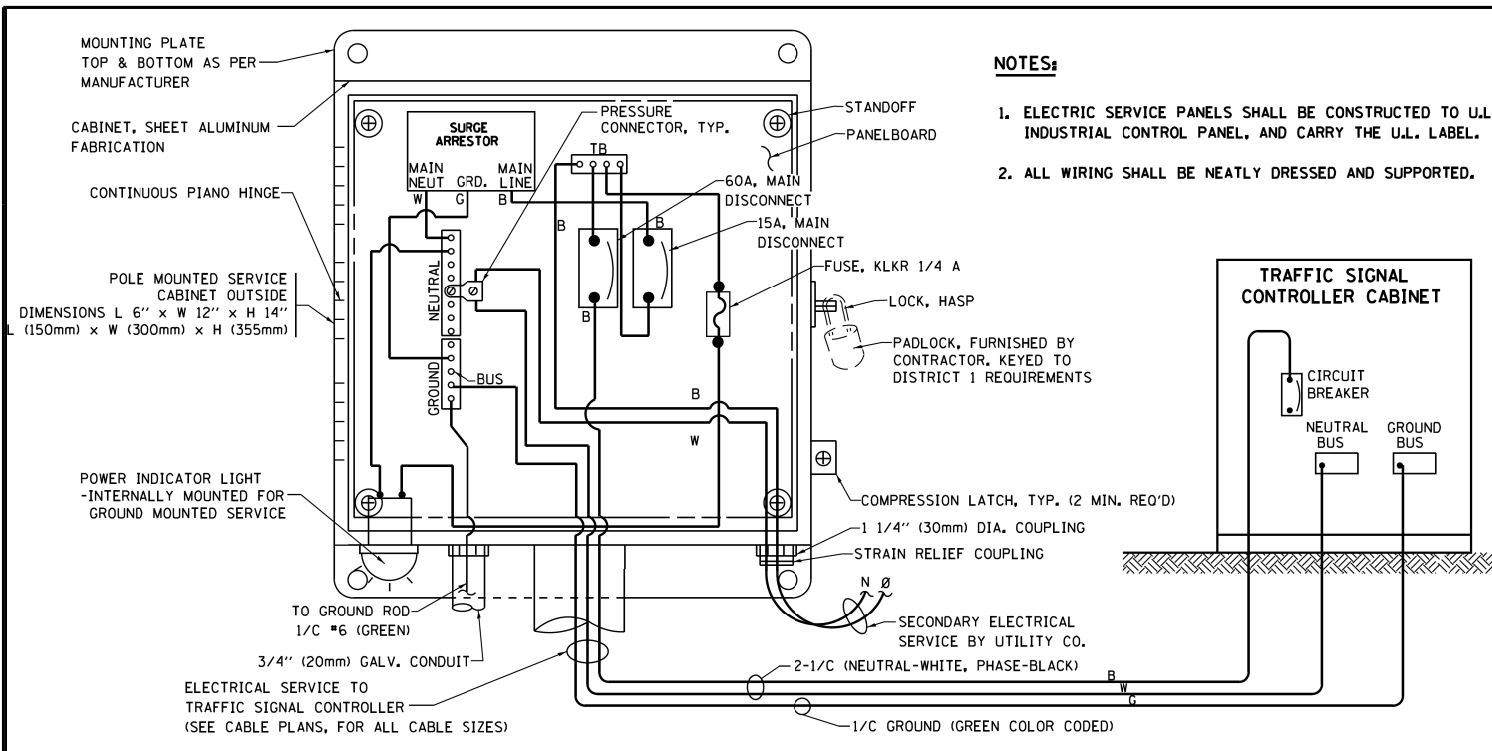
| TRAFFIC SIGNAL EQUIPMENT | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|------------------------------------|---|---|
| TRAFFIC SIGNAL MAST ARM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

NOTES:

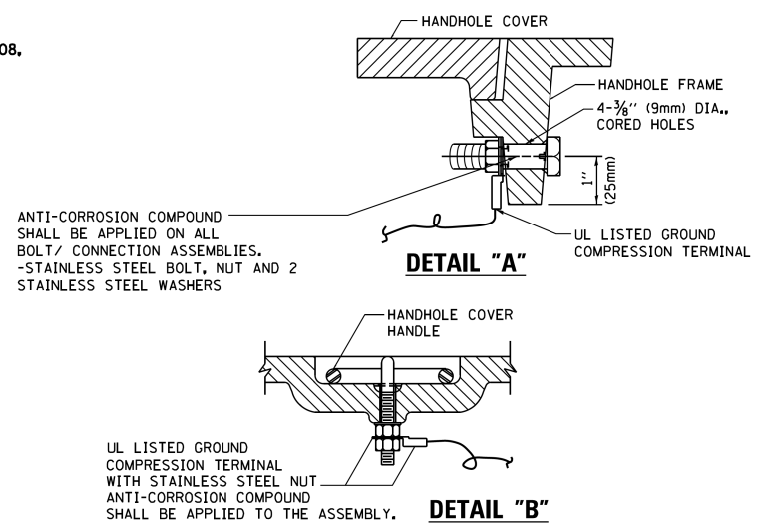
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

TS SHT NO.3

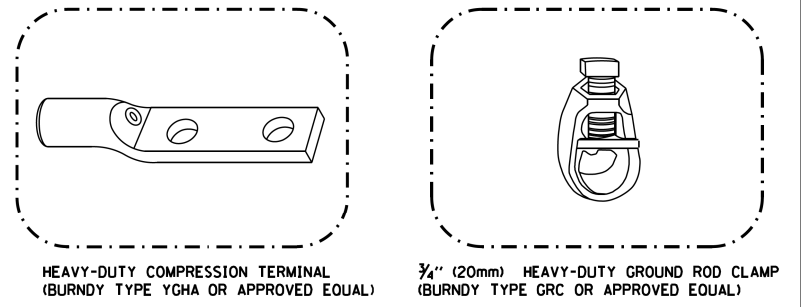
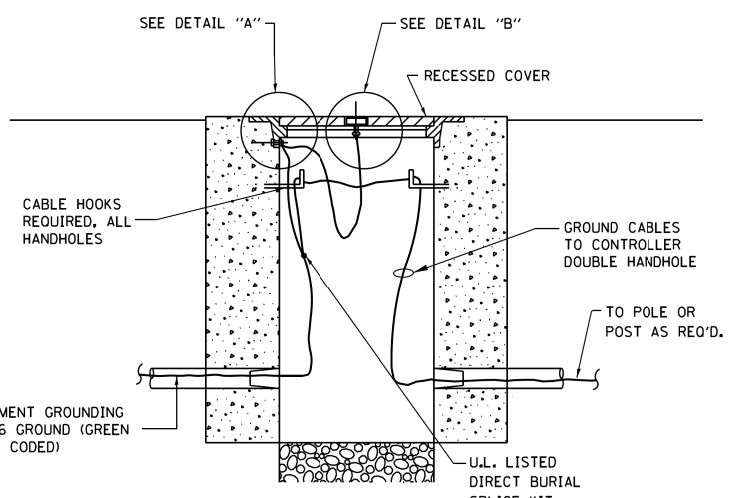
| | | | | | | | | | | | |
|--|-------------------------------|------------|-----------|---|--|-------------|----------|---------------------|--------------|--------------|--|
| FILE NAME = | USER NAME = plascencia | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| S:\WP\Design\Ivanov\SamplePlans\DGNF11es | TSEexample01-sht-ts.dgn | DRAWN - | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 108 | |
| Default | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | | | TS-05 | | CONTRACT NO. 62A26 | | | |
| | PLOT DATE = 5/17/2016 | DATE - | REVISED - | | | SCALE: NONE | | SHEET 3 OF 7 SHEETS | | STA. TO STA. | |



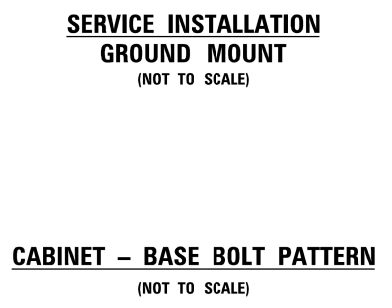
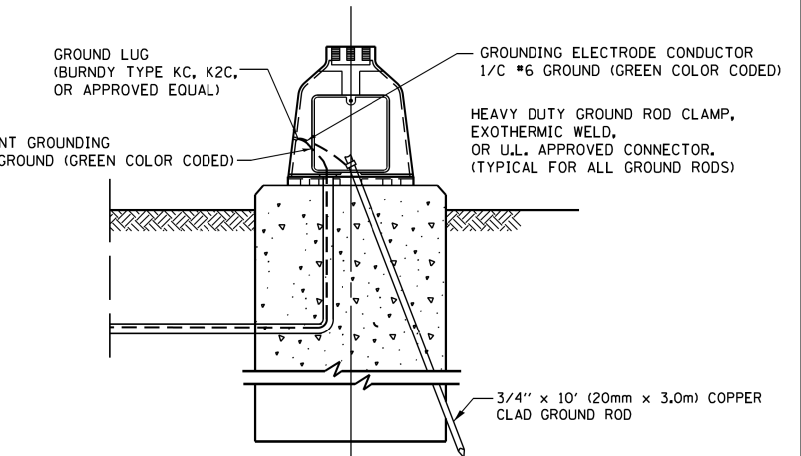
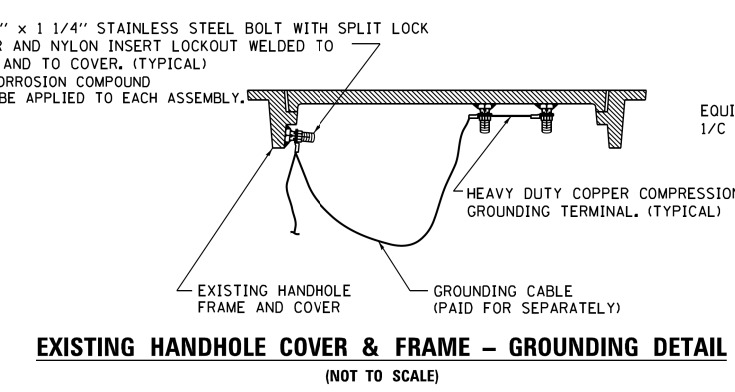
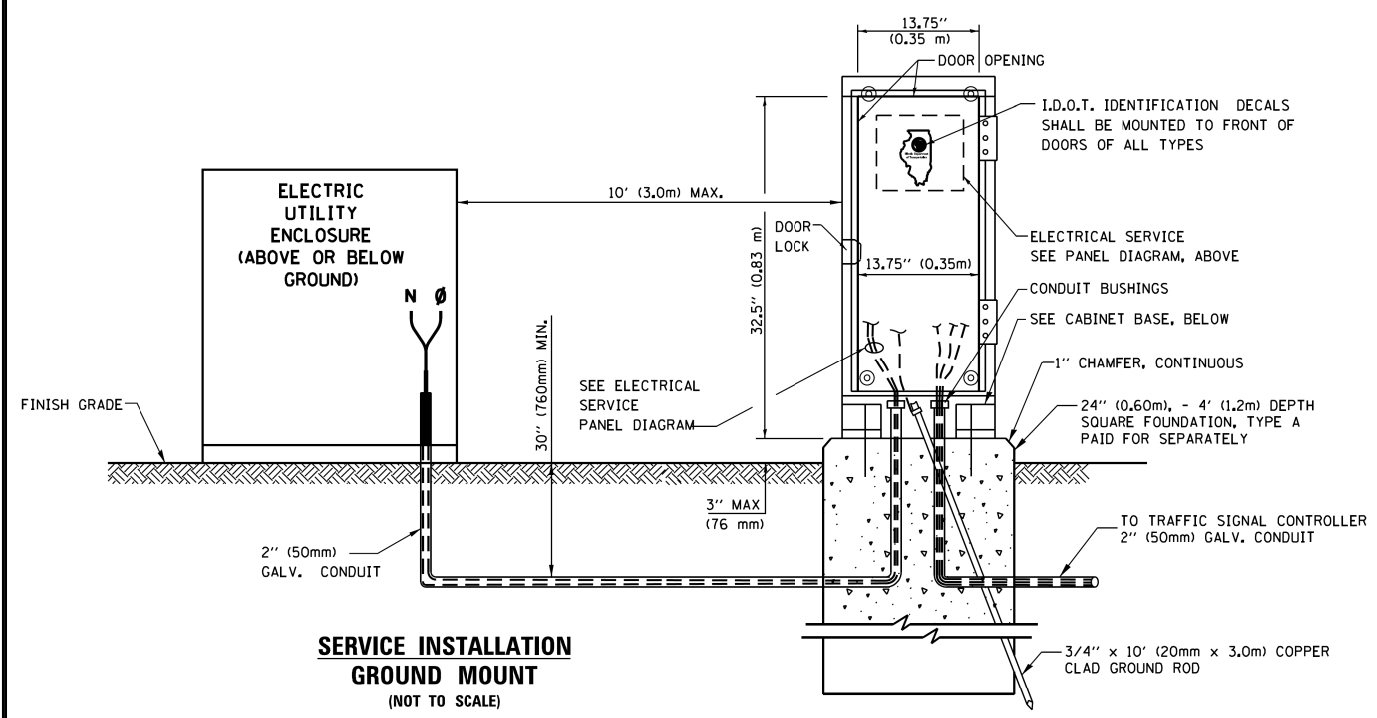
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- NOTES:**
- GROUNDING SYSTEM**
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN 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.
 - THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
 - ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 - THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

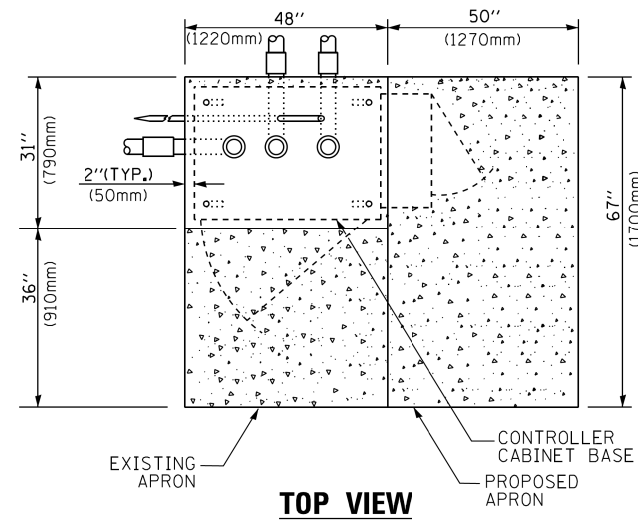


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

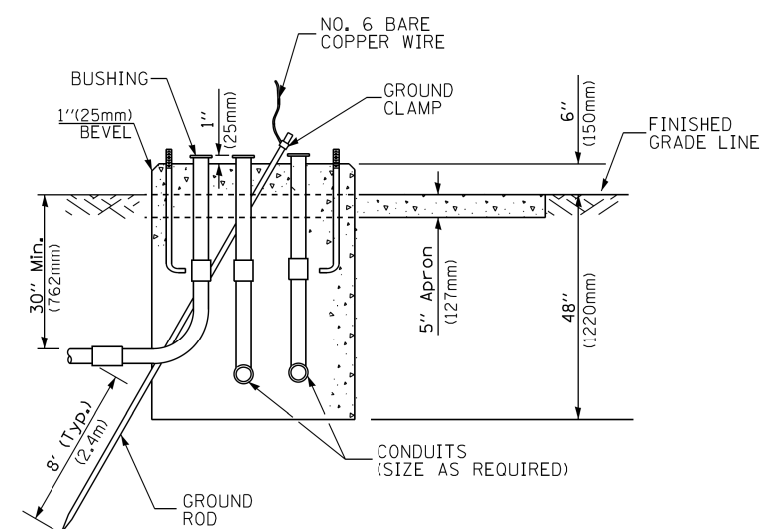


TS SHT NO. 4

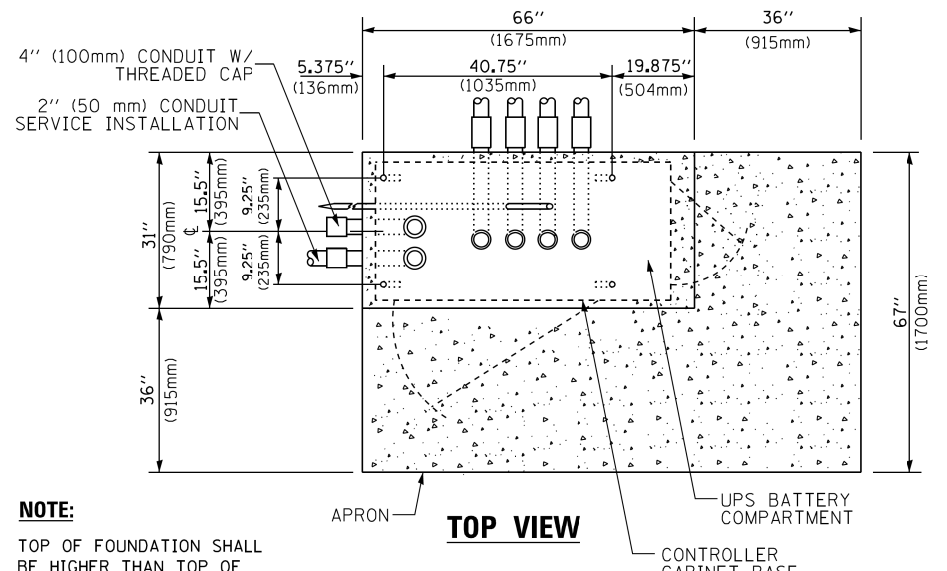
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| FILE NAME = | USER NAME = plascencia | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| S:\WP\Design\Ivan\SamplePlans\DG\F1les | TSExample01-sht-ts.dgn | DRAWN - | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 109 |
| Default | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | | | TS-05 | | CONTRACT NO. 62A26 | | |
| | PLOT DATE = 5/17/2016 | DATE - | REVISED - | | | SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | |



TOP VIEW

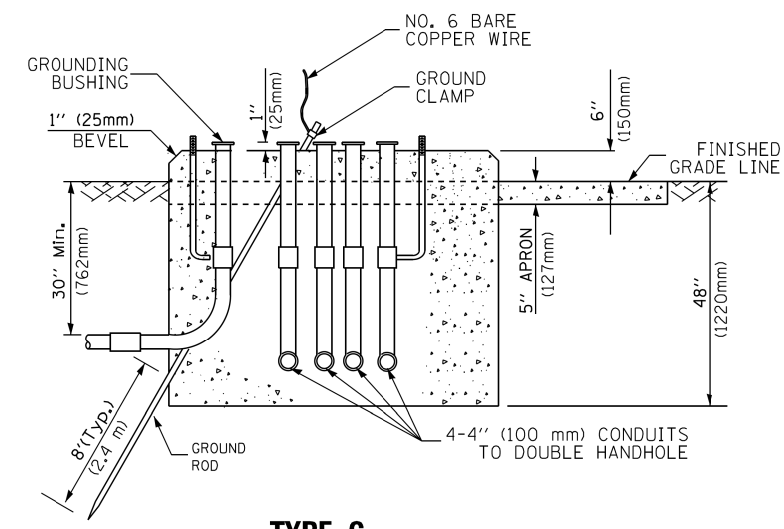


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

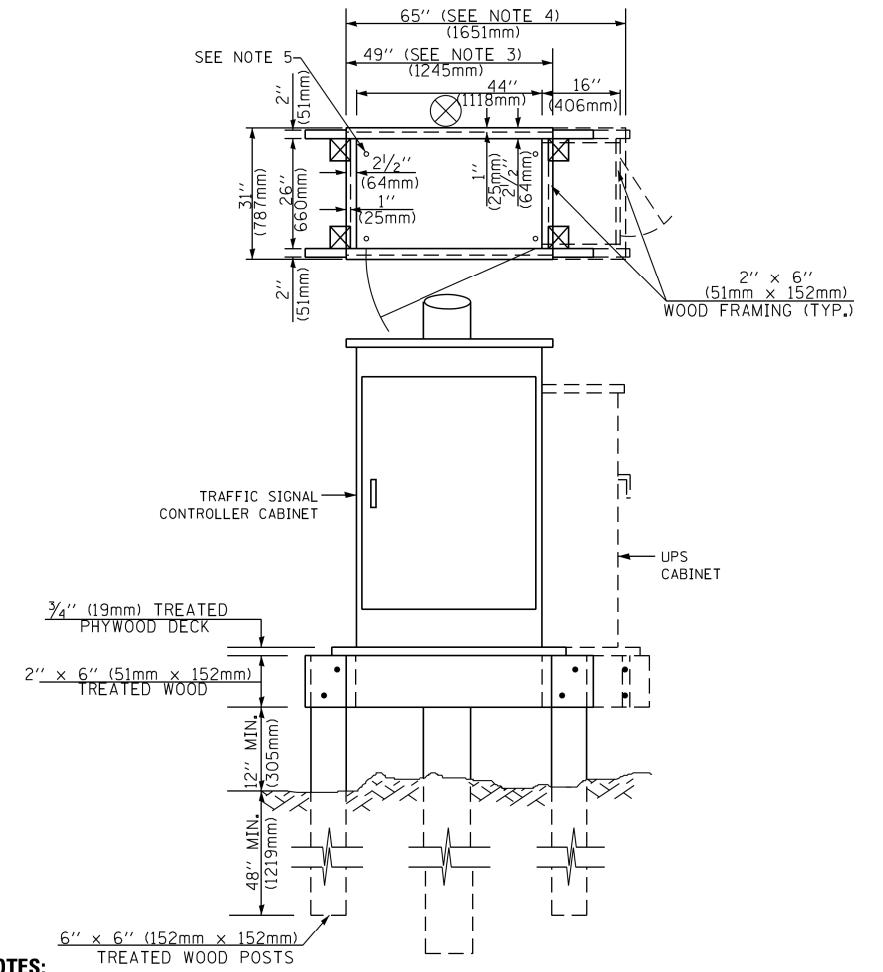


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

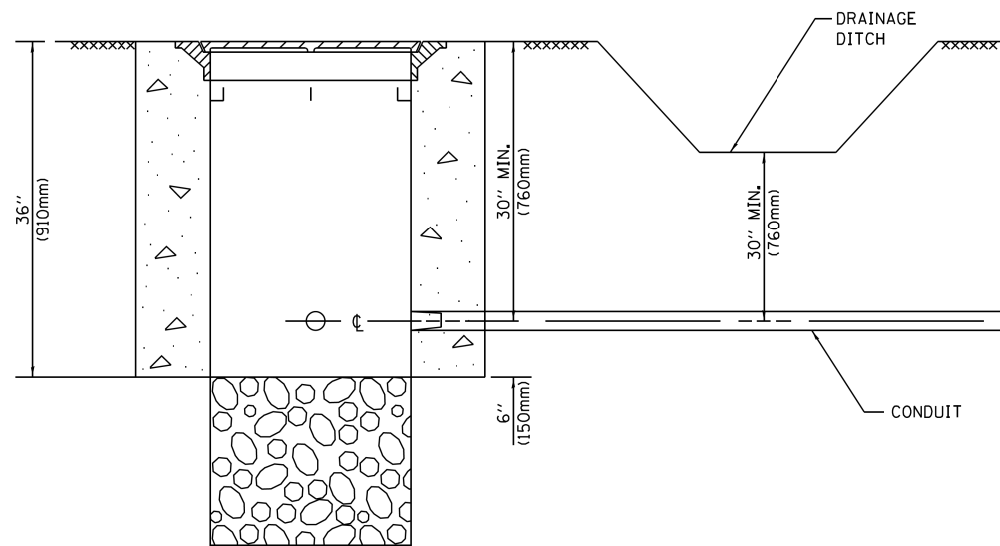
| MAST ARM LENGTH | ① FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|--------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m) | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19)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

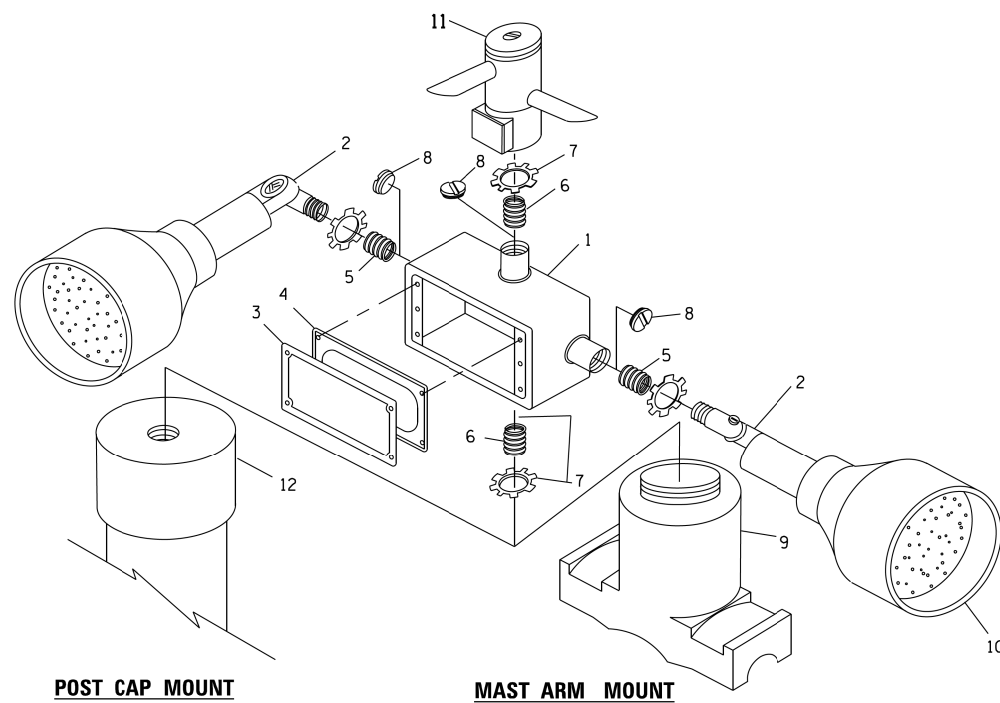
TS SHT NO. 5



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.

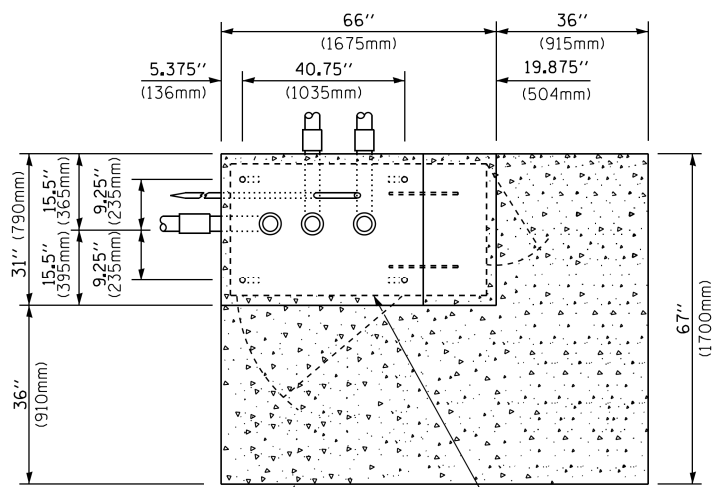
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



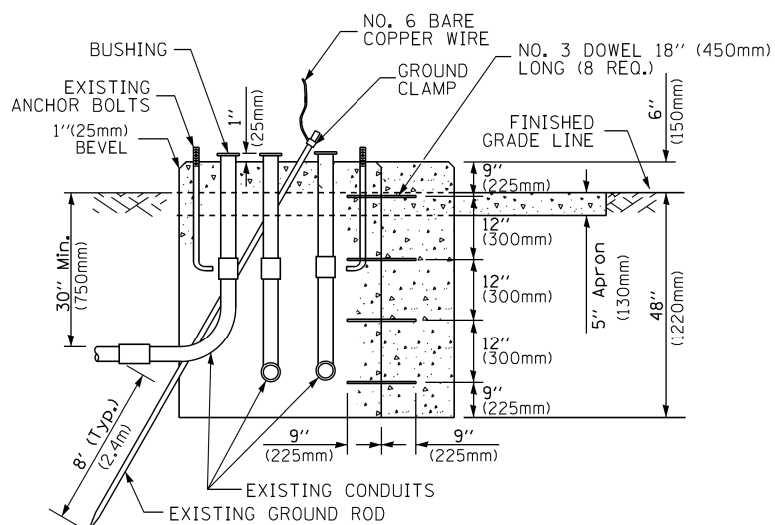
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

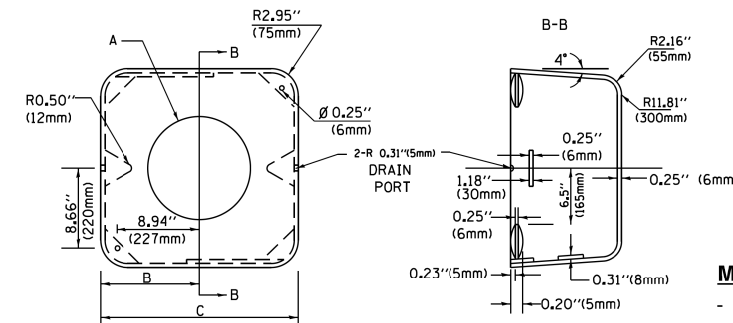


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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.



MATERIAL:

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

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

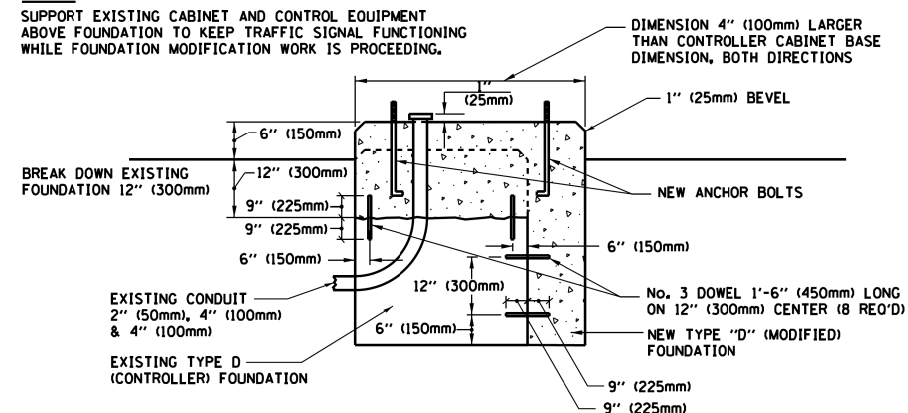
SHROUD

NOTES:

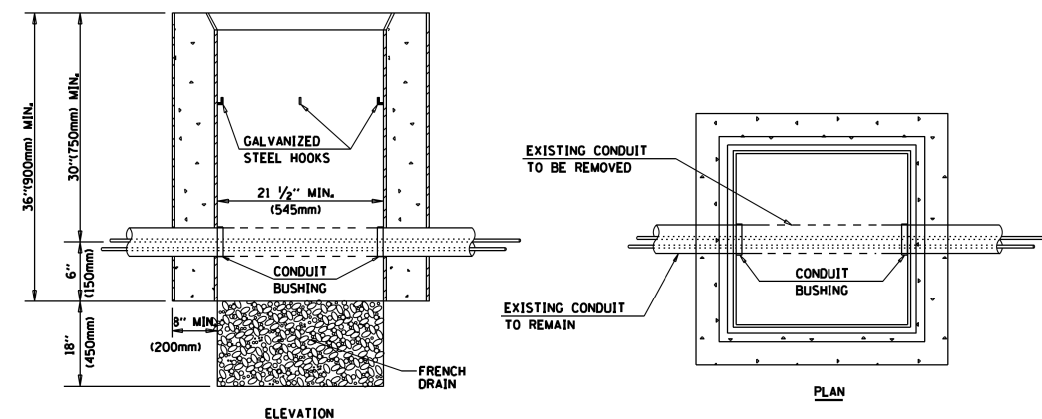
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



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

| | | | |
|---|-------------------------------|------------|-----------|
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| S:\WP\Design\Iovan\SamplePlans\DGNF11es | TSExample01-sht-ts.dgn | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - |
| | PLOT DATE = 5/17/2016 | DATE - | REVISED - |

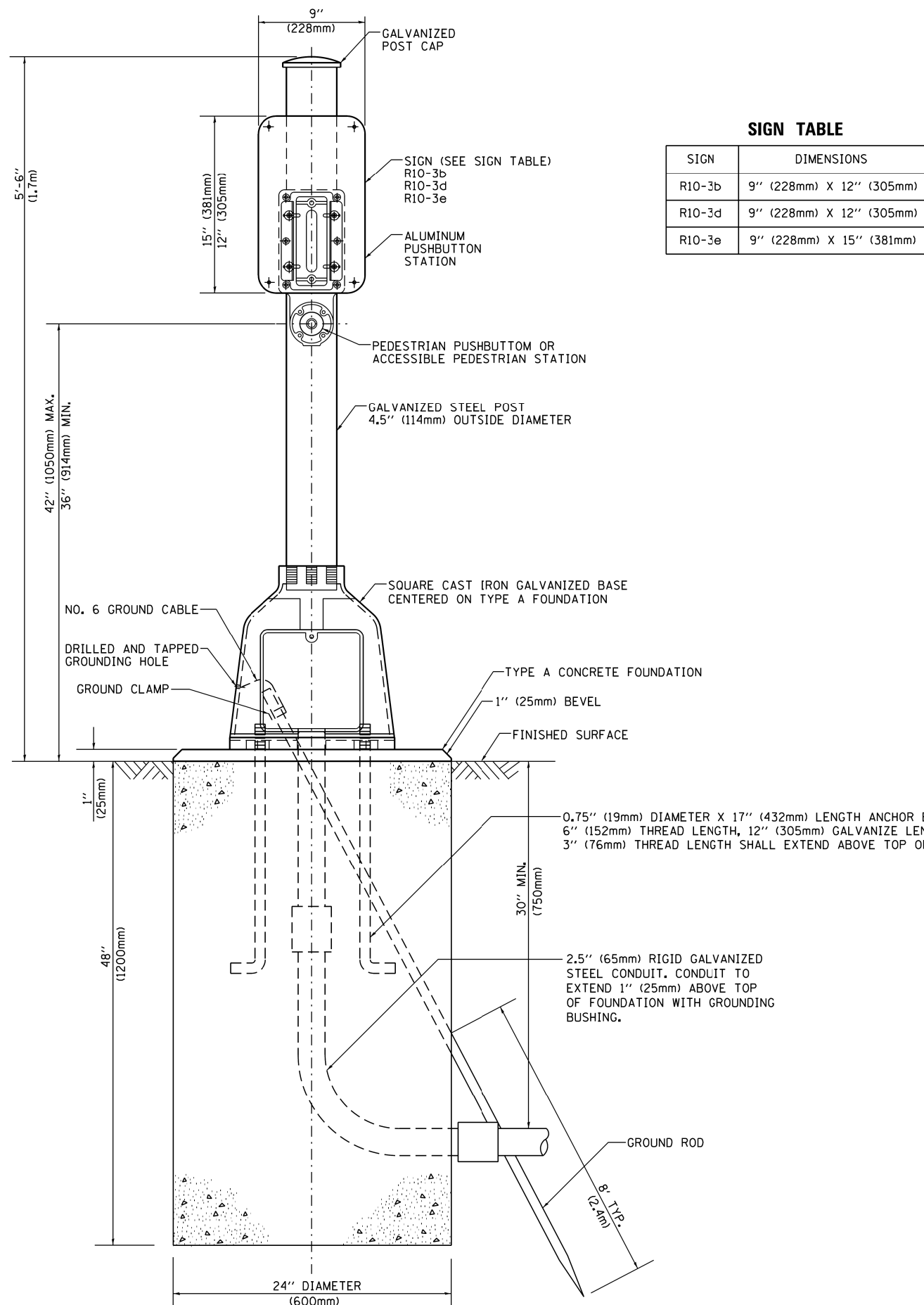
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

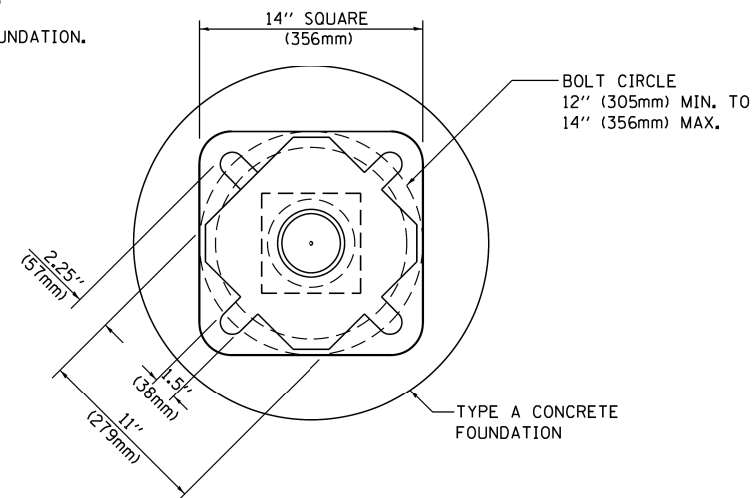
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------------------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 111 |
| TS-05 | | CONTRACT NO. 62A26 | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS SHT NO. 7



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

| | | | |
|--|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = plascencia | DESIGNED - | REVISED - |
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| | PLOT DATE = 5/17/2016 | DATE - | REVISED - |

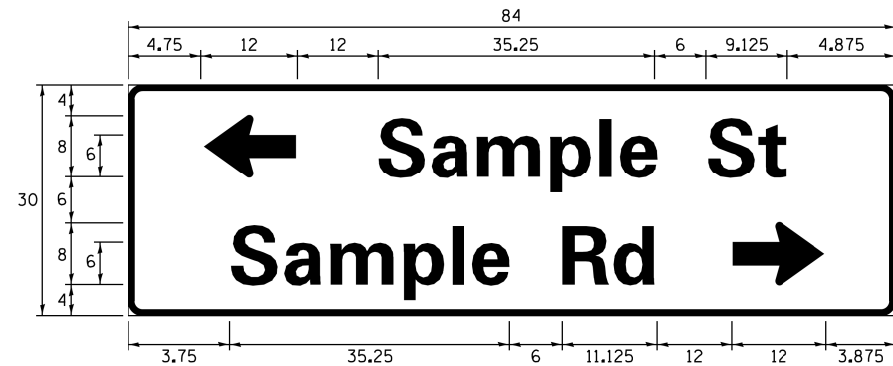
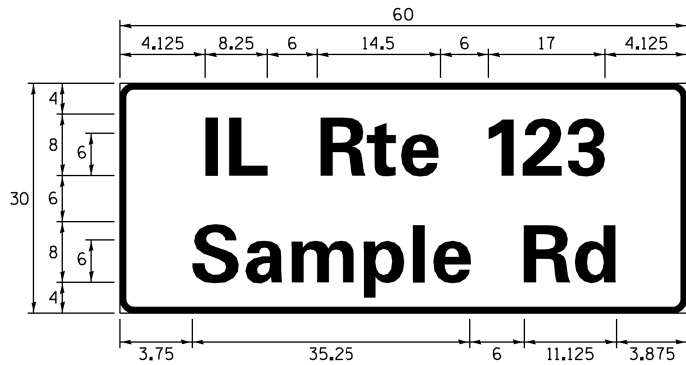
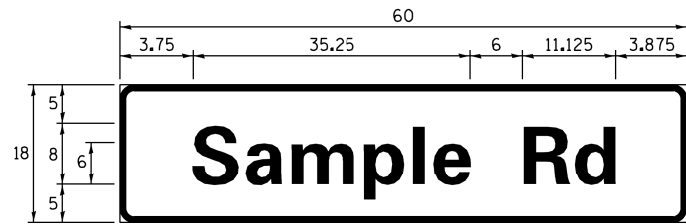
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------------------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 112 |
| TS-05 | | CONTRACT NO. 62A26 | | |
| ILLINOIS FED. AID PROJECT | | | | |

SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

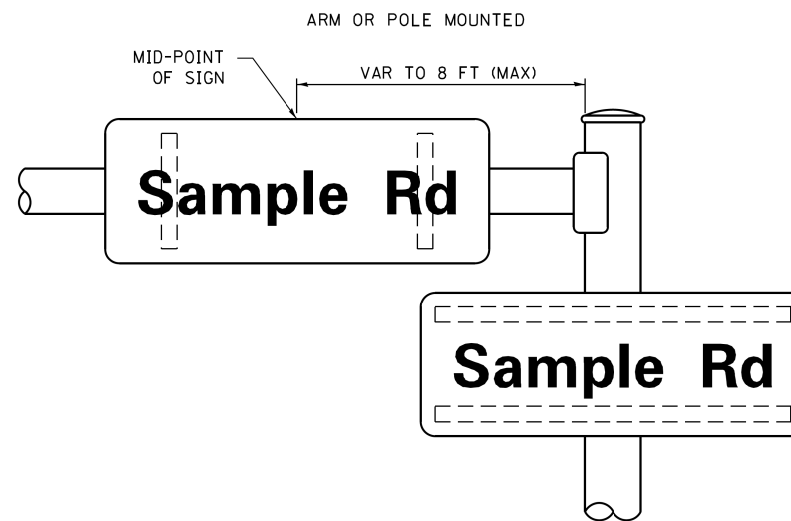
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

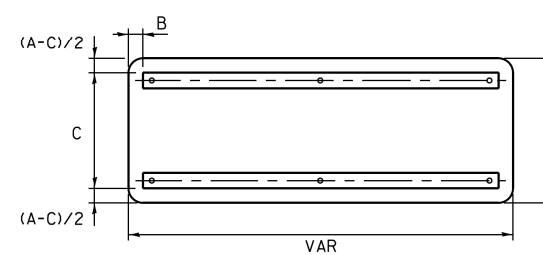
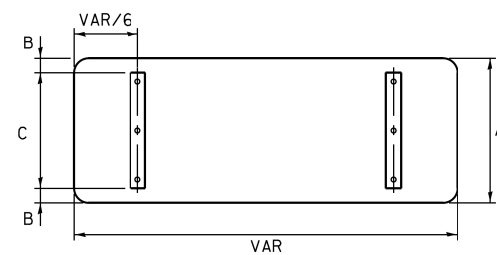
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

MOUNTING LOCATION



SUPPORTING CHANNELS



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

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

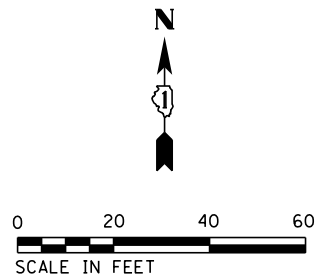
STANDARD ALPHABETS SPACING CHART

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

| 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 |

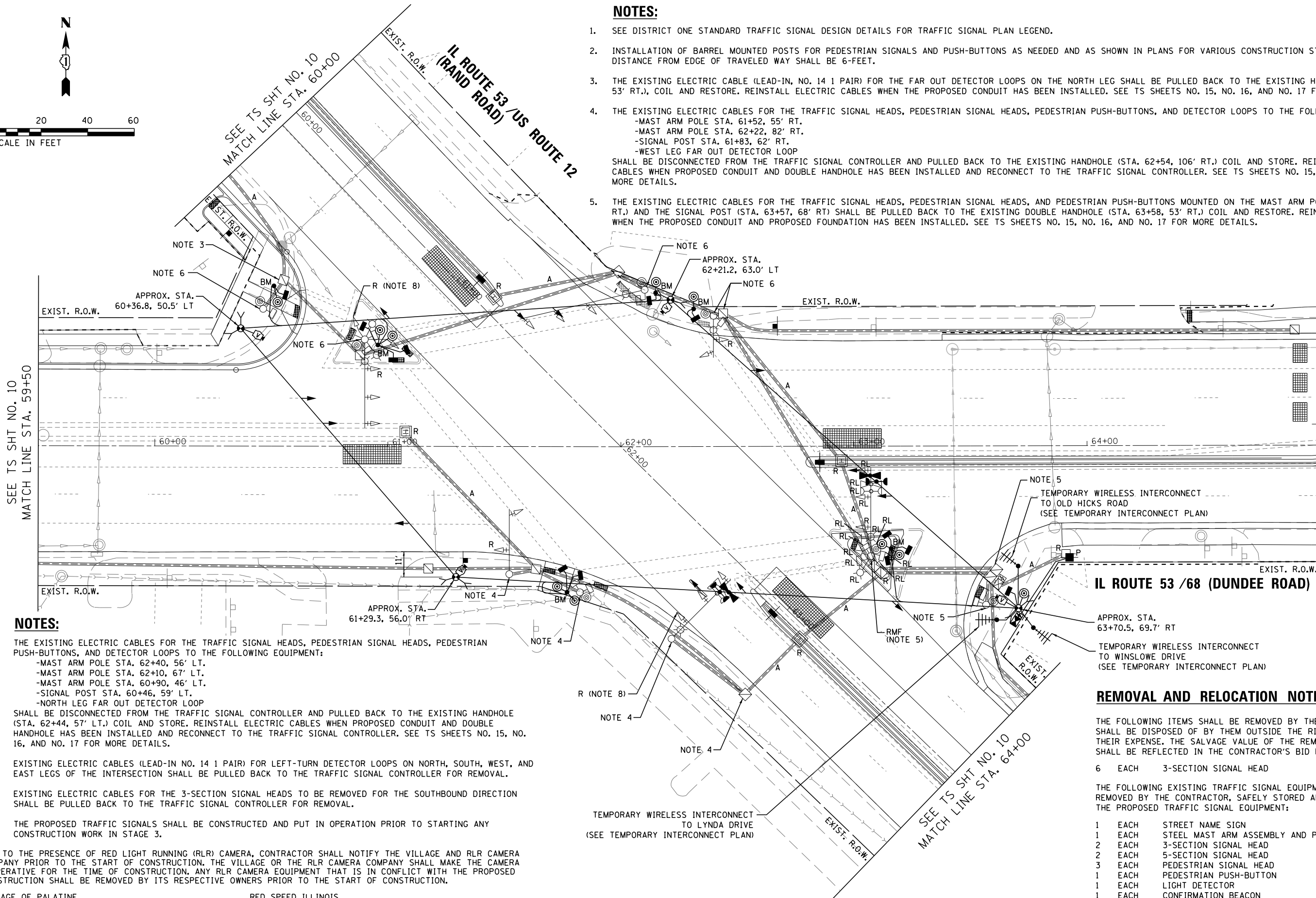
TS SHT NO. 8

| | | | | | | | | | | | |
|--|-------------------------------|-------------------|-------------------------|---|--|-----------------|------------------------------|---------------------------|------------------|--------------------|--|
| FILE NAME = S:\WP\Design\Iovan\SamplePlans\DGNF\iles | USER NAME = plascencia | DESIGNED - LP/IP | REVISED - LP 07/01/2015 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS | F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 113 | |
| Default | PLOT SCALE = 100.0000' / 1in. | CHECKED - IP | REVISED - | | | SCALE: | SHEET OF SHEETS STA. TO STA. | TS-02 | | CONTRACT NO. 62A26 | |
| | PLOT DATE = 5/17/2016 | DATE - 10/01/2014 | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | | |
| | | | | | | | | | | | |



NOTES:

- SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.
- INSTALLATION OF BARREL MOUNTED POSTS FOR PEDESTRIAN SIGNALS AND PUSH-BUTTONS AS NEEDED AND AS SHOWN IN PLANS FOR VARIOUS CONSTRUCTION STAGES. MINIMUM DISTANCE FROM EDGE OF TRAVELED WAY SHALL BE 6-FEET.
- THE EXISTING ELECTRIC CABLE (LEAD-IN, NO. 14 1 PAIR) FOR THE FAR OUT DETECTOR LOOPS ON THE NORTH LEG SHALL BE PULLED BACK TO THE EXISTING HANDHOLE (STA. 60+49, 53' RT.), COIL AND RESTORE. REINSTALL ELECTRIC CABLES WHEN THE PROPOSED CONDUIT HAS BEEN INSTALLED. SEE TS SHEETS NO. 15, NO. 16, AND NO. 17 FOR MORE DETAILS.
- THE EXISTING ELECTRIC CABLES FOR THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSH-BUTTONS, AND DETECTOR LOOPS TO THE FOLLOWING EQUIPMENT:
-MAST ARM POLE STA. 61+52, 55' RT.
-MAST ARM POLE STA. 62+22, 82' RT.
-SIGNAL POST STA. 61+83, 62' RT.
-WEST LEG FAR OUT DETECTOR LOOP
SHALL BE DISCONNECTED FROM THE TRAFFIC SIGNAL CONTROLLER AND PULLED BACK TO THE EXISTING HANDHOLE (STA. 62+54, 106' RT.) COIL AND STORE. REINSTALL ELECTRIC CABLES WHEN PROPOSED CONDUIT AND DOUBLE HANDHOLE HAS BEEN INSTALLED AND RECONNECT TO THE TRAFFIC SIGNAL CONTROLLER. SEE TS SHEETS NO. 15, NO. 16, AND NO. 17 FOR MORE DETAILS.
- THE EXISTING ELECTRIC CABLES FOR THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND PEDESTRIAN PUSH-BUTTONS MOUNTED ON THE MAST ARM POLE (STA. 63+07, 47' RT.) AND THE SIGNAL POST (STA. 63+57, 68' RT) SHALL BE PULLED BACK TO THE EXISTING DOUBLE HANDHOLE (STA. 63+58, 53' RT.) COIL AND RESTORE. REINSTALL ELECTRIC CABLES WHEN THE PROPOSED CONDUIT AND PROPOSED FOUNDATION HAS BEEN INSTALLED. SEE TS SHEETS NO. 15, NO. 16, AND NO. 17 FOR MORE DETAILS.



NOTES:

- THE EXISTING ELECTRIC CABLES FOR THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSH-BUTTONS, AND DETECTOR LOOPS TO THE FOLLOWING EQUIPMENT:
-MAST ARM POLE STA. 62+40, 56' LT.
-MAST ARM POLE STA. 62+10, 67' LT.
-MAST ARM POLE STA. 60+90, 46' LT.
-SIGNAL POST STA. 60+46, 59' LT.
-NORTH LEG FAR OUT DETECTOR LOOP
SHALL BE DISCONNECTED FROM THE TRAFFIC SIGNAL CONTROLLER AND PULLED BACK TO THE EXISTING HANDHOLE (STA. 62+44, 57' LT.) COIL AND STORE. REINSTALL ELECTRIC CABLES WHEN PROPOSED CONDUIT AND DOUBLE HANDHOLE HAS BEEN INSTALLED AND RECONNECT TO THE TRAFFIC SIGNAL CONTROLLER. SEE TS SHEETS NO. 15, NO. 16, AND NO. 17 FOR MORE DETAILS.
- EXISTING ELECTRIC CABLES (LEAD-IN NO. 14 1 PAIR) FOR LEFT-TURN DETECTOR LOOPS ON NORTH, SOUTH, WEST, AND EAST LEGS OF THE INTERSECTION SHALL BE PULLED BACK TO THE TRAFFIC SIGNAL CONTROLLER FOR REMOVAL.
- EXISTING ELECTRIC CABLES FOR THE 3-SECTION SIGNAL HEADS TO BE REMOVED FOR THE SOUTHBOUND DIRECTION SHALL BE PULLED BACK TO THE TRAFFIC SIGNAL CONTROLLER FOR REMOVAL.
- THE PROPOSED TRAFFIC SIGNALS SHALL BE CONSTRUCTED AND PUT IN OPERATION PRIOR TO STARTING ANY CONSTRUCTION WORK IN STAGE 3.

DUE TO THE PRESENCE OF RED LIGHT RUNNING (RLR) CAMERA, CONTRACTOR SHALL NOTIFY THE VILLAGE AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE VILLAGE OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

VILLAGE OF PALATINE
CONTACT PERSON: MATT BARRY
PHONE NUMBER: (847) 705-5200

RED SPEED ILLINOIS
CONTACT PERSON: ROBYN LEIGHTON
PHONE NUMBER: (630) 317-5736

REMOVAL AND RELOCATION NOTES:

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

- 6 EACH 3-SECTION SIGNAL HEAD

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL EQUIPMENT:

- 1 EACH STREET NAME SIGN
- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 3 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH LIGHT DETECTOR
- 1 EACH CONFIRMATION BEACON

TS SHT NO. 9

PRESTAGE

**TS 1155
ECON 164**

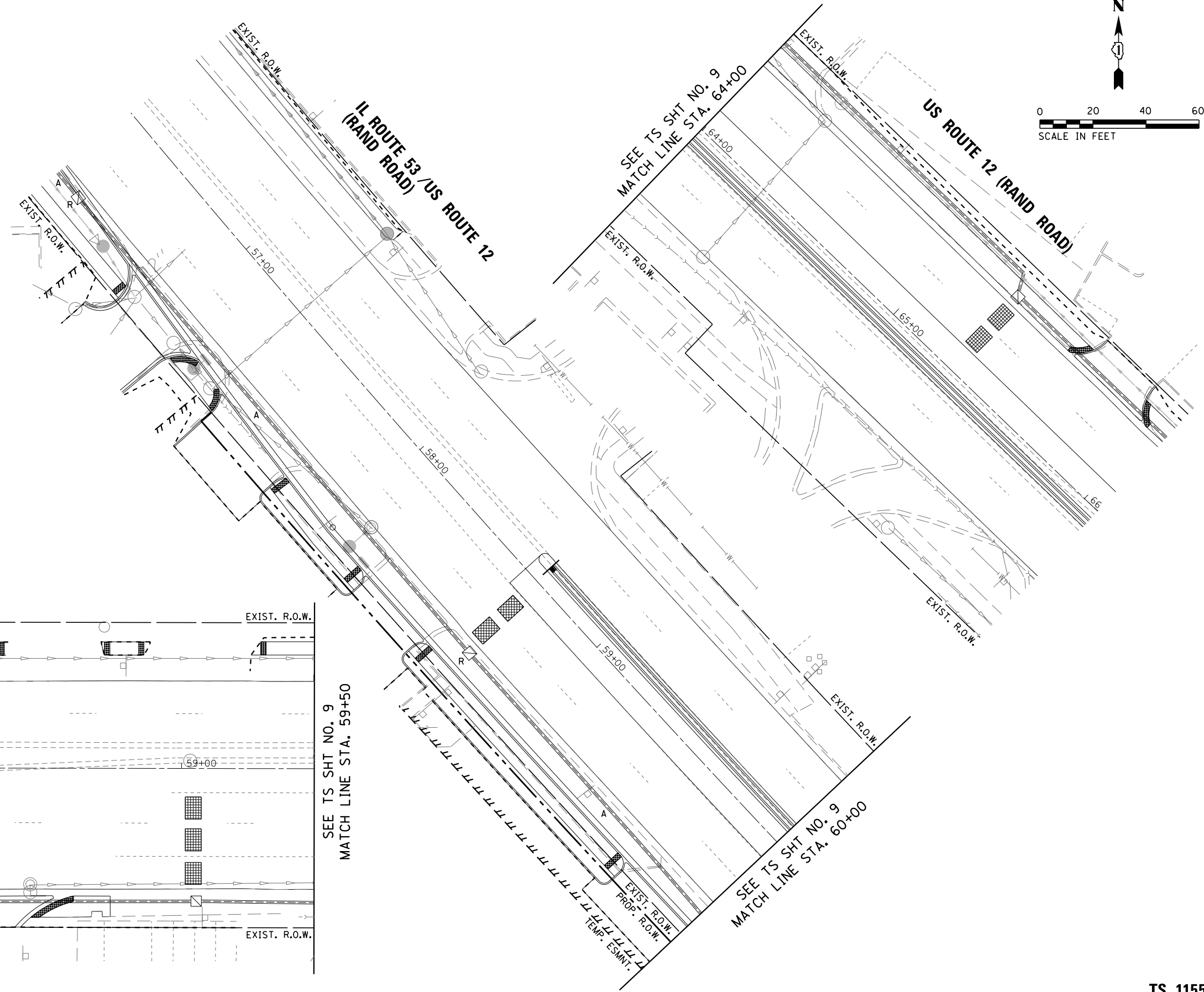
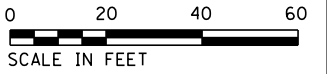
| | | | |
|---|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D:\62A26-sht-09 Temp Sig & Removal Plan | - Rand 1 | DRAWN - E.C. | REVISED - |
| #MODELNAME# | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - |
| | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12**

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 114 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



IL ROUTE 68 (DUNDEE ROAD)

SEE TS SHT NO. 9
MATCH LINE STA. 59+50

SEE TS SHT NO. 9
MATCH LINE STA. 60+00

TS SHT NO. 10

**TS 1155
ECON 164**

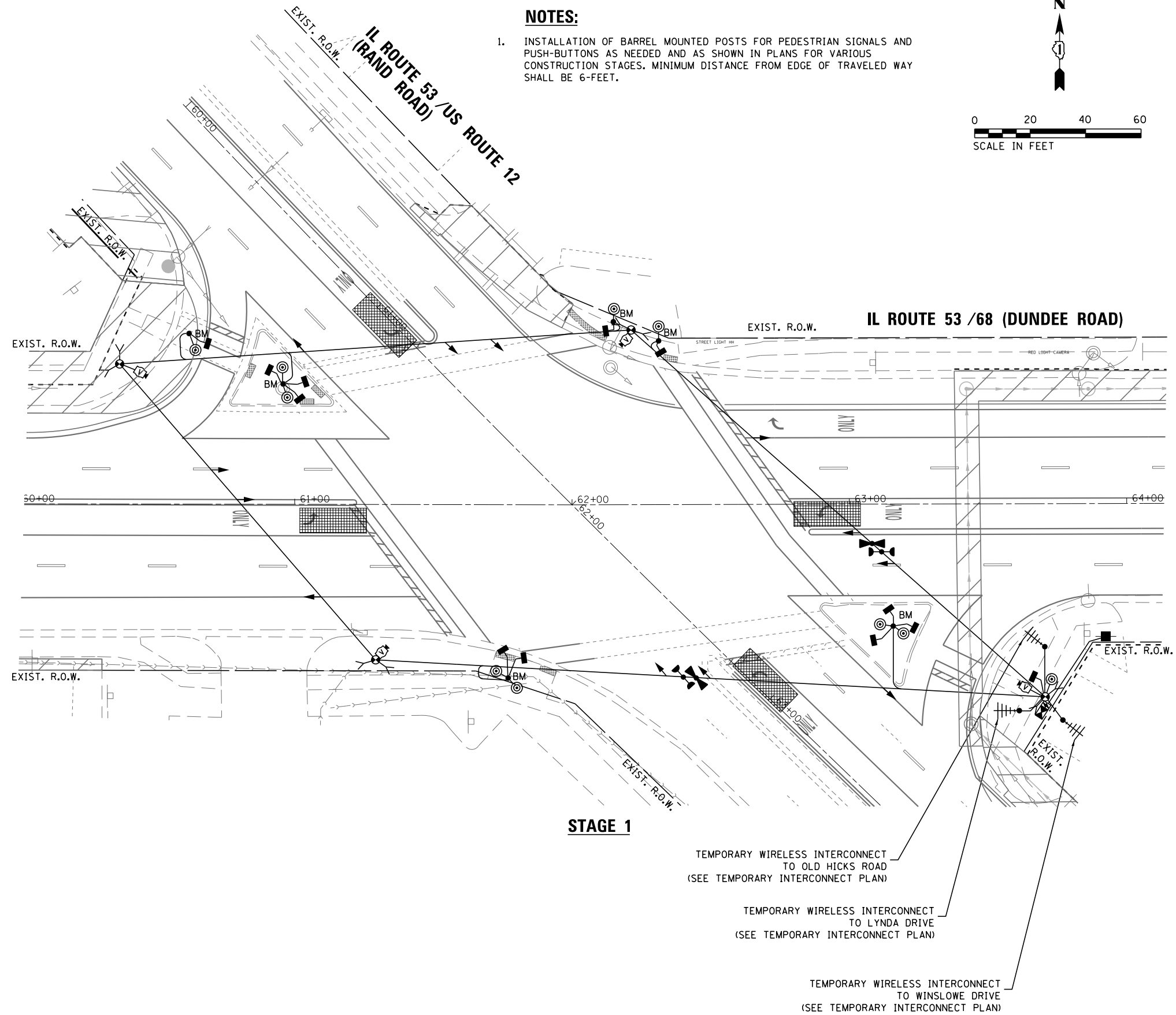
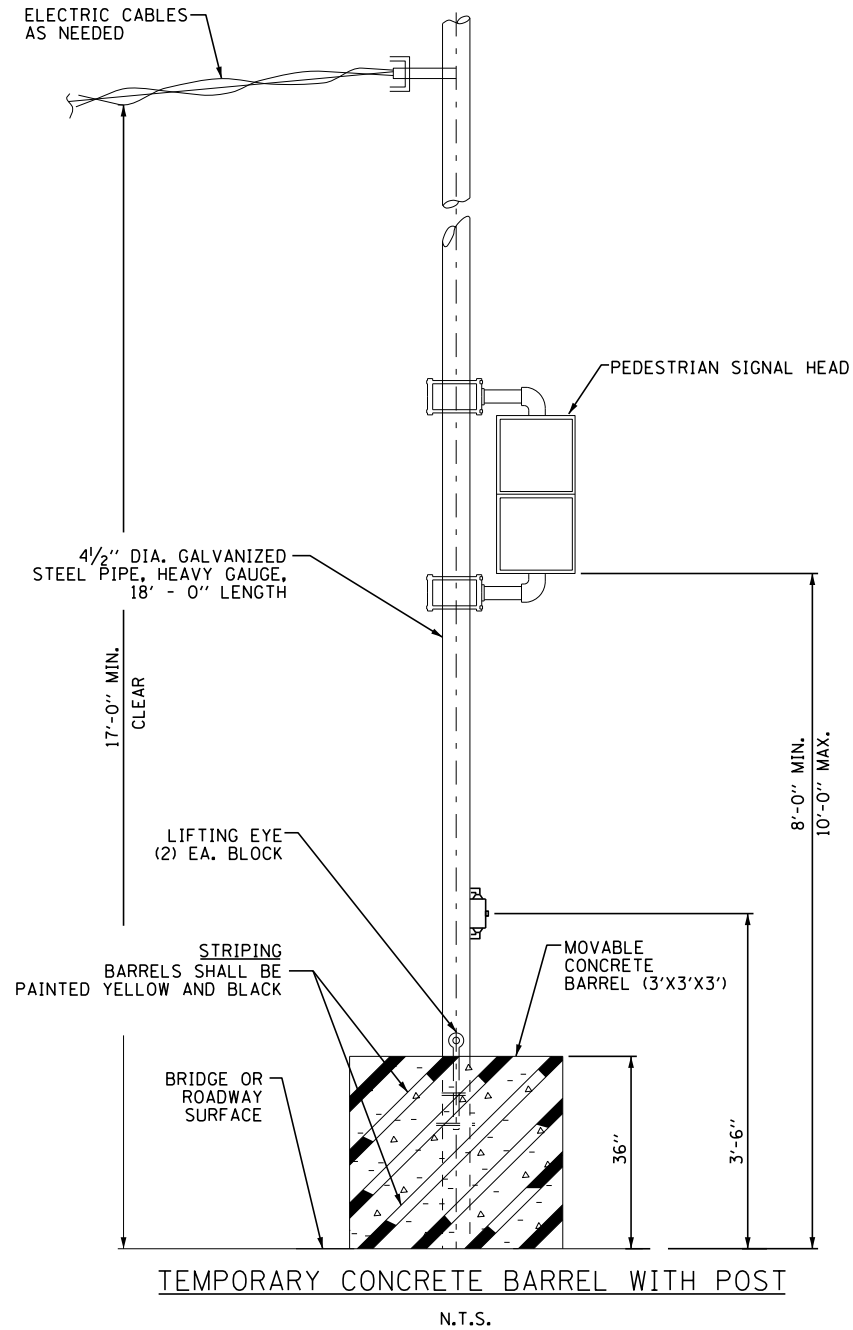
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|---|---------------------------------|------------------|-----------|
| FILE NAME = D162A26-sht-10 Temp Sig & Removal Plan | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| | Rev 2 | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD)**

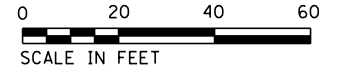
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 115 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

- INSTALLATION OF BARREL MOUNTED POSTS FOR PEDESTRIAN SIGNALS AND PUSH-BUTTONS AS NEEDED AND AS SHOWN IN PLANS FOR VARIOUS CONSTRUCTION STAGES. MINIMUM DISTANCE FROM EDGE OF TRAVELED WAY SHALL BE 6-FEET.



| | | | |
|--|----------------------|------------------|-----------|
| FILE NAME = D:\62A26-sht-11 Temp Sig Plan - Rand-Stage 1 | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| | | DRAWN - E.C. | REVISED - |
| | | CHECKED - V.P. | REVISED - |
| | | DATE - 4/29/2019 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

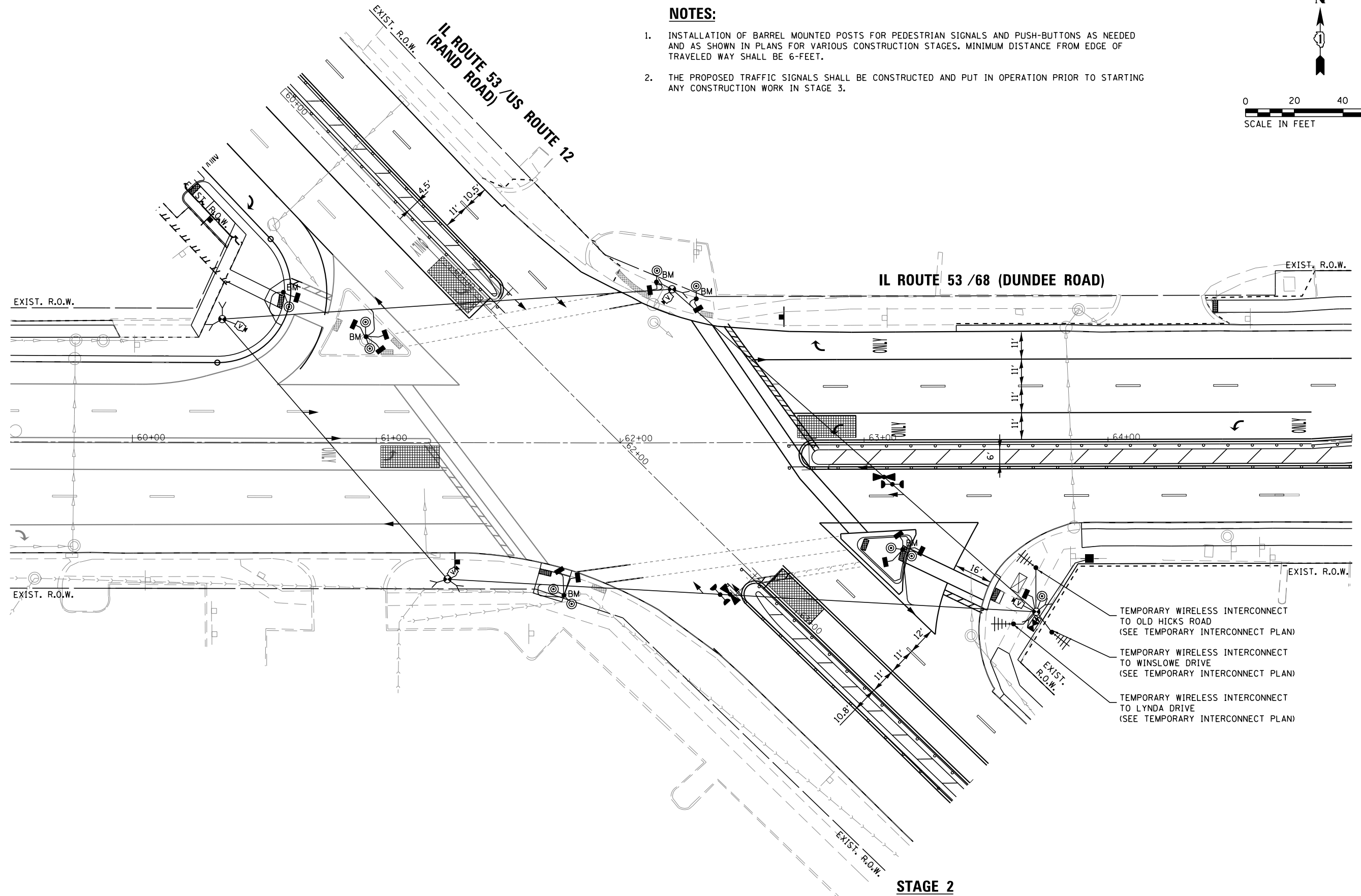
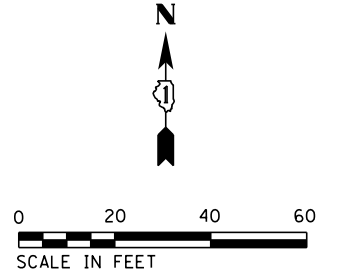
TEMPORARY TRAFFIC SIGNAL INSTALLATION-STAGE 1
IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD)

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 116 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 1155
ECON 164

NOTES:

1. INSTALLATION OF BARREL MOUNTED POSTS FOR PEDESTRIAN SIGNALS AND PUSH-BUTTONS AS NEEDED AND AS SHOWN IN PLANS FOR VARIOUS CONSTRUCTION STAGES. MINIMUM DISTANCE FROM EDGE OF TRAVELED WAY SHALL BE 6-FEET.
2. THE PROPOSED TRAFFIC SIGNALS SHALL BE CONSTRUCTED AND PUT IN OPERATION PRIOR TO STARTING ANY CONSTRUCTION WORK IN STAGE 3.



- TEMPORARY WIRELESS INTERCONNECT TO OLD HICKS ROAD (SEE TEMPORARY INTERCONNECT PLAN)
- TEMPORARY WIRELESS INTERCONNECT TO WINSLOW DRIVE (SEE TEMPORARY INTERCONNECT PLAN)
- TEMPORARY WIRELESS INTERCONNECT TO LYNDA DRIVE (SEE TEMPORARY INTERCONNECT PLAN)

STAGE 2

**TS 1155
ECON 164**

| | | | |
|---|--------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D162A26-sht-13 Temp Sig Plan - Rand-Stage 2 | | DRAWN - E.C. | REVISED - |
| *MODELNAME* | PLOT SCALE = 39.9999211.000000 | CHECKED - V.P. | REVISED - |
| | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

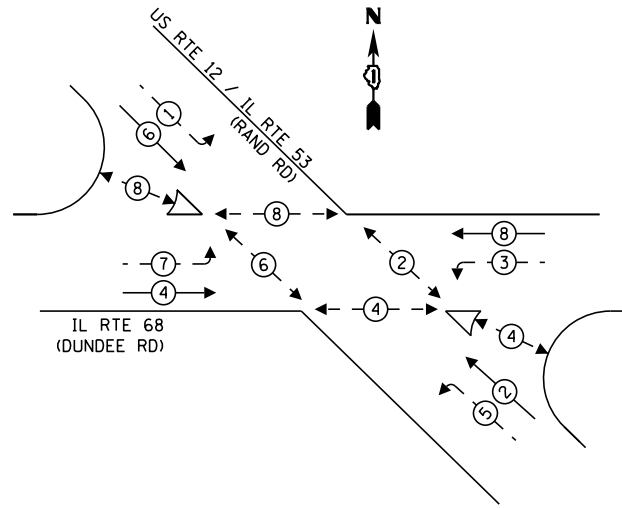
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION-STAGE 2
IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD)**

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

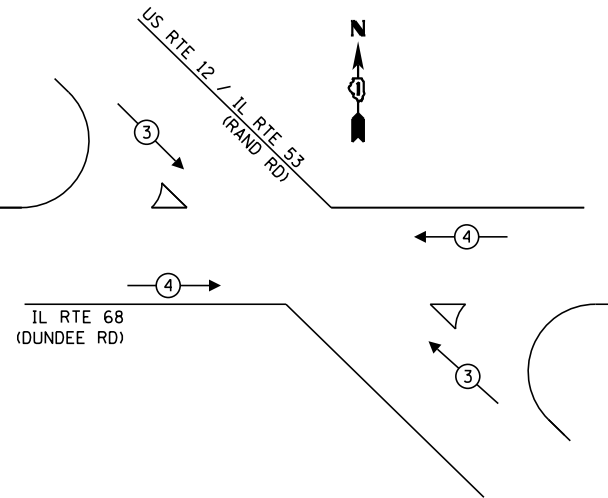
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 118 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TEMPORARY CONTROLLER SEQUENCE



- LEGEND:**
- ← ⊙ → PROTECTED PHASE
 - ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
 - ← ⊙ → PEDESTRIAN PHASE
 - ← ⊙ OL → OVERLAP

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

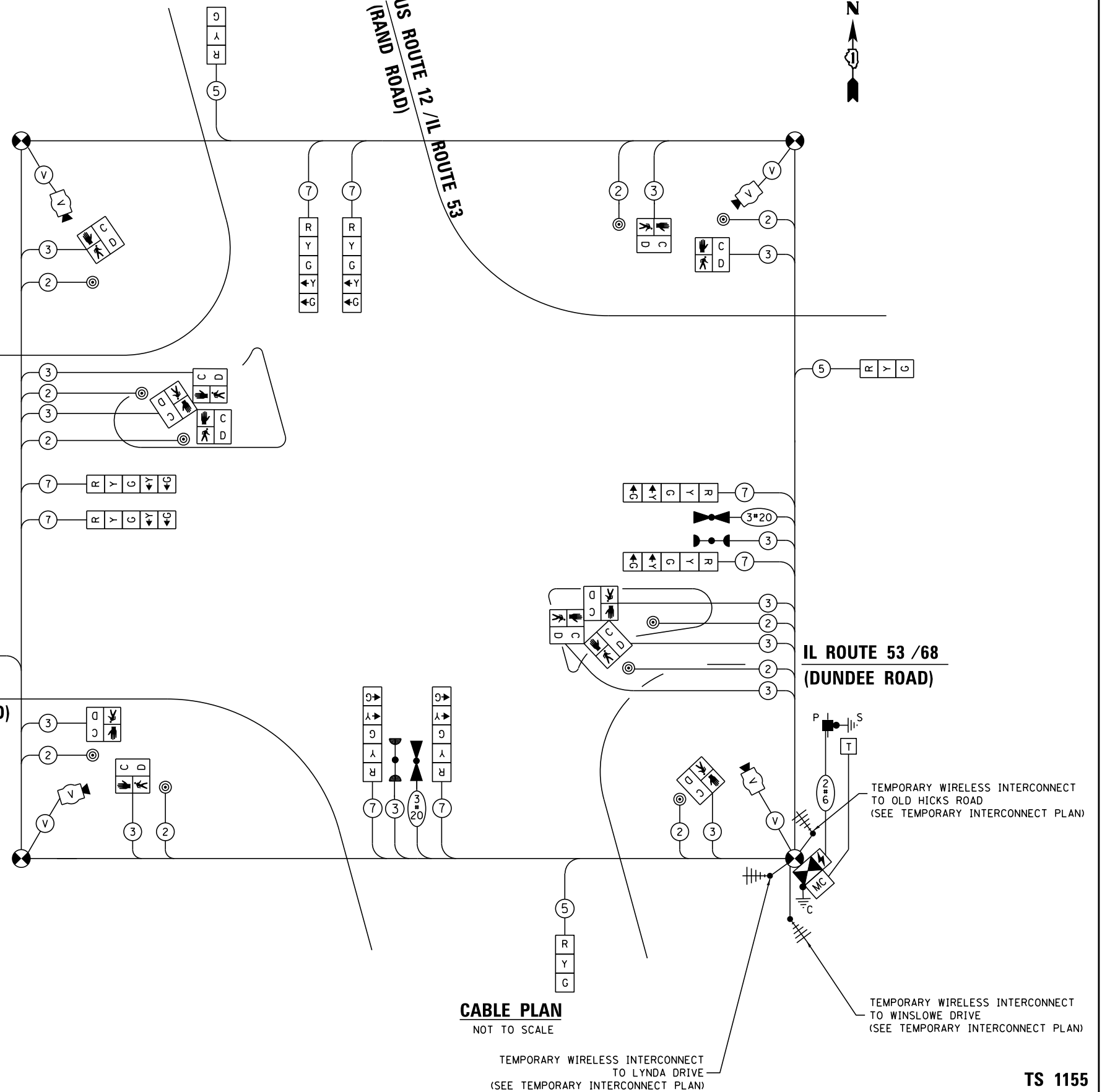
| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 12 | 11 | 50 | 66.0 |
| (YELLOW) | 12 | 20 | 5 | 12.0 |
| (GREEN) | 12 | 12 | 45 | 64.8 |
| PERMISSIVE ARROW | 16 | 10 | 10 | 16.0 |
| PED. SIGNAL | 12 | 20 | 100 | 24.0 |
| CONTROLLER | 1 | 100 | 100 | 100.0 |
| UPS | 1 | 25 | 100 | 25.0 |
| VIDEO SYSTEM | 1 | 150 | 100 | 150.0 |
| BLANK-OUT SIGN | - | 25 | 5 | - |
| FLASHER | - | - | 50 | - |
| STREET NAME SIGN | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 457.8 |

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (630) 691-4691
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 360-114-1005

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

**IL ROUTE 68
(DUNDEE ROAD)**

**IL ROUTE 53 /68
(DUNDEE ROAD)**



CABLE PLAN
NOT TO SCALE

TEMPORARY WIRELESS INTERCONNECT TO LYNDA DRIVE
(SEE TEMPORARY INTERCONNECT PLAN)

TEMPORARY WIRELESS INTERCONNECT TO OLD HICKS ROAD
(SEE TEMPORARY INTERCONNECT PLAN)

TEMPORARY WIRELESS INTERCONNECT TO WINSLOW DRIVE
(SEE TEMPORARY INTERCONNECT PLAN)

TS SHT NO.14

| | | | |
|---------------------------------------|----------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| DIG2A26-sht-14-Temp Cable Plan - Rand | | DRAWN - E.C. | REVISED - |
| | | CHECKED - V.P. | REVISED - |
| | | DATE - 4/29/2019 | REVISED - |

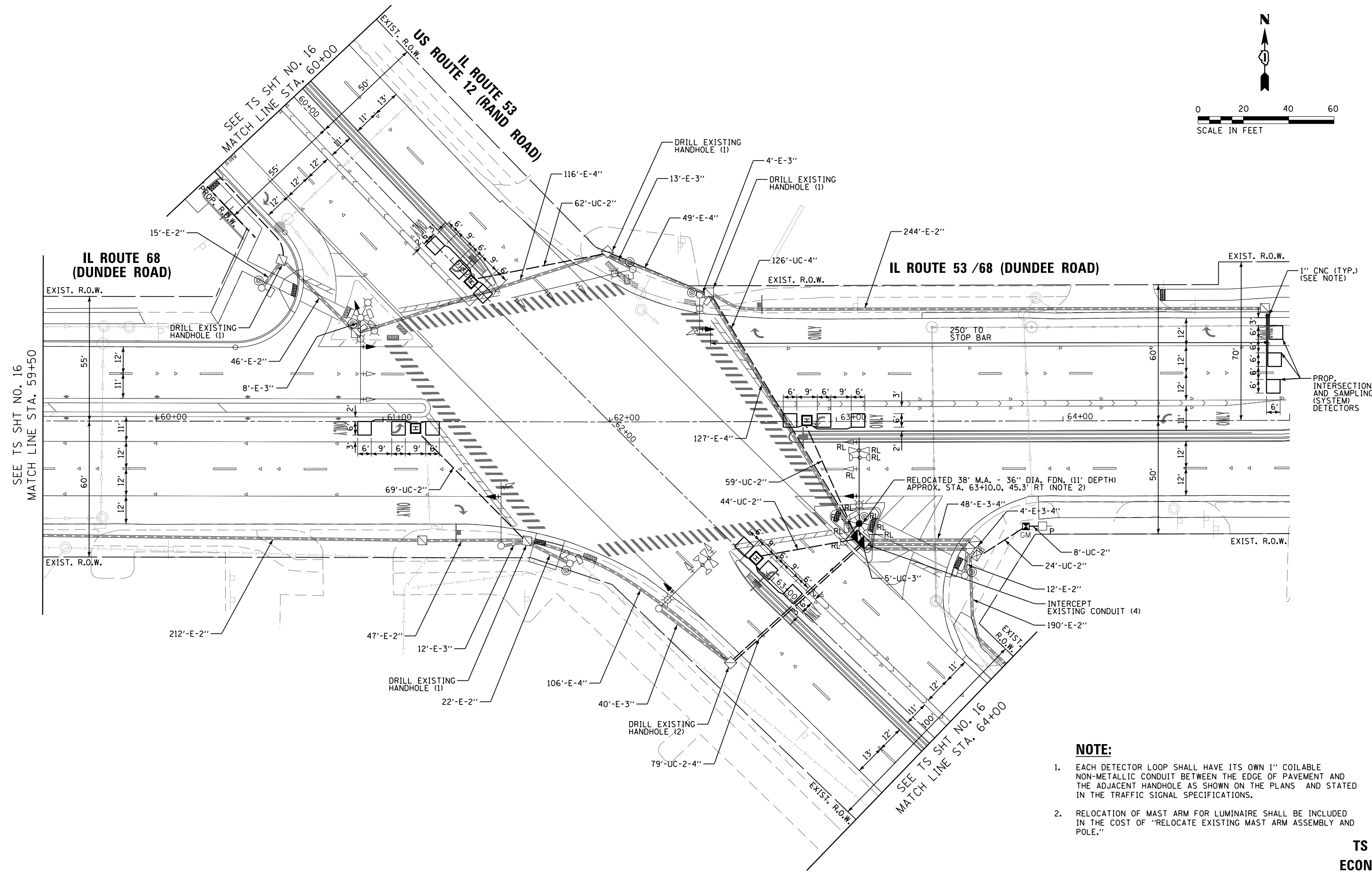
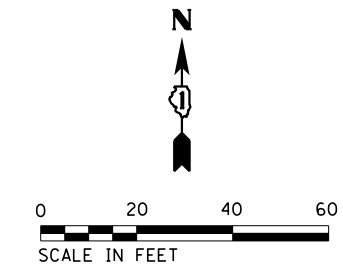
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|-------------------------------|------------------|-----------|
| SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - |
| PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD)
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 119 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

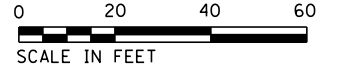
TS 1155
ECON 164



- NOTE:**
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. RELOCATION OF MAST ARM FOR LUMINAIRE SHALL BE INCLUDED IN THE COST OF "RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE."

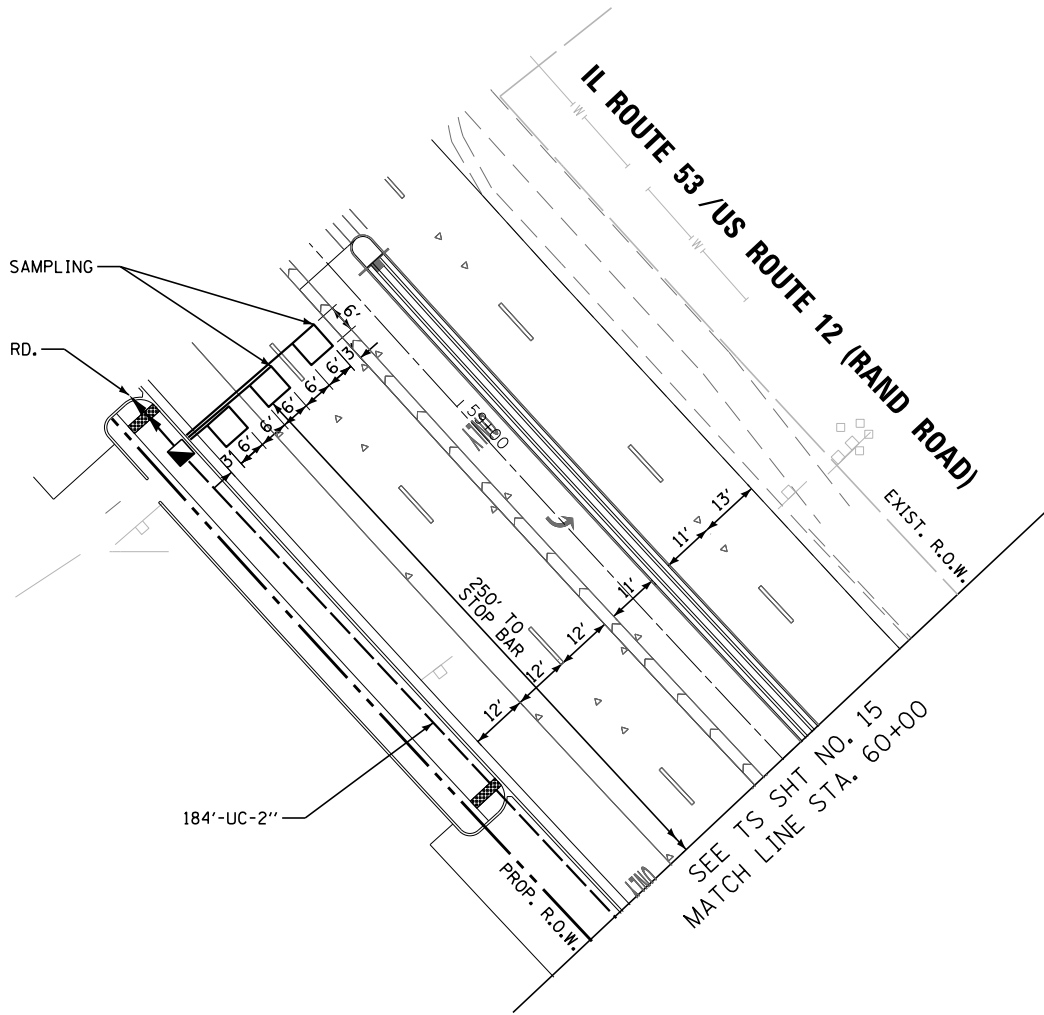
TS 1155
ECON 164

| | | | | | | | | | | | |
|--|----------------------|------------------|-----------|---|---|---------------------------|---------------------|--------|--------------|---------------------------|--|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL MODERNIZATION PLAN IL ROUTE 53 / 68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD) | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| D162A26-sht-15 Modernization Plan - Rand 1 | | DRAWN - E.C. | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 120 | |
| PLOT SCALE = 39.99992011.000000 | | CHECKED - V.P. | REVISED - | | | CONTRACT NO. 62A26 | | | | | |
| *MODELNAME* | | DATE - 4/29/2019 | REVISED - | | | SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | |

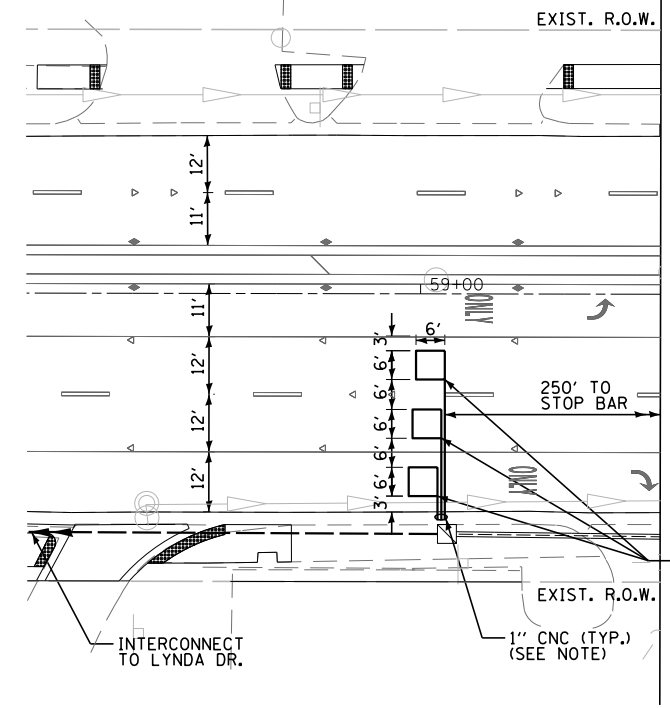


PROP. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

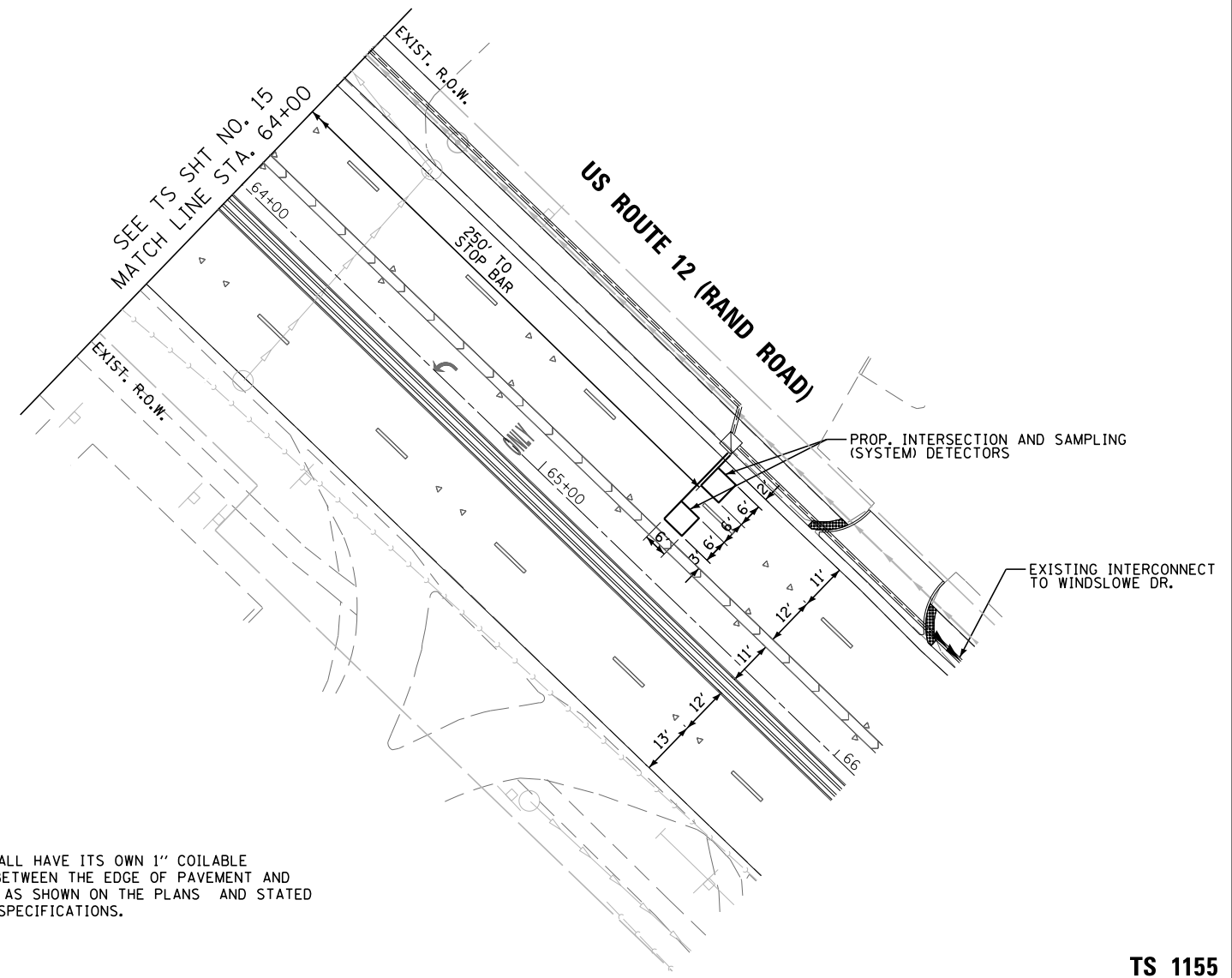
INTERCONNECT TO OLD HICKS RD.



IL ROUTE 68 (DUNDEE ROAD)



SEE TS SHT NO. 15
MATCH LINE STA. 64+00



NOTE:
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

TS SHT NO. 16

**TS 1155
ECON 164**

| | | | |
|--|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D162A26-sht-16 Modernization Plan - Rand | | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

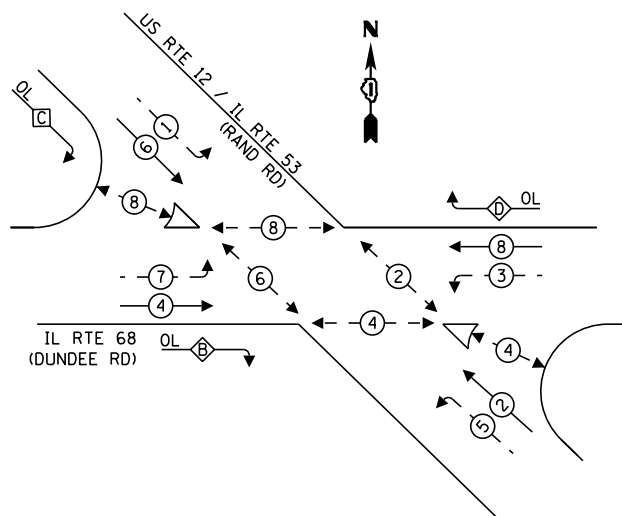
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD)**

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 121 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

PROPOSED CONTROLLER SEQUENCE



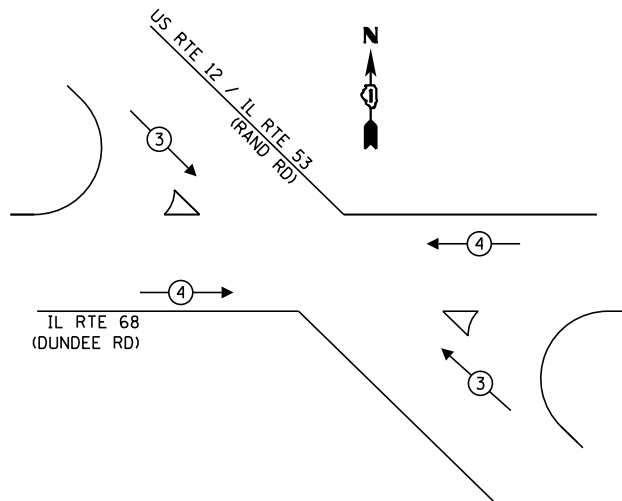
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| B | = 4 | + 5 |
| C | = 6 | + 7 |
| D | = 8 | + 1 |

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

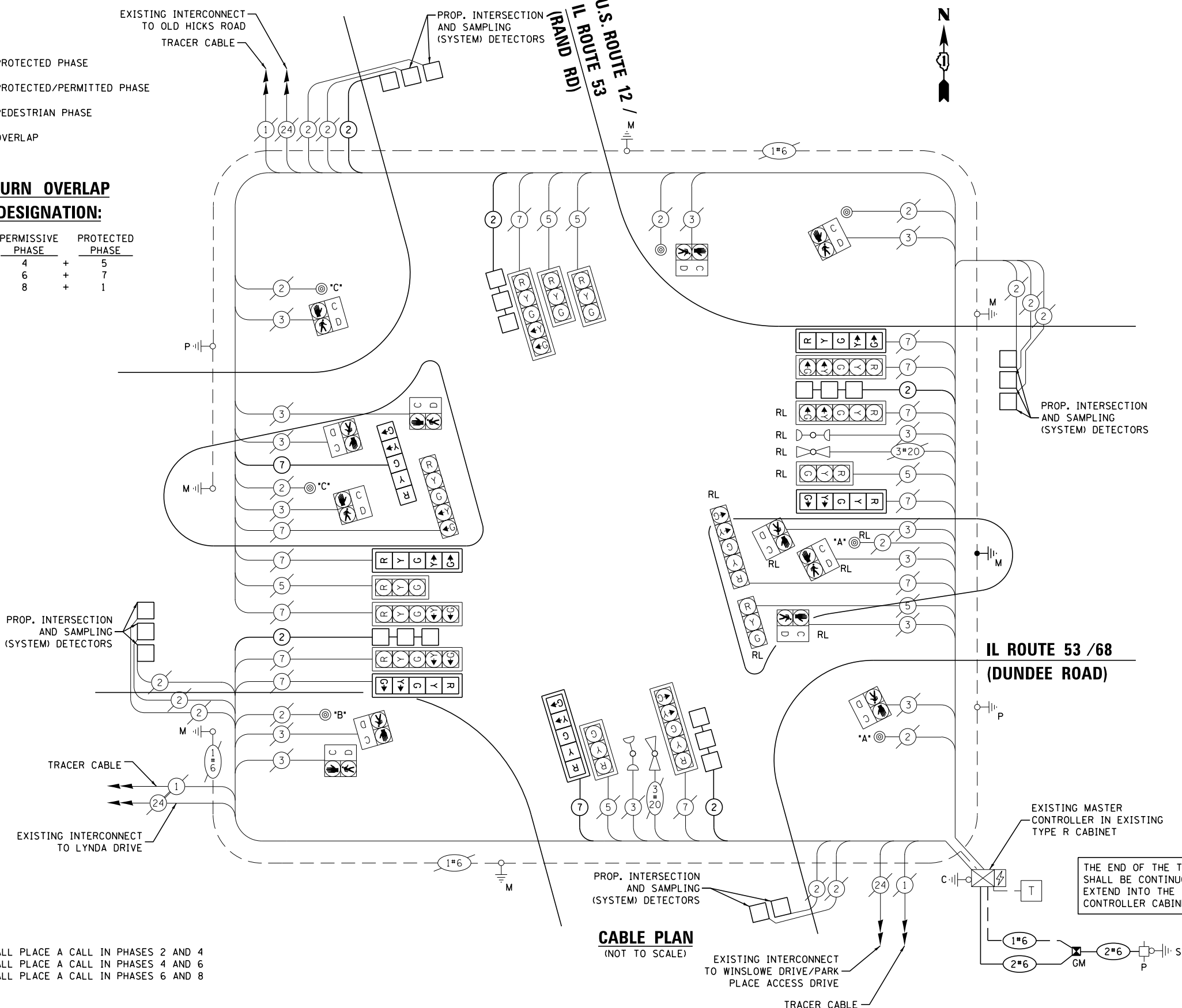


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| 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 | 28 | 10 | 10 | 28.0 |
| PED. SIGNAL | 12 | 20 | 100 | 240.0 |
| 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 | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 631.0 |

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (630) 691-4691
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 360-114-1005

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8



CABLE PLAN
(NOT TO SCALE)

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

TS SHT NO.17

| | | | |
|----------------------------------|----------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvids | DESIGNED - V.O. | REVISED - |
| DIG2A26-sht-17-Cable Plan - Rand | | DRAWN - E.C. | REVISED - |
| | | CHECKED - V.P. | REVISED - |
| | | DATE - 4/29/2019 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 53 / 68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD)
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 122 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 1155
ECON 164

SCHEDULE OF QUANTITIES

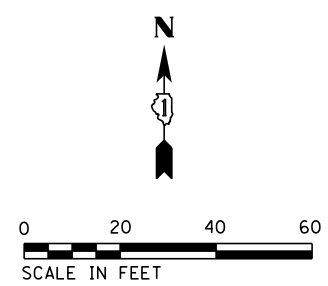
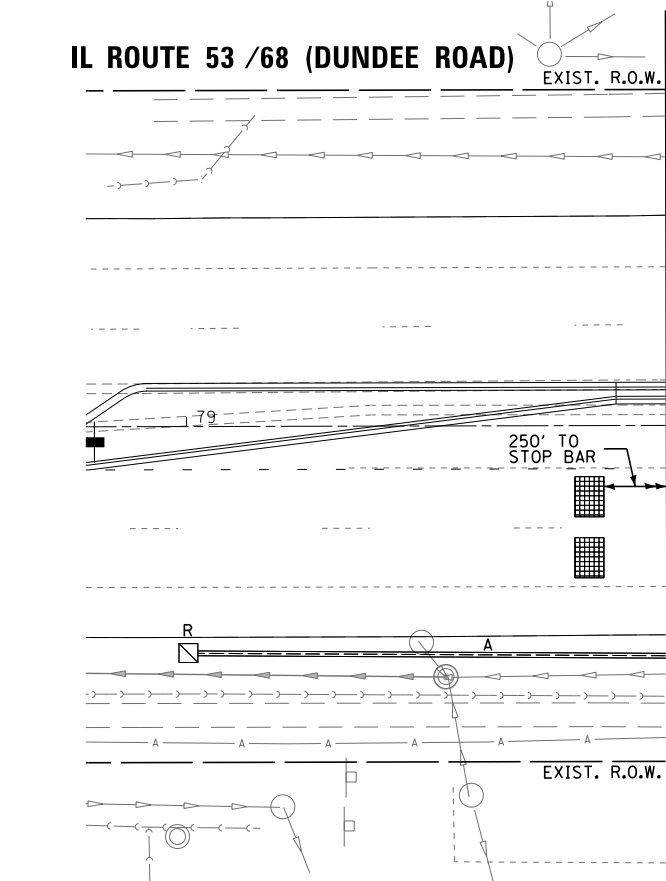
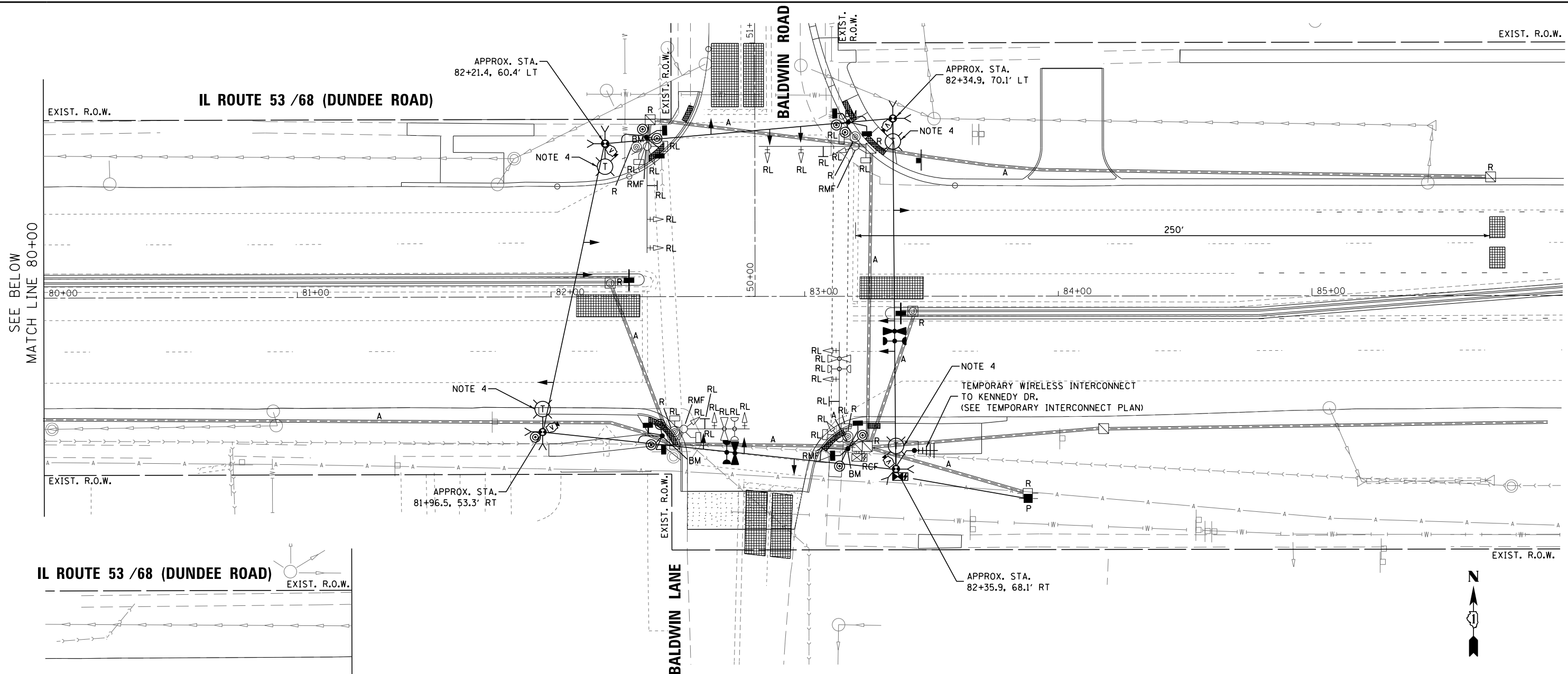
| ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|--|-------|------------|
| RELOCATE SIGN PANEL - TYPE 2 | SQ FT | 10 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 450 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 5 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 285 |
| HANDHOLE | EACH | 1 |
| HEAVY-DUTY HANDHOLE | EACH | 4 |
| DOUBLE HANDHOLE | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 665 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1619 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 61 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 127 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 11 |
| DRILL EXISTING HANDHOLE | EACH | 6 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 5 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 5 |
| INDUCTIVE LOOP DETECTOR | EACH | 1 |
| DETECTOR LOOP, TYPE I | FOOT | 876 |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| RELOCATE EXISTING SIGNAL HEAD | EACH | 4 |
| RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD | EACH | 3 |
| RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON | EACH | 1 |
| RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE | EACH | 1 |
| MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| * RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT | EACH | 1 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 1710 |
| REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 6829 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 5 |
| REMOVE EXISTING DOUBLE HANDHOLE | EACH | 1 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 1 |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 |
| INTERCEPT EXISTING CONDUIT | EACH | 4 |
| TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |

* 100% COST TO THE VILLAGE OF PALATINE

TS SHT NO.18

TS 1155
ECON 164

| | | | | | | | | | | | |
|--|-------------------------------|------------------|-----------|---|---|--------------------|---------------------|--------|--------------|---------------------------|--|
| FILE NAME = D:\62A26-sht-18-Mast Arm Mounted - Rend | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES IL ROUTE 53 /68 (DUNDEE ROAD) AND US ROUTE 12 (RAND ROAD) | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | DRAWN - E.C. | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 123 | |
| | | CHECKED - V.P. | REVISED - | | | CONTRACT NO. 62A26 | | | | | |
| | | DATE - 4/29/2019 | REVISED - | | | SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | |



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH MAST ARM ASSEMBLY AND POLE
- 4 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL EQUIPMENT:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH CONTROLLER AND CABINET (COMPLETE) WITH UPS
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH STREET NAME SIGN

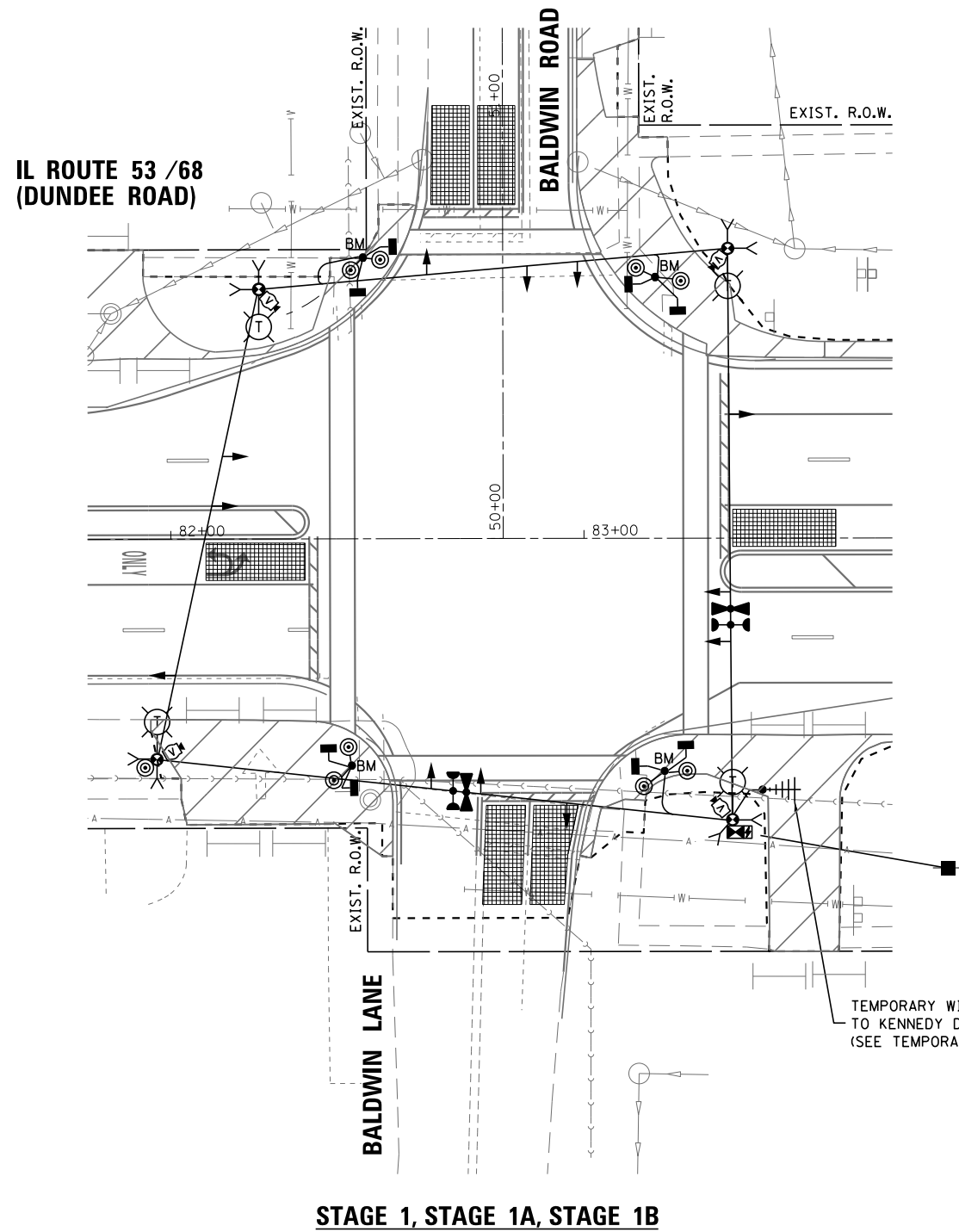
NOTES:

1. SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.
2. TEMPORARY TRAFFIC SIGNAL HEADS SHOWN ON THE PLANS ARE FOR PRE-STAGE AND SHALL BE MOVED ACCORDINGLY FOR EACH CONSTRUCTION STAGE.
3. INSTALLATION OF BARREL MOUNTED POSTS FOR PEDESTRIAN SIGNALS AND PUSH-BUTTONS AS NEEDED AND AS SHOWN IN PLANS FOR VARIOUS CONSTRUCTION STAGES. MINIMUM DISTANCE FROM EDGE OF TRAVELED WAY SHALL BE 6-FEET.
4. SEE LIGHTING PLANS FOR DETAILS.
5. THE PROPOSED TRAFFIC SIGNALS SHALL BE CONSTRUCTED AND PUT IN OPERATION PRIOR TO STARTING ANY CONSTRUCTION WORK IN STAGE 3.

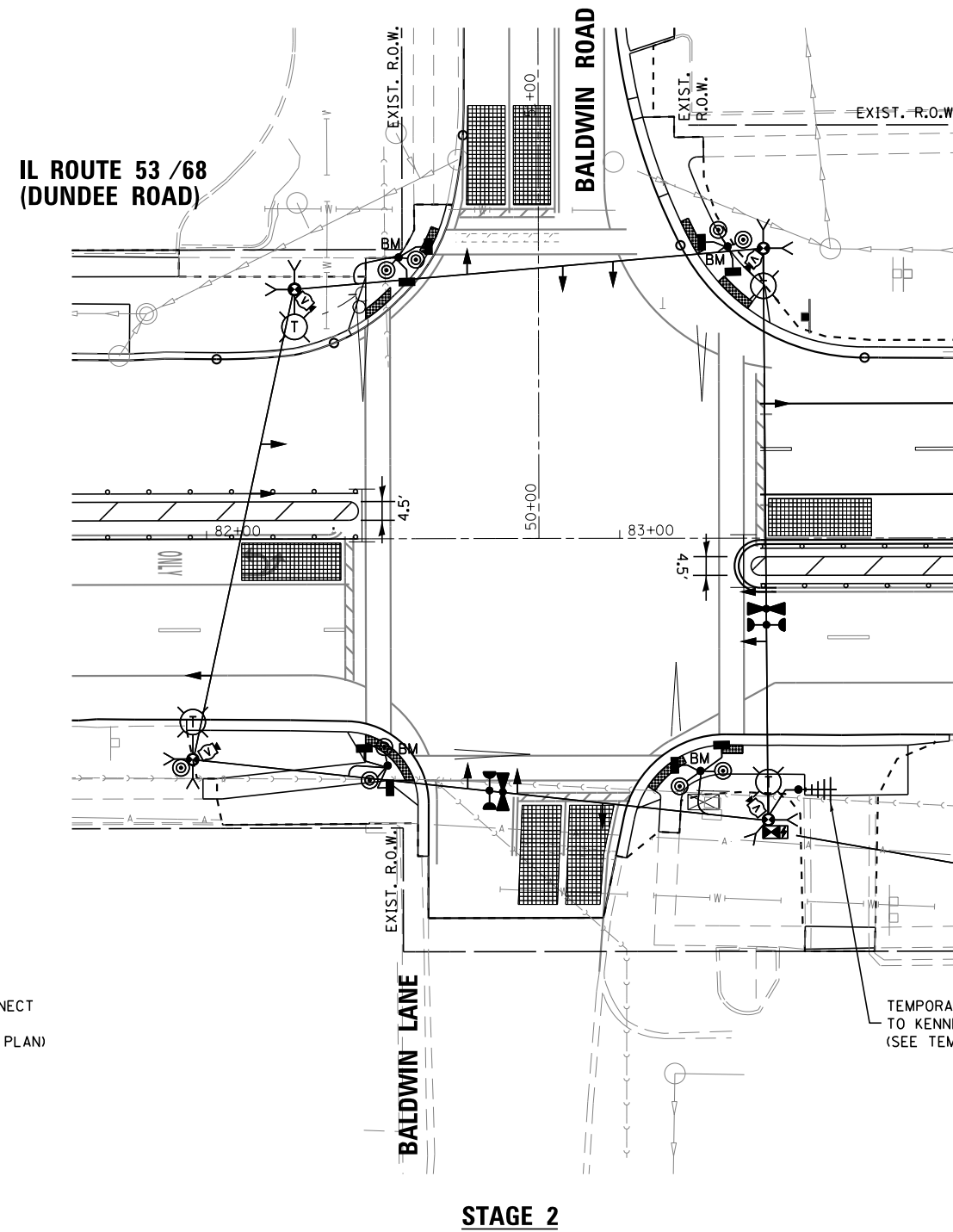
TS SHT NO. 19

**TS 2685
ECON 1**

| | | | | | | | | | | | | |
|---|---------------------------------|------------------|-----------|---|---|---------------------------|---------------------|---------------|--------------------|-----------------|--|--|
| FILE NAME = D162A26-sht-19 Temp Sig & Removal Plan | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN IL ROUTE 53 /68 (DUNDEE ROAD) AND BALDWIN ROAD/BALDWIN LANE | F.A.P. RTE. = 343 | SECTION = 3041-N-2 | COUNTY = COOK | TOTAL SHEETS = 226 | SHEET NO. = 124 | | |
| #MODELNAME# | PLOT SCALE = 39.99992011.000000 | CHECKED - V.P. | REVISED - | | | SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. TO STA. | CONTRACT NO. 62A26 | | | |
| | PLOT DATE = 29-APR-2019 13:37 | DATE = 4/29/2019 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | | |
| | | | | | | | | | | | | |



STAGE 1, STAGE 1A, STAGE 1B



STAGE 2

NOTE:

1. THE PROPOSED TRAFFIC SIGNALS SHALL BE CONSTRUCTED AND PUT IN OPERATION PRIOR TO STARTING ANY CONSTRUCTION WORK IN STAGE 3.

TS SHT NO. 20

**TS 2685
ECON 1**

| | | | |
|---|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D:\62A26-sht-20 Temp Sig Plan - Baldwin | Stage 1-Stage 2 | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 39.99992011.000000 | CHECKED - V.P. | REVISED - |
| \$MODELNAME\$ | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

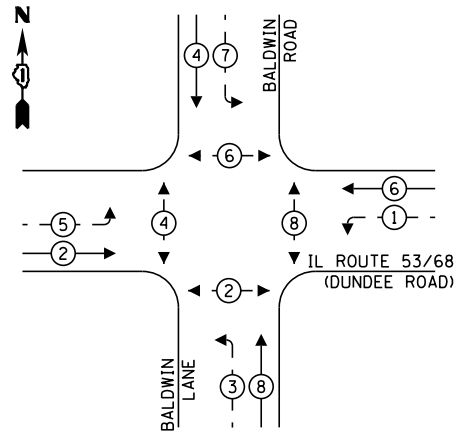
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION-STAGES 1, 1A, 1B, & 2
IL ROUTE 53 /68 (DUNDEE ROAD) AND BALDWIN ROAD/BALDWIN LANE**

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

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 125 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

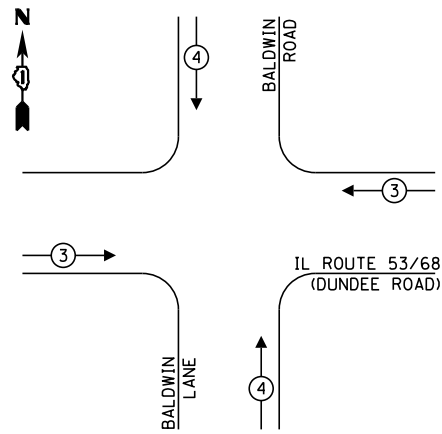
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**

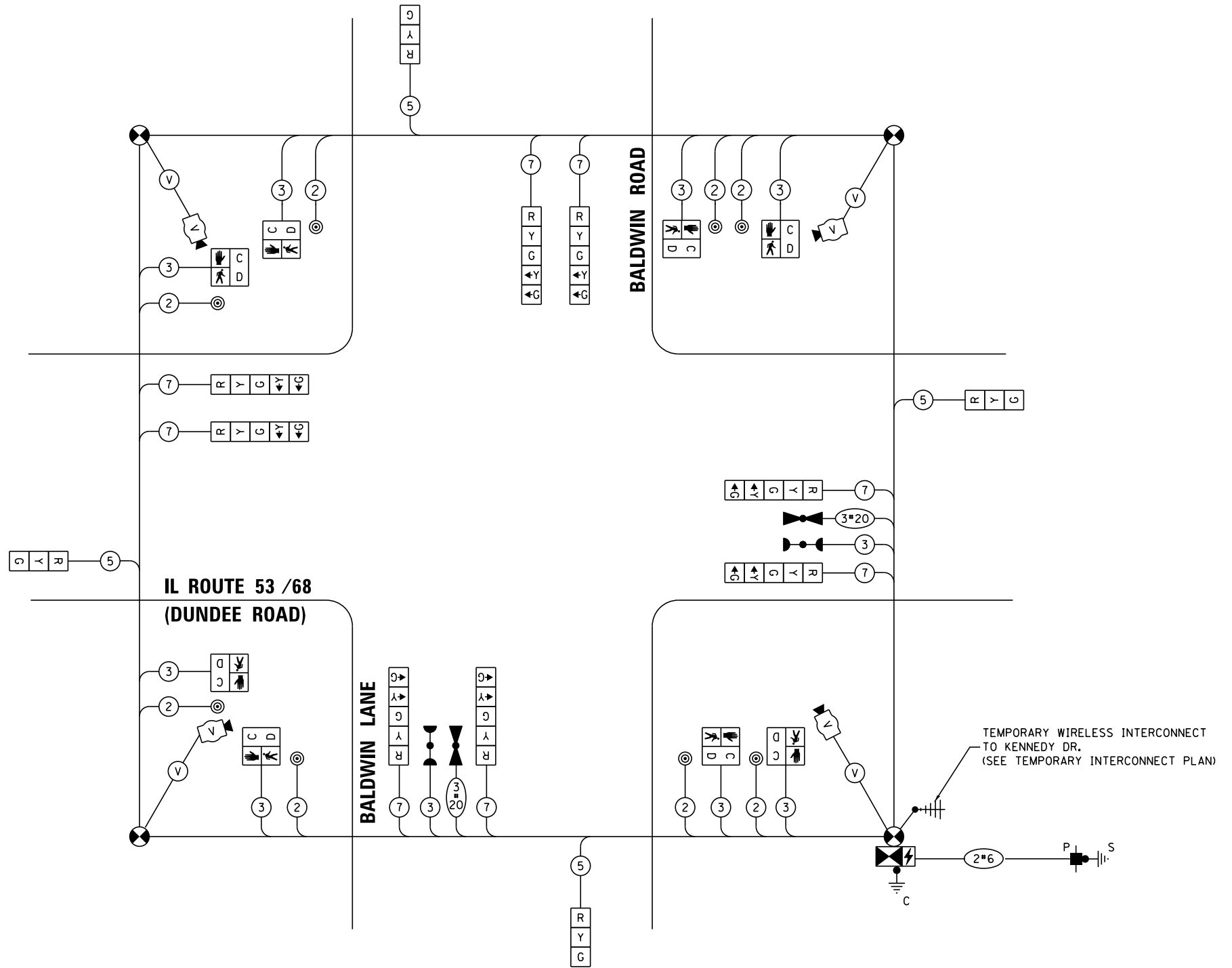


**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 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 | - | - | - | - |
| TOTAL = | | | | 593.8 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (630) 691-4691
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 101-103-5181

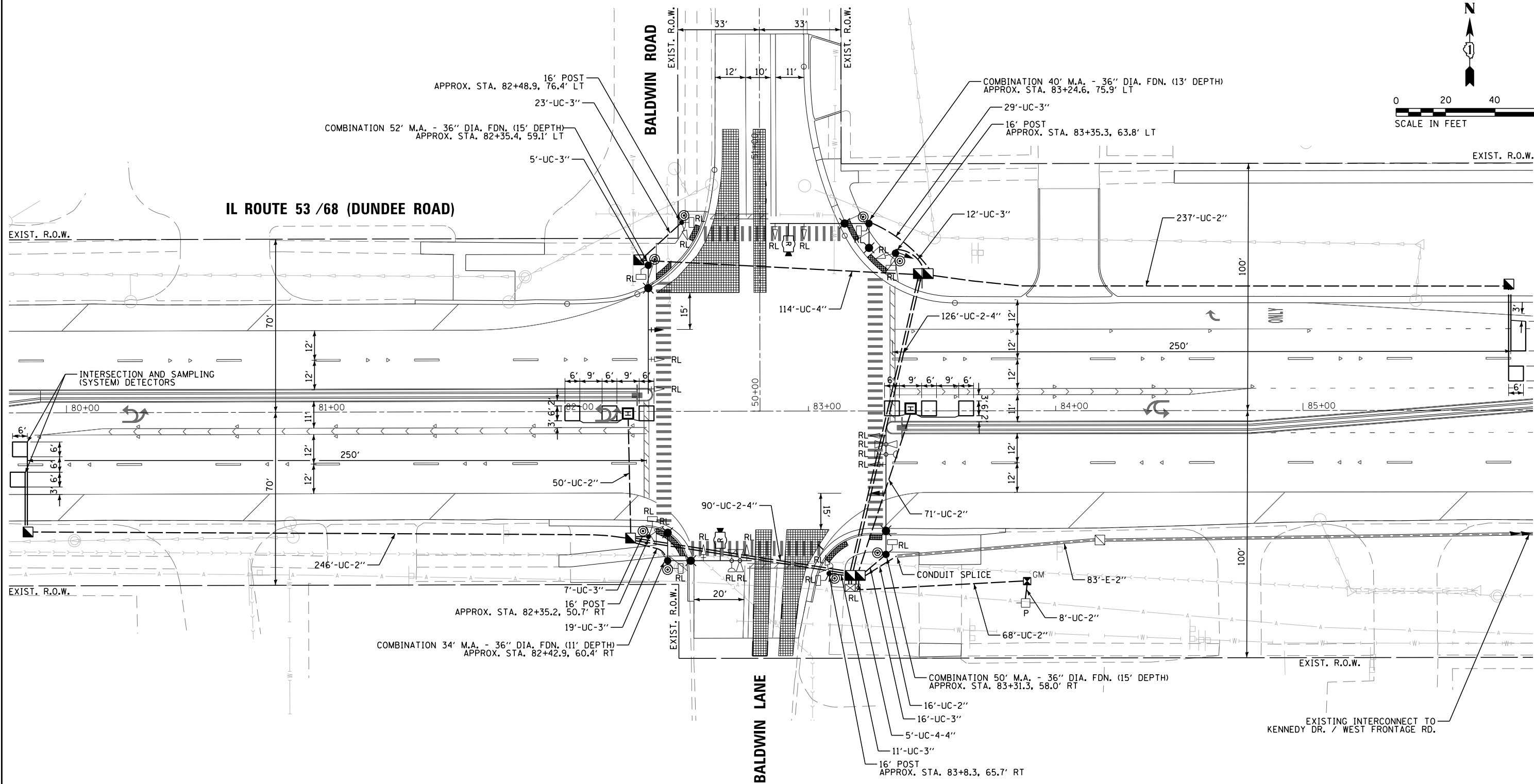
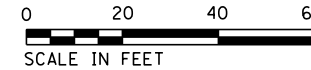


CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 21

TS 2685
ECON 1

| | | | | | | | | | | | | |
|---|---------------------------------|------------------|-----------|---|--|---------------------------|---------------------|---------------|--------------------|-----------------|--|--|
| FILE NAME = D:\62A26-sht-21-Temp Cable Plan - Baldwin | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TEMPORARY CABLE PLAN, TEMPORARY PHASES DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE IL ROUTE 53 /68 (DUNDEE ROAD) AND BALDWIN ROAD/BALDWIN LANE | F.A.P. RTE. = 343 | SECTION = 3041-N-2 | COUNTY = COOK | TOTAL SHEETS = 226 | SHEET NO. = 126 | | |
| *MODELNAME* | PLOT SCALE = 39.999920:1.000000 | CHECKED - V.P. | REVISED - | | | SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. TO STA. | CONTRACT NO. 62A26 | | | |
| | PLOT DATE = 29-APR-2019 13:37 | DATE = 4/29/2019 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | | |
| | | | | | | | | | | | | |



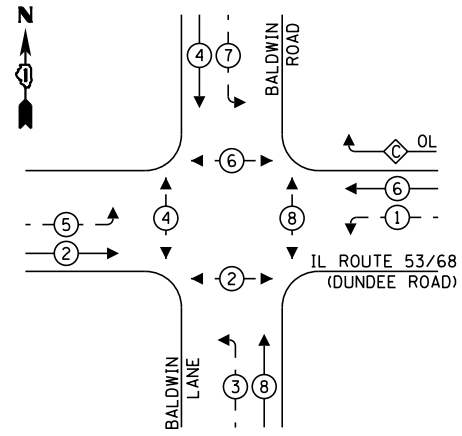
- NOTES:**
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S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

TS SHT NO. 22

TS 2685
ECON 1

| | | | | | | | | | | | |
|---|----------------------|------------------|-----------|---|--|---------------------|-------------|---------|--------|---------------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL MODERNIZATION PLAN IL ROUTE 53 /68 (DUNDEE ROAD) AND BALDWIN ROAD/BALDWIN LANE | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| D162426-sht-22 Modernization Plan - Baldwin | | DRAWN - E.C. | REVISED - | | 343 | 3041-N-2 | COOK | 226 | 127 | CONTRACT NO. 62A26 | |
| *MODELNAME* | | CHECKED - V.P. | REVISED - | | SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA. | | ILLINOIS FED. AID PROJECT | |
| | | DATE - 4/29/2019 | REVISED - | | | | | | | | |

PROPOSED CONTROLLER SEQUENCE



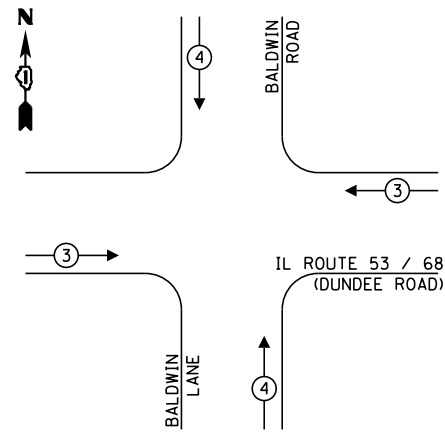
LEGEND:

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

**RIGHT TURN OVERLAP
PHASE DESIGNATION:**

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE
C = 6 + 7

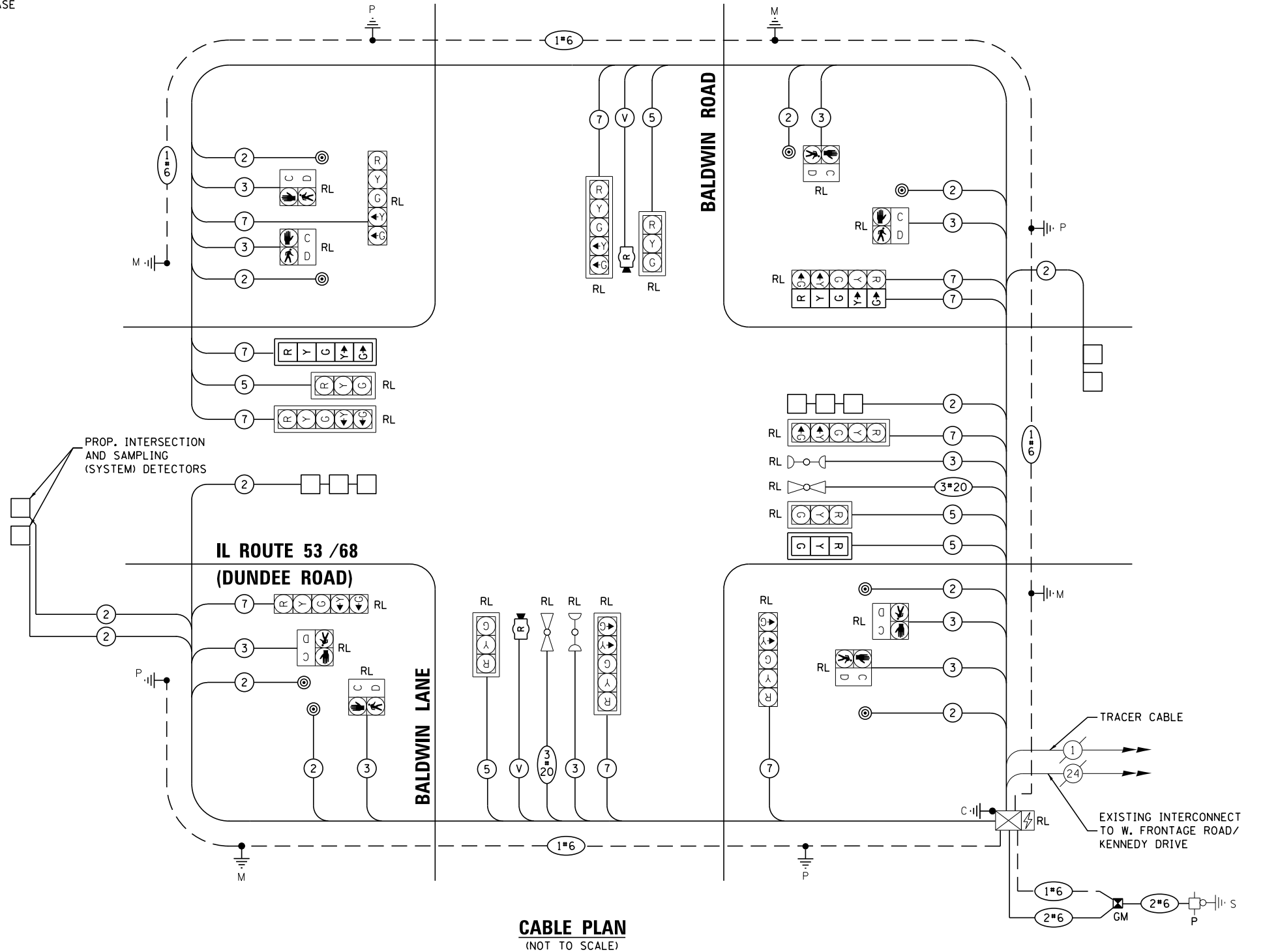
**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 15 | 11 | 50 | 82.5 |
| (YELLOW) | 15 | 20 | 5 | 15.0 |
| (GREEN) | 15 | 12 | 45 | 81.0 |
| 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 | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 483.5 |

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (630) 691-4691
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 101-103-5181



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 23

| | | | |
|-------------------------------------|-------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| DIG2A26-sht-23-Cable Plan - Baldwin | | DRAWN - E.C. | REVISED - |
| | | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 06-MAY-2019 11:15 | DATE - 4/29/2019 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**
IL ROUTE 53 / 68 (DUNDEE RD) AND BALDWIN ROAD/BALDWIN LANE
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 128 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 2685
ECON 1

SCHEDULE OF QUANTITIES

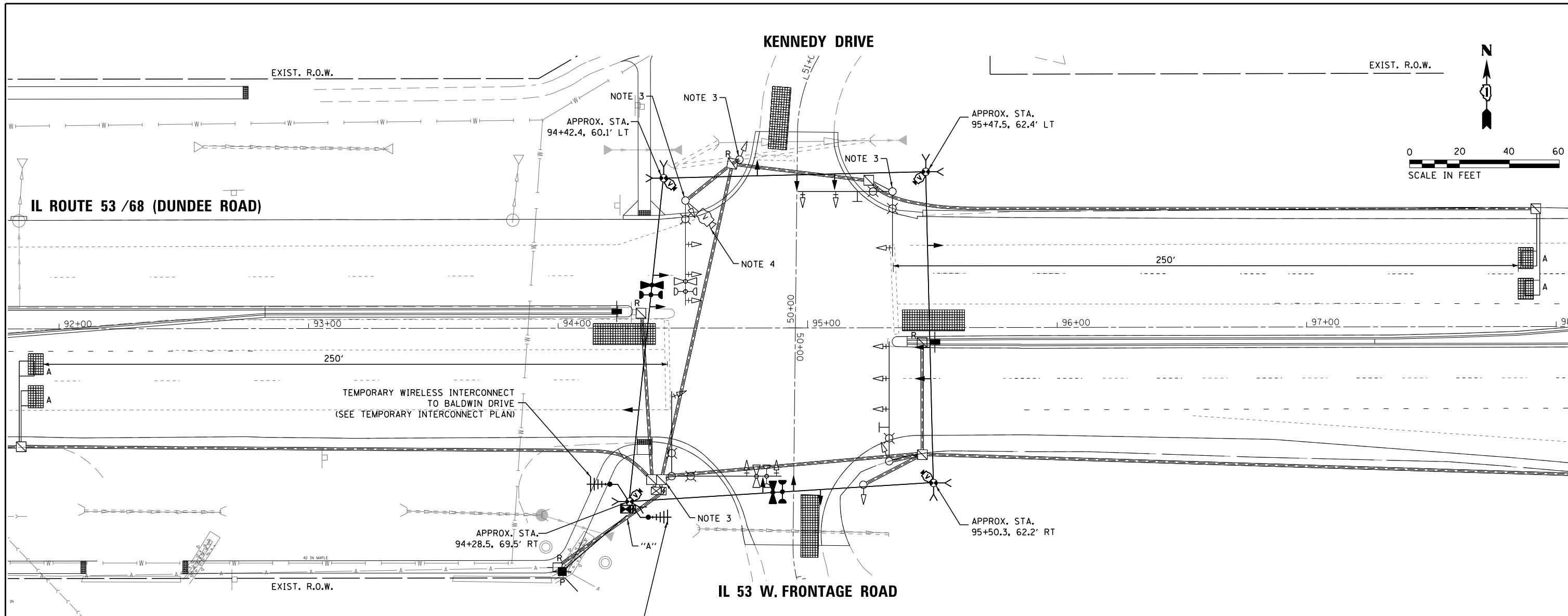
| ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|--|-------|------------|
| RELOCATE SIGN PANEL - TYPE 1 | SO FT | 18 |
| RELOCATE SIGN PANEL - TYPE 2 | SO FT | 30 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 696 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 122 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 566 |
| HANDHOLE | EACH | 4 |
| HEAVY-DUTY HANDHOLE | EACH | 2 |
| DOUBLE HANDHOLE | EACH | 2 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1390 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 1734 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 963 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 2164 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1052 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 105 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 655 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 4 |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. | EACH | 1 |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. | EACH | 1 |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. | EACH | 1 |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 20 |
| CONCRETE FOUNDATION, TYPE C | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 54 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 1 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 2 |
| DETECTOR LOOP, TYPE I | FOOT | 383 |
| PEDESTRIAN PUSH-BUTTON | EACH | 8 |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| RELOCATE EXISTING SIGNAL HEAD | EACH | 12 |
| RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD | EACH | 8 |
| * RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT | EACH | 2 |
| MODIFY EXISTING CONTROLLER | EACH | 1 |
| MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 7 |
| REMOVE EXISTING DOUBLE HANDHOLE | EACH | 1 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 5 |
| * EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 303 |
| RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE | EACH | 1 |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 |
| RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR | EACH | 2 |
| CONDUIT SPLICE | EACH | 1 |
| TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |

* 100% COST TO THE VILLAGE OF PALATINE

TS SHT NO. 24

TS 2685
ECON 1

| | | | | | | | | | | | | |
|---|---------------------------------|------------------|-----------|---|---|----------|------|-------------|---------|--------|--------------|---------------------------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES IL ROUTE 53 /68 (DUNDEE ROAD) AND BALDWIN ROAD/BALDWIN LANE | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| D162A26-sht-24-Mast Arm Mounted - Baldwin | | DRAWN - E.C. | REVISED - | | 343 | 3041-N-2 | COOK | 226 | 129 | | | |
| *MODELNAME* | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - | | CONTRACT NO. 62A26 | | | | | | | |
| | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO | STA. | ILLINOIS FED. AID PROJECT |



PRESTAGE

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT 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'S BID PRICE.

- 1 EACH VIDEO DETECTION CAMERA

NOTES:

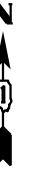
1. SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.
2. TEMPORARY TRAFFIC SIGNAL HEADS SHOWN ON THE PLANS ARE FOR PRE-STAGE AND SHALL BE MOVED ACCORDINGLY FOR EACH CONSTRUCTION STAGE.
3. THE EXISTING ELECTRIC CABLES FOR THE TRAFFIC SIGNAL HEADS AND EVP EQUIPMENT MOUNTED ON THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT LISTED BELOW SHALL BE PULLED BACK TO THE EXISTING DOUBLE HANDHOLE (STA. 94+39, 60' RT.) COIL AND STORE. REINSTALL ELECTRIC CABLES WHEN PROPOSED CONDUIT AND DOUBLE HANDHOLE HAS BEEN INSTALLED. SEE TS SHEETS NO. 23 & NO. 24 FOR MORE DETAILS.
 - MAST ARM POLE (NE CORNER) - STA. 95+34, 55' LT.
 - POST (NW CORNER) - STA. 94+73, 67' LT.
 - MAST ARM POLE (NW CORNER) - STA. 94+51, 51' LT.
4. REMOVE EXISTING VIDEO DETECTION CAMERA.

| | | | |
|--|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D162A26-sht-25-Temp Sig & Removal Plan | Kennedy | DRAWN - E.C. | REVISED - |
| \$MODELNAME\$ | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - |
| | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
IL RTE 53 /68 (DUNDEE RD) AND KENNEDY DR & IL 53 W. FRONTAGE RD
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 130 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

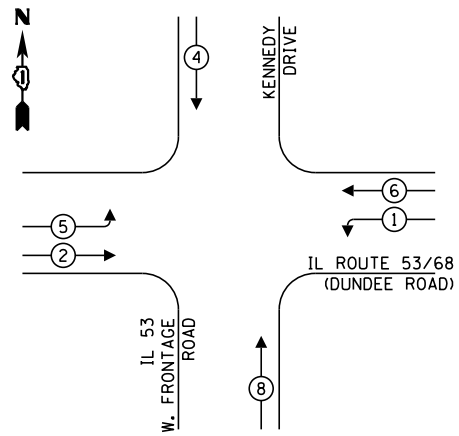


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TS SHT NO. 26

| | | | | | | | | | | |
|---|---------------------------------|------------------|-----------|---|--------|---------------------------|----------|--------|--------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| D162A26-sht-26-Temp Sig - Kennedy - Stage 1 | | DRAWN - E.C. | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 131 |
| *MODELNAME* | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - | | | CONTRACT NO. 62A26 | | | | |
| | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - | | SCALE: | SHEET | OF | SHEETS | STA. | TO |
| ILLINOIS FED. AID PROJECT | | | | | | | | | | |

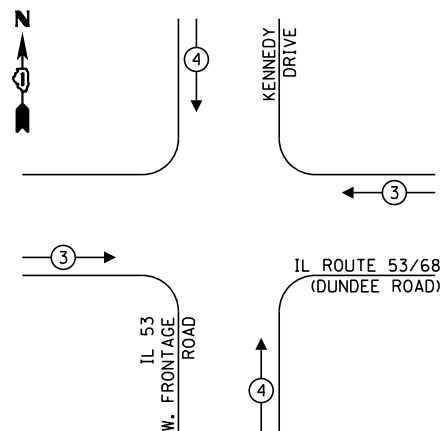
TEMPORARY CONTROLLER SEQUENCE



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) | 12 | 11 | 50 | 66.0 |
| (YELLOW) | 12 | 20 | 5 | 12.0 |
| (GREEN) | 12 | 12 | 45 | 64.8 |
| PERMISSIVE ARROW | 8 | 10 | 10 | 8.0 |
| PED. SIGNAL | - | 20 | 100 | - |
| CONTROLLER | 1 | 100 | 100 | 100.0 |
| UPS | 1 | 25 | 100 | 25.0 |
| VIDEO SYSTEM | 1 | 150 | 100 | 150.0 |
| BLANK-OUT SIGN | - | 25 | 5 | - |
| FLASHER | - | - | 50 | - |
| STREET NAME SIGN | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 425.8 |

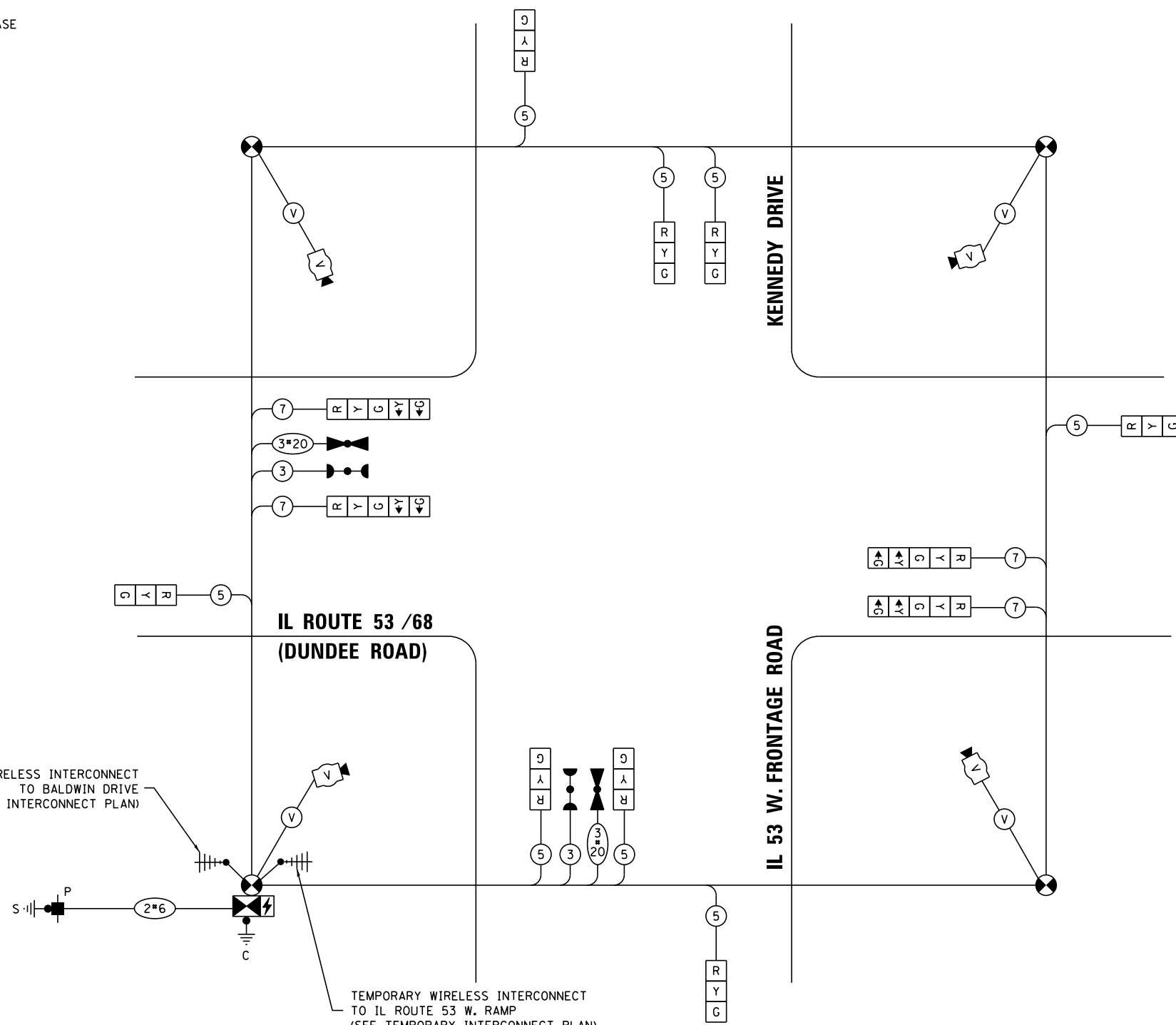
ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (630) 691-4691
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 120-704-1059

TEMPORARY WIRELESS INTERCONNECT TO BALDWIN DRIVE (SEE TEMPORARY INTERCONNECT PLAN)

TEMPORARY WIRELESS INTERCONNECT TO IL ROUTE 53 W. RAMP (SEE TEMPORARY INTERCONNECT PLAN)

CABLE PLAN
(NOT TO SCALE)



TS SHT NO. 27

TS 2660
ECON 1

| | | | |
|--|--------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| DIG2A26-sht-27-Temp Cable Plan - Kennedy | | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 39.9999201:000000 | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

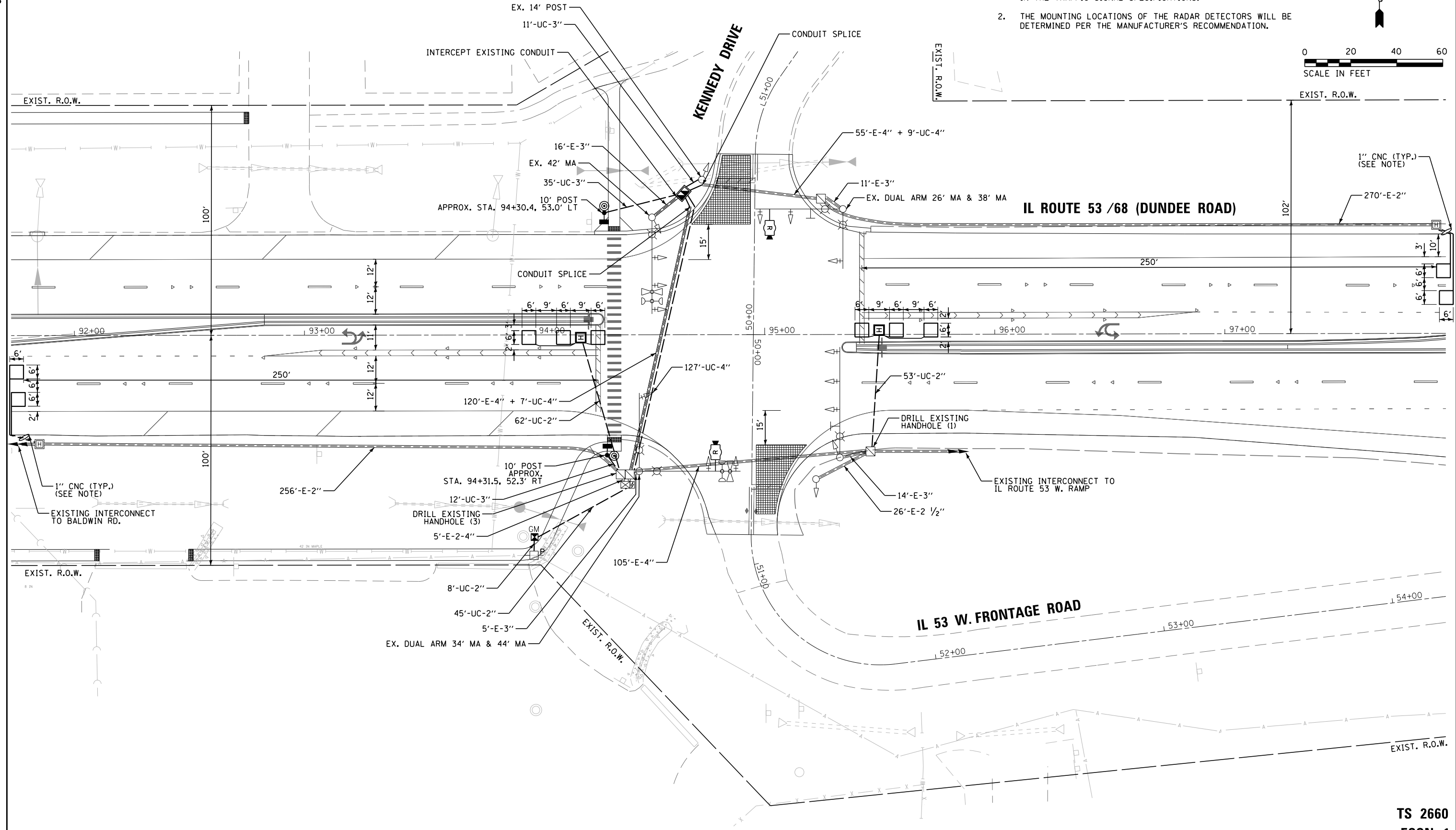
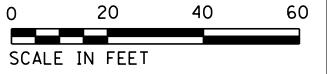
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASES DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 53 /68 (DUNDEE RD) AND KENNEDY DR /IL 53 W. FRONTAGE RD
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 132 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

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



| | | | |
|---|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D162426-sht-28 Modernization Plan - Kennedy | | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

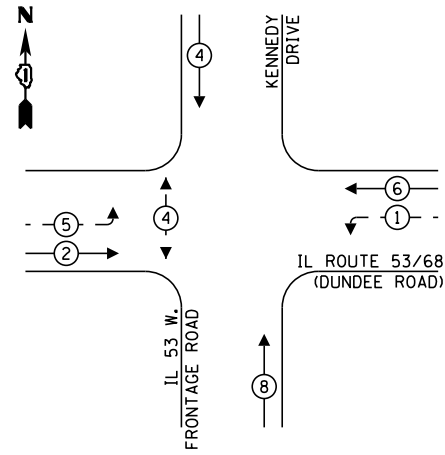
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL RTE 53 /68 (DUNDEE RD) AND KENNEDY DR /IL 53 W. FRONTAGE RD**

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 133 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

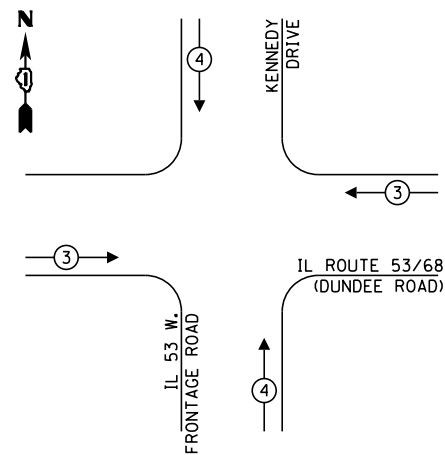
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OVERLAP

**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**

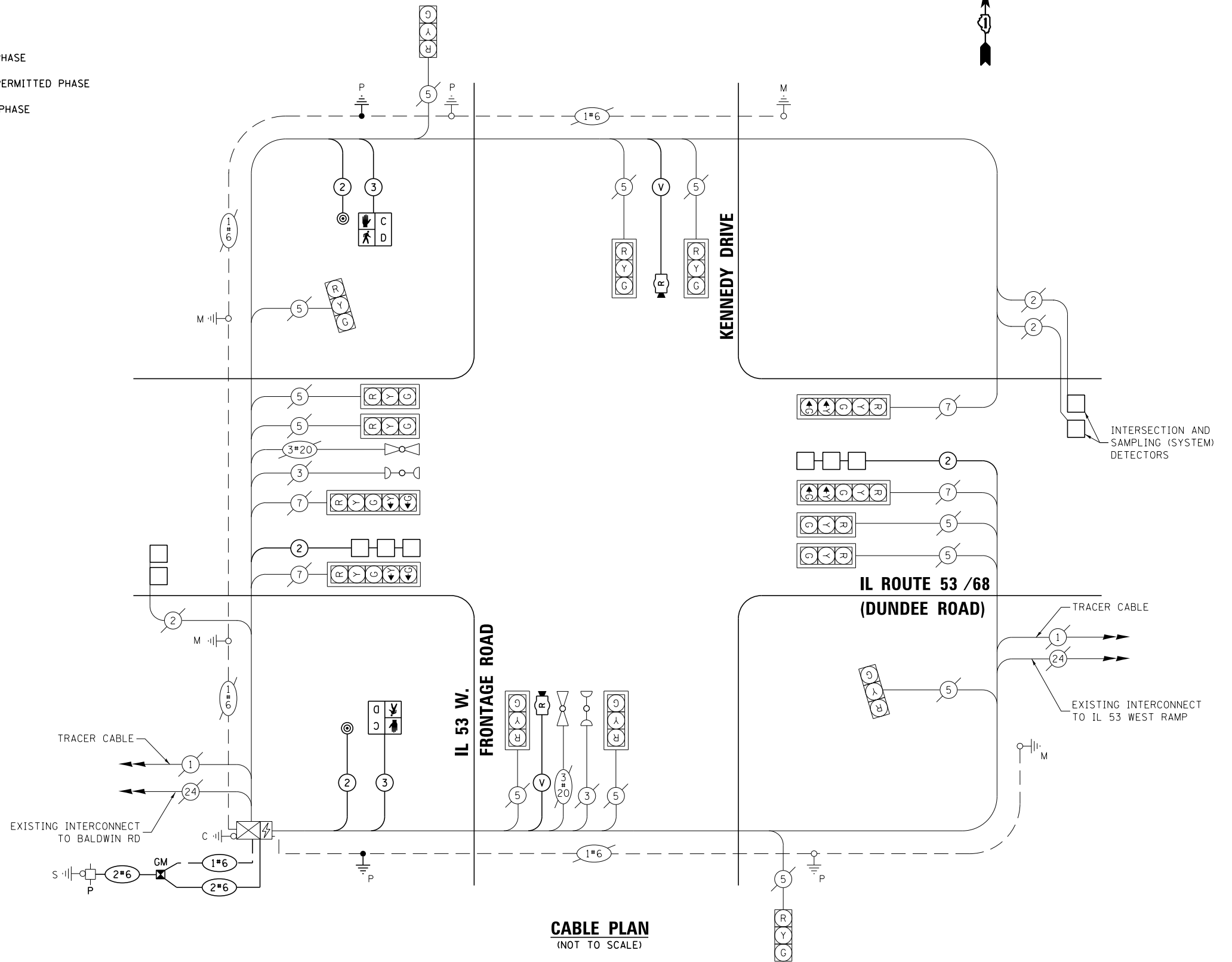


**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

| 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 | 2 | 20 | 100 | 40.0 |
| 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 | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 363.4 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / Schaumburg, IL 60196-1096
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (630) 691-4691
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 120-704-1059



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 29

| | | | | | |
|-------------------------------------|----------------------|------------|-----------|-----------|--|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - | V.O. | REVISED - | |
| D162426-sht-29-Cable Plan - Kennedy | | DRAWN - | E.C. | REVISED - | |
| | | CHECKED - | V.P. | REVISED - | |
| | | DATE - | 4/29/2019 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**
IL RTE 53 /68 (DUNDEE RD) AND KENNEDY DR /IL 53 W. FRONTAGE RD
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 134 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 2660
ECON 1

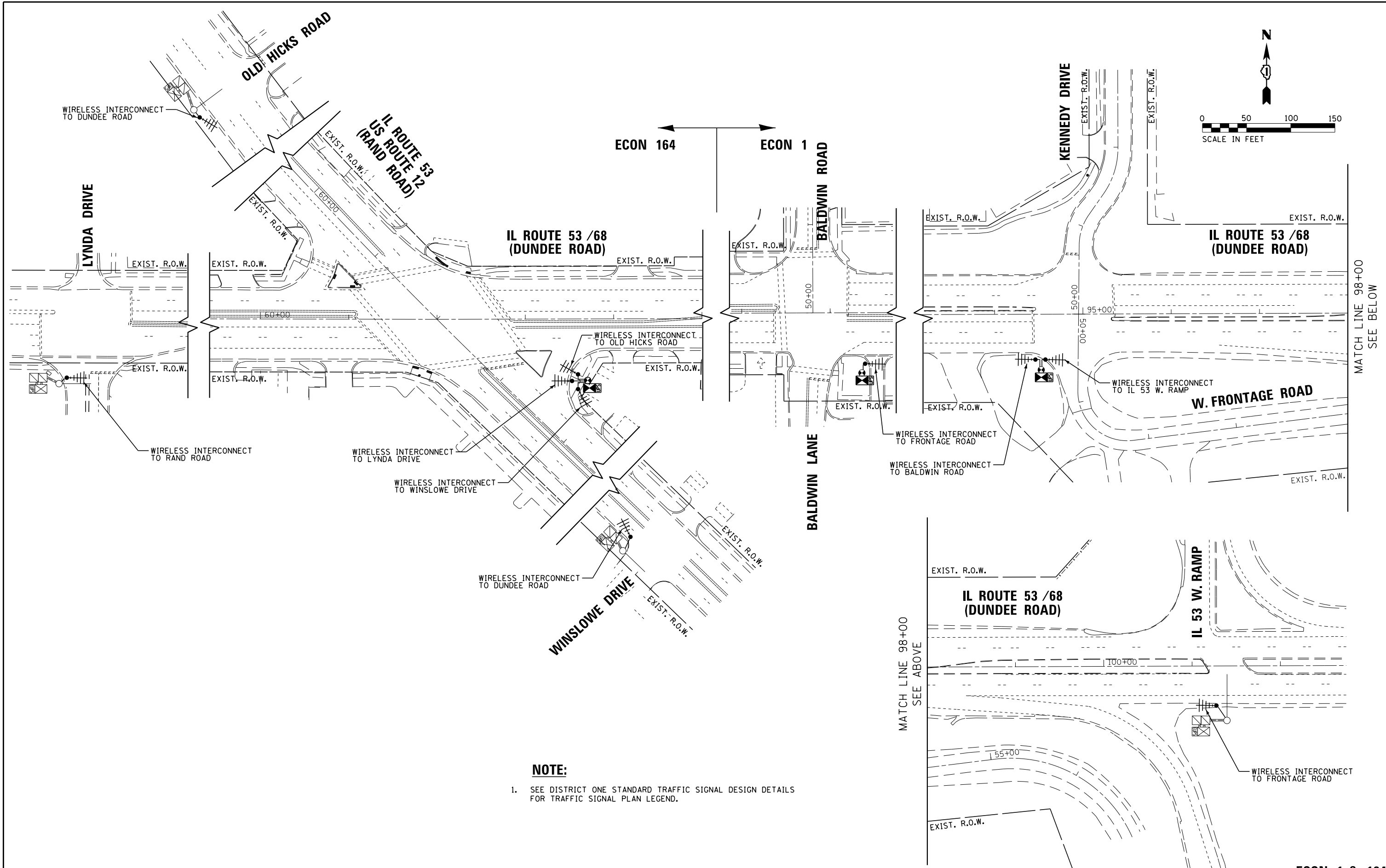
SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|---|-------|------------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 168 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 58 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 143 |
| HEAVY-DUTY HANDHOLE | EACH | 2 |
| DOUBLE HANDHOLE | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 255 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 269 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 285 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 94 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 97 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT. | EACH | 2 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 16 |
| DRILL EXISTING HANDHOLE | EACH | 4 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 |
| DETECTOR LOOP, TYPE 1 | FOOT | 440 |
| PEDESTRIAN PUSH-BUTTON | EACH | 2 |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| MODIFY EXISTING CONTROLLER | EACH | 1 |
| REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 3916 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 3 |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 |
| RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR | EACH | 2 |
| CONDUIT SPLICE | EACH | 2 |
| INTERCEPT EXISTING CONDUIT | EACH | 1 |
| TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |

TS SHT NO. 30

TS 2660
ECON 1

| | | | | | | | | | | | |
|---|---------------------------------|------------------|-----------|---|--|---------------------------|---------------------|--------|--------------|---------------------------|--|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES IL RTE 53 /68 (DUNDEE RD) AND KENNEDY DR /IL 53 W. FRONTAGE RD | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| D162A26-sht-30-Mast Arm Mounted - Kennedy | | DRAWN - E.C. | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 135 | |
| *MODELNAME* | PLOT SCALE = 40.000000:1.000000 | CHECKED - V.P. | REVISED - | | | CONTRACT NO. 62A26 | | | | | |
| | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - | | | SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | |



NOTE:

1. SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.

| | | | |
|--|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D162A26-sht-31-Temporary Interconnect Plan | | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 99.99980001:000000 | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | DATE - 4/29/2019 | REVISED - |

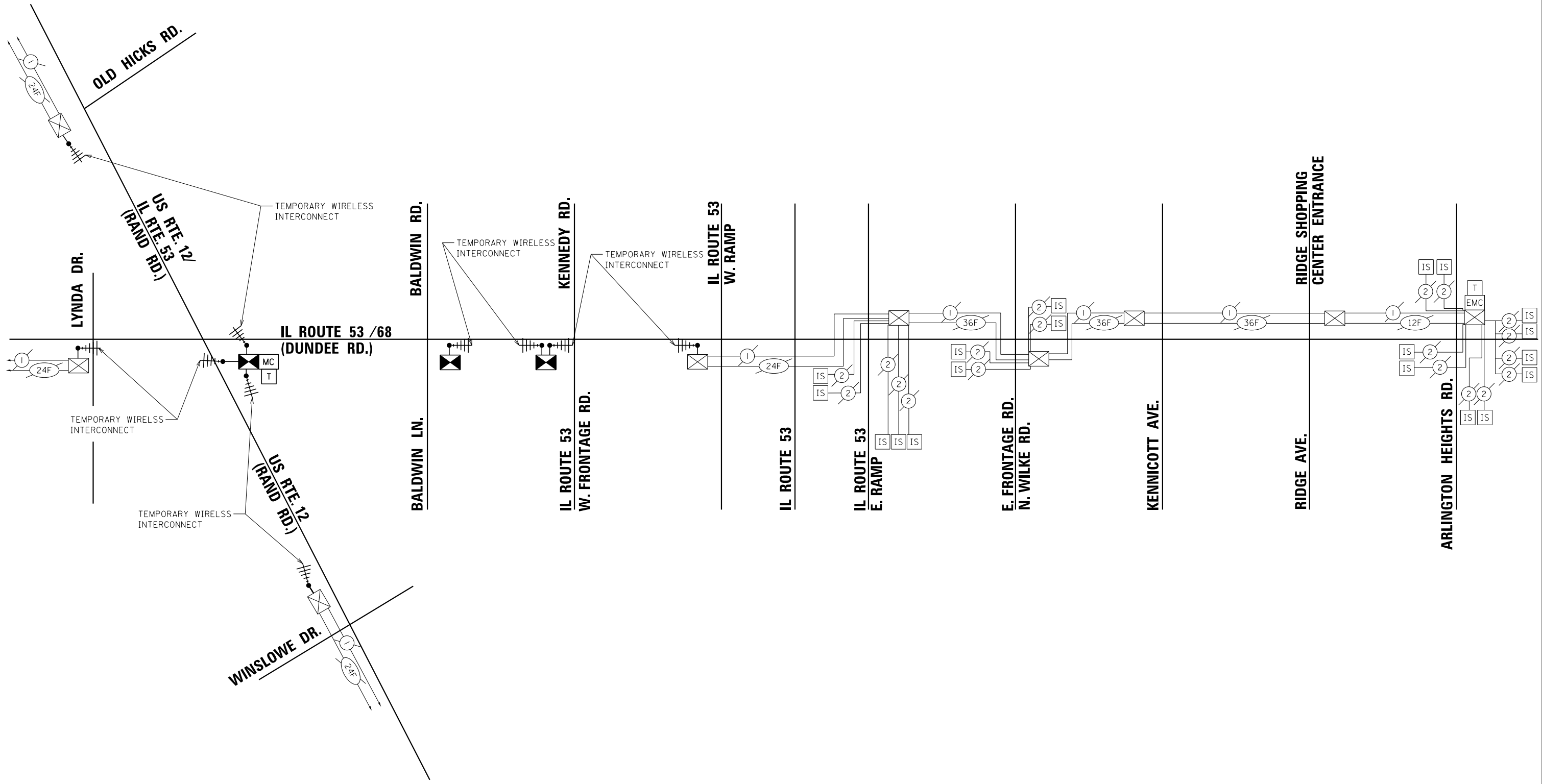
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|----------------------------------|
| TEMPORARY INTERCONNECT PLAN | |
| IL ROUTE 53 /68 (DUNDEE RD) FROM LYNDA DR TO IL 53 W. RAMP | |
| SCALE: 1"=50' | SHEET 1 OF 1 SHEETS STA. TO STA. |

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 136 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

ECON 1 & 164

MATCH LINE 98+00
SEE BELOW



TS SHT NO. 32

ECON 1 & 164

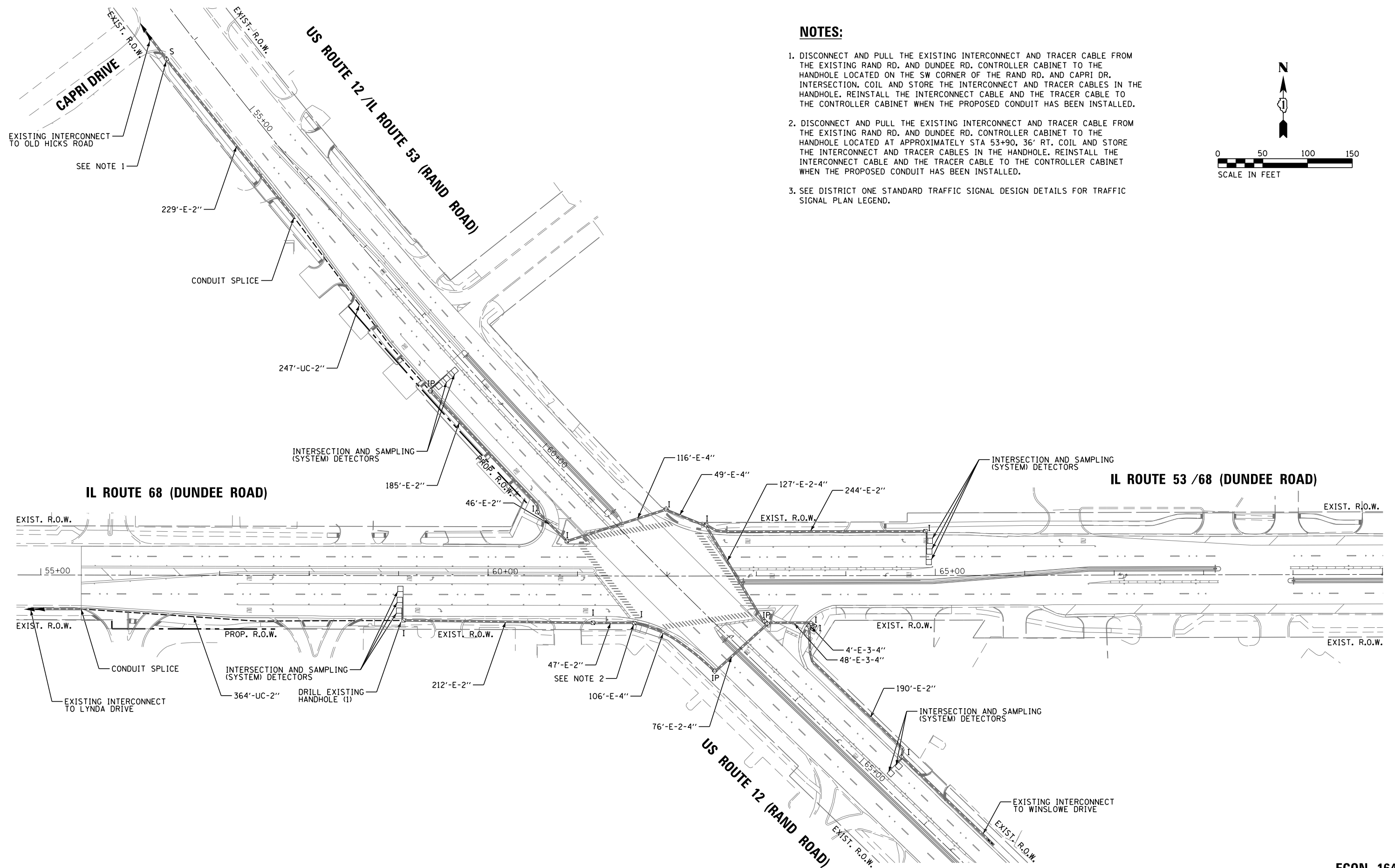
| | | | |
|---|-------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D:\62A26-sht-32-Temporary Interconnect Schematics | | DRAWN - E.C. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:37 | CHECKED - V.P. | REVISED - |
| | | DATE - 4/29/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY INTERCONNECT SCHEMATIC
IL ROUTE 68 (DUNDEE RD.)
FROM US 12 /IL 53 (RAND RD.) TO ARLINGTON HTS. RD.

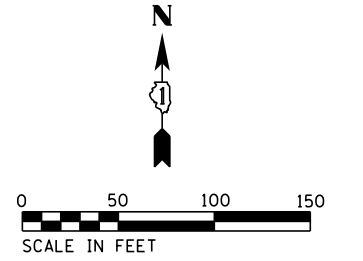
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 137 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. DISCONNECT AND PULL THE EXISTING INTERCONNECT AND TRACER CABLE FROM THE EXISTING RAND RD. AND DUNDEE RD. CONTROLLER CABINET TO THE HANDHOLE LOCATED ON THE SW CORNER OF THE RAND RD. AND CAPRI DR. INTERSECTION. COIL AND STORE THE INTERCONNECT AND TRACER CABLES IN THE HANDHOLE. REINSTALL THE INTERCONNECT CABLE AND THE TRACER CABLE TO THE CONTROLLER CABINET WHEN THE PROPOSED CONDUIT HAS BEEN INSTALLED.
2. DISCONNECT AND PULL THE EXISTING INTERCONNECT AND TRACER CABLE FROM THE EXISTING RAND RD. AND DUNDEE RD. CONTROLLER CABINET TO THE HANDHOLE LOCATED AT APPROXIMATELY STA 53+90, 36' RT. COIL AND STORE THE INTERCONNECT AND TRACER CABLES IN THE HANDHOLE. REINSTALL THE INTERCONNECT CABLE AND THE TRACER CABLE TO THE CONTROLLER CABINET WHEN THE PROPOSED CONDUIT HAS BEEN INSTALLED.
3. SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.

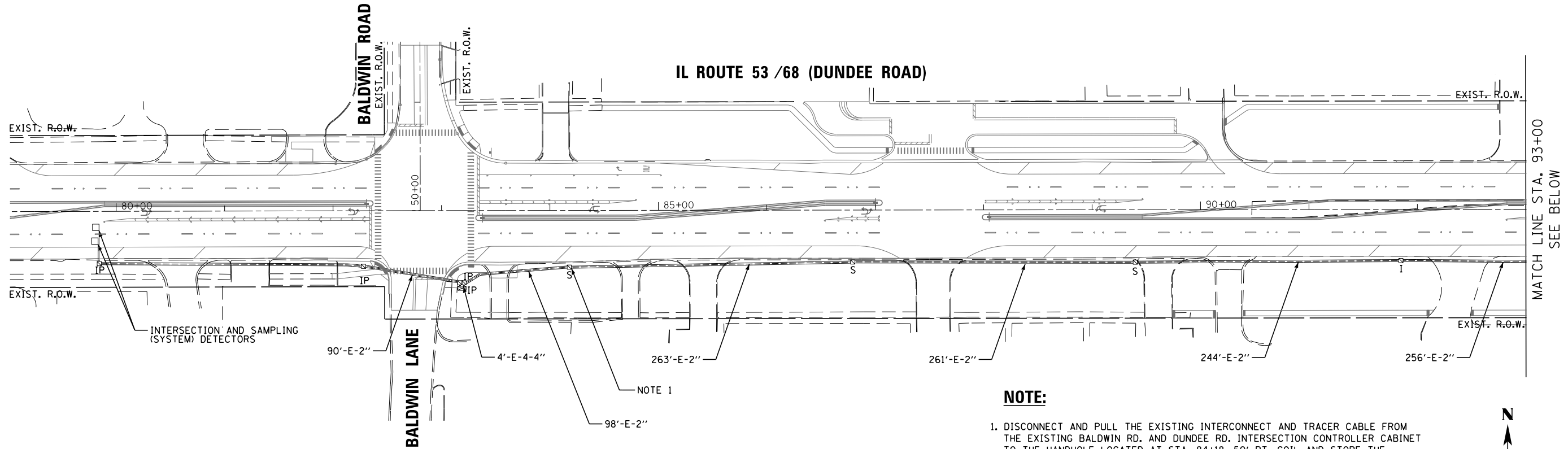


TS SHT NO. 33

ECON 164

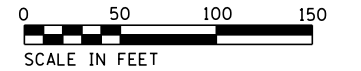
| | | | | | | | | | | | |
|---|----------------------|------------------|-----------|---|--|---------------------------|----------|---------|--------------|-----------|--|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PROPOSED INTERCONNECT PLAN IL ROUTE 53 /68 (DUNDEE ROAD) AT US ROUTE 12 (RAND ROAD) | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| D162A26-sht-33-Proposed Interconnect Plan | | DRAWN - E.C. | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 138 | |
| \$MODELNAME\$ | | CHECKED - V.P. | REVISED - | | | CONTRACT NO. 62A26 | | | | | |
| | | DATE - 4/29/2019 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |
| | | | | | SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. | TO STA. | | | |

IL ROUTE 53 /68 (DUNDEE ROAD)

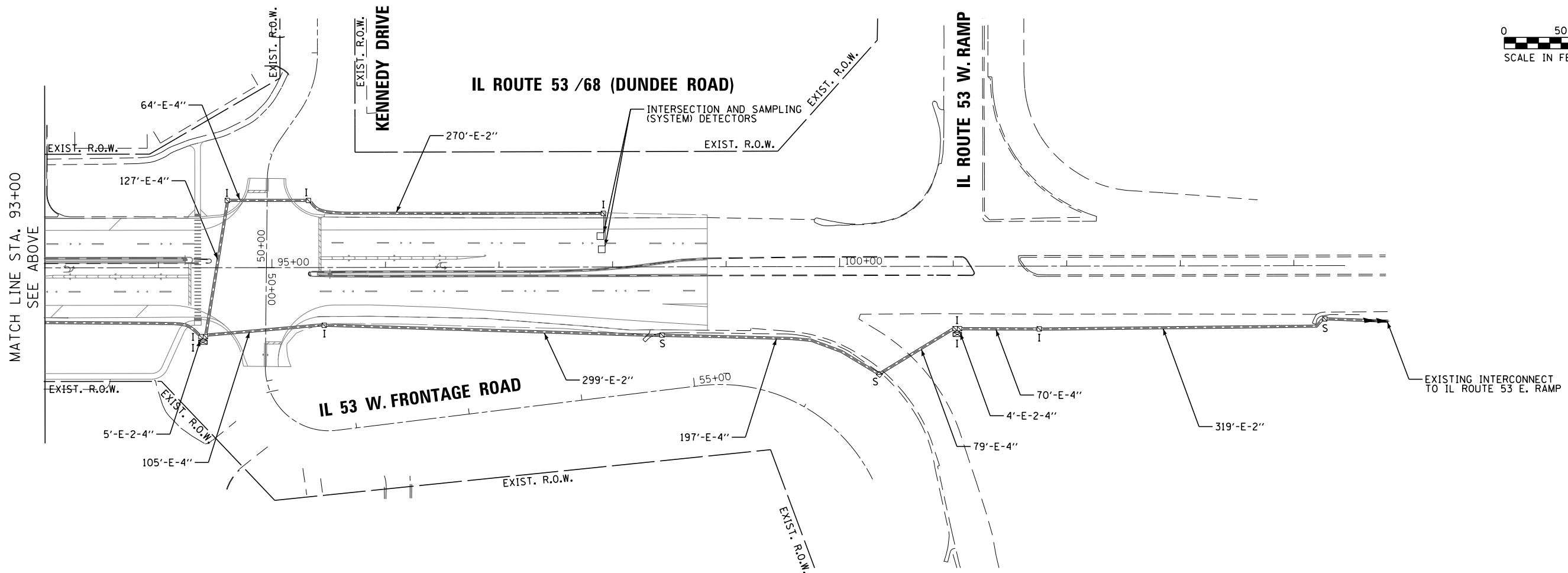


NOTE:

1. DISCONNECT AND PULL THE EXISTING INTERCONNECT AND TRACER CABLE FROM THE EXISTING BALDWIN RD. AND DUNDEE RD. INTERSECTION CONTROLLER CABINET TO THE HANDHOLE LOCATED AT STA. 84+18, 50' RT. COIL AND STORE THE INTERCONNECT AND TRACER CABLES IN THE HANDHOLE. REINSTALL THE INTERCONNECT CABLE AND THE TRACER CABLE TO THE CONTROLLER CABINET WHEN THE CONTROLLER CABINET AND CONDUIT HAVE BEEN INSTALLED.



IL ROUTE 53 /68 (DUNDEE ROAD)



MATCH LINE STA. 93+00
SEE ABOVE

MATCH LINE STA. 93+00
SEE BELOW

TS SHT NO. 34

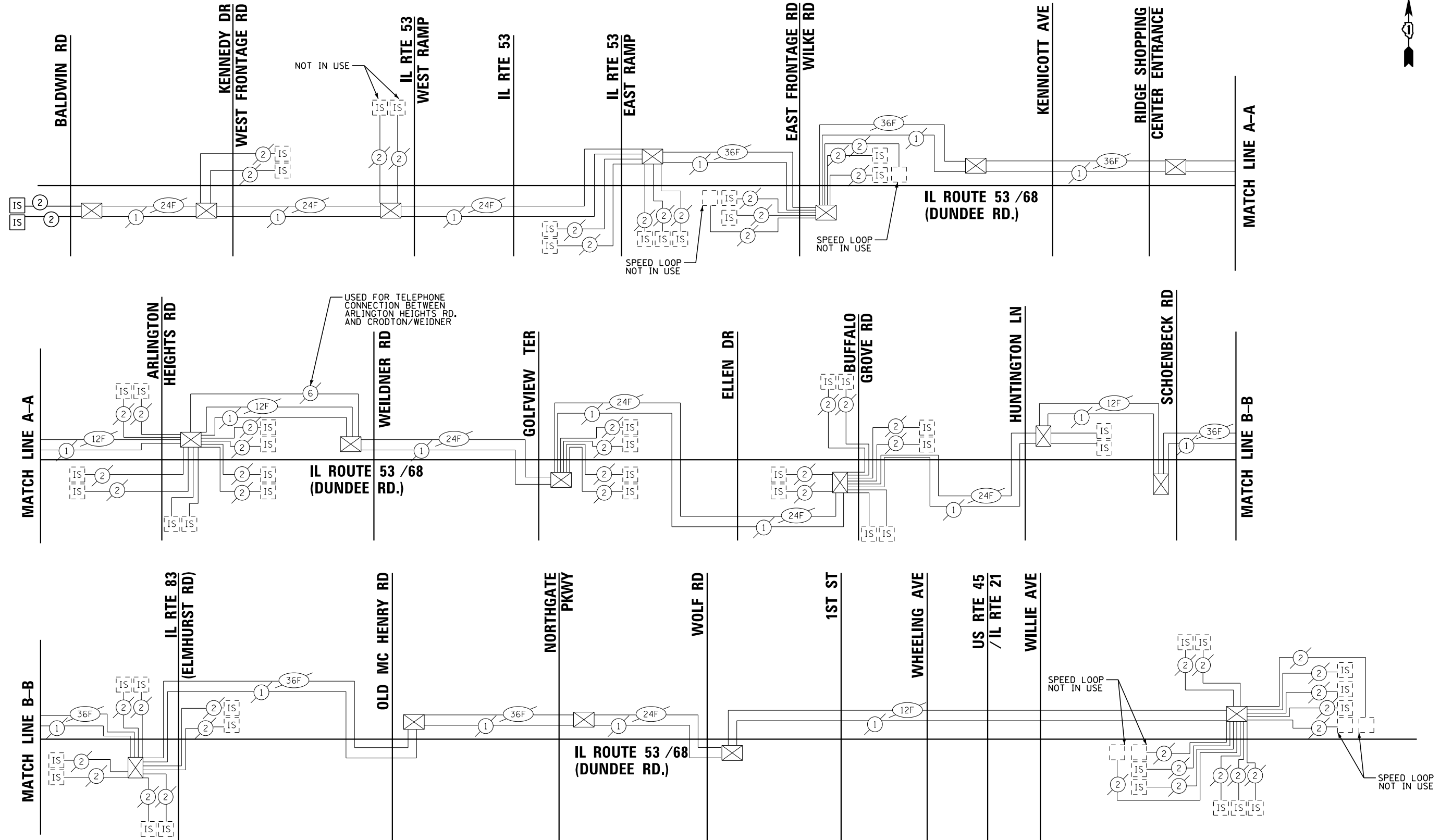
| | | | |
|---|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D162A26-sht-34-Proposed Interconnect Plan 2 | | DRAWN - E.C. | REVISED - |
| #MODELNAME# | PLOT SCALE = 99.99980001.000000 | CHECKED - V.P. | REVISED - |
| | PLOT DATE = 29-APR-2019 13:38 | DATE - 4/29/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
IL ROUTE 53 /68 (DUNDEE ROAD) FROM BALDWIN ROAD TO IL ROUTE 53**
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 139 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

ECON 1



NOTE:
SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN
DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.

TS SHT NO. 35

| | | | |
|--|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvida | DESIGNED - V.O. | REVISED - |
| D162A26-sht-35-Interconnect Schematics | | DRAWN - E.C. | REVISED - |
| | PLOT SCALE = 99.99980001.000000 | CHECKED - V.P. | REVISED - |
| *MODELNAME* | PLOT DATE = 29-APR-2019 13:38 | DATE - 4/29/2019 | REVISED - |

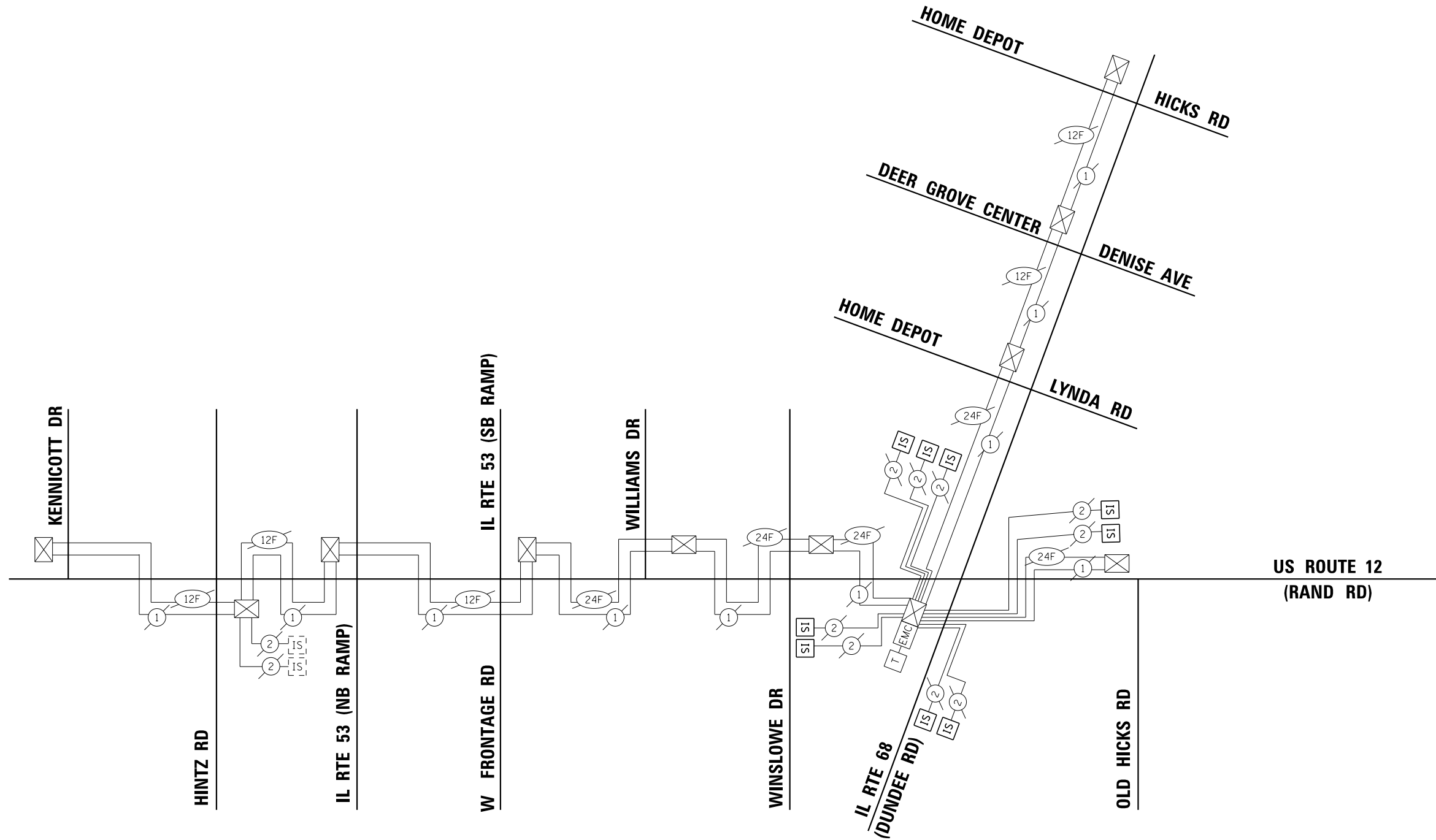
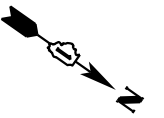
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC
IL ROUTE 53 /68 (DUNDEE RD.)
FROM BALDWIN RD TO US RTE 45/IL RTE 21 (MILWAUKEE AVE)

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

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 140 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

ECON 1



SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|---|-------|------------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 611 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 4 |
| DRILL EXISTING HANDHOLE | EACH | 1 |
| REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 4,204 |
| * ROD AND CLEAN EXISTING CONDUIT | FOOT | 200 |
| CONDUIT SPLICE | EACH | 2 |

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

NOTE:

SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS FOR TRAFFIC SIGNAL PLAN LEGEND.

TS SHT NO. 36

| | | | |
|---|---------------------------------|------------------|-----------|
| FILE NAME = | USER NAME = mgarvido | DESIGNED - V.O. | REVISED - |
| D:\62A26-sht-36-Interconnect Schematics | | DRAWN - E.C. | REVISED - |
| *MODELNAME* | PLOT SCALE = 99.99980001.000000 | CHECKED - V.P. | REVISED - |
| | PLOT DATE = 29-APR-2019 13:38 | DATE - 4/29/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
US RTE 12 (RAND RD) FROM KENNICOTT DR TO OLD HICKS RD
IL RTE 68 (DUNDEE RD) FROM RAND RD TO HICKS RD**

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

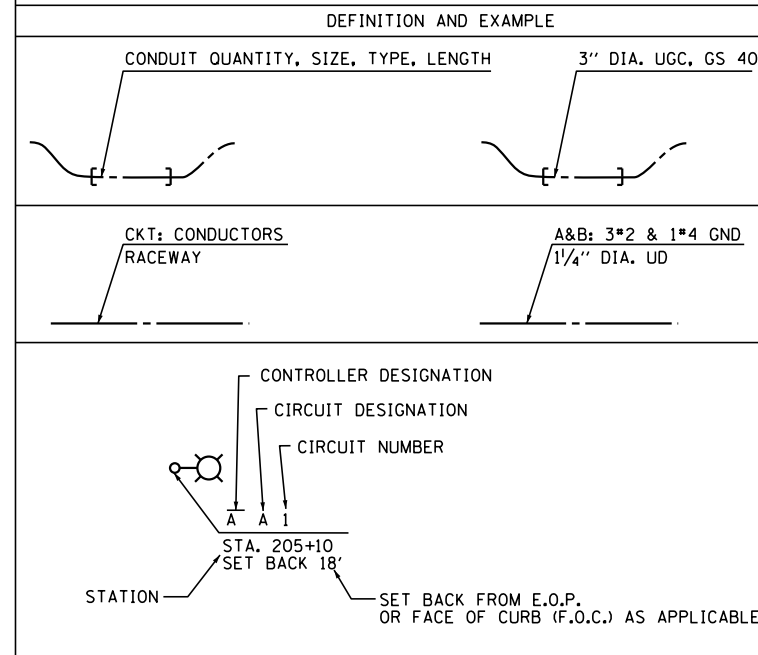
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|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 141 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

ECON 164

LIGHTING AND ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED |
| | EXISTING LIGHTING UNIT TO REMAIN IN PLACE |
| | EXISTING COMBINATION TRAFFIC SIGNAL AND LUMINAIRE LIGHTING UNIT, TO BE REINSTALLED AS NOTED |
| | LIGHTING UNIT, TO BE REINSTALLED AS NOTED, MOUNTED ON BREAKAWAY TRANSFORMER BASE |
| | EXISTING LIGHTING CONTROLLER |
| | EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED |
| | EXISTING ELECTRIC UTILITY POLE |
| | EXISTING UNDERGROUND UNIT DUCT TO BE ABANDONED |
| | EXISTING UNDERGROUND UNIT DUCT TO REMAIN |
| | EXISTING UNDERGROUND CONDUIT |
| | PROPOSED UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED |
| | PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED |
| | TEMPORARY LIGHTING UNIT: 60FT WOOD POLE, 15FT MAST ARM, 400W HPS TYPE III LUMINAIRE AT 50FT MOUNTING HEIGHT |
| | TEMPORARY WOOD POLE 60FT, CLASS 4 |
| | TEMPORARY AERIAL CABLE, 3-1/4 NO. 2 WITH MESSENGER WIRE |

CALL-OUT SAMPLE



ABBREVIATIONS

| ABBREVIATION | DESCRIPTION |
|--------------|---|
| AC | ALTERNATING CURRENT |
| B.O.C. | BACK OF CURB |
| CB | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| CM | CENTIMETER |
| CP | CONTROL PANEL |
| CT | CURRENT TRANSFORMER |
| DA | DAVIT ARM |
| DC | DIRECT CURRENT |
| DIA | DIAMETER |
| DP | DISTRIBUTION PANEL |
| E | EXISTING UNIT TO REMAIN |
| ECA | ELECTRIC CABLE ASSEMBLY |
| E.O.P. | EDGE OF TRAVEL PAVEMENT |
| FT | FEET OR FOOT |
| FU | FUSE |
| GND | GROUND |
| HID | HIGH INTENSITY DISCHARGE |
| JB | JUNCTION BOX |
| KVA | KILOVOLT-AMPERE |
| KW | KILOWATTS |
| M | METER |
| MA | MAST ARM |
| MC | MULTI-CONDUCTOR |
| MM | MILLIMETER |
| M.H. | MOUNTING HEIGHT |
| MW | MESSENGER WIRE |
| NO. # | NUMBER |
| N.T.S. | NOT TO SCALE |
| P | PROPOSED |
| PNL | PANEL |
| PVC | POLYVINYL CHLORIDE |
| PVCC | PVC COATED RIGID GALVANIZED CONDUIT |
| RGC | RIGID GALVANIZED CONDUIT |
| PT | POTENTIAL TRANSFORMER |
| R | EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.) |
| RR | EXISTING UNIT TO BE REMOVED AND REINSTALLED |
| RGC | RIGID GALVANIZED CONDUIT |
| SEL SW | SELECTOR SWITCH |
| SPARE | SPARE |
| SPACE | SPACE |
| SS | STAINLESS STEEL |
| STA | STATION |
| T/F | TOP OF FOUNDATION |
| UD | UNIT DUCT |
| U.N.O. | UNLESS NOTED OTHERWISE |
| UGC, GS | UNDERGROUND CONDUIT, GALVANIZED STEEL |
| XFMR | TRANSFORMER |
| HPS | HIGH PRESSURE SODIUM |
| LPS | LOW PRESSURE SODIUM |
| LTFM | LIQUID TIGHT FLEXIBLE METALLIC |
| W/MW | WITH MESSENGER WIRE |

GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. THE MAINTENANCE OF LIGHTING SYSTEM PAY ITEM SHALL INCLUDE MAINTENANCE OF IDOT LIGHTING SYSTEM WITHIN THE PROJECT LIMITS.

INDEX OF DRAWINGS:

| DRAWING NO. | TITLE |
|--------------|---|
| E-1 | LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS |
| E-2 | SCHEDULE OF QUANTITIES |
| E-3 | EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS |
| E-4 | EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS |
| E-5 | BLANK SHEET |
| E-6 | PROPOSED LIGHTING PLANS |
| E-7 | PROPOSED LIGHTING PLANS |
| E-8 | BLANK SHEET |
| E-9 TO E-10 | LIGHTING DETAILS |
| E-11 TO E-15 | IDOT D1 STANDARDS |

IDOT-D1 STANDARDS:

| STANDARD NO. | TITLE |
|--------------|---|
| BE-305 | LIGHT POLE FOUNDATION, METAL |
| BE-400 | LIGHT POLE, ALUMINUM, TRUSS TYPE, 47.5 FT. M.H. |
| BE-702 | MISC. ELECTRICAL DETAILS SHEET A |
| BE-800 | TEMPORARY LIGHT POLE DETAILS |
| BE-801 | TEMPORARY AERIAL CABLE INSTALLATION |

SINGH & ASSOCIATES, INC.
RASHESHKUMAR D. PATEL
062-064617
EXP. DATE: 11/30/2017

R.D. Patel
SIGNATURE AND SEAL APPLY TO SHEETS 142-156

| | | | |
|-------------------------------------|----------------------|------------------|-----------|
| FILE NAME = D162A26-sht-light-01 | USER NAME = mgarvido | DESIGNED - J.B.H | REVISED - |
| | | DRAWN - J.B.B.A | REVISED - |
| | | CHECKED - R.D.P | REVISED - |
| | | DATE - 2/8/2019 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

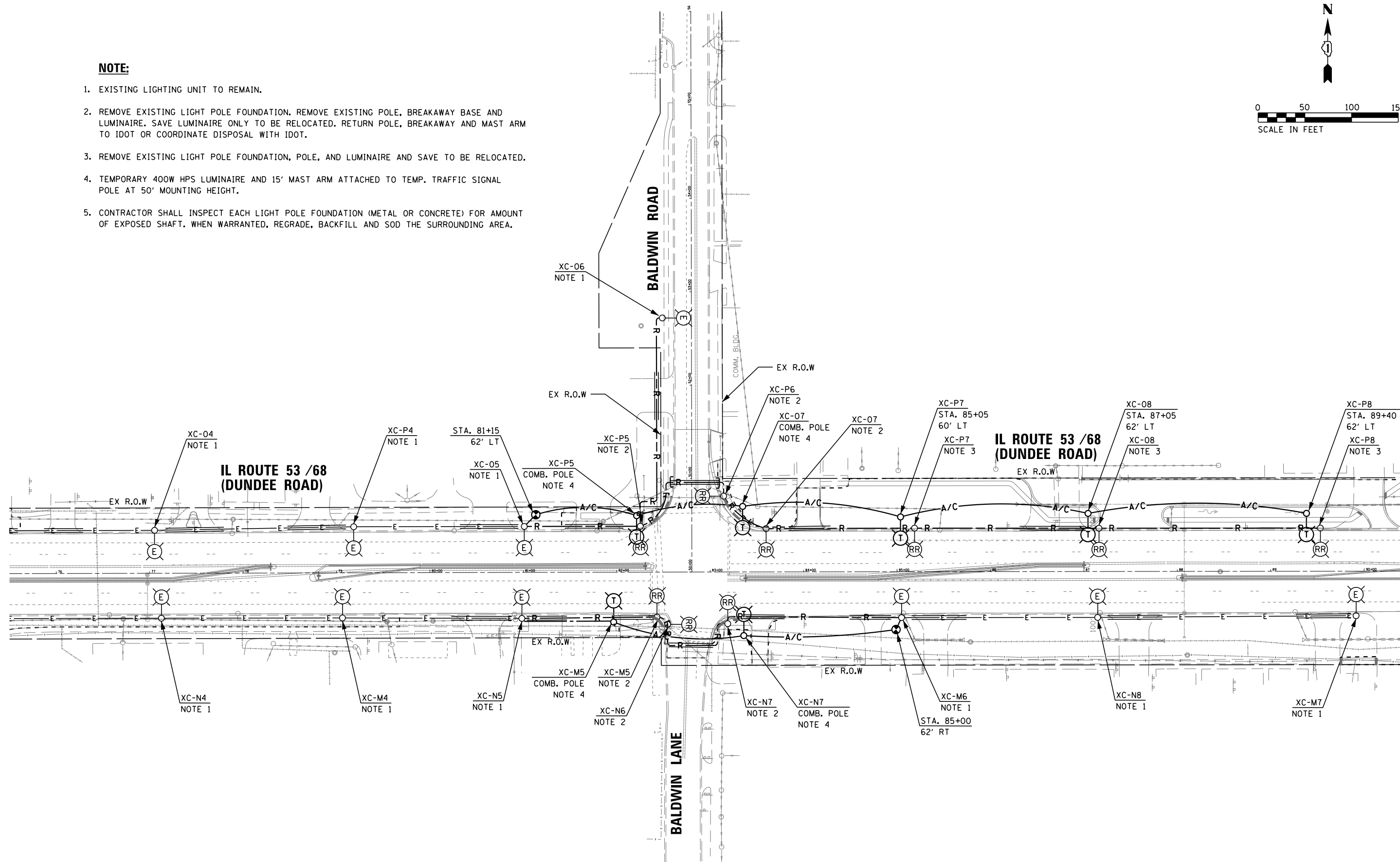
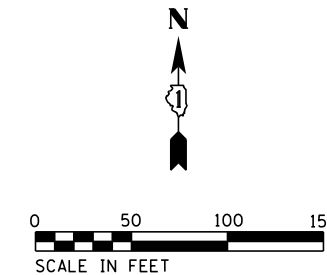
LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 142 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTE:

1. EXISTING LIGHTING UNIT TO REMAIN.
2. REMOVE EXISTING LIGHT POLE FOUNDATION. REMOVE EXISTING POLE, BREAKAWAY BASE AND LUMINAIRE. SAVE LUMINAIRE ONLY TO BE RELOCATED. RETURN POLE, BREAKAWAY AND MAST ARM TO IDOT OR COORDINATE DISPOSAL WITH IDOT.
3. REMOVE EXISTING LIGHT POLE FOUNDATION, POLE, AND LUMINAIRE AND SAVE TO BE RELOCATED.
4. TEMPORARY 400W HPS LUMINAIRE AND 15' MAST ARM ATTACHED TO TEMP. TRAFFIC SIGNAL POLE AT 50' MOUNTING HEIGHT.
5. CONTRACTOR SHALL INSPECT EACH LIGHT POLE FOUNDATION (METAL OR CONCRETE) FOR AMOUNT OF EXPOSED SHAFT. WHEN WARRANTED, REGRADE, BACKFILL AND SOD THE SURROUNDING AREA.



| | | | | | | | | | | | | |
|-------------------------------------|---------------------------------|------------------|-----------|---|---|---------------------------|---------------------|----------------|------------------------|---------------------|--|--|
| FILE NAME = D162A26-sht-light-04 | USER NAME = mgarvido | DESIGNED - J.B.H | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS | F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 145 | | |
| *MODELNAME* | PLOT SCALE = 99.99998001:000000 | CHECKED - R.D.P | REVISED - | | | SCALE: AS NOTED | SHEET 2 OF 3 SHEETS | STA. | TO STA. | CONTRACT NO. 62A26 | | |
| | PLOT DATE = 13-FEB-2019 17:38 | DATE - 2/8/2019 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | | |

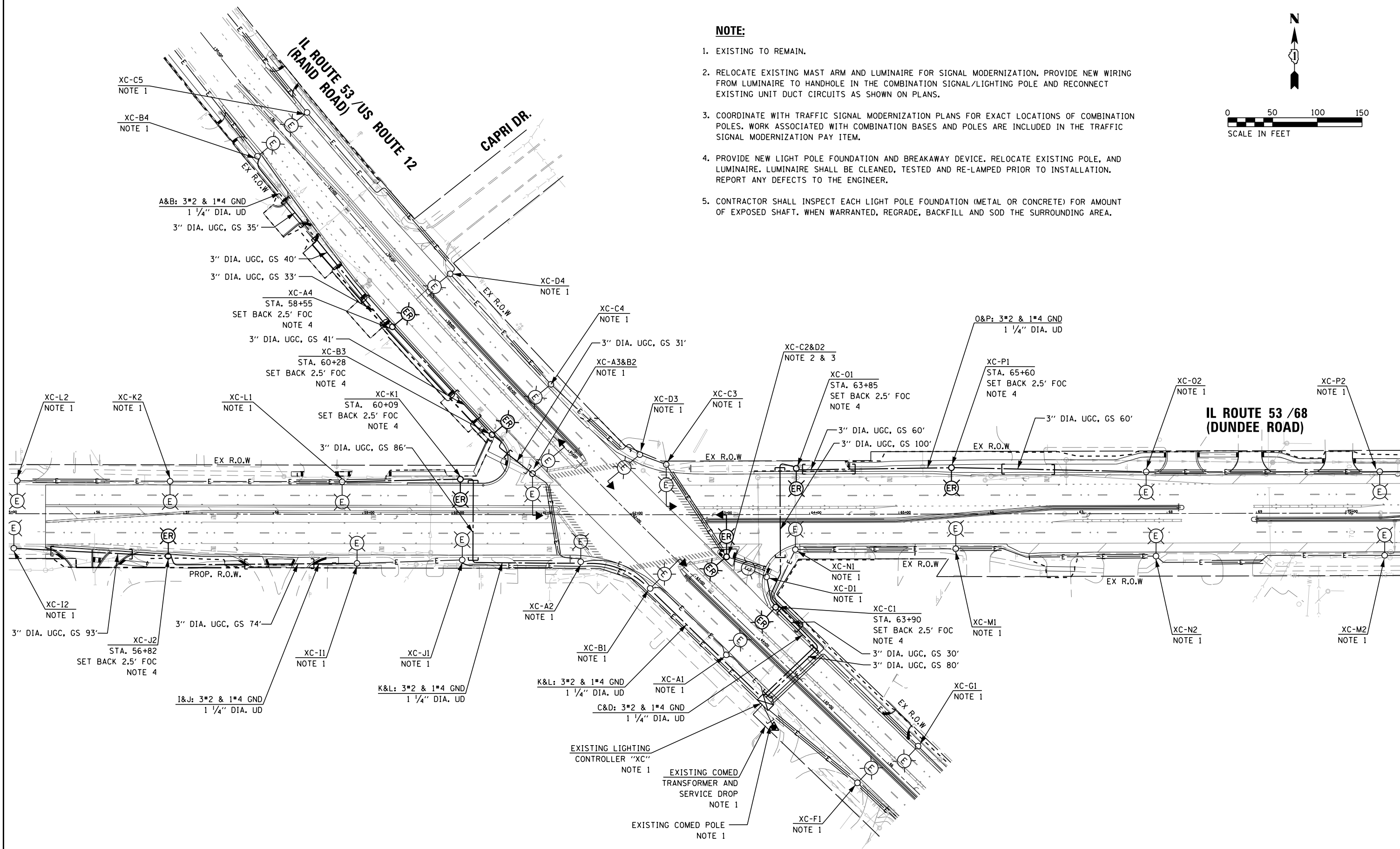
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| FILE NAME = D162A26-sht-light-05 | USER NAME = mgarvido | DESIGNED - J.B.H | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCALE: AS NOTED SHEET 3 OF 3 SHEETS STA. TO STA. | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| *MODELNAME* | PLOT DATE = 13-FEB-2019 17:38 | DRAWN - J.B.B.A | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 146 | |
| | | CHECKED - R.D.P | REVISED - | | | CONTRACT NO. 62A26 | | | | | |
| | | DATE - 2/8/2019 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |



NOTE:

- EXISTING TO REMAIN.
- RELOCATE EXISTING MAST ARM AND LUMINAIRE FOR SIGNAL MODERNIZATION. PROVIDE NEW WIRING FROM LUMINAIRE TO HANDHOLE IN THE COMBINATION SIGNAL/LIGHTING POLE AND RECONNECT EXISTING UNIT DUCT CIRCUITS AS SHOWN ON PLANS.
- COORDINATE WITH TRAFFIC SIGNAL MODERNIZATION PLANS FOR EXACT LOCATIONS OF COMBINATION POLES. WORK ASSOCIATED WITH COMBINATION BASES AND POLES ARE INCLUDED IN THE TRAFFIC SIGNAL MODERNIZATION PAY ITEM.
- PROVIDE NEW LIGHT POLE FOUNDATION AND BREAKAWAY DEVICE. RELOCATE EXISTING POLE, AND LUMINAIRE. LUMINAIRE SHALL BE CLEANED, TESTED AND RE-LAMPED PRIOR TO INSTALLATION. REPORT ANY DEFECTS TO THE ENGINEER.
- CONTRACTOR SHALL INSPECT EACH LIGHT POLE FOUNDATION (METAL OR CONCRETE) FOR AMOUNT OF EXPOSED SHAFT. WHEN WARRANTED, REGRADE, BACKFILL AND SOD THE SURROUNDING AREA.



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLANS

SCALE: AS NOTED SHEET 1 OF 3 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|----------------|---------------------|------------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 147 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

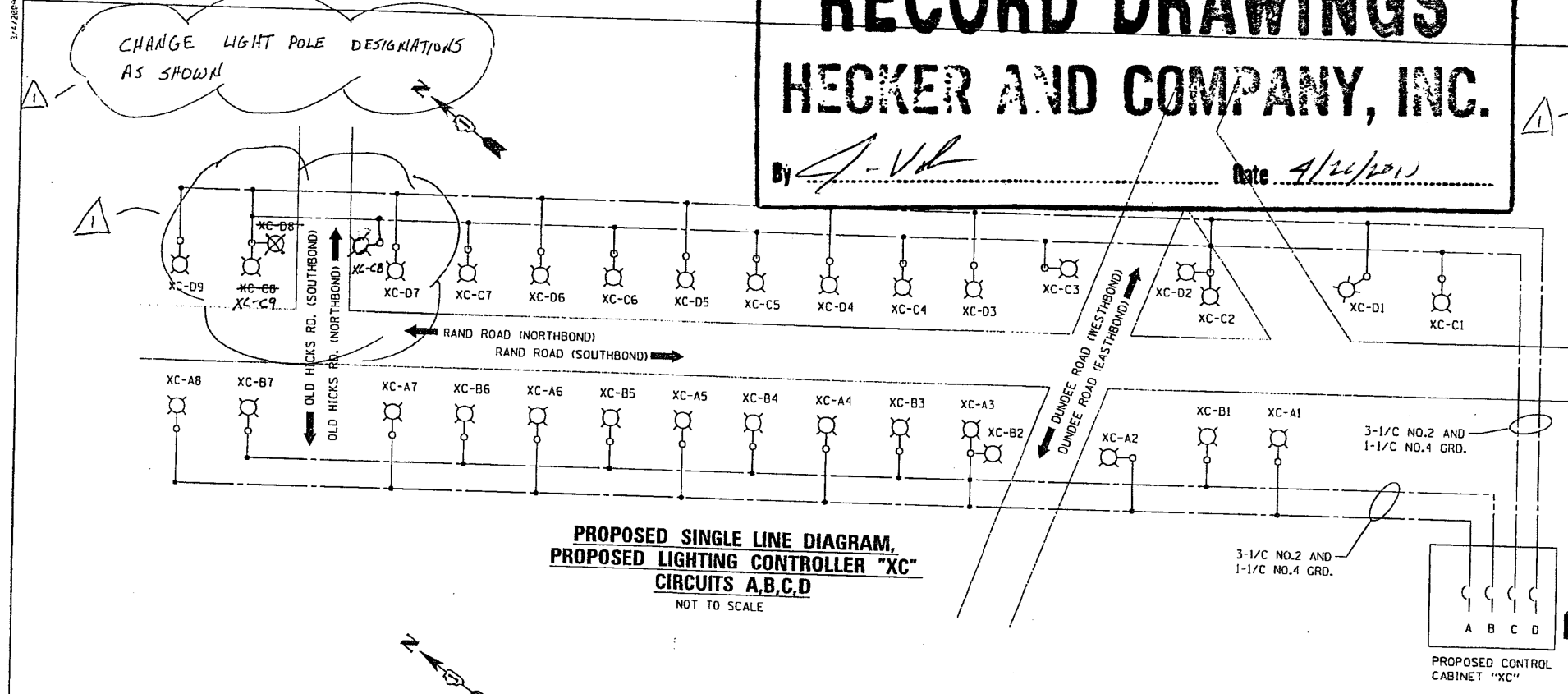
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|-------------------------------------|-------------------------------|------------------|-----------|---|--|---------------------------|----------|--------|--------------|-----------|--|
| FILE NAME = D162A26-sht-light-08 | USER NAME = mgarvido | DESIGNED - J.B.H | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SCALE: AS NOTED SHEET 3 OF 3 SHEETS STA. TO STA. | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| *MODELNAME* | PLOT DATE = 13-FEB-2019 17:38 | DRAWN - J.B.B.A | REVISED - | | | 343 | 3041-N-2 | COOK | 226 | 149 | |
| | | CHECKED - R.D.P | REVISED - | | | CONTRACT NO. 62A26 | | | | | |
| | | DATE - 2/8/2019 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |

RECORD DRAWINGS HECKER AND COMPANY, INC.

By *A. V. R.* Date *4/22/2019*

CHANGE LIGHT POLE DESIGNATIONS AS SHOWN



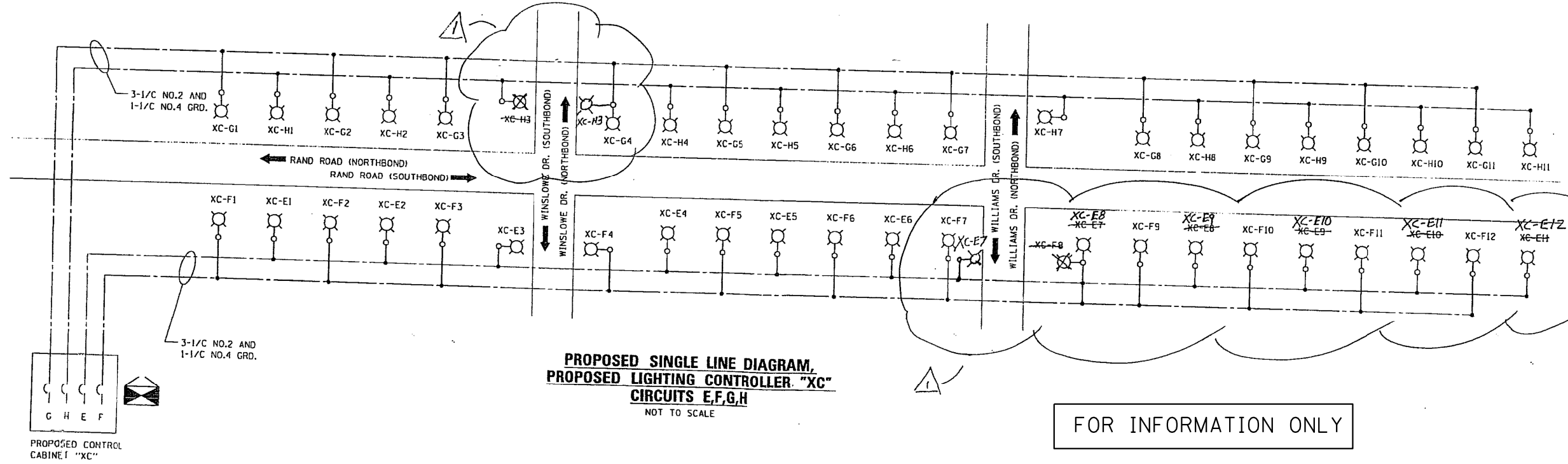
LOAD TABLE LIGHTING CONTROLLER "XC"

| CIRCUIT | BLACK PHASE | | CIRCUIT | RED PHASE | |
|---------|-------------|-------|---------|-----------|-------|
| | AMPS | WATTS | | AMPS | WATTS |
| A | 13.50 | 3240 | B | 11.81 | 2835 |
| C | 13.50 | 3240 | D | 15.19 | 3645 |
| E | 18.56 | 4455 | F | 20.25 | 4860 |
| G | 18.56 | 4455 | J | 8.44 | 2025 |
| I | 8.75 | 1620 | L | 8.44 | 2025 |
| K | 8.44 | 2025 | N | 11.81 | 2835 |
| M | 13.50 | 3240 | P | 13.50 | 3240 |
| O | 13.50 | 3240 | | | |
| TOTAL | 109.69 | 26326 | TOTAL | 108.00 | 25920 |

LEGEND

- 310 W. H.P.S. LUMINAIRE - PROPOSED
- LIGHTING CONTROLLER - PROPOSED

AMB W.
13.75 16
13.50 32



FOR INFORMATION ONLY

| | |
|------------------|---------------------|
| DESIGNED - HS | REVISION 5-18-09 MP |
| DRAWN - MJO | REVISION |
| CHECKED - CDS | REVISION |
| DATE - 1/22/2007 | REVISION |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
ONE LINE DIAGRAM
RAND ROAD

JACOBS

ONE NORTH FRANKLIN
CHICAGO IL, 60606
312-251-3000

| | | | | |
|--------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 334 | SECTION 2008-08-31 | COUNTY COOK | TOTAL SHEETS 81 | SHEET NO. 69 |
| CONTRACT NO. 60F87 | | | CONTRACT NO. 60F87 | |

FILE NAME = D162A26-sht-light-09
USER NAME = mgarvido

DESIGNED - J.B.H.
DRAWN - J.B.B.A.
CHECKED - R.D.P.
DATE - 2/8/2019

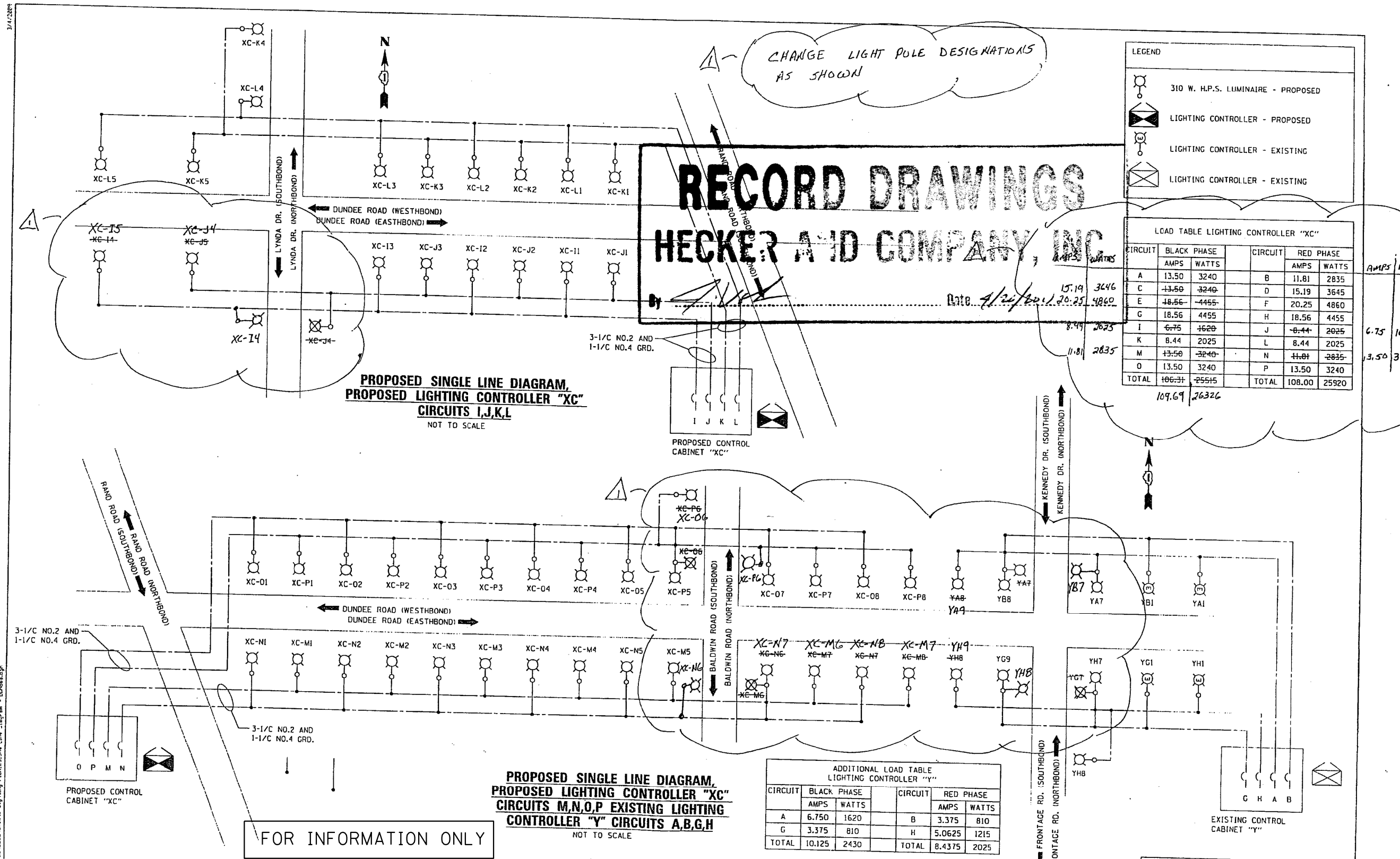
REVISION -
REVISION -
REVISION -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: AS NOTED SHEET 1 OF 2 SHEETS STA. TO STA.

| | | | | |
|--------------------|------------------|-------------|--------------------|---------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 150 |
| CONTRACT NO. 62A26 | | | CONTRACT NO. 62A26 | |



RECORD DRAWINGS
HECKER AND COMPANY, INC.
Date: 1/24/2019 10:25

CHANGE LIGHT POLE DESIGNATIONS AS SHOWN

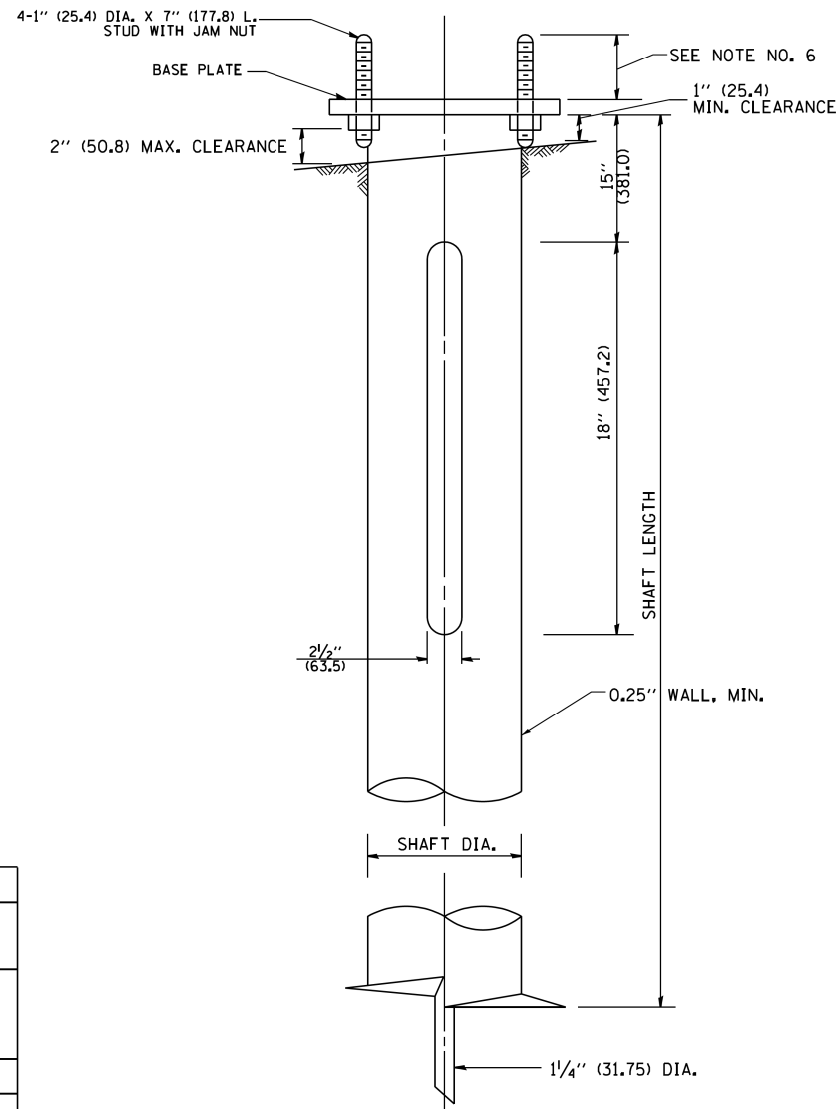
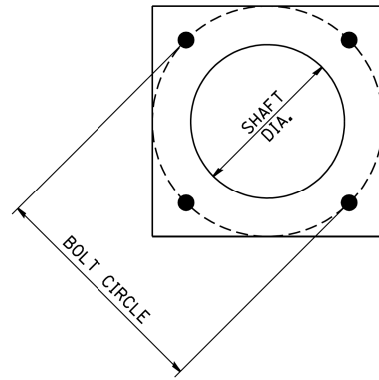
| | | | |
|--|---------------------|-----------------|----------------------|
| FILE NAME: D:\2019\11\27\2019\Lighting Plan\25.Dwg | USER NAME: mgarvids | DESIGNED: HS | REVISION: 5-18-19 MF |
| DRAWN: MJO | CHECKED: CDS | DATE: 1/22/2019 | |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN ONE LINE DIAGRAM DUNDEE ROAD

JACOBS ONE NORTH FRANKLIN CHICAGO IL 60606 312-251-3000

F.A.P. RTE. 334 SECTION 2008-08-31 COUNTY COOK TOTAL SHEETS 81 SHEET NO. 151 CONTRACT NO. 60F87



HELIX FOUNDATION SIZE

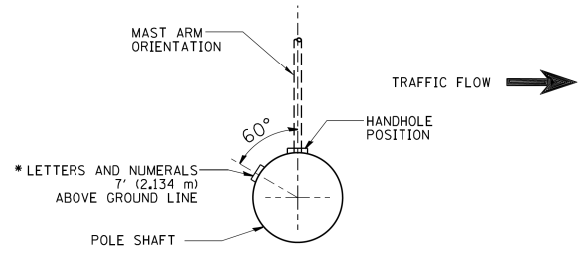
| POLE MOUNTING HEIGHT | BOLT CIRCLE | SHAFT DIAMETER | SHAFT LENGTH | BASEPLATE |
|----------------------|-------------|----------------|--------------|----------------|
| 30 FT. | 11 1/2" | 8 5/8" | 6 FT. | 12"x12"x1" |
| 31 FT.-35 FT. | 11 1/2" | 8 5/8" | 6 FT. | 12"x12"x1" |
| 36 FT.-40 FT. | 15" | 8 5/8" | 6 FT. | 15"x15"x1 1/4" |
| 41 FT.-45 FT. | 15" | 8 5/8" | 6 FT. | 15"x15"x1 1/4" |
| 46 FT.-50 FT. | 15" | 10" | 8 FT. | 15"x15"x1 1/4" |

METAL HELIX FOUNDATION MATERIALS

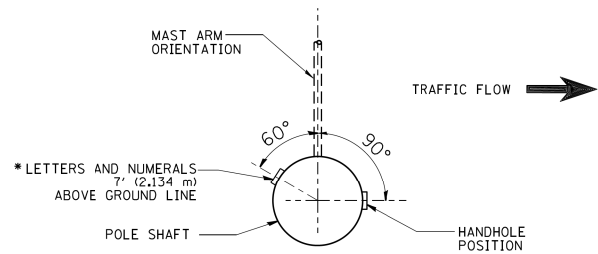
| ITEM | MATERIAL REQUIREMENT |
|-------------------|--|
| BASEPLATE | AASHTO M 270M, GRADE 36 (M270M, GRADE 250) |
| SHAFT | ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM) |
| HELIX SCREW | AASHTO M 183 (ASTM A 635) |
| PILOT POINT | AASHTO M 270 (ASTM A 575) |
| ANCHOR RODS/STUDS | 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) |

NOTES:

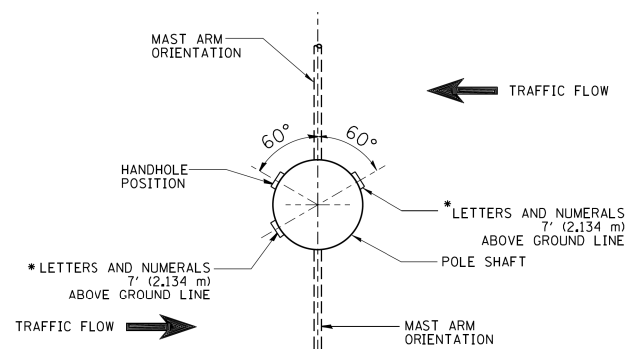
- ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- 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.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
- 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.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.



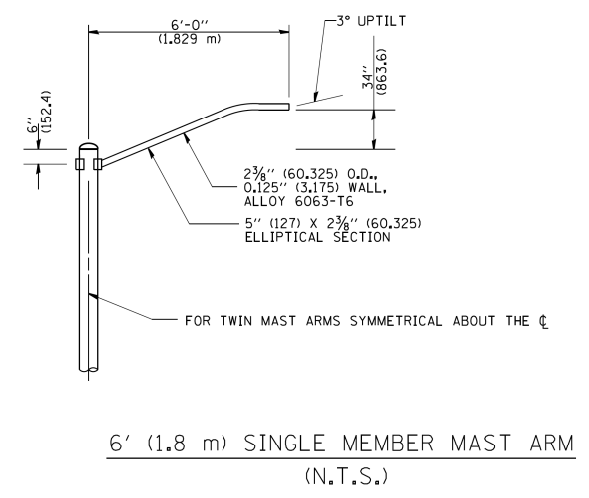
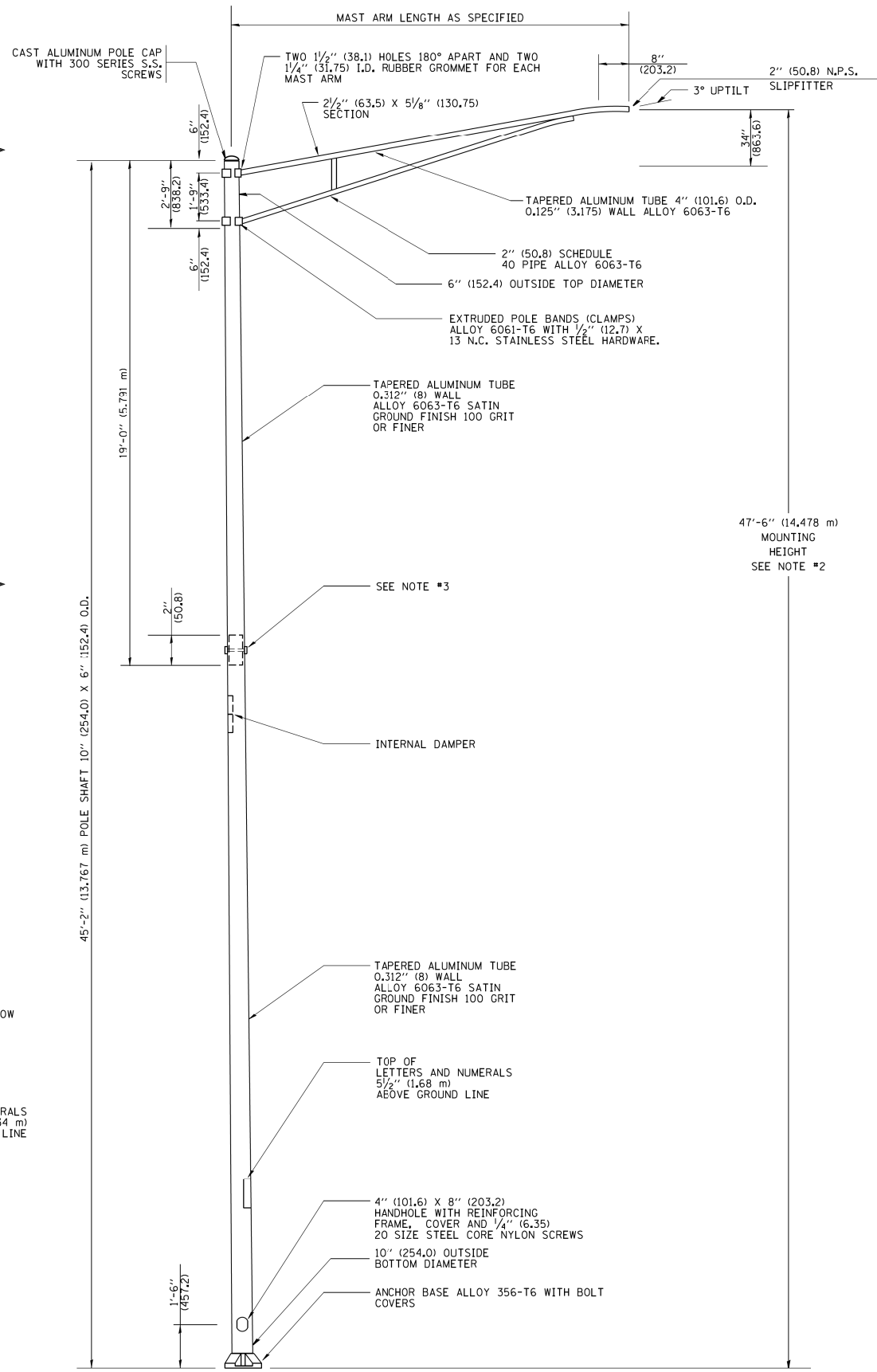
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

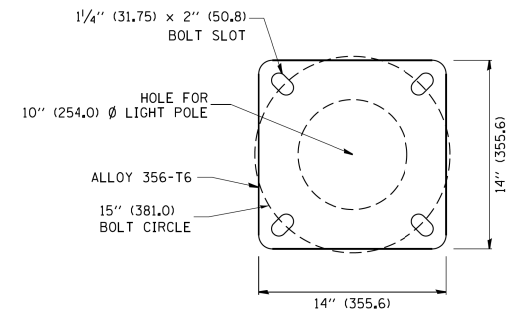


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

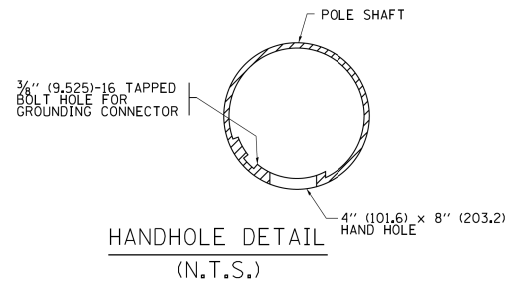


6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)

- 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.

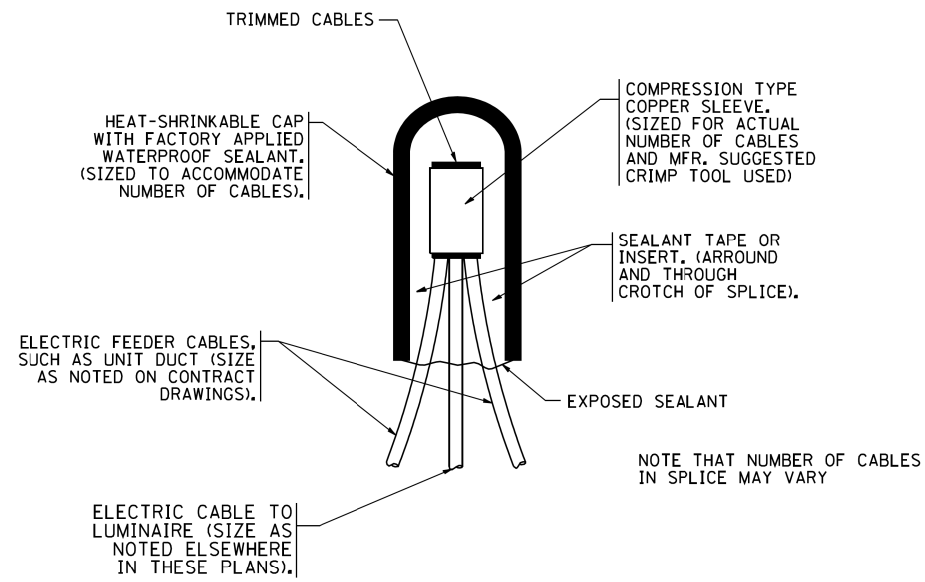


LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE



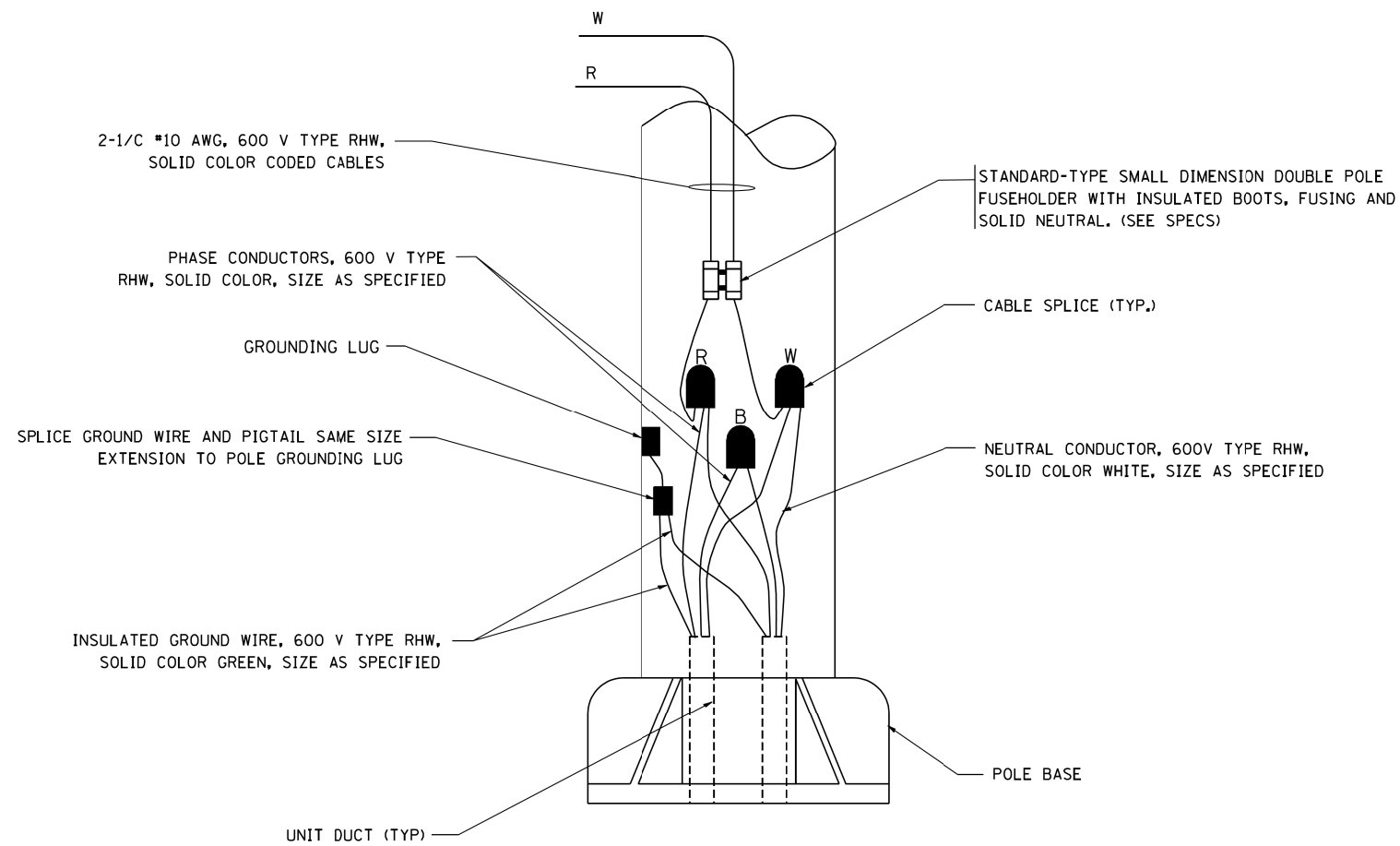
HANDHOLE DETAIL (N.T.S.)

| | | | | | | | | | | | | |
|--|-----------------------|------------|-------------------------------|---|--|-------------|------|---|----------|---------|--------------|-----------|
| FILE NAME = | USER NAME = drvakosgn | DESIGNED - | REVISED - R. TOMSONS 09-06-00 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ALUMINUM LIGHT POLE | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pw\work\p\wido\drvakosgn\d0108315\be00.dgn | | DRAWN - | REVISED - R. TOMSONS 09-03-03 | | 47'-6" (14.478 m) MOUNTING HEIGHT | | | 343 | 3041-N-2 | COOK | 226 | 153 |
| | | CHECKED - | REVISED - R. TOMSONS 01-18-13 | | BE-400 | | | CONTRACT NO. 62A26 | | | | |
| | | DATE - | REVISED - | | SCALE: NONE | | | FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT | | | | |
| | | | | | SCALE: NONE | SHEET NO. 1 | OF 1 | SHEETS | STA. | TO STA. | | |



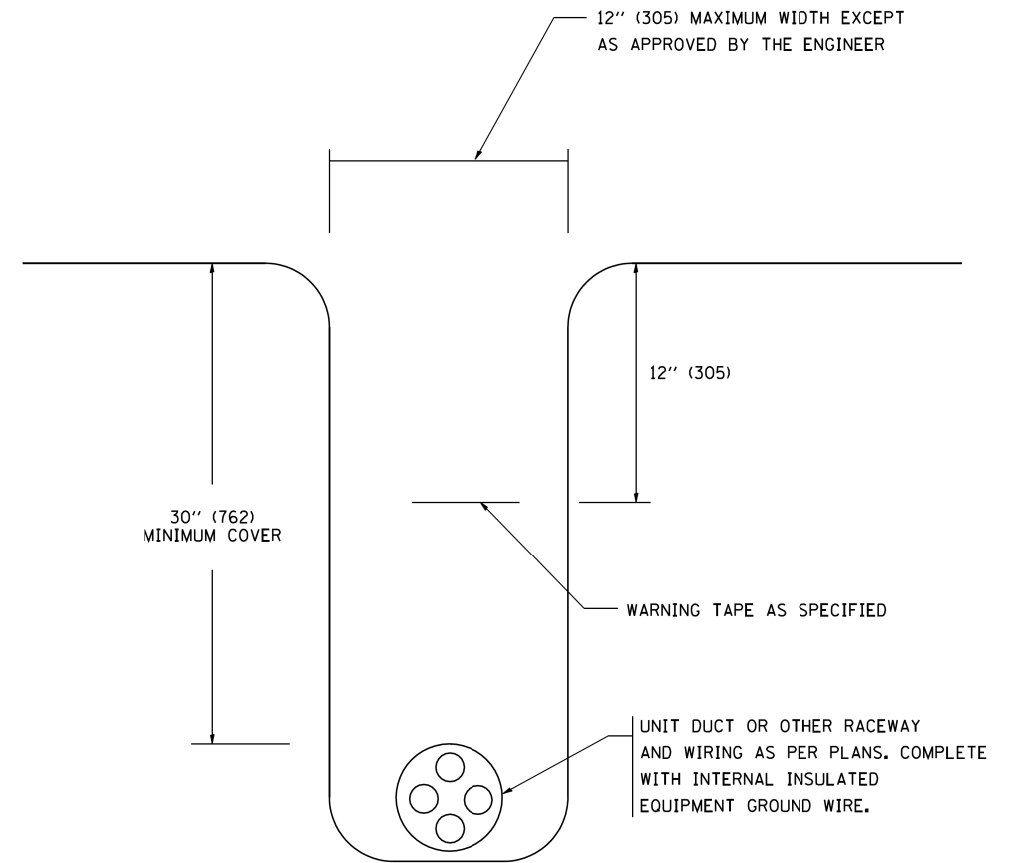
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

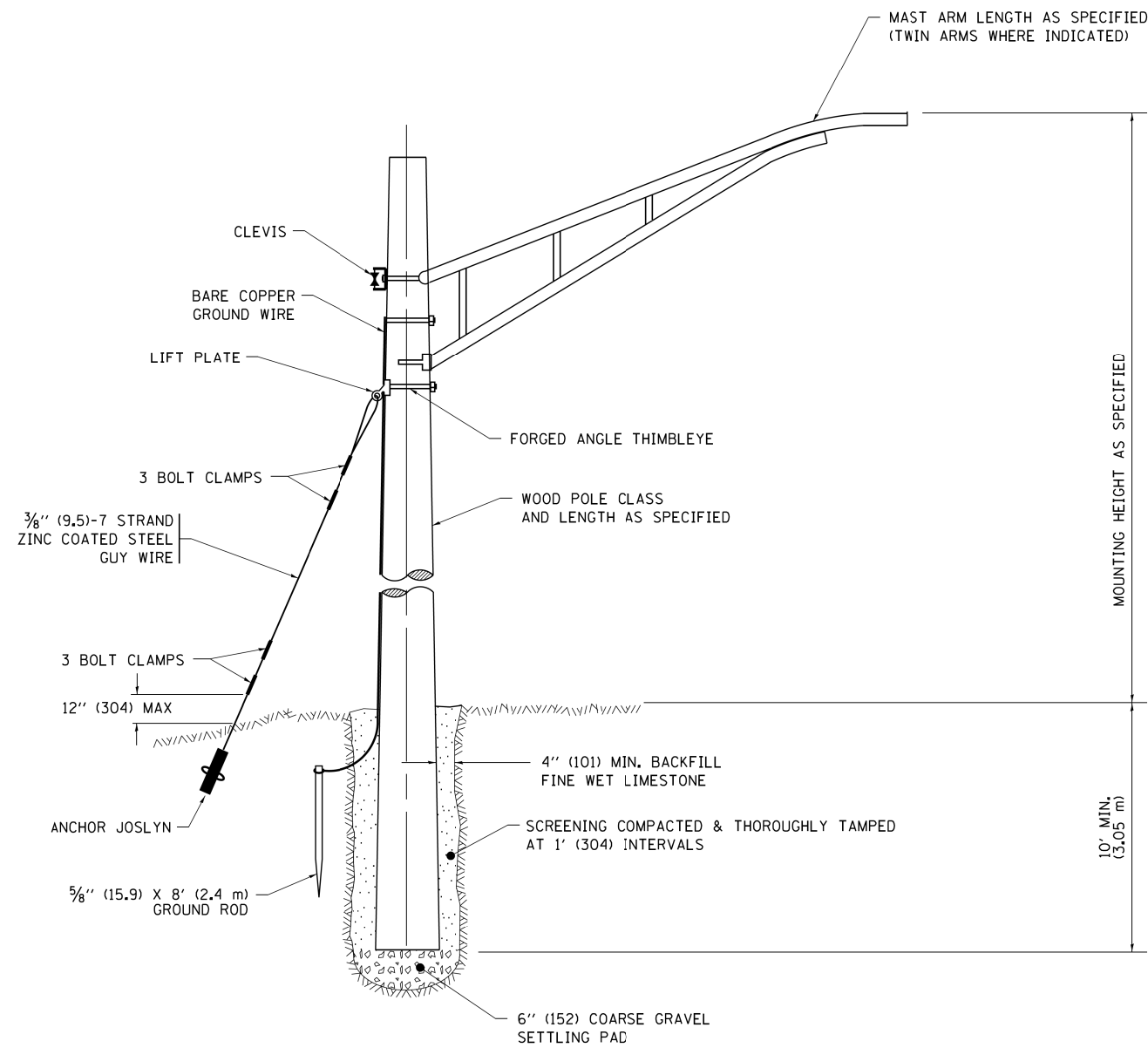
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|--|----------------------------|------------|--------------------|
| FILE NAME = W:\dststd\22x34\be702.dgn | USER NAME = gaglianob | DESIGNED - | REVISED - 08-08-03 |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 1/4/2008 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

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

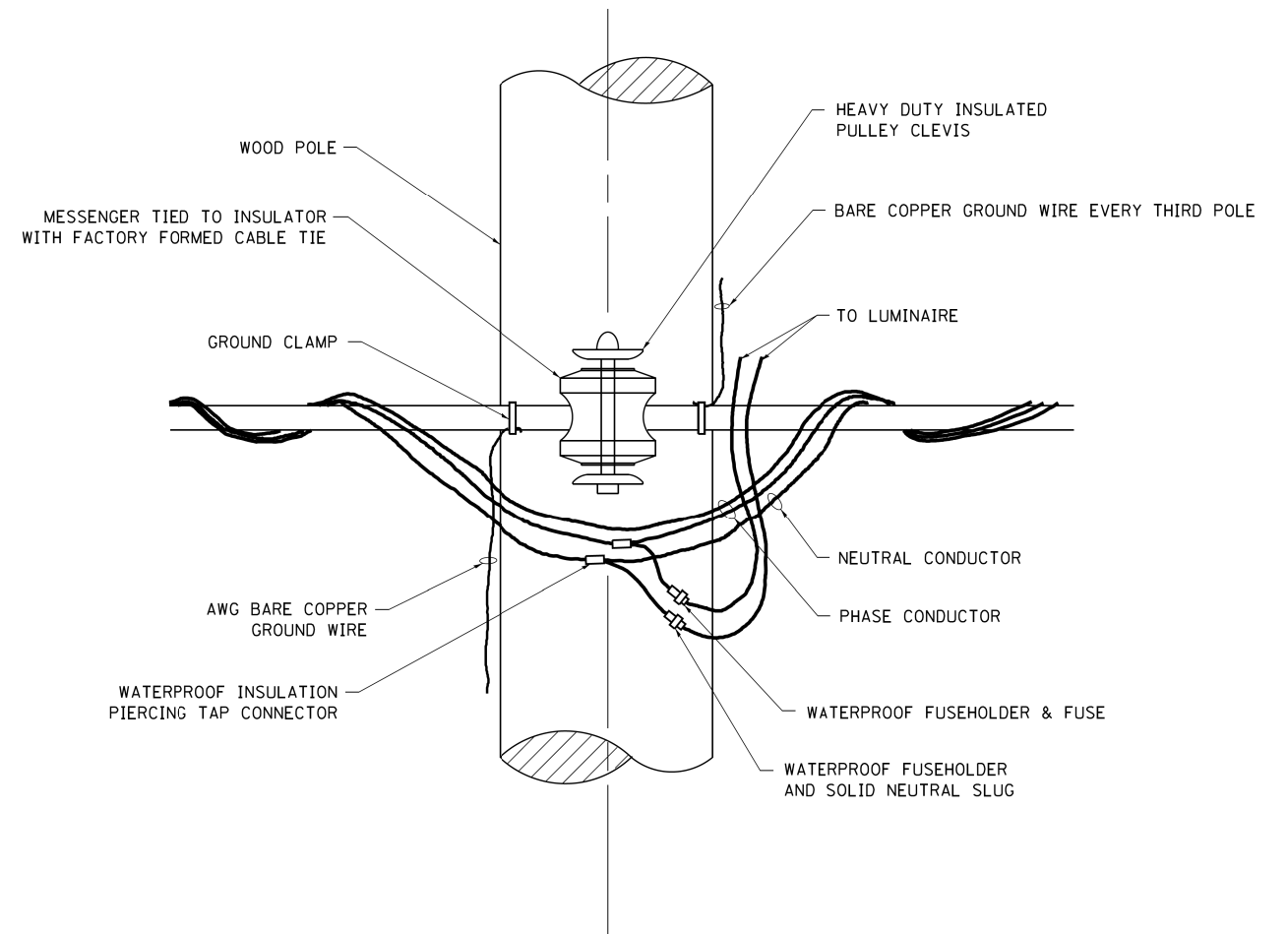
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|---|----------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 154 |
| BE-702 | | CONTRACT NO. 62A26 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



TEMPORARY LIGHT POLE DETAIL

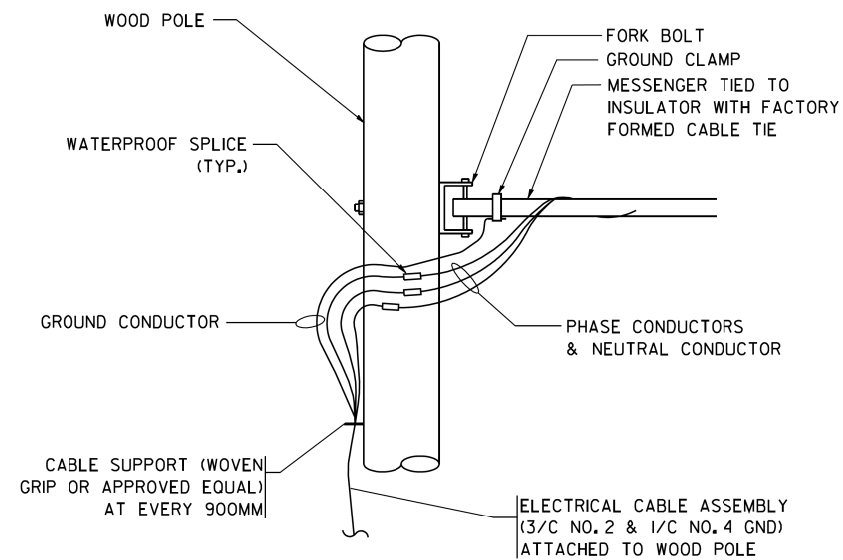
NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

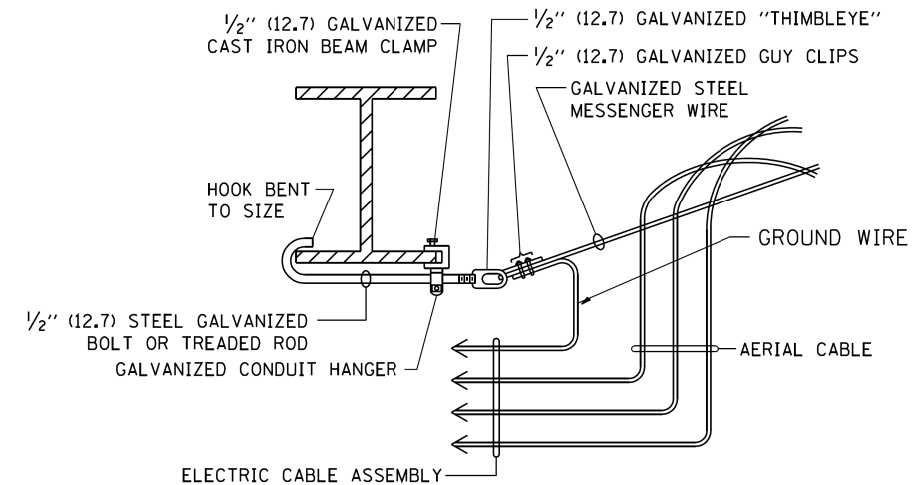


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

| | | | | | | | | | | | | |
|--|-----------------------------|-------------------------|--------------------|---|-------------------------------------|--------------|---------------------------|-------------|--------------------|--------|--------------|-----------|
| FILE NAME = p:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist | USER NAME = faotemj | DESIGNED - | REVISED - 08-08-03 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TEMPORARY LIGHT POLE DETAILS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN - | REVISED - R.T. 07-26-16 | 343 | | | | | 3041-N-2 | COOK | 226 | 155 | |
| Default | PLOT SCALE = 50.0000' / in. | CHECKED - | REVISED - | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | BE-800 | | CONTRACT NO. 62A26 | | | |
| | PLOT DATE = 9/1/2016 | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | | |



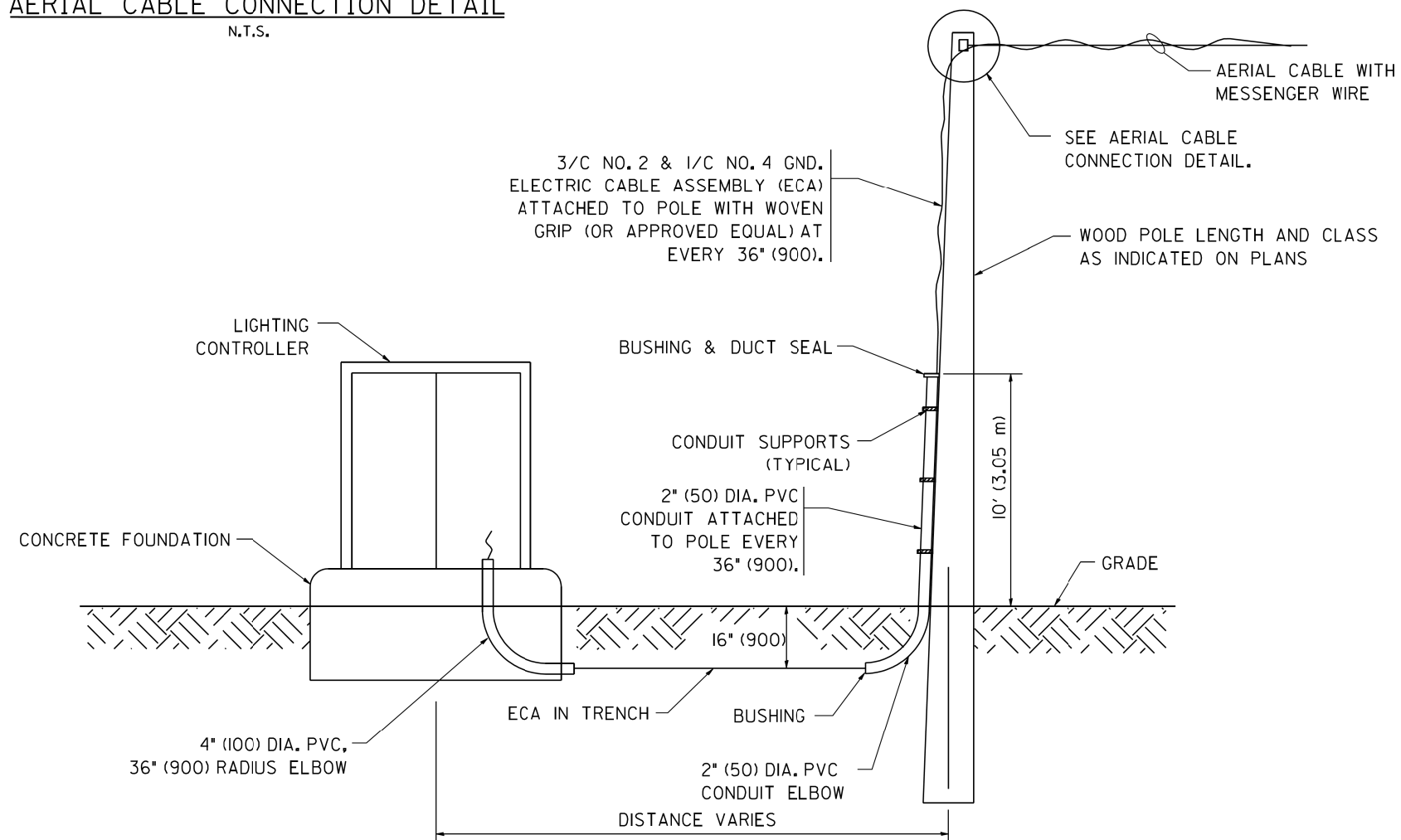
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

| | | | | | | | | | | | | |
|--|----------------------------|------------|--------------------|---|--|------|---------|---|----------|--------------------|--------------|-----------|
| FILE NAME = W:\dststd\22x34\be801.dgn | USER NAME = gaglianob | DESIGNED - | REVISED - 08-08-03 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TEMPORARY AERIAL CABLE INSTALLATION | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 50.000' / IN. | DRAWN - | REVISED - | | | | | 343 | 3041-N-2 | COOK | 226 | 156 |
| PLOT DATE = 1/4/2008 | DATE - | CHECKED - | REVISED - | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | BE-801 | | CONTRACT NO. 62A26 | | |
| | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



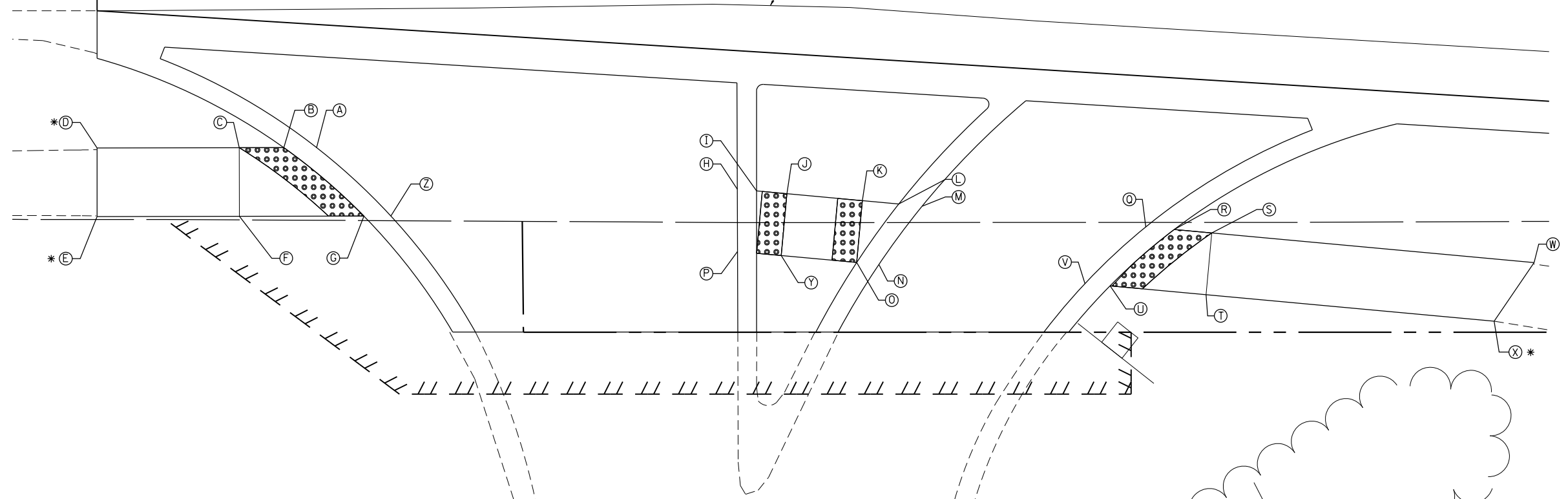
56

IL 68 (DUNDEE ROAD)

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 55+62.91 | 45.12' RT | 740.05 |
| B | 55+60.27 | 45.12' RT | 740.08 |
| C | 55+56.68 | 45.13' RT | 740.16 |
| D | 55+45.22 | 45.15' RT | 740.98 |
| E | 55+45.22 | 50.68' RT | 741.06 |
| F | 55+56.69 | 50.66' RT | 740.15 |
| G | 55+66.73 | 50.64' RT | 739.91 |
| H | 55+96.85 | 48.48' RT | 740.22 |
| I | 55+98.40 | 48.62' RT | 740.24 |
| J | 56+00.85 | 48.85' RT | 740.15 |
| K | 56+06.93 | 49.41' RT | 739.77 |
| L | 56+09.86 | 49.86' RT | 739.72 |
| M | 56+11.75 | 49.85' RT | 739.70 |
| N | 56+08.26 | 54.55' RT | 739.67 |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| O | 56+06.47 | 54.38' RT | 739.70 |
| P | 55+96.86 | 53.50' RT | 740.14 |
| Q | 56+29.79 | 51.51' RT | 739.59 |
| R | 56+32.08 | 51.72' RT | 739.62 |
| S | 56+35.11 | 52.00' RT | 739.71 |
| T | 56+34.65 | 56.98' RT | 739.80 |
| U | 56+26.90 | 56.27' RT | 739.60 |
| V | 56+24.89 | 56.08' RT | 739.59 |
| W | 56+61.10 | 54.40' RT | 740.37 |
| X | 56+57.88 | 59.12' RT | 740.39 |
| Y | 56+00.39 | 53.82' RT | 740.17 |
| Z | 55+68.91 | 50.64' RT | 739.88 |

EDGE OF RESURFACING LIMITS



* MATCH EXISTING



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 1 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 157 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

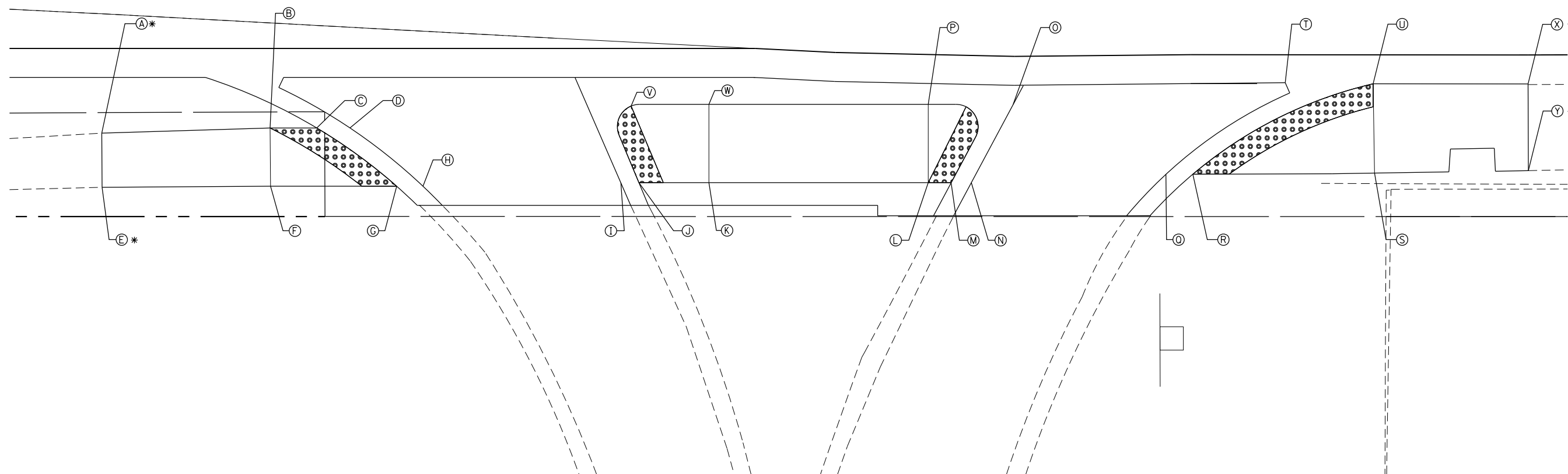


58

IL 68 (DUNDEE ROAD)

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 57+45.78 | 52.55' RT | 738.37 |
| B | 57+60.81 | 52.09' RT | 738.27 |
| C | 57+64.98 | 52.09' RT | 738.21 |
| D | 57+67.94 | 52.09' RT | 738.19 |
| E | 57+45.81 | 57.40' RT | 738.45 |
| F | 57+60.84 | 57.30' RT | 738.33 |
| G | 57+72.12 | 57.30' RT | 738.09 |
| H | 57+74.47 | 57.30' RT | 738.07 |
| I | 57+92.14 | 56.98' RT | 738.00 |
| J | 57+93.75 | 56.98' RT | 738.01 |
| K | 58+00.00 | 56.98' RT | 738.28 |
| L | 58+19.59 | 56.98' RT | 737.75 |
| M | 58+21.64 | 56.98' RT | 737.72 |
| N | 58+23.43 | 56.98' RT | 737.69 |
| O | 58+27.18 | 49.98' RT | 737.54 |
| P | 58+19.59 | 49.98' RT | 737.66 |
| Q | 58+40.82 | 56.23' RT | 737.15 |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| R | 58+43.22 | 56.22' RT | 737.17 |
| S | 58+59.46 | 56.12' RT | 736.77 |
| T | 58+51.47 | 48.06' RT | 736.85 |
| U | 58+59.33 | 48.15' RT | 736.87 |
| V | 57+93.05 | 50.14' RT | 738.08 |
| W | 58+00.00 | 49.98' RT | 738.39 |
| X | 58+73.16 | 48.17' RT | 737.03 |
| Y | 58+73.19 | 55.90' RT | 736.97 |



* MATCH EXISTING



USER NAME = Guest_2
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2019

DESIGNED - RDT
 DRAWN - RDT
 CHECKED - MHL
 DATE - 10/01/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 2 OF 19 SHEETS STA. TO STA.

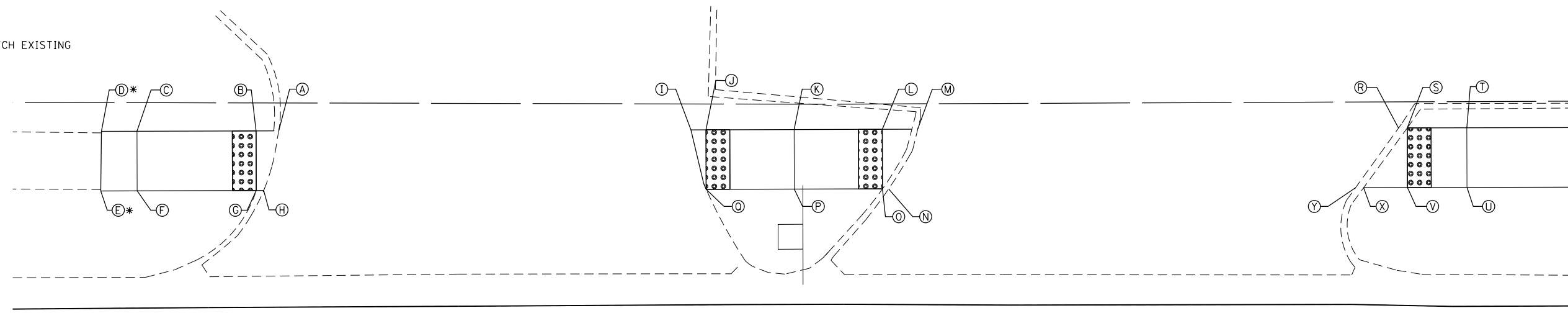
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 158 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 58+34.96 | 47.58' LT | 737.80 |
| B | 58+33.06 | 47.57' LT | 737.82 |
| C | 58+23.06 | 47.55' LT | 738.25 |
| D | 58+20.07 | 47.54' LT | 738.38 |
| E | 58+20.01 | 42.54' LT | 738.21 |
| F | 58+23.07 | 42.55' LT | 738.16 |
| G | 58+33.07 | 42.57' LT | 737.71 |
| H | 58+33.69 | 42.57' LT | 737.67 |
| I | 58+69.58 | 47.66' LT | 737.53 |
| J | 58+70.85 | 47.67' LT | 737.50 |
| K | 58+78.25 | 47.69' LT | 737.64 |
| L | 58+85.66 | 47.71' LT | 737.03 |
| M | 58+88.63 | 47.71' LT | 737.10 |
| N | 58+86.19 | 42.71' LT | 736.94 |
| O | 58+85.67 | 42.71' LT | 736.95 |
| P | 58+78.27 | 42.69' LT | 737.56 |
| Q | 58+70.87 | 42.67' LT | 737.42 |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| R | 59+29.02 | 47.82' LT | 736.62 |
| S | 59+29.76 | 47.82' LT | 736.62 |
| T | 59+34.76 | 47.83' LT | 736.67 |
| U | 59+34.77 | 42.83' LT | 736.60 |
| V | 59+29.77 | 42.82' LT | 736.54 |
| X | 59+26.07 | 42.81' LT | 736.50 |
| Y | 59+25.41 | 42.81' LT | 736.49 |



* MATCH EXISTING



IL 68 (DUNDEE ROAD)

59+00



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

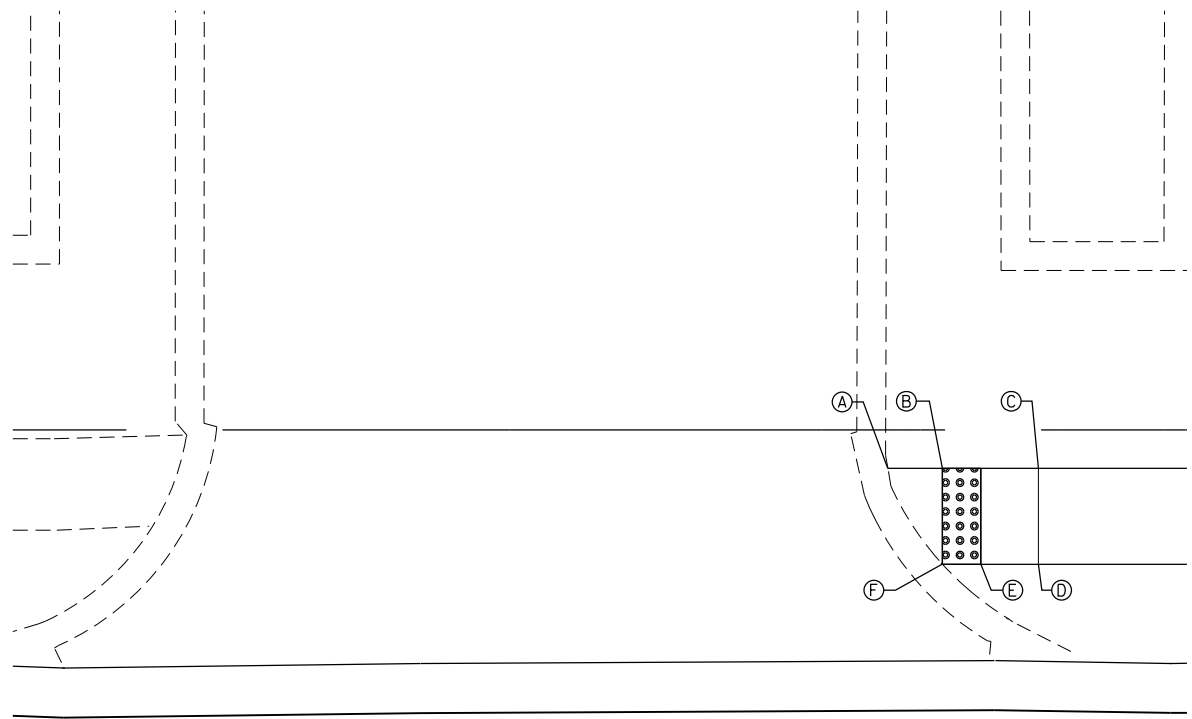
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 3 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 159 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

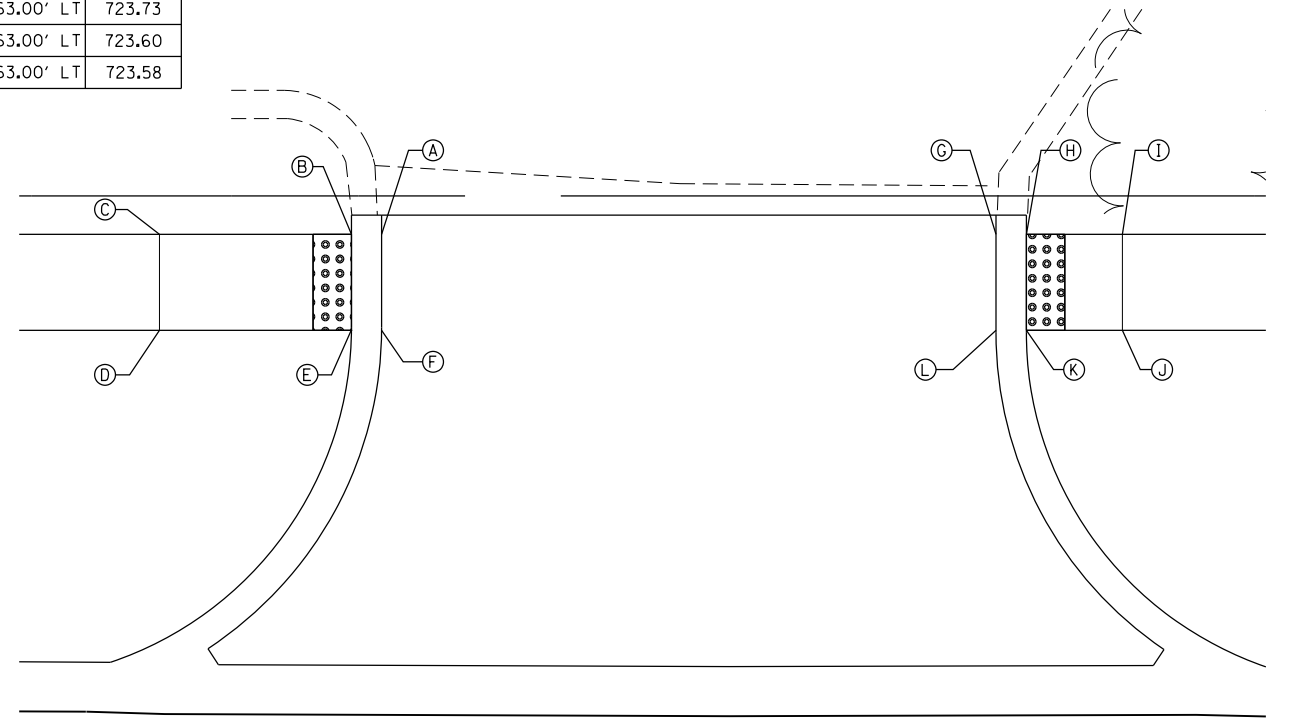
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 64+40.32 | 58.00' LT | 726.62 |
| B | 64+43.16 | 58.00' LT | 727.19 |
| C | 64+48.16 | 58.00' LT | 727.25 |
| D | 64+48.16 | 53.00' LT | 727.32 |
| E | 64+45.16 | 53.00' LT | 727.28 |
| F | 64+43.16 | 53.00' LT | 727.26 |



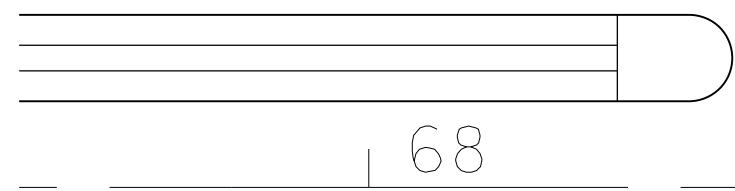
IL 68 (DUNDEE ROAD)

64+00

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 68+00.67 | 68.00' LT | 723.52 |
| B | 67+99.09 | 68.00' LT | 723.54 |
| C | 67+89.09 | 68.00' LT | 723.95 |
| D | 67+89.09 | 63.00' LT | 723.87 |
| E | 67+99.09 | 63.00' LT | 723.47 |
| F | 68+00.67 | 63.00' LT | 723.45 |
| G | 68+32.67 | 68.00' LT | 723.66 |
| H | 68+34.26 | 68.00' LT | 723.68 |
| I | 68+39.26 | 68.00' LT | 723.81 |
| J | 68+39.26 | 63.00' LT | 723.73 |
| K | 68+34.26 | 63.00' LT | 723.60 |
| L | 68+32.67 | 63.00' LT | 723.58 |



IL 68 (DUNDEE ROAD)



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 53 /IL 68 ADA RAMP DETAILS

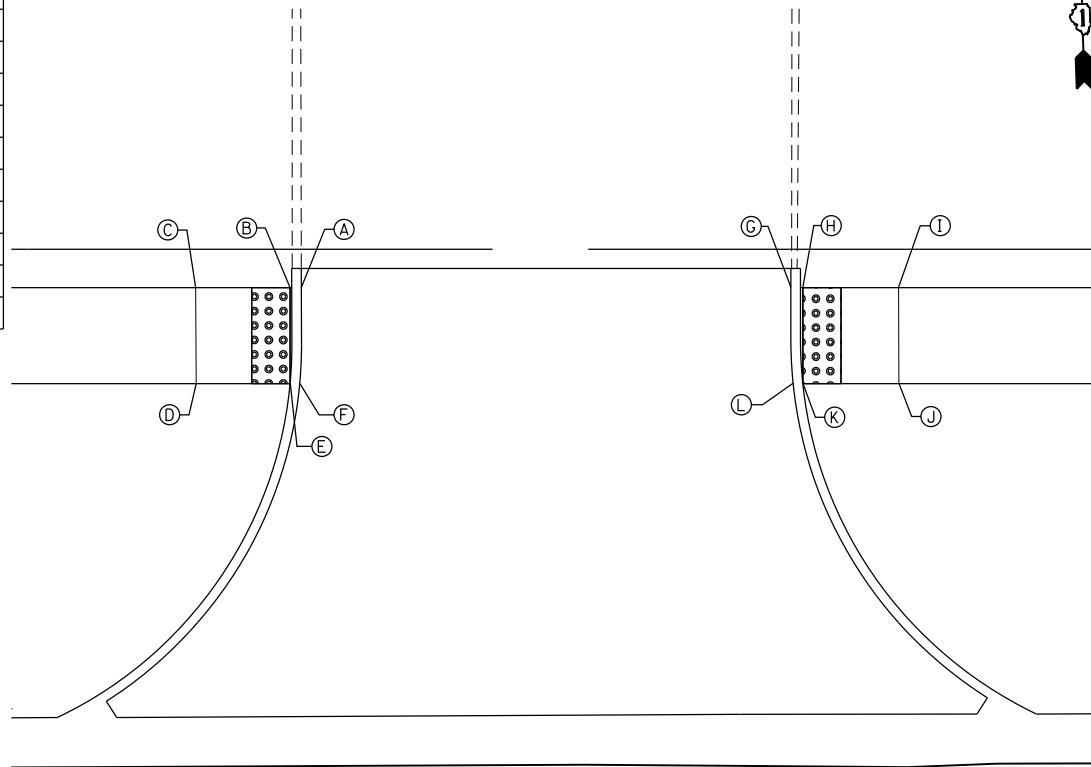
SCALE: 1" = 5' SHEET 4 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 160 |
| CONTRACT NO. 62A26 | | | | |

ILLINOIS FED. AID PROJECT

FILE NAME = D162A26-sht-ADAdetails-04.dgn
Default

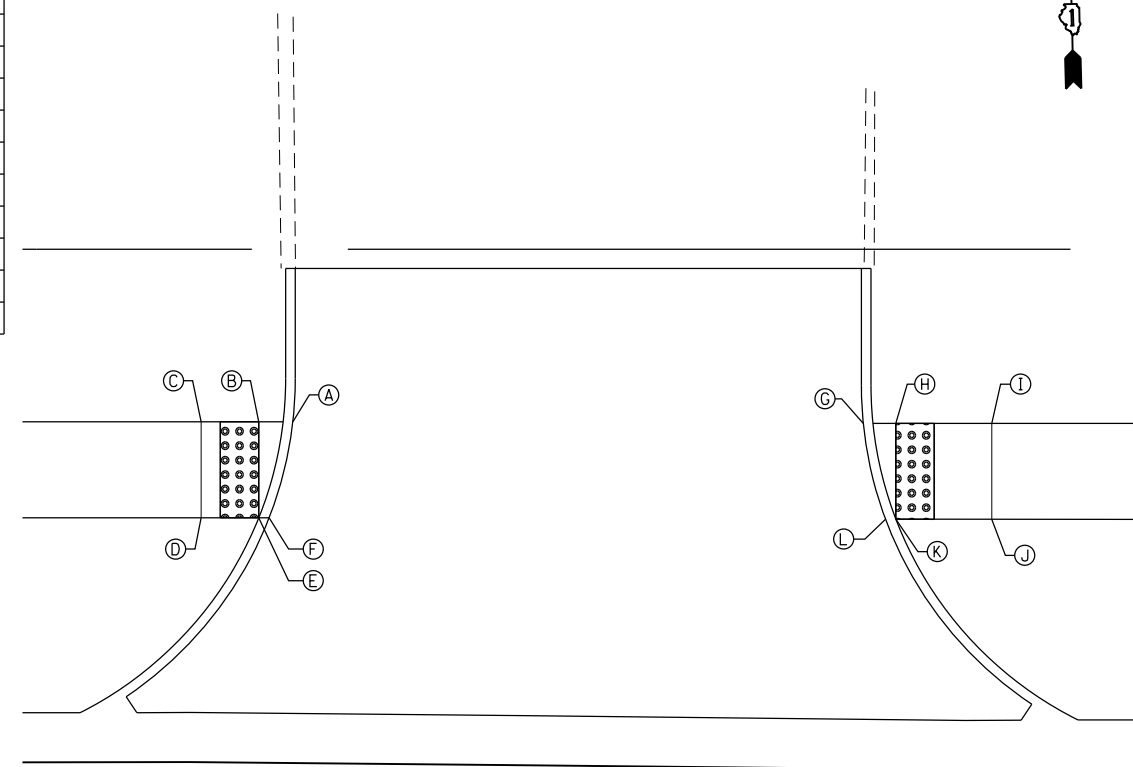
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 68+80.37 | 68.00' LT | 723.56 |
| B | 68+79.78 | 68.00' LT | 723.58 |
| C | 68+74.87 | 68.00' LT | 723.70 |
| D | 68+74.88 | 63.00' LT | 723.62 |
| E | 68+79.78 | 63.00' LT | 723.50 |
| F | 68+80.29 | 63.00' LT | 723.48 |
| G | 69+05.87 | 68.00' LT | 723.52 |
| H | 69+06.49 | 68.00' LT | 723.55 |
| I | 69+11.49 | 68.00' LT | 723.70 |
| J | 69+11.49 | 63.00' LT | 723.62 |
| K | 69+06.49 | 63.00' LT | 723.47 |
| L | 69+05.99 | 63.00' LT | 723.45 |



IL 68 (DUNDEE ROAD)

69

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 69+77.76 | 61.00' LT | 722.07 |
| B | 69+75.98 | 61.00' LT | 722.10 |
| C | 69+72.98 | 61.00' LT | 722.21 |
| D | 69+72.98 | 56.00' LT | 722.13 |
| E | 69+75.98 | 56.00' LT | 722.00 |
| F | 69+76.52 | 56.00' LT | 722.01 |
| G | 70+07.48 | 60.93' LT | 722.01 |
| H | 70+09.18 | 60.93' LT | 722.03 |
| I | 70+14.18 | 60.93' LT | 722.08 |
| J | 70+14.18 | 55.93' LT | 722.00 |
| K | 70+09.18 | 55.93' LT | 721.95 |
| L | 70+08.64 | 55.93' LT | 721.94 |



IL 68 (DUNDEE ROAD)

70+00



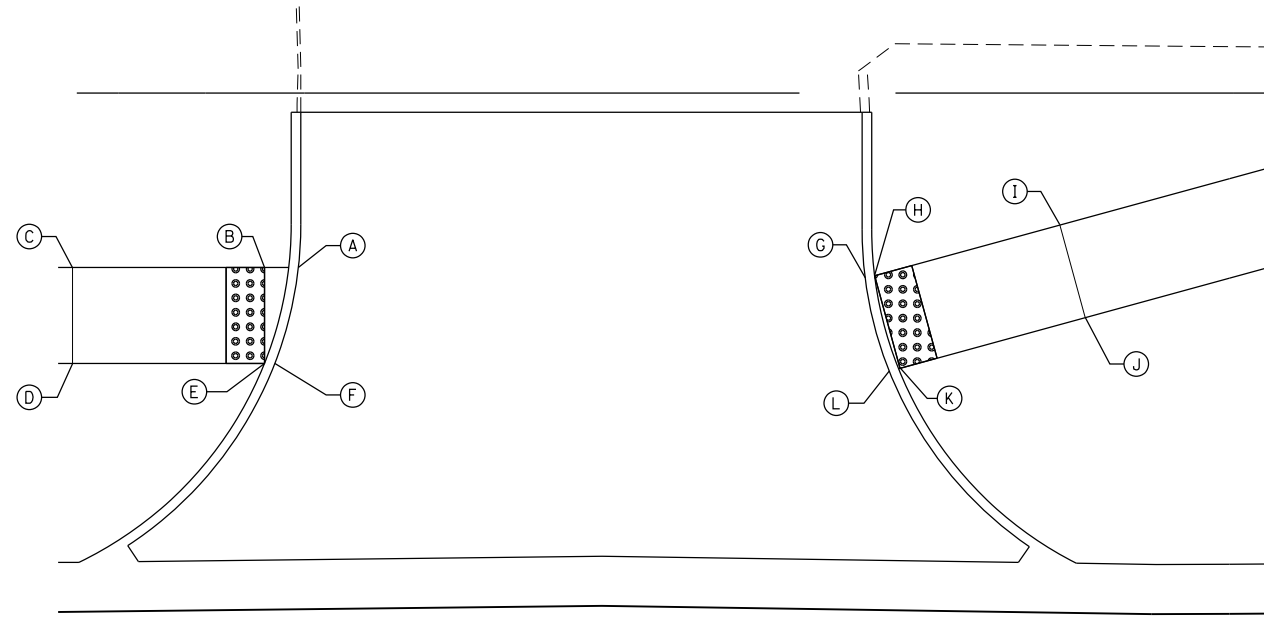
| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 5 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 161 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

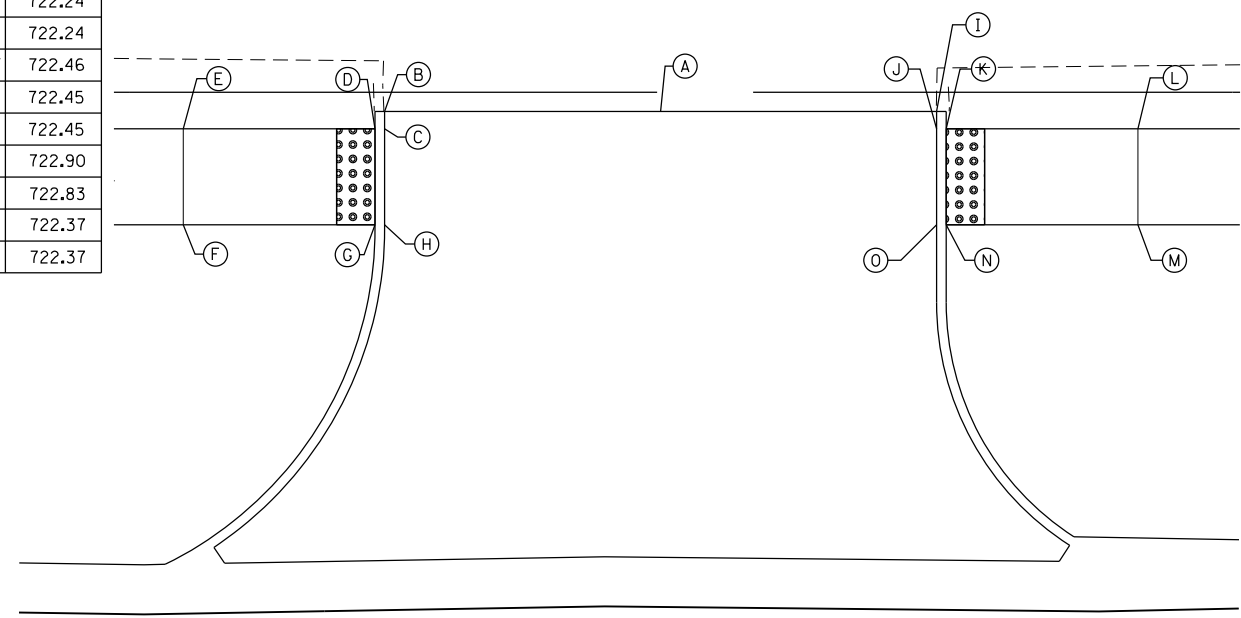


| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 70+77.48 | 60.91' LT | 721.42 |
| B | 70+75.72 | 60.91' LT | 721.43 |
| C | 70+65.72 | 60.91' LT | 721.88 |
| D | 70+65.72 | 55.91' LT | 721.81 |
| E | 70+75.72 | 55.91' LT | 721.36 |
| F | 70+76.26 | 55.91' LT | 721.36 |
| G | 71+07.02 | 60.35' LT | 721.43 |
| H | 71+07.50 | 60.48' LT | 721.43 |
| I | 71+17.15 | 63.12' LT | 722.15 |
| J | 71+18.47 | 58.30' LT | 722.08 |
| K | 71+08.82 | 55.66' LT | 721.36 |
| L | 71+08.26 | 55.50' LT | 721.35 |

IL 68 (DUNDEE ROAD)

71

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 72+31.72 | 69.00' LT | 722.49 |
| B | 72+17.35 | 69.00' LT | 722.42 |
| C | 72+17.35 | 68.09' LT | 722.41 |
| D | 72+16.85 | 68.09' LT | 722.41 |
| E | 72+06.85 | 68.09' LT | 722.55 |
| F | 72+06.85 | 63.09' LT | 722.52 |
| G | 72+16.85 | 63.09' LT | 722.24 |
| H | 72+17.35 | 63.09' LT | 722.24 |
| I | 72+46.10 | 69.00' LT | 722.46 |
| J | 72+46.10 | 68.09' LT | 722.45 |
| K | 72+46.60 | 68.09' LT | 722.45 |
| L | 72+56.60 | 68.09' LT | 722.90 |
| M | 72+56.60 | 63.09' LT | 722.83 |
| N | 72+46.60 | 63.09' LT | 722.37 |
| O | 72+46.10 | 63.09' LT | 722.37 |



IL 68 (DUNDEE ROAD)

72



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

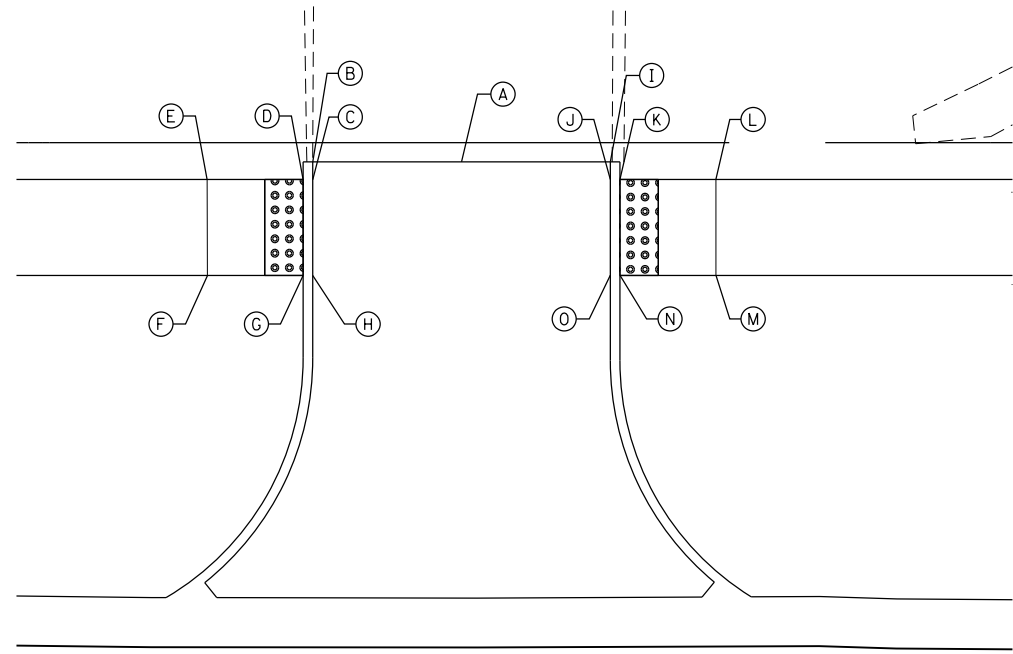
IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 6 OF 19 SHEETS STA. TO STA.

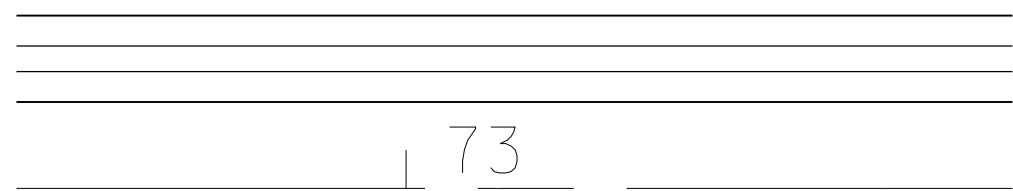
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 162 |
| CONTRACT NO. 62A26 | | | | |

ILLINOIS FED. AID PROJECT

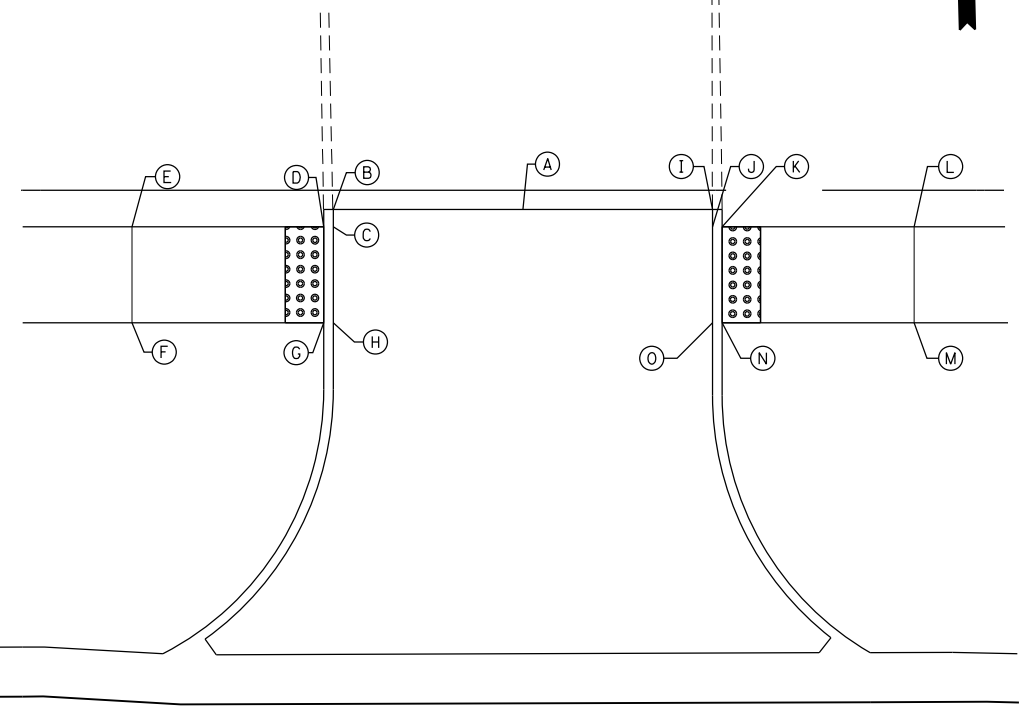
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 73+02.90 | 69.00' LT | 723.50 |
| B | 72+95.15 | 69.00' LT | 723.42 |
| C | 72+95.15 | 68.09' LT | 723.41 |
| D | 72+94.65 | 68.09' LT | 723.41 |
| E | 72+89.65 | 68.09' LT | 723.50 |
| F | 72+89.65 | 63.09' LT | 723.43 |
| G | 72+94.65 | 63.09' LT | 723.34 |
| H | 72+95.15 | 63.09' LT | 723.34 |
| I | 73+10.65 | 69.00' LT | 723.42 |
| J | 73+10.65 | 68.09' LT | 723.41 |
| K | 73+11.15 | 68.09' LT | 723.41 |
| L | 73+16.15 | 68.09' LT | 723.63 |
| M | 73+16.15 | 63.09' LT | 723.56 |
| N | 73+11.15 | 63.09' LT | 723.34 |
| O | 73+10.65 | 63.09' LT | 723.34 |



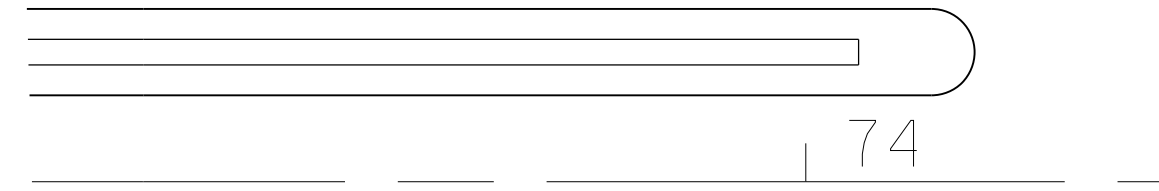
IL 68 (DUNDEE ROAD)



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 73+91.57 | 69.00' LT | 723.76 |
| B | 73+81.70 | 69.00' LT | 723.66 |
| C | 73+81.70 | 68.09' LT | 723.66 |
| D | 73+81.20 | 68.09' LT | 723.66 |
| E | 73+71.20 | 68.09' LT | 724.11 |
| F | 73+71.20 | 63.09' LT | 724.06 |
| G | 73+81.20 | 63.09' LT | 723.64 |
| H | 73+81.70 | 63.09' LT | 723.64 |
| I | 74+01.45 | 69.00' LT | 723.66 |
| J | 74+01.45 | 68.09' LT | 723.66 |
| K | 74+01.95 | 68.09' LT | 723.66 |
| L | 74+11.95 | 68.09' LT | 724.09 |
| M | 74+11.95 | 63.09' LT | 724.04 |
| N | 74+01.95 | 63.09' LT | 723.64 |
| O | 74+01.45 | 63.09' LT | 723.64 |



IL 68 (DUNDEE ROAD)



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

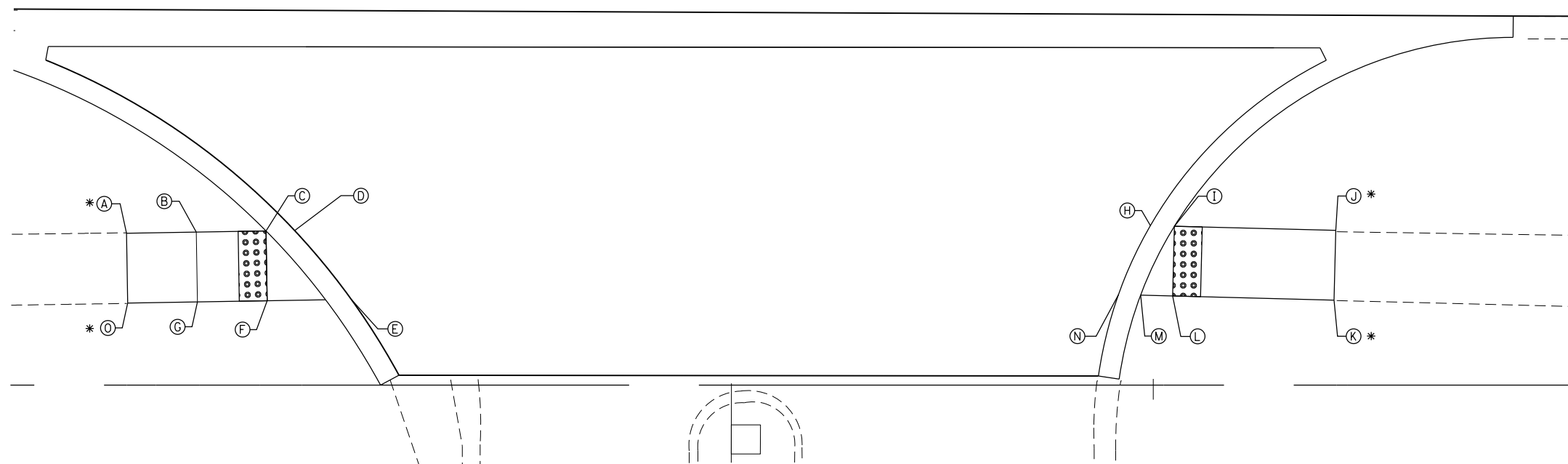
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 7 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 163 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

IL 68 (DUNDEE ROAD)



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 74+10.03 | 59.12' RT | 724.39 |
| B | 74+15.03 | 59.03' RT | 724.48 |
| C | 74+20.03 | 58.95' RT | 724.57 |
| D | 74+22.08 | 58.92' RT | 724.57 |
| E | 74+26.14 | 63.70' RT | 724.64 |
| F | 74+20.11 | 63.95' RT | 724.64 |
| G | 74+21.59 | 63.91' RT | 724.55 |
| H | 74+83.44 | 58.57' RT | 725.06 |
| I | 74+85.17 | 58.61' RT | 725.07 |
| J | 74+96.73 | 58.91' RT | 725.37 |
| K | 74+96.60 | 63.91' RT | 725.50 |
| L | 74+85.04 | 63.61' RT | 725.15 |
| M | 74+82.74 | 63.66' RT | 725.13 |
| N | 74+81.16 | 63.51' RT | 725.12 |
| O | 74+14.10 | 64.12' RT | 724.57 |

* MATCH EXISTING

**DRIVEWAY AT
STA. 74 + 60.76 (IL 53 / IL 68)**



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

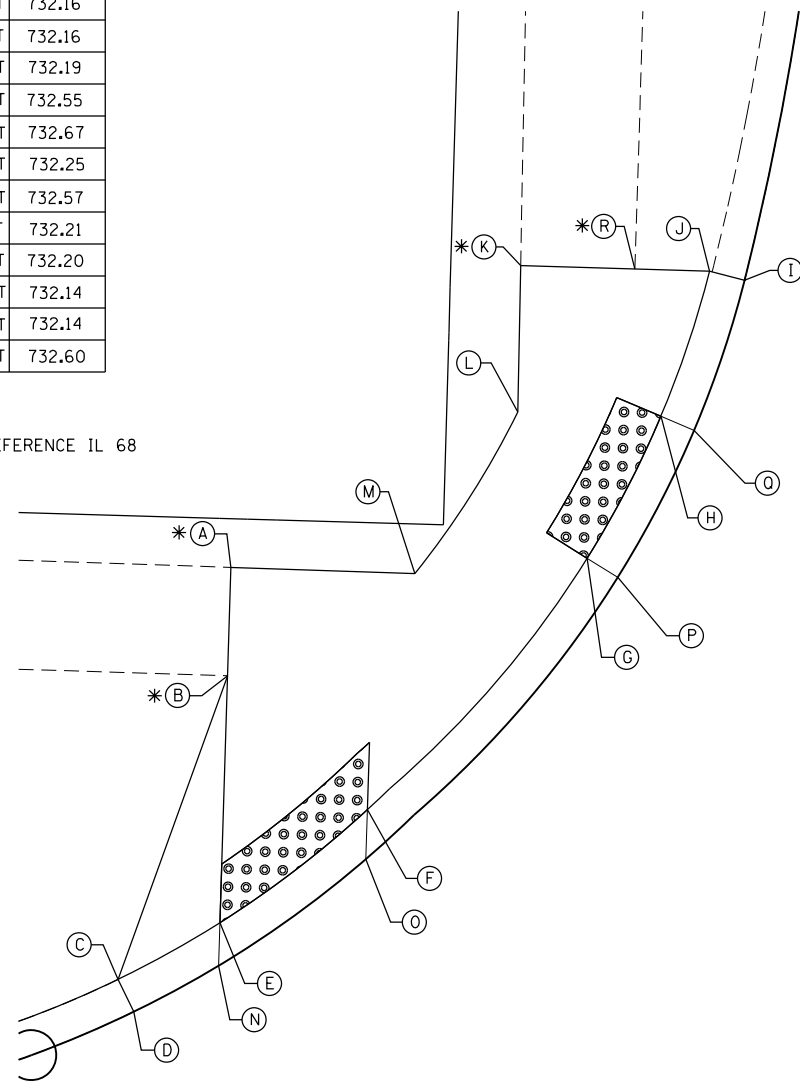
IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 8 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 164 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 82+38.69 | 67.97' LT | 732.64 |
| B | 82+38.68 | 63.45' LT | 732.67 |
| C | 82+34.47 | 50.67' LT | 732.62 |
| D | 82+35.17 | 49.34' LT | 732.18 |
| E | 82+38.65 | 53.16' LT | 732.23 |
| F | 82+44.66 | 58.04' LT | 732.22 |
| G | 82+53.52 | 68.78' LT | 732.16 |
| H | 82+56.42 | 74.78' LT | 732.16 |
| I | 82+59.74 | 80.55' LT | 732.19 |
| J | 82+58.28 | 80.88' LT | 732.55 |
| K | 82+50.40 | 80.89' LT | 732.67 |
| L | 82+50.45 | 74.79' LT | 732.25 |
| M | 82+46.35 | 67.93' LT | 732.57 |
| N | 82+38.64 | 51.36' LT | 732.21 |
| O | 82+44.66 | 55.97' LT | 732.20 |
| P | 82+54.81 | 68.02' LT | 732.14 |
| Q | 82+57.82 | 74.23' LT | 732.14 |
| R | 82+55.16 | 80.88' LT | 732.60 |

NOTE: ALL STA/OFFSET REFERENCE IL 68



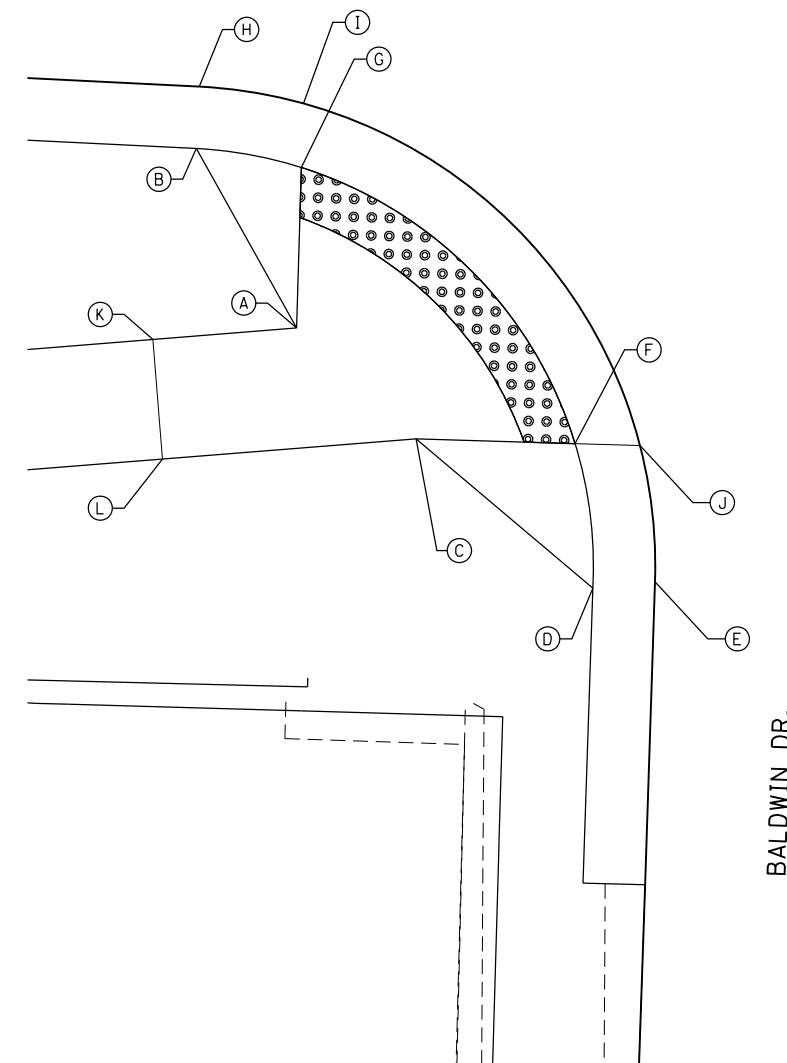
IL 68 (DUNDEE ROAD)

**IL 68 (DUNDEE ROAD) AT
BALDWIN ROAD NW CORNER**

* MATCH EXISTING

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 82+38.37 | 54.06' RT | 732.19 |
| B | 82+33.98 | 46.70' RT | 732.58 |
| C | 82+43.48 | 58.53' RT | 732.25 |
| D | 82+51.03 | 64.54' RT | 732.75 |
| E | 82+53.62 | 64.20' RT | 732.25 |
| F | 82+50.12 | 58.54' RT | 732.15 |
| G | 82+38.39 | 47.36' RT | 732.05 |
| H | 82+34.04 | 44.12' RT | 732.09 |
| I | 82+38.40 | 44.69' RT | 732.03 |
| J | 82+52.83 | 58.54' RT | 732.13 |
| K | 82+32.41 | 54.70' RT | 732.33 |
| L | 82+32.95 | 59.68' RT | 732.40 |

IL 68 (DUNDEE ROAD)



**IL 68 (DUNDEE ROAD) AT
BALDWIN DRIVE SW CORNER**



| | | |
|----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| PLOT SCALE = 8.0000' / in. | DRAWN - RDT | REVISED - |
| PLOT DATE = 2/13/2019 | CHECKED - MHL | REVISED - |
| | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

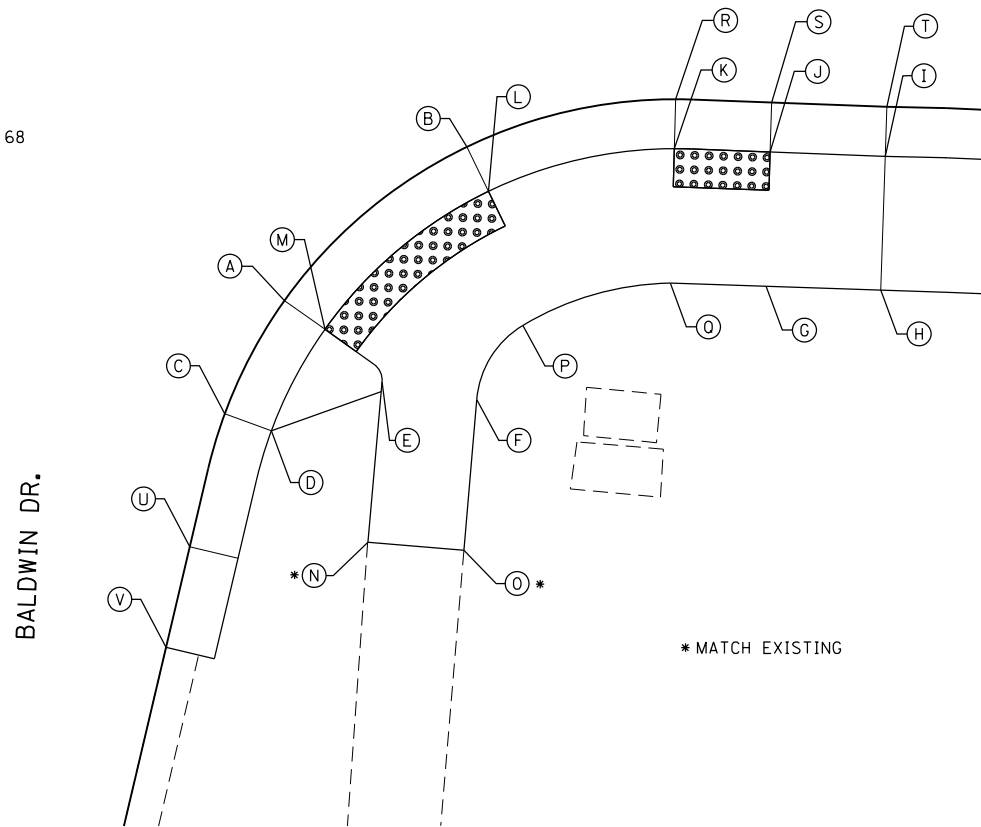
IL 53 / IL 68 ADA RAMP DETAIL

SCALE: 1" = 5' SHEET 9 OF 19 SHEETS STA. TO STA.

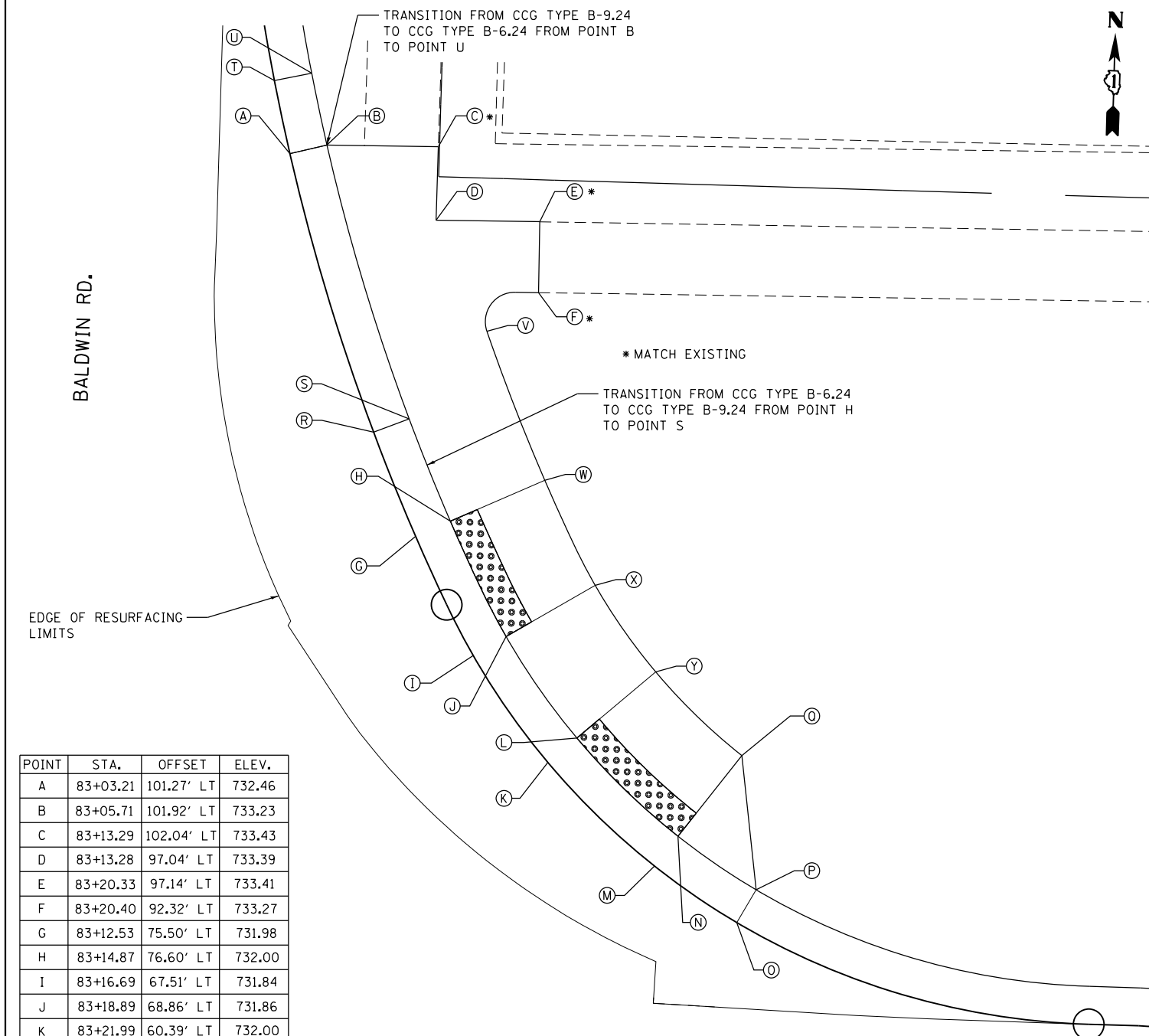
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 165 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 83+04.63 | 58.57' RT | 732.28 |
| B | 83+13.89 | 50.28' RT | 732.46 |
| C | 83+01.70 | 64.56' RT | 732.19 |
| D | 83+04.15 | 65.38' RT | 732.63 |
| E | 83+09.84 | 62.65' RT | 732.40 |
| F | 83+14.79 | 63.43' RT | 732.47 |
| G | 83+29.69 | 57.08' RT | 732.62 |
| H | 83+35.67 | 57.10' RT | 733.07 |
| I | 83+35.69 | 50.13' RT | 733.00 |
| J | 83+29.69 | 57.08' RT | 732.56 |
| K | 83+24.69 | 50.06' RT | 732.73 |
| L | 83+15.08 | 52.57' RT | 732.48 |
| M | 83+06.78 | 60.01' RT | 732.30 |
| N | 83+09.35 | 71.03' RT | 732.46 |
| O | 83+14.36 | 71.30' RT | 732.61 |
| P | 83+17.08 | 59.50' RT | 732.59 |
| Q | 83+24.69 | 57.07' RT | 732.77 |
| R | 83+24.69 | 47.48' RT | 732.68 |
| S | 83+29.69 | 47.50' RT | 732.59 |
| T | 83+35.69 | 47.55' RT | 732.55 |
| U | 83+00.08 | 71.55' RT | 732.05 |
| V | 82+99.00 | 76.82' RT | 731.90 |

NOTE: ALL STA/OFFSET REFERENCE IL 68



**IL 68 (DUNDEE ROAD) AT
BALDWIN DRIVE SE CORNER**

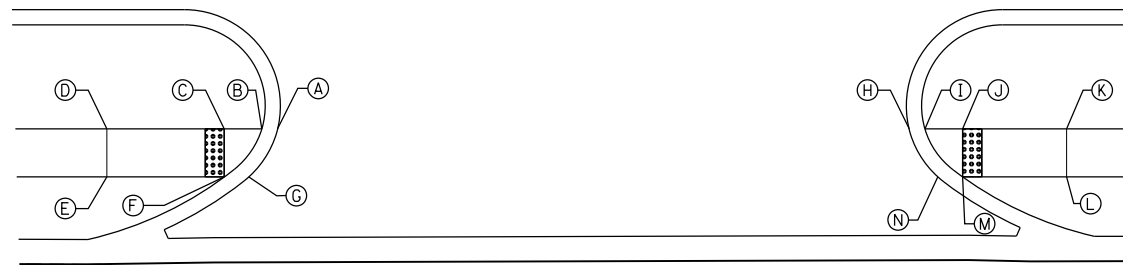


| POINT | STA. | OFFSET | ELEV. |
|-------|----------|------------|--------|
| A | 83+03.21 | 101.27' LT | 732.46 |
| B | 83+05.71 | 101.92' LT | 733.23 |
| C | 83+13.29 | 102.04' LT | 733.43 |
| D | 83+13.28 | 97.04' LT | 733.39 |
| E | 83+20.33 | 97.14' LT | 733.41 |
| F | 83+20.40 | 92.32' LT | 733.27 |
| G | 83+12.53 | 75.50' LT | 731.98 |
| H | 83+14.87 | 76.60' LT | 732.00 |
| I | 83+16.69 | 67.51' LT | 731.84 |
| J | 83+18.89 | 68.86' LT | 731.86 |
| K | 83+21.99 | 60.39' LT | 732.00 |
| L | 83+23.92 | 62.11' LT | 732.02 |
| M | 83+29.45 | 53.56' LT | 732.06 |
| N | 83+30.99 | 55.63' LT | 732.08 |
| O | 83+35.17 | 49.88' LT | 732.10 |
| P | 83+36.14 | 52.14' LT | 732.50 |
| Q | 83+35.17 | 61.25' LT | 732.19 |
| R | 83+09.47 | 82.49' LT | 731.91 |
| S | 83+11.86 | 83.47' LT | 732.66 |
| T | 83+02.00 | 106.21' LT | 732.30 |
| U | 83+04.52 | 106.78' LT | 732.80 |
| V | 83+16.97 | 89.59' LT | 733.02 |
| W | 83+21.21 | 79.57' LT | 732.11 |
| X | 83+24.86 | 72.52' LT | 731.97 |
| Y | 83+29.14 | 66.77' LT | 732.13 |

NOTE: ALL STA/OFFSET REFERENCE IL 68

**IL 68 (DUNDEE ROAD) AT
BALDWIN ROAD NE CORNER**

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 87+17.78 | 57.58' LT | 731.75 |
| B | 87+16.14 | 57.58' LT | 731.76 |
| C | 87+12.24 | 57.58' LT | 731.79 |
| D | 87+00.00 | 57.58' LT | 732.65 |
| E | 87+00.00 | 52.58' LT | 732.57 |
| F | 87+12.24 | 52.58' LT | 731.71 |
| G | 87+14.79 | 52.58' LT | 731.68 |
| H | 87+83.59 | 57.58' LT | 731.78 |
| I | 87+85.23 | 57.58' LT | 731.80 |
| J | 87+89.17 | 57.58' LT | 731.82 |
| K | 88+00.00 | 57.58' LT | 732.04 |
| L | 88+00.00 | 52.58' LT | 732.11 |
| M | 87+89.17 | 52.58' LT | 731.74 |
| N | 87+86.59 | 52.58' LT | 731.72 |

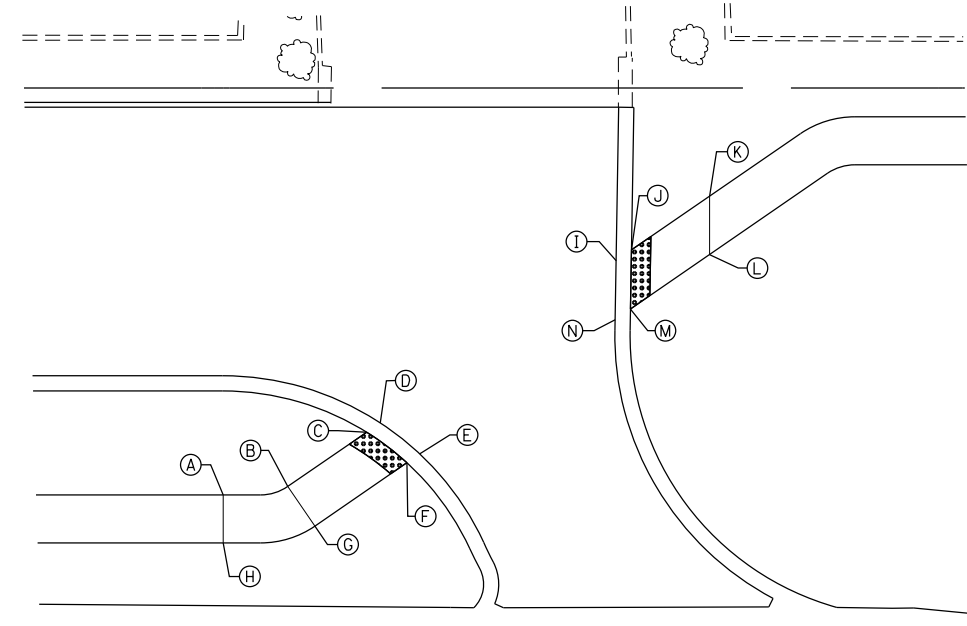


IL 68 (DUNDEE ROAD)



88

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 89+79.31 | 57.58' LT | 731.56 |
| B | 89+86.05 | 58.46' LT | 731.65 |
| C | 89+94.27 | 64.12' LT | 731.53 |
| D | 89+95.69 | 65.10' LT | 731.53 |
| E | 89+99.80 | 61.86' LT | 731.45 |
| F | 89+98.46 | 60.94' LT | 731.47 |
| G | 89+88.88 | 54.35' LT | 731.62 |
| H | 89+79.31 | 52.58' LT | 731.64 |
| I | 90+20.26 | 82.01' LT | 732.11 |
| J | 90+21.86 | 83.11' LT | 732.14 |
| K | 90+30.00 | 88.71' LT | 731.81 |
| L | 90+30.00 | 82.64' LT | 731.76 |
| M | 90+21.75 | 76.97' LT | 732.07 |
| N | 90+20.15 | 75.86' LT | 732.04 |



IL 68 (DUNDEE ROAD)

90+00



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

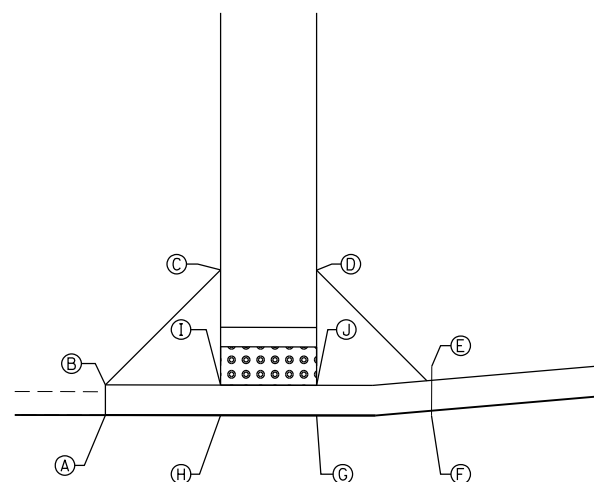
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 10' SHEET 11 OF 19 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 167 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

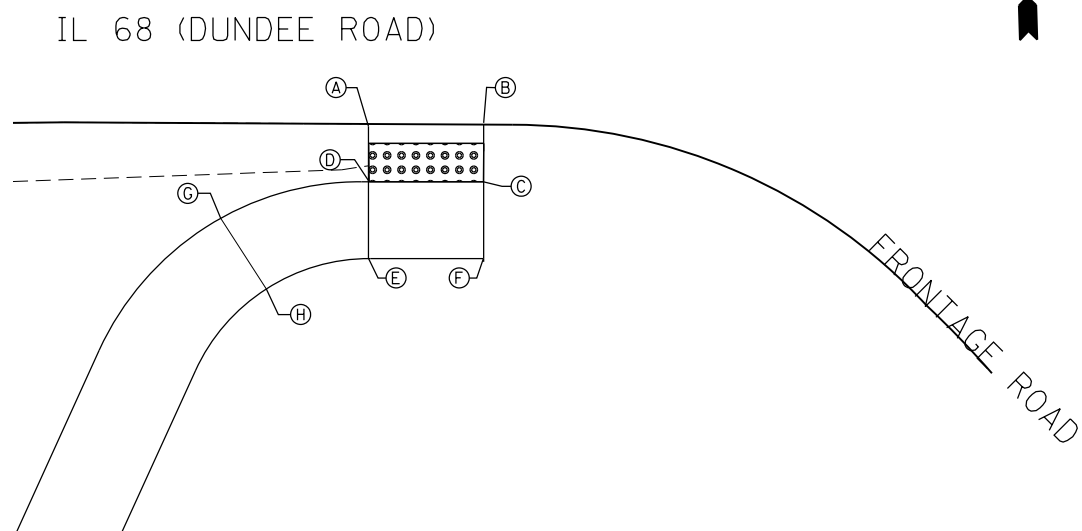
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 94+26.14 | 43.55' LT | 729.96 |
| B | 94+26.14 | 46.15' LT | 730.46 |
| C | 94+32.14 | 52.14' LT | 729.88 |
| D | 94+37.14 | 52.13' LT | 729.87 |
| E | 94+43.13 | 46.11' LT | 730.41 |
| F | 94+43.13 | 43.53' LT | 729.90 |
| G | 94+37.14 | 43.54' LT | 729.93 |
| H | 94+32.14 | 43.55' LT | 729.94 |
| I | 94+32.14 | 46.14' LT | 729.94 |
| J | 94+37.14 | 46.13' LT | 729.93 |



IL 68 (DUNDEE ROAD)

**ADA RAMP AT
STA. 94 + 34.64 LT (IL 53 / IL 68 AT
KENNEDY DR./FRONTAGE RD.)**

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 94+31.64 | 43.70' RT | 729.80 |
| B | 94+37.64 | 43.52' RT | 729.76 |
| C | 94+37.63 | 46.59' RT | 729.71 |
| D | 94+31.68 | 46.58' RT | 729.75 |
| E | 94+31.64 | 50.58' RT | 729.67 |
| F | 94+37.63 | 50.59' RT | 729.65 |
| G | 94+23.95 | 48.49' RT | 729.54 |
| H | 94+26.31 | 52.17' RT | 729.47 |



**ADA RAMP AT
STA. 94 + 34.65 RT (IL 53 / IL 68 AT
KENNEDY DR./FRONTAGE RD.)**



USER NAME = Guest_2
PLOT SCALE = 10.0000' / in.
PLOT DATE = 2/13/2019

DESIGNED - RDT
DRAWN - RDT
CHECKED - MHL
DATE - 10/01/17

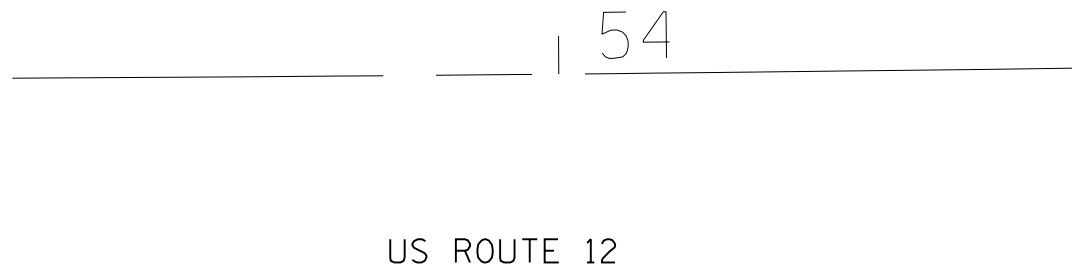
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 53 / IL 68, KENNEDY DRIVE
ADA RAMP DETAILS**

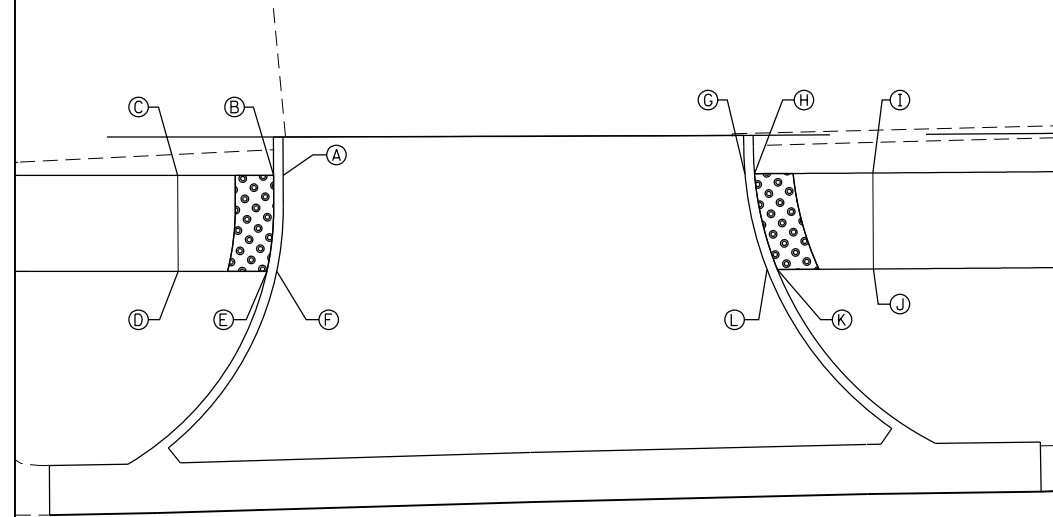
SCALE: 1" = 5' SHEET 12 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 168 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 53+80.86 | 44.43' RT | 735.88 |
| B | 53+83.92 | 39.43' RT | 735.68 |
| C | 53+90.84 | 33.64' RT | 735.51 |
| D | 53+92.68 | 39.43' RT | 735.85 |
| E | 53+92.68 | 44.43' RT | 735.92 |
| F | 53+80.22 | 49.80' RT | 736.10 |
| G | 53+82.87 | 44.43' RT | 735.88 |
| H | 53+86.72 | 39.43' RT | 735.70 |
| I | 53+91.58 | 35.95' RT | 735.91 |

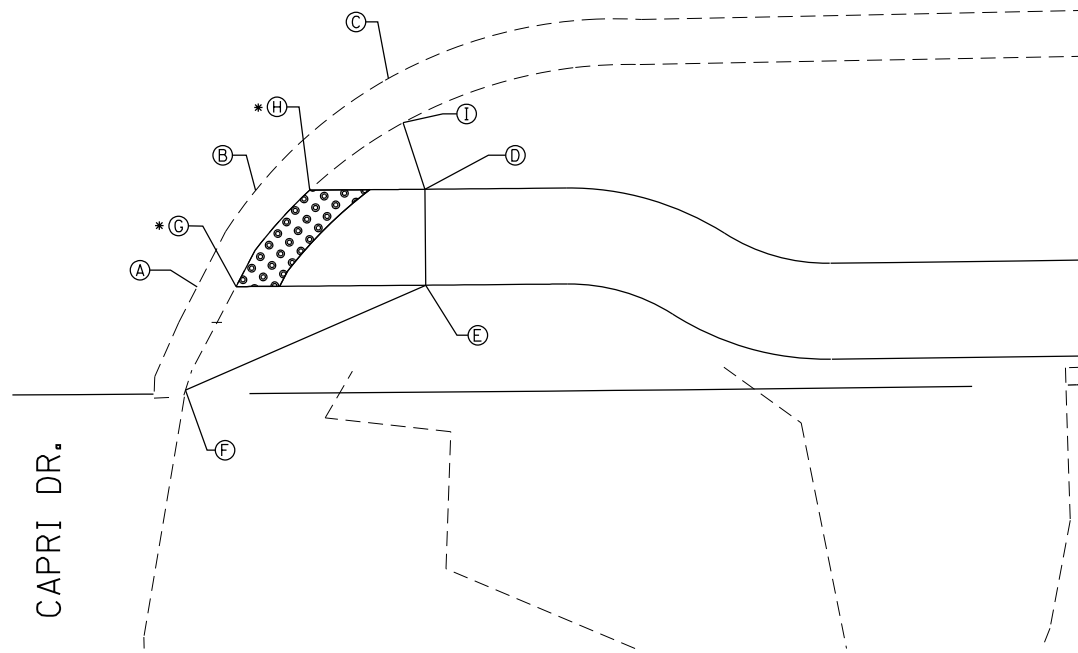
* MATCH EXISTING



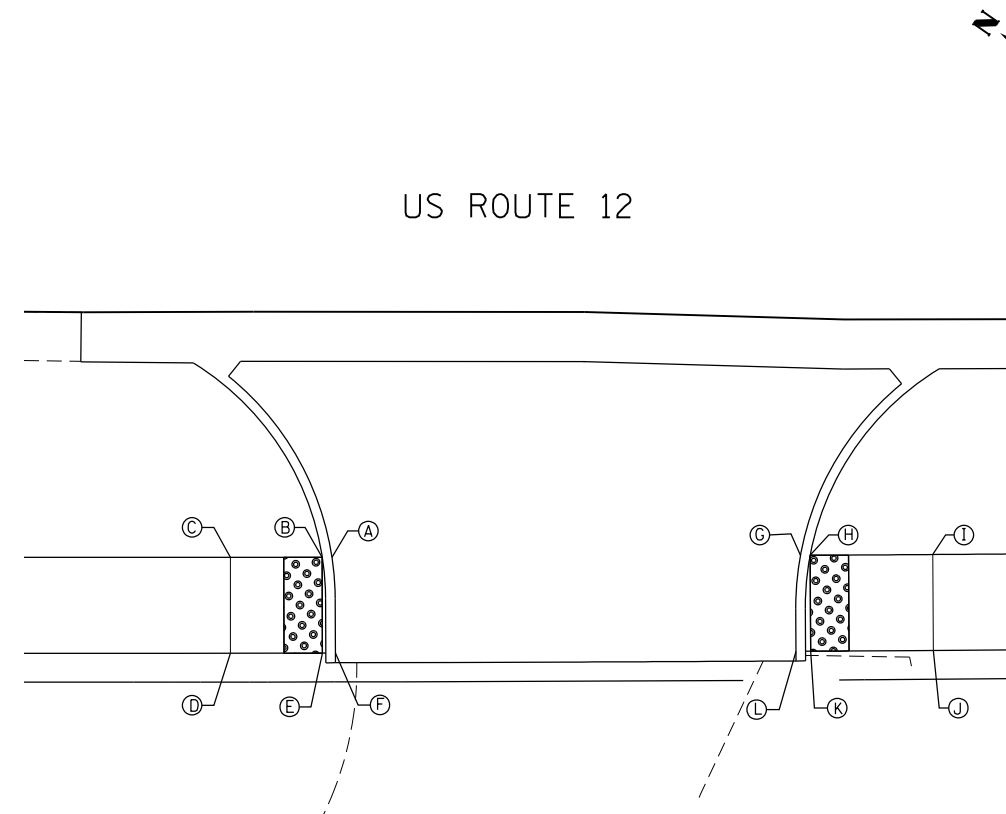
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 55+65.48 | 48.00' LT | 733.76 |
| B | 55+64.98 | 48.00' LT | 733.77 |
| C | 55+59.94 | 48.00' LT | 733.95 |
| D | 55+59.96 | 43.00' LT | 734.03 |
| E | 55+64.62 | 43.00' LT | 733.83 |
| F | 55+65.14 | 43.00' LT | 733.82 |
| G | 55+89.72 | 48.00' LT | 733.31 |
| H | 55+90.23 | 48.00' LT | 733.33 |
| I | 55+96.43 | 48.00' LT | 733.76 |
| J | 55+96.43 | 43.00' LT | 733.85 |
| K | 55+91.39 | 43.00' LT | 733.43 |
| L | 55+90.86 | 43.00' LT | 733.41 |

US ROUTE 12

DRIVEWAY AT
STA. 55 + 80.00 LT



US ROUTE 12 AT CAPRI DR.
SW CORNER



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 55+68.88 | 43.50' RT | 735.15 |
| B | 55+68.38 | 43.50' RT | 735.16 |
| C | 55+63.57 | 43.50' RT | 735.21 |
| D | 55+63.59 | 48.50' RT | 735.28 |
| E | 55+68.38 | 48.50' RT | 735.22 |
| F | 58+69.05 | 48.50' RT | 735.21 |
| G | 55+93.12 | 43.50' RT | 735.19 |
| H | 55+93.62 | 43.50' RT | 735.20 |
| I | 56+00.00 | 43.50' RT | 735.00 |
| J | 56+00.00 | 48.50' RT | 735.08 |
| K | 55+93.62 | 48.50' RT | 735.24 |
| L | 55+92.86 | 48.50' RT | 735.26 |

DRIVEWAY AT
STA. 55 + 90.00 RT



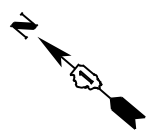
| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAND ROAD (US 12) ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 13 OF 19 SHEETS STA. TO STA.

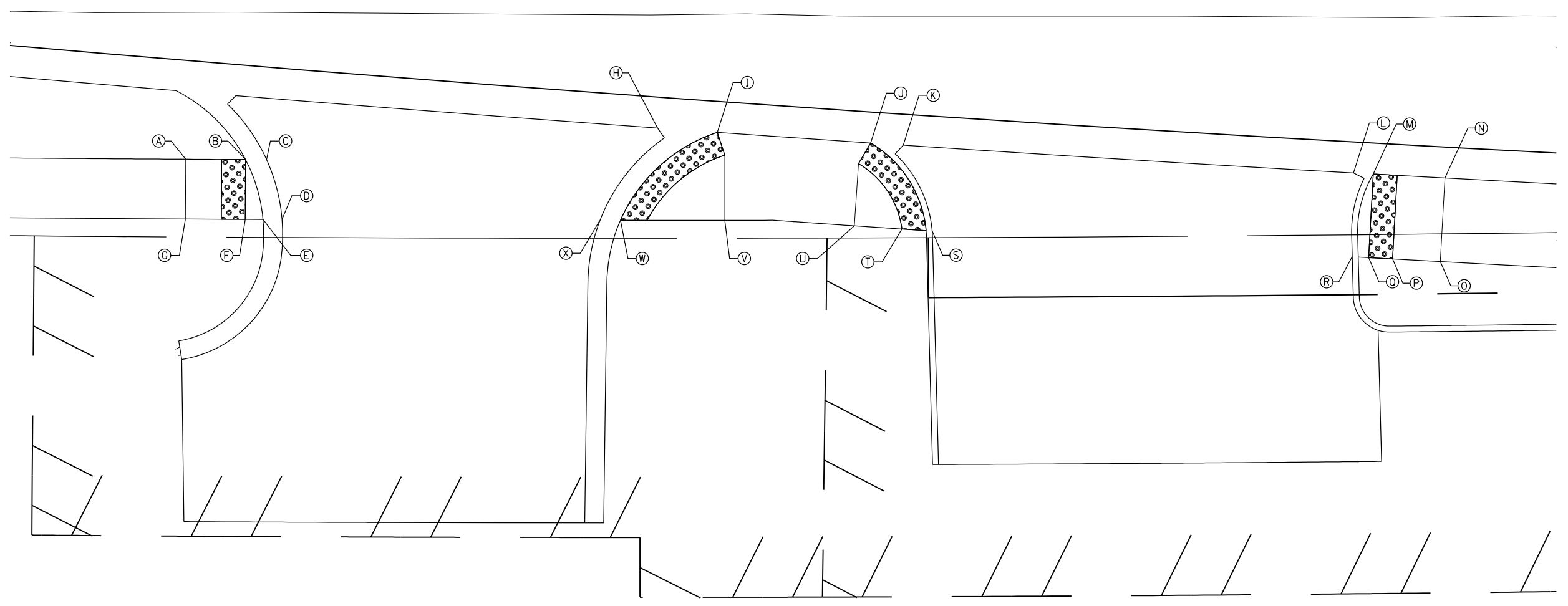
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|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 169 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 56+76.32 | 43.50' RT | 733.76 |
| B | 56+81.28 | 43.50' RT | 733.56 |
| C | 56+83.03 | 43.50' RT | 733.54 |
| D | 56+84.33 | 48.50' RT | 733.62 |
| E | 56+82.76 | 48.50' RT | 733.63 |
| F | 56+81.28 | 48.50' RT | 733.64 |
| G | 56+76.32 | 48.50' RT | 733.83 |
| H | 57+15.46 | 40.79' RT | 733.41 |
| I | 57+20.41 | 41.15' RT | 733.42 |
| J | 57+33.14 | 42.07' RT | 733.28 |
| K | 57+35.84 | 42.26' RT | 733.47 |
| L | 57+73.17 | 44.83' RT | 732.87 |
| M | 57+74.81 | 44.94' RT | 732.88 |
| N | 57+80.76 | 45.33' RT | 733.20 |
| O | 57+80.29 | 52.31' RT | 733.30 |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| P | 57+76.34 | 52.05' RT | 732.99 |
| Q | 57+74.36 | 51.92' RT | 732.84 |
| R | 57+73.00 | 51.83' RT | 732.81 |
| S | 57+38.21 | 49.44' RT | 733.70 |
| T | 57+35.70 | 49.27' RT | 733.67 |
| U | 57+31.76 | 48.99' RT | 733.64 |
| V | 57+21.03 | 48.50' RT | 733.54 |
| W | 57+12.38 | 48.50' RT | 733.55 |
| X | 57+10.68 | 48.50' RT | 733.55 |

57+00



**DRIVEWAYS AT
STA. 56 + 93.67 RT AND STA. 57 + 40.00 RT**

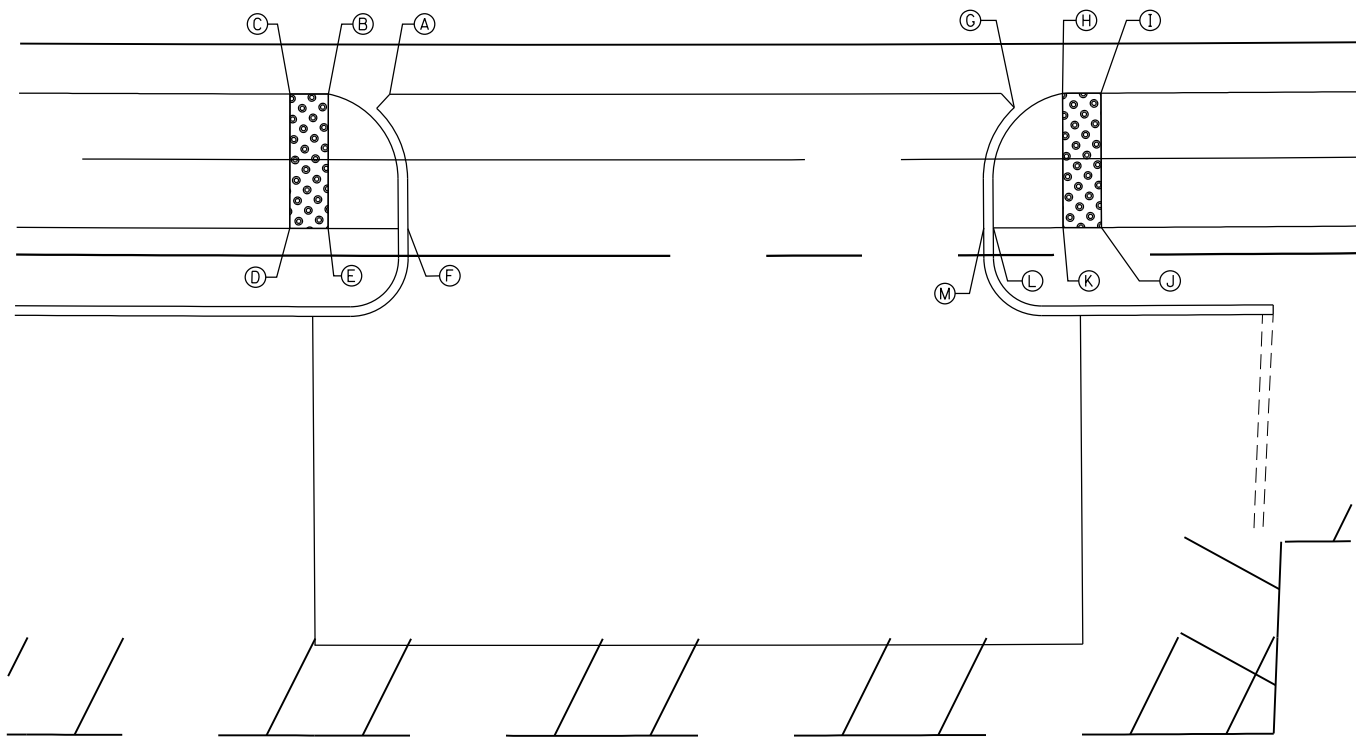
| | | | | | | | | | | | |
|--|-----------------------------|----------------|-----------|---|---|------|---------------------------|---------------------------|--------|--------------|-----------|
| | USER NAME = Guest_2 | DESIGNED - RDT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RAND ROAD (US 12) ADA RAMP DETAILS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 10.0000' / in. | DRAWN - RDT | REVISED - | | | | 343 | 3041-N-2 | COOK | 226 | 170 |
| | PLOT DATE = 2/13/2019 | CHECKED - MHL | REVISED - | | | | CONTRACT NO. 62A26 | | | | |
| | DATE - 10/01/17 | REVISED - | | SCALE: 1" = 5' | SHEET 14 OF 19 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | |

FILE NAME = D162A26-sht-ADAdetails-14.dgn
Default

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 58+22.52 | 46.58' RT | 733.93 |
| B | 58+19.34 | 46.58' RT | 734.09 |
| C | 58+17.36 | 46.59' RT | 734.11 |
| D | 58+17.36 | 53.58' RT | 734.21 |
| E | 58+19.34 | 53.58' RT | 734.16 |
| F | 58+23.47 | 53.58' RT | 734.07 |
| G | 58+54.81 | 47.32' RT | 733.88 |
| H | 58+57.31 | 46.58' RT | 734.12 |
| I | 58+59.30 | 46.58' RT | 734.19 |
| J | 58+59.30 | 53.58' RT | 734.15 |
| K | 58+57.31 | 53.58' RT | 734.10 |
| L | 58+53.71 | 53.58' RT | 734.07 |
| M | 58+53.22 | 53.58' RT | 734.07 |
| N | | | |
| O | | | |

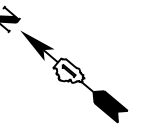


US ROUTE 12

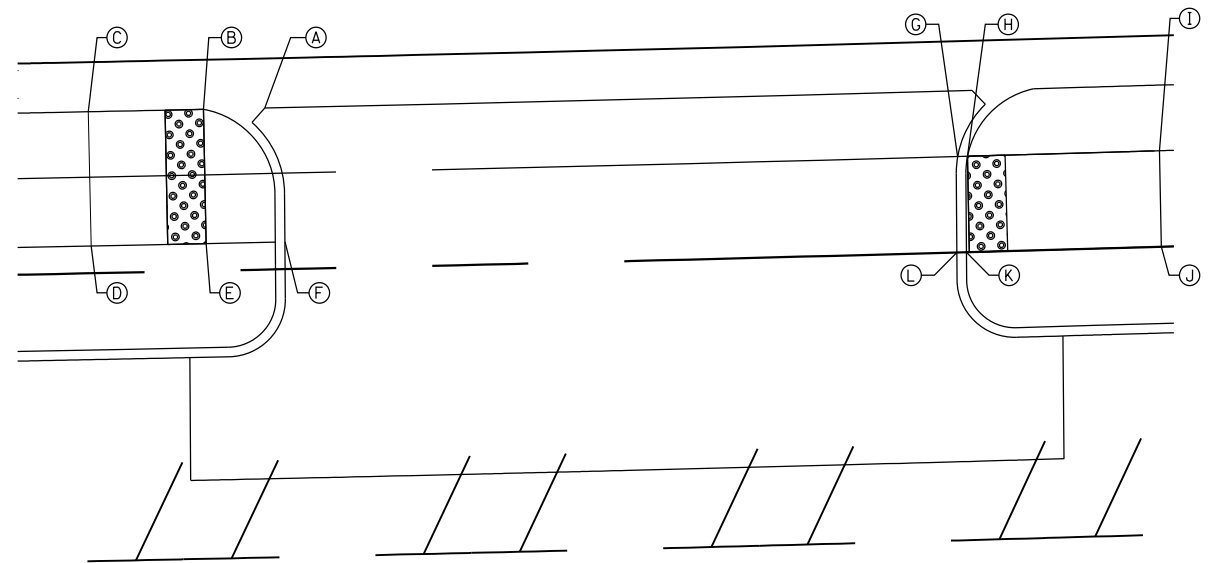


**DRIVEWAY AT
STA. 58 + 38.48 RT**

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 59+67.32 | 46.58' RT | 733.52 |
| B | 59+64.14 | 46.58' RT | 733.57 |
| C | 59+58.19 | 46.58' RT | 733.99 |
| D | 59+58.19 | 53.58' RT | 734.09 |
| E | 59+64.14 | 53.58' RT | 733.67 |
| F | 59+68.21 | 53.58' RT | 733.62 |
| G | 60+03.07 | 50.00' RT | 733.66 |
| H | 60+03.57 | 50.00' RT | 733.66 |
| I | 60+13.50 | 50.00' RT | 734.16 |
| J | 60+13.45 | 55.00' RT | 734.23 |
| K | 60+03.38 | 55.00' RT | 733.73 |
| L | 60+02.89 | 55.00' RT | 733.73 |



US ROUTE 12



**DRIVEWAY AT
STA. 59 + 85.61 RT**



| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAND ROAD (US 12) ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 15 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 171 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 60+63.80 | 55.32' RT | 733.86 |
| B | 60+61.25 | 56.25' RT | 733.88 |
| C | 60+56.32 | 51.67' RT | 734.07 |
| D | 60+55.16 | 58.47' RT | 734.33 |
| E | 60+38.20 | 64.70' RT | 734.50 |
| F | 60+33.64 | 66.39' RT | 734.58 |
| G | 60+29.15 | 55.00' RT | 734.09 |
| H | 60+32.41 | 50.00' RT | 734.02 |
| I | 60+35.47 | 71.04' RT | 734.66 |
| J | 60+40.02 | 69.35' RT | 734.58 |
| K | 60+56.85 | 63.17' RT | 734.40 |
| L | 60+64.18 | 60.50' RT | 733.94 |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| M | 60+66.62 | 59.61' RT | 733.92 |
| N | 60+66.51 | 66.02' RT | 734.43 |
| O | 60+39.57 | 81.51' RT | 735.16 |
| P | 60+44.07 | 79.71' RT | 735.10 |
| Q | 60+49.30 | 93.13' RT | 735.66 |
| R | 60+43.07 | 91.99' RT | 735.70 |
| S | 60+13.49 | 50.00' RT | 734.16 |
| T | 60+13.44 | 55.00' RT | 734.23 |

US ROUTE 12

EDGE OF RESURFACING LIMITS

SEE ADA RAMP DETAILS SHEET 171

DRIVEWAY AT
STA. 59 + 85.60 RT

* MATCH EXISTING

MATCHLINE SEE ADA
RAMP DETAILS SHEET 159

IL 68 (DUNDEE ROAD)

T&IE

USER NAME = Guest_2
PLOT SCALE = 10.0000' / in.
PLOT DATE = 2/13/2019

DESIGNED - RDT
DRAWN - RDT
CHECKED - MHL
DATE - 10/01/17

REVISED -
REVISED -
REVISED -
REVISED -

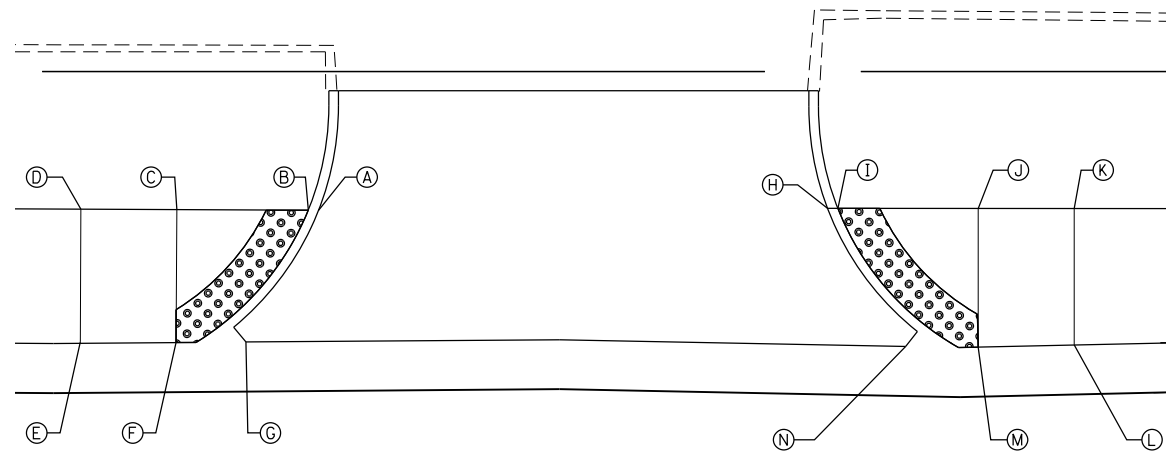
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAND ROAD (US 12) ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 16 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 172 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 65+64.08 | 42.77' LT | 727.66 |
| B | 65+63.55 | 42.78' LT | 727.66 |
| C | 65+56.70 | 42.81' LT | 727.77 |
| D | 65+51.70 | 42.83' LT | 728.18 |
| E | 65+51.67 | 35.91' LT | 728.08 |
| F | 65+56.67 | 35.89' LT | 727.68 |
| G | 65+60.30 | 35.91' LT | 727.63 |
| H | 65+90.60 | 42.87' LT | 727.40 |
| I | 65+91.14 | 42.87' LT | 727.41 |
| J | 65+98.45 | 42.87' LT | 727.45 |
| K | 66+03.45 | 42.87' LT | 727.79 |
| L | 66+03.45 | 35.76' LT | 727.69 |
| M | 65+98.45 | 35.65' LT | 727.36 |
| N | 65+94.67 | 35.68' LT | 727.34 |

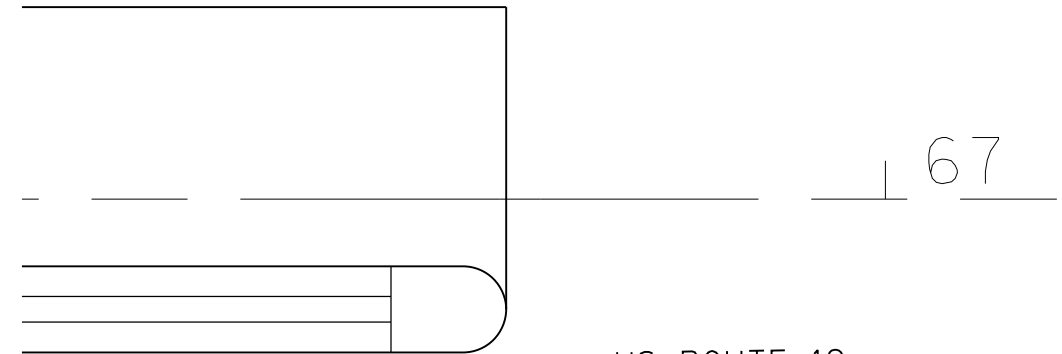


US ROUTE 12

66

**DRIVEWAY AT
STA. 65 + 75.00 LT**

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 66+70.02 | 41.76' RT | 727.30 |
| B | 66+68.23 | 41.75' RT | 727.32 |
| C | 65+62.62 | 41.74' RT | 727.70 |
| D | 65+62.61 | 46.74' RT | 727.79 |
| E | 66+68.22 | 46.75' RT | 727.41 |
| F | 66+71.44 | 46.76' RT | 727.39 |
| G | 66+93.09 | 41.59' RT | 727.60 |
| H | 66+94.88 | 41.60' RT | 727.62 |
| I | 67+02.62 | 41.63' RT | 727.97 |
| J | 67+02.60 | 46.63' RT | 728.06 |
| K | 66+94.86 | 46.60' RT | 727.71 |
| L | 66+91.61 | 46.58' RT | 727.69 |



US ROUTE 12

67

**DRIVEWAY AT
STA. 66 + 80.67 RT**



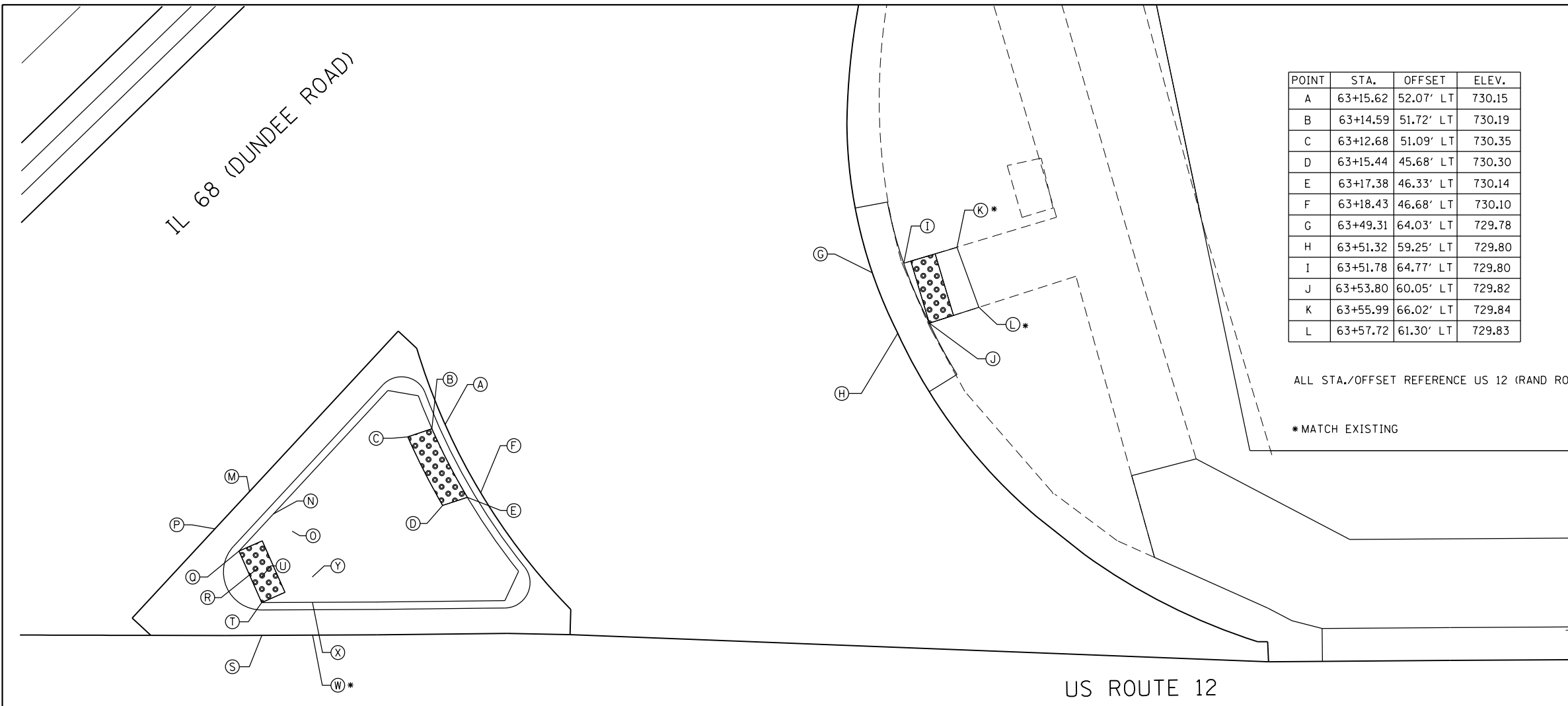
| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAND ROAD (US 12) ADA RAMP DETAILS

SCALE: 1" = 5' SHEET 17 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 173 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



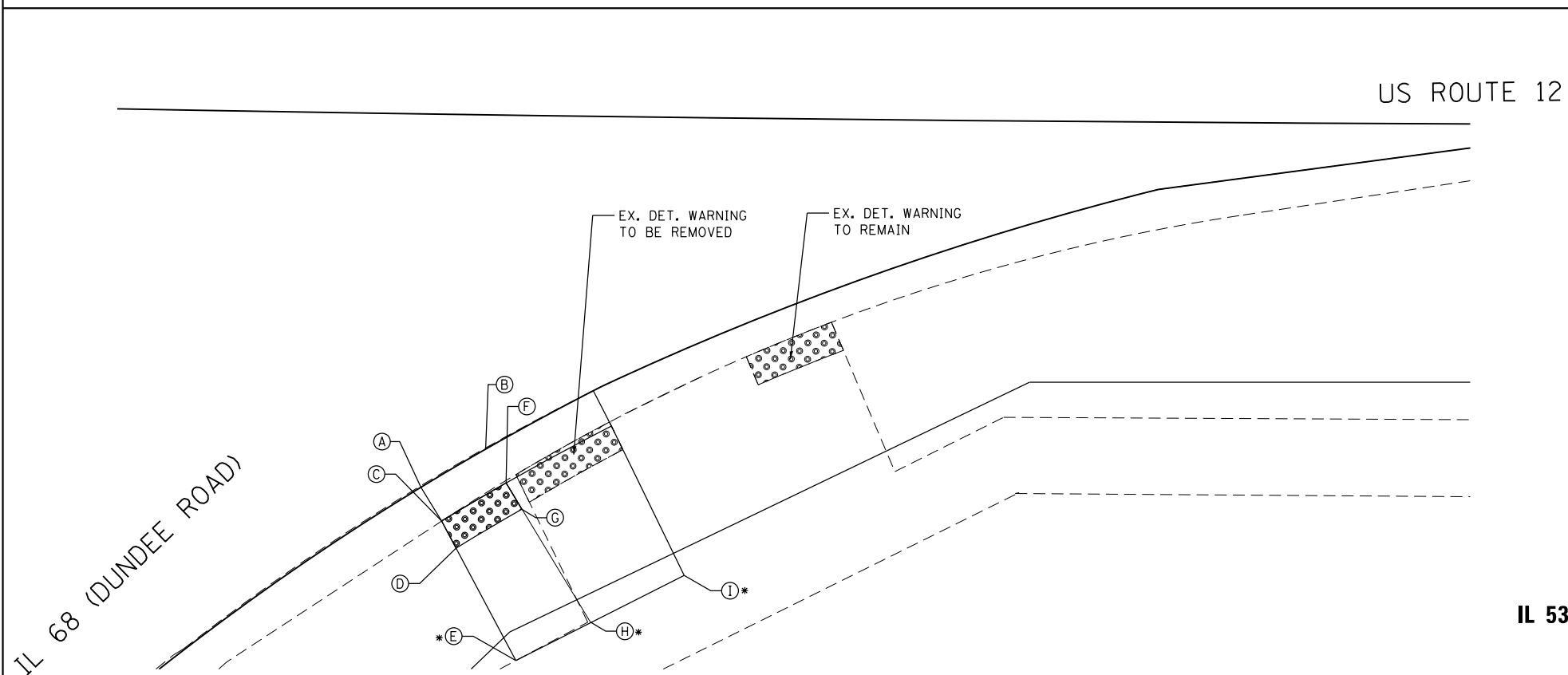
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 63+15.62 | 52.07' LT | 730.15 |
| B | 63+14.59 | 51.72' LT | 730.19 |
| C | 63+12.68 | 51.09' LT | 730.35 |
| D | 63+15.44 | 45.68' LT | 730.30 |
| E | 63+17.38 | 46.33' LT | 730.14 |
| F | 63+18.43 | 46.68' LT | 730.10 |
| G | 63+49.31 | 64.03' LT | 729.78 |
| H | 63+51.32 | 59.25' LT | 729.80 |
| I | 63+51.78 | 64.77' LT | 729.80 |
| J | 63+53.80 | 60.05' LT | 729.82 |
| K | 63+55.99 | 66.02' LT | 729.84 |
| L | 63+57.72 | 61.30' LT | 729.83 |

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| M | 63+00.17 | 46.77' LT | 730.41 |
| N | 63+02.08 | 45.02' LT | 730.42 |
| O | 63+03.55 | 43.66' LT | 730.50 |
| P | 62+97.43 | 43.84' LT | 730.43 |
| Q | 62+99.34 | 42.08' LT | 730.44 |
| R | 63+00.82 | 40.72' LT | 730.46 |
| S | 63+01.15 | 35.44' LT | 730.23 |
| T | 63+01.14 | 38.02' LT | 730.25 |
| U | 63+01.13 | 40.02' LT | 730.41 |
| W | 63+05.17 | 35.46' LT | 730.17 |
| X | 63+05.16 | 38.04' LT | 730.19 |
| Y | 63+05.15 | 40.04' LT | 730.35 |

ALL STA./OFFSET REFERENCE US 12 (RAND ROAD)

*MATCH EXISTING

**IL 53 / IL 68 (DUNDEE ROAD) AT
US 12 (RAND ROAD)
SE CORNER**



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 61+67.82 | 49.17' RT | 732.03 |
| B | 61+72.59 | 50.29' RT | 731.94 |
| C | 61+67.26 | 51.69' RT | 732.05 |
| D | 61+66.72 | 53.62' RT | 732.18 |
| E | 61+64.45 | 61.62' RT | 732.70 |
| F | 61+72.02 | 52.81' RT | 731.96 |
| G | 61+71.58 | 54.76' RT | 732.09 |
| H | 63+51.32 | 63.17' RT | 732.60 |
| I | 63+51.78 | 65.22' RT | 732.47 |

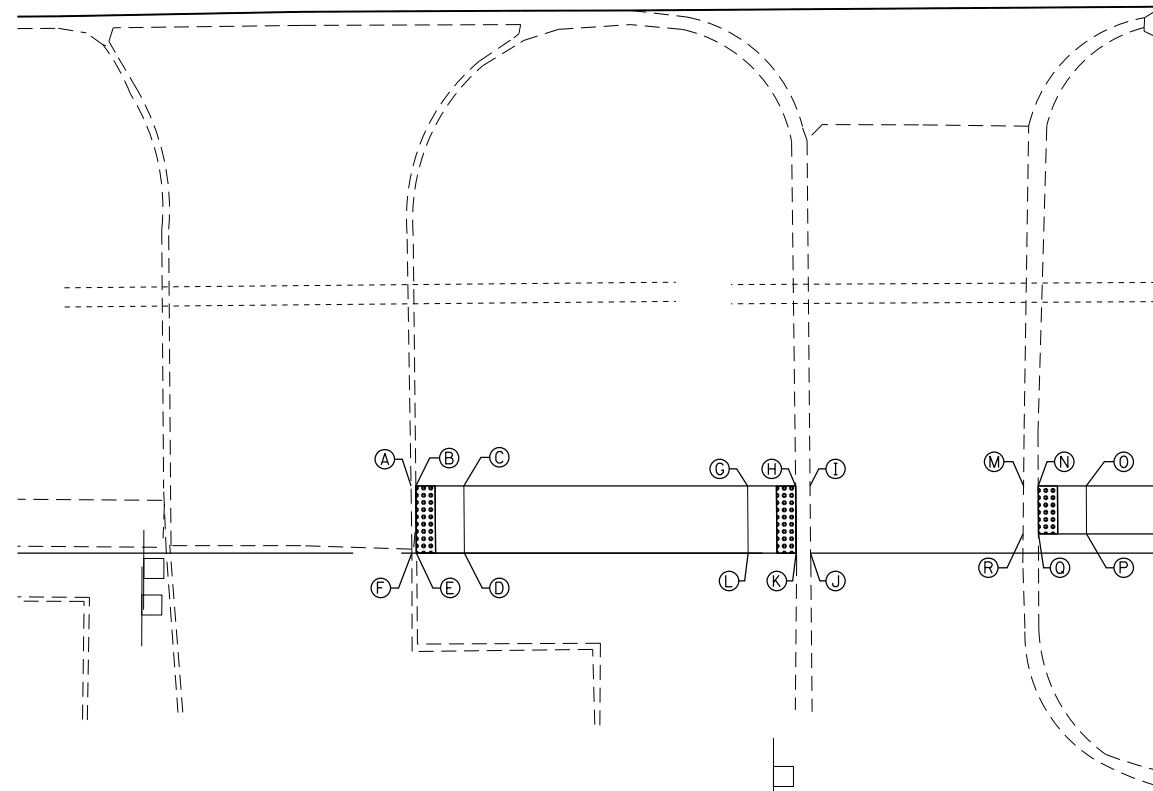
ALL STA./OFFSET REFERENCE DUNDEE ROAD
*MATCH EXISTING

**IL 53 / IL 68 (DUNDEE ROAD) AT
US 12 (RAND ROAD)
SW CORNER**

| | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|---|---|-------------|---------|--------|--------------|-----------|-----|----------|------|-----|-----|--------------------|--|--|--|--|
| USER NAME = Guest_2 PLOT SCALE = 10.0000' / in. PLOT DATE = 4/26/2019 | DESIGNED - RDT DRAWN - RDT CHECKED - MHL DATE - 10/01/17 | REVISED - REVISED - REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RAND ROAD (US 12) ADA RAMP DETAILS | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">F.A.P. RTE.</td> <td style="font-size: 8px;">SECTION</td> <td style="font-size: 8px;">COUNTY</td> <td style="font-size: 8px;">TOTAL SHEETS</td> <td style="font-size: 8px;">SHEET NO.</td> </tr> <tr> <td style="font-size: 8px;">343</td> <td style="font-size: 8px;">3041-N-2</td> <td style="font-size: 8px;">COOK</td> <td style="font-size: 8px;">226</td> <td style="font-size: 8px;">174</td> </tr> <tr> <td colspan="5" style="text-align: center; font-size: 8px;">CONTRACT NO. 62A26</td> </tr> </table> | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | 343 | 3041-N-2 | COOK | 226 | 174 | CONTRACT NO. 62A26 | | | | |
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | | | | | | | | | | | | | | | |
| 343 | 3041-N-2 | COOK | 226 | 174 | | | | | | | | | | | | | | | | |
| CONTRACT NO. 62A26 | | | | | | | | | | | | | | | | | | | | |
| SCALE: 1" = 5' | | SHEET 18 OF 19 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | | | | | | | | | | | | | |

FILE NAME = D162A26-shr-ADAdetails-18.dgn
Default

IL 68 (DUNDEE ROAD)



**DRIVEWAYS AT
STA. 89+62 RT AND 90+26 RT**

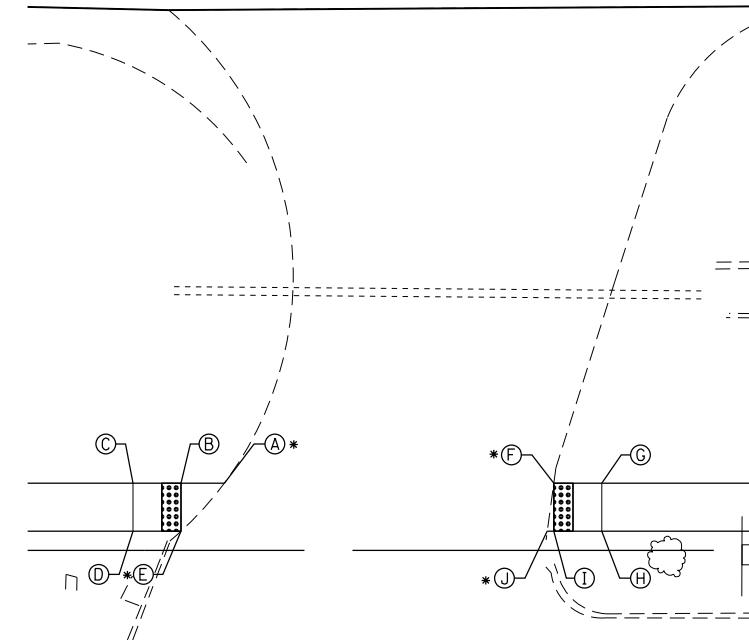
| POINT | STA. | OFFSET | ELEV. |
|-------|----------|------------|--------|
| A | 89+73.64 | 93.00' RT | 731.85 |
| B | 89+74.15 | 93.00' RT | 731.84 |
| C | 89+79.15 | 93.00' RT | 731.79 |
| D | 89+74.21 | 100.00' RT | 731.71 |
| E | 89+74.21 | 100.00' RT | 731.74 |
| F | 89+73.74 | 100.00' RT | 731.73 |
| G | 90+08.73 | 93.00' RT | 731.02 |
| H | 90+13.73 | 93.00' RT | 730.93 |
| I | 90+15.23 | 93.00' RT | 730.92 |
| J | 90+15.29 | 100.00' RT | 730.89 |
| K | 90+13.78 | 100.00' RT | 730.91 |
| L | 90+08.78 | 100.00' RT | 731.00 |
| M | 90+37.47 | 93.00' RT | 730.71 |
| N | 90+39.00 | 93.00' RT | 730.72 |
| O | 90+44.00 | 93.00' RT | 731.10 |
| P | 90+44.02 | 98.00' RT | 731.15 |
| Q | 90+39.02 | 98.00' RT | 730.72 |
| R | 90+37.43 | 98.00' RT | 730.71 |



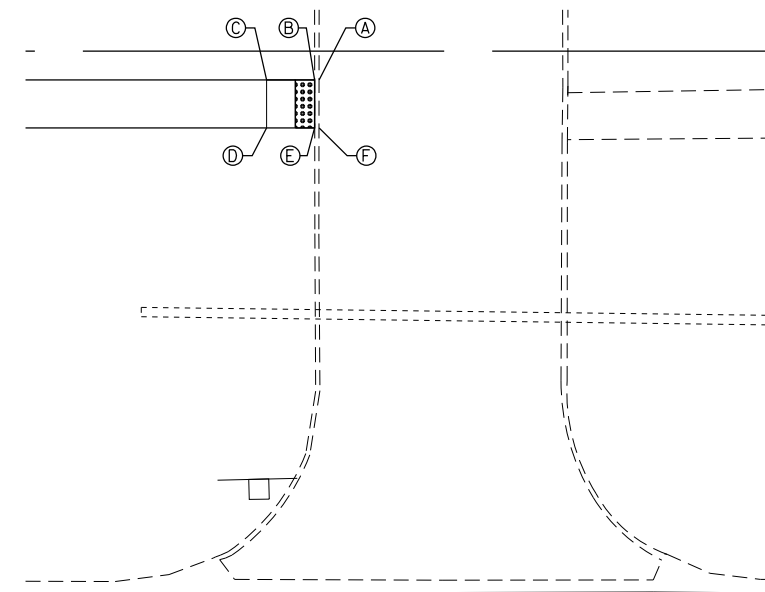
IL 68 (DUNDEE ROAD)

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 92+15.21 | 93.00' RT | 730.99 |
| B | 92+10.69 | 93.00' RT | 731.07 |
| C | 92+05.69 | 93.00' RT | 731.02 |
| D | 92+05.69 | 98.00' RT | 731.10 |
| E | 92+10.69 | 98.00' RT | 731.16 |
| F | 92+49.54 | 93.00' RT | 730.75 |
| G | 92+54.54 | 93.00' RT | 730.53 |
| H | 92+54.54 | 98.00' RT | 730.60 |
| I | 92+49.54 | 98.00' RT | 730.87 |
| J | 92+48.85 | 98.00' RT | 730.90 |

* MATCH EXISTING



**DRIVEWAY AT
STA. 92+32 RT**



IL 68 (DUNDEE ROAD)

**DRIVEWAY AT
STA. 92+89 LT**

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 92+76.38 | 97.00' LT | 730.76 |
| B | 92+75.90 | 97.00' LT | 730.76 |
| C | 92+70.90 | 97.00' LT | 730.80 |
| D | 92+70.91 | 92.00' LT | 730.76 |
| E | 92+75.91 | 92.00' LT | 730.71 |
| F | 92+76.37 | 92.00' LT | 730.70 |



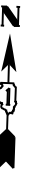
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| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

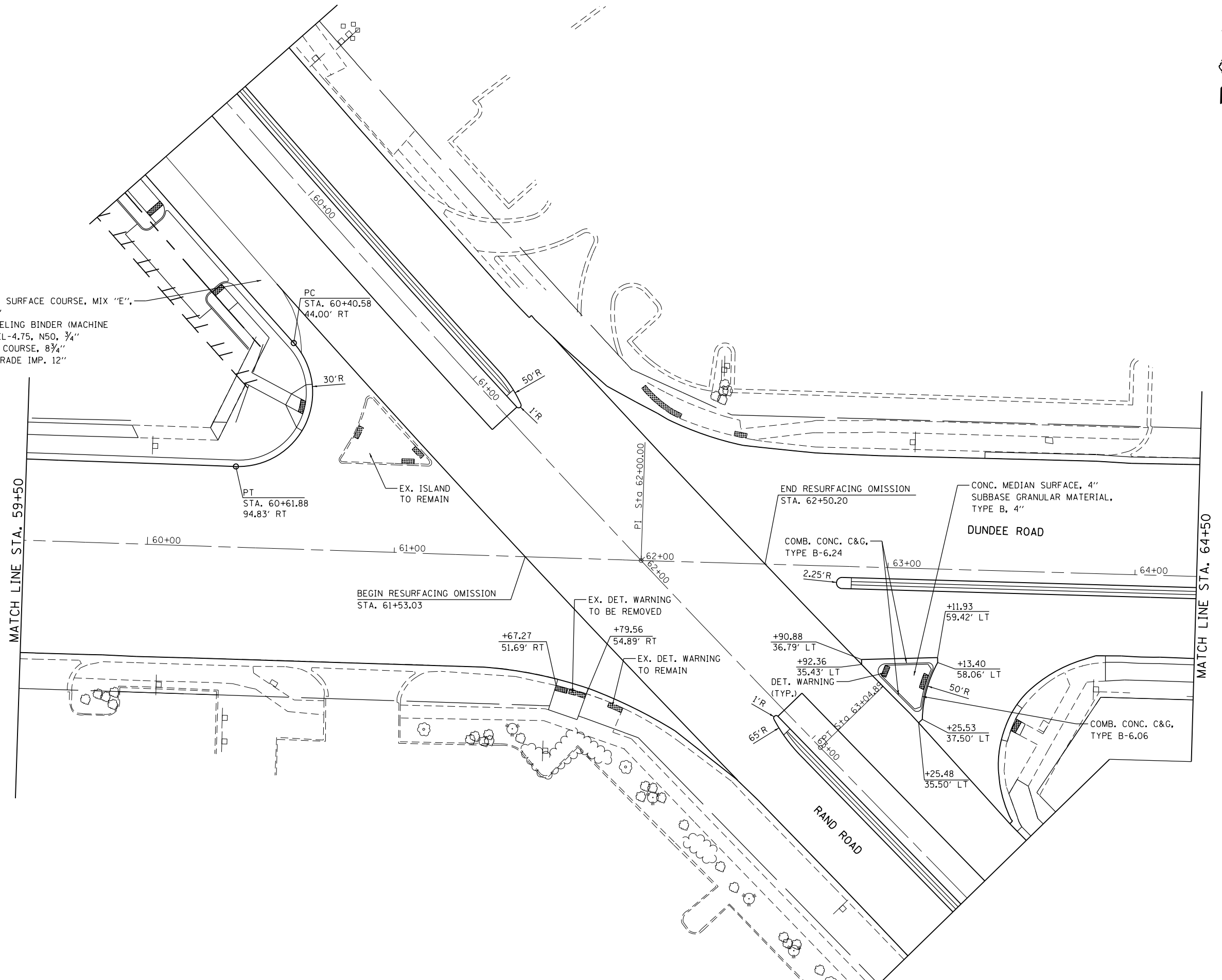
IL 53 / IL 68 ADA RAMP DETAILS

SCALE: 1" = 10' SHEET 19 OF 19 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 175 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



POLY. HMA SURFACE COURSE, MIX "E",
 N70, 1 3/4"
 POLY. LEVELING BINDER (MACHINE
 METHOD), IL-4.75, N50, 3/4"
 HMA BASE COURSE, 8 3/4"
 AGG. SUBGRADE IMP. 12"



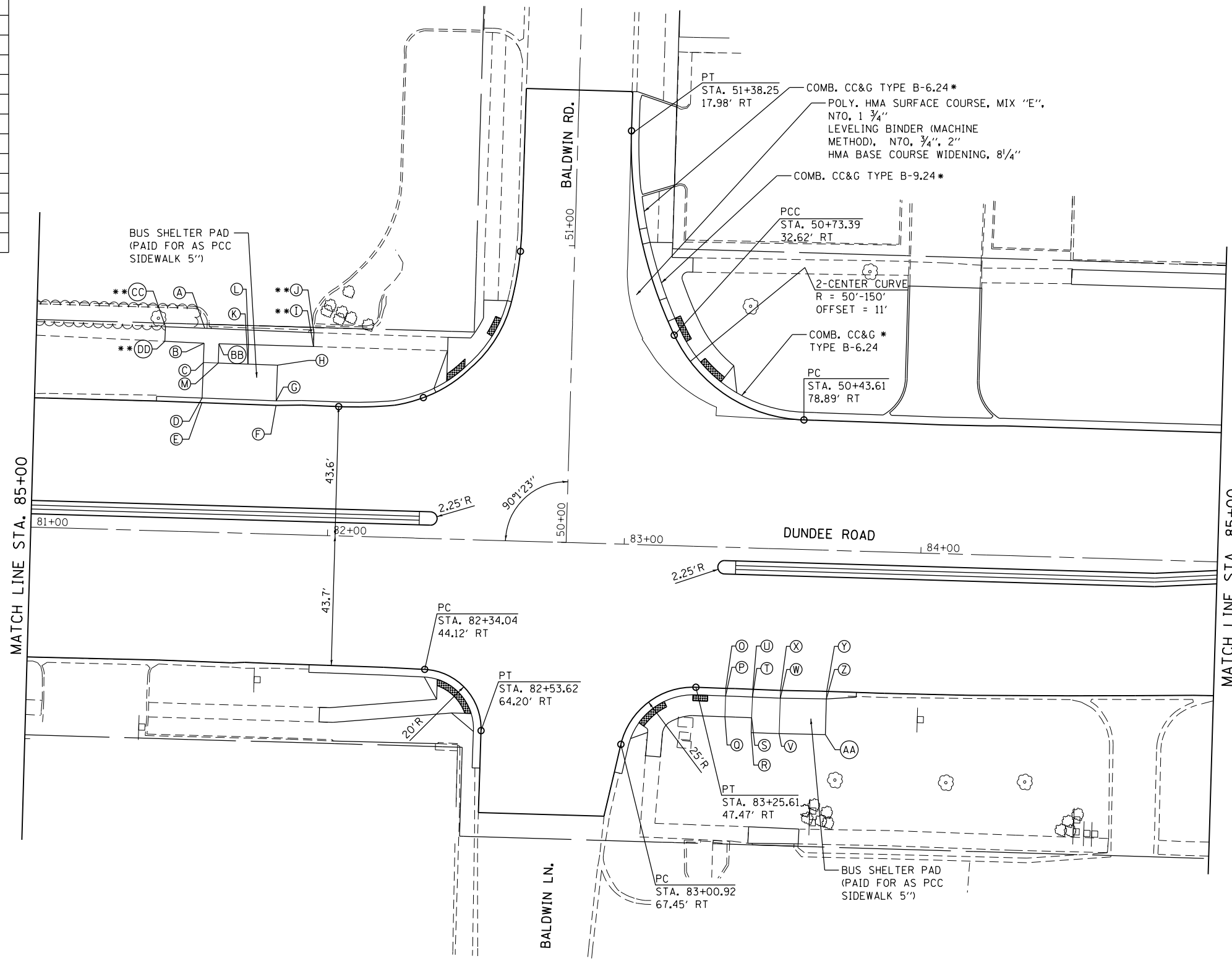
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|-----------------------------|-----------------|-----------|---|---|---------------------|--------------|--------------------|------------------|-------------|------------------|---------------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL 53 /IL 68 AND RAND ROAD (US 12) INTERSECTION DETAIL | | | F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 176 |
| PLOT SCALE = 40.0000' / in. | CHECKED - MHL | REVISED - | | SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. TO STA. | CONTRACT NO. 62A26 | | | | |
| PLOT DATE = 4/25/2019 | DATE - 10/01/17 | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | |

FILE NAME = D162A26-sht-intdetails-01.dgn
 Default

| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| A | 81+56.65 | 68.66' LT | 732.90 |
| B | 81+56.60 | 63.59' LT | 732.62 |
| C | 81+62.54 | 57.16' LT | 731.98 |
| D | 81+62.54 | 45.09' LT | 731.74 |
| E | 81+62.54 | 43.50' LT | 731.30 |
| F | 81+81.42 | 43.33' LT | 731.44 |
| G | 81+81.44 | 44.92' LT | 731.88 |
| H | 81+81.54 | 56.92' LT | 732.08 |
| I | 81+93.42 | 63.57' LT | 732.74 |
| J | 81+93.46 | 68.21' LT | 732.82 |
| K | 81+71.55 | 57.01' LT | 732.04 |
| L | 81+71.55 | 63.58' LT | 732.50 |
| M | 81+61.55 | 57.10' LT | 732.10 |
| BB | 81+61.60 | 63.59' LT | 732.45 |
| CC | 81+43.41 | 68.80' LT | 732.98 |
| DD | 81+43.37 | 63.88' LT | 732.69 |

** MATCH EXISTING

* SEE ADA RAMP DETAILS SHEET 10 FOR CURB TRANSITION DETAILS.



| POINT | STA. | OFFSET | ELEV. |
|-------|----------|-----------|--------|
| O | 83+35.69 | 47.55' RT | 732.55 |
| P | 83+35.69 | 50.13' RT | 733.00 |
| Q | 83+35.69 | 57.13' RT | 733.07 |
| R | 83+44.69 | 62.18' RT | 733.15 |
| S | 83+44.69 | 57.18' RT | 733.08 |
| T | 83+44.77 | 50.18' RT | 732.99 |
| U | 83+44.80 | 47.60' RT | 732.55 |
| V | 83+54.15 | 62.27' RT | 732.75 |
| W | 83+54.15 | 50.27' RT | 732.93 |
| X | 83+54.15 | 47.69' RT | 732.55 |
| Y | 83+69.71 | 47.54' RT | 732.58 |
| Z | 83+69.69 | 50.12' RT | 733.02 |
| AA | 83+69.69 | 62.10' RT | 732.84 |

| | | |
|-----------------------------|-----------------|-----------|
| USER NAME = Guest_2 | DESIGNED - RDT | REVISED - |
| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 39.9999' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 5/31/2019 | DATE - 10/01/17 | REVISED - |

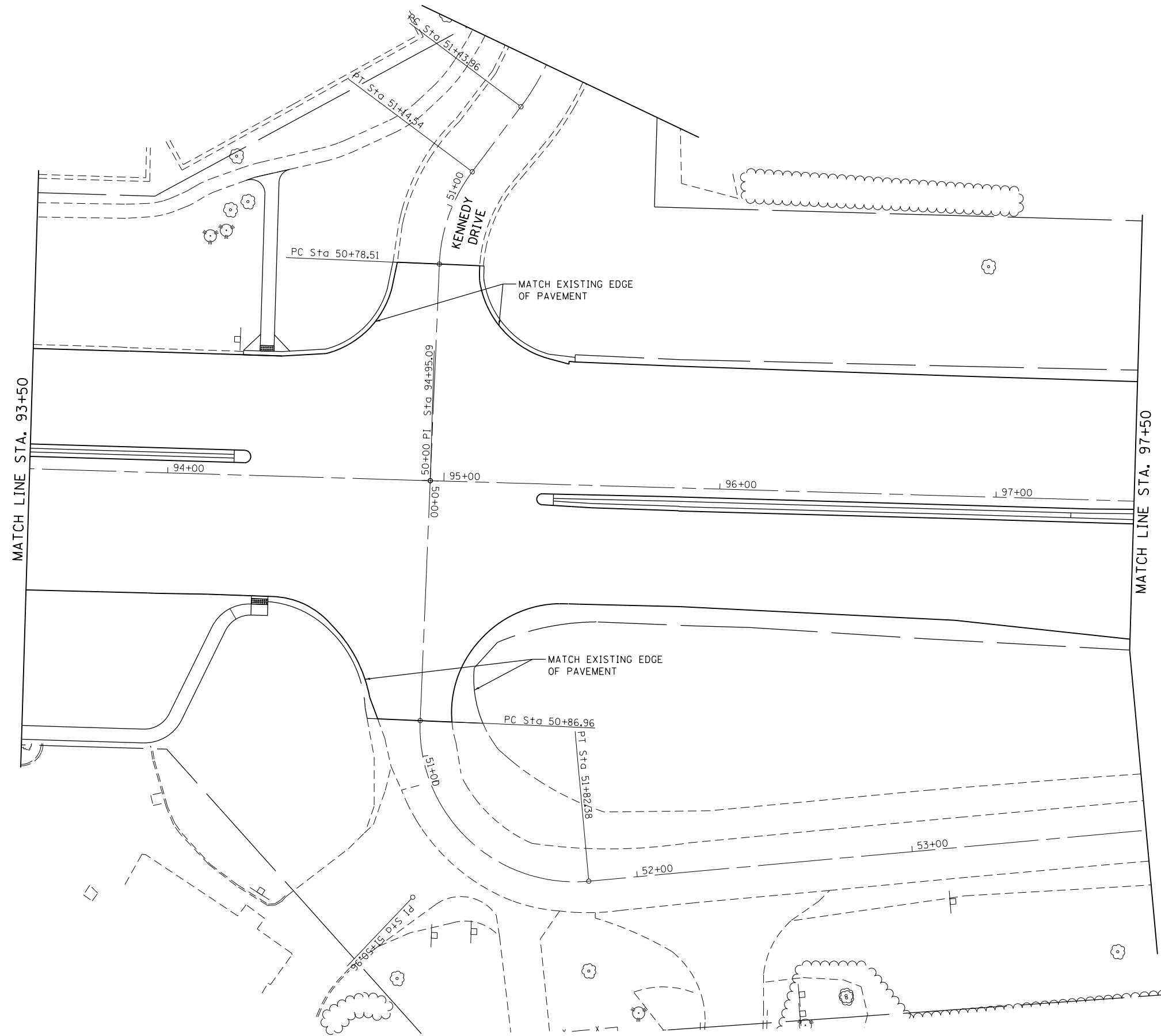
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 53 / IL 68 AND BALDWIN ROAD
INTERSECTION DETAIL**

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------------|-------------|------------------|---------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 177 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

FILE NAME = D162A26-sht-intdetails-02.dgn
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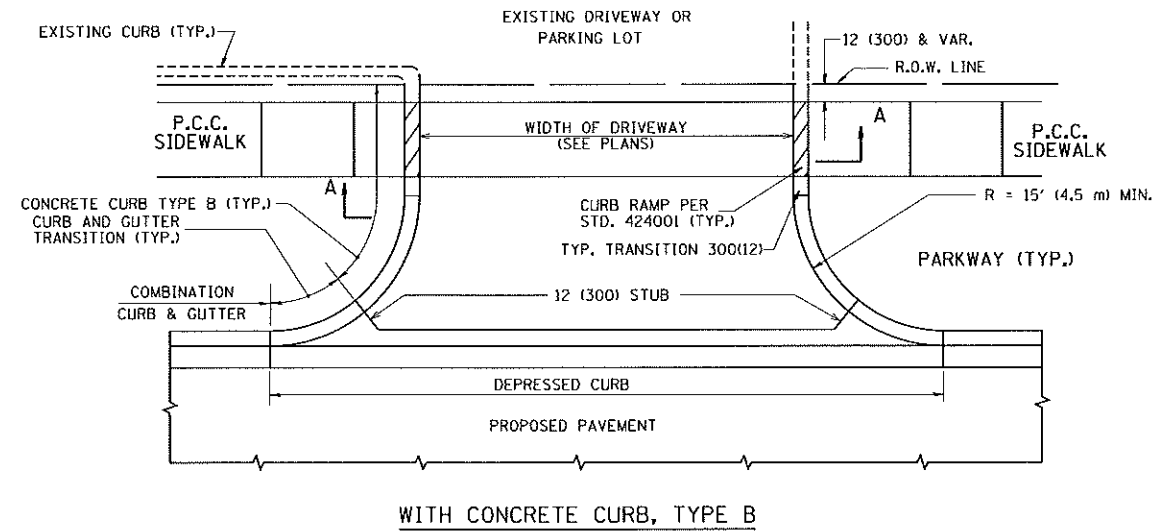
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| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 39.9999' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 5/31/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

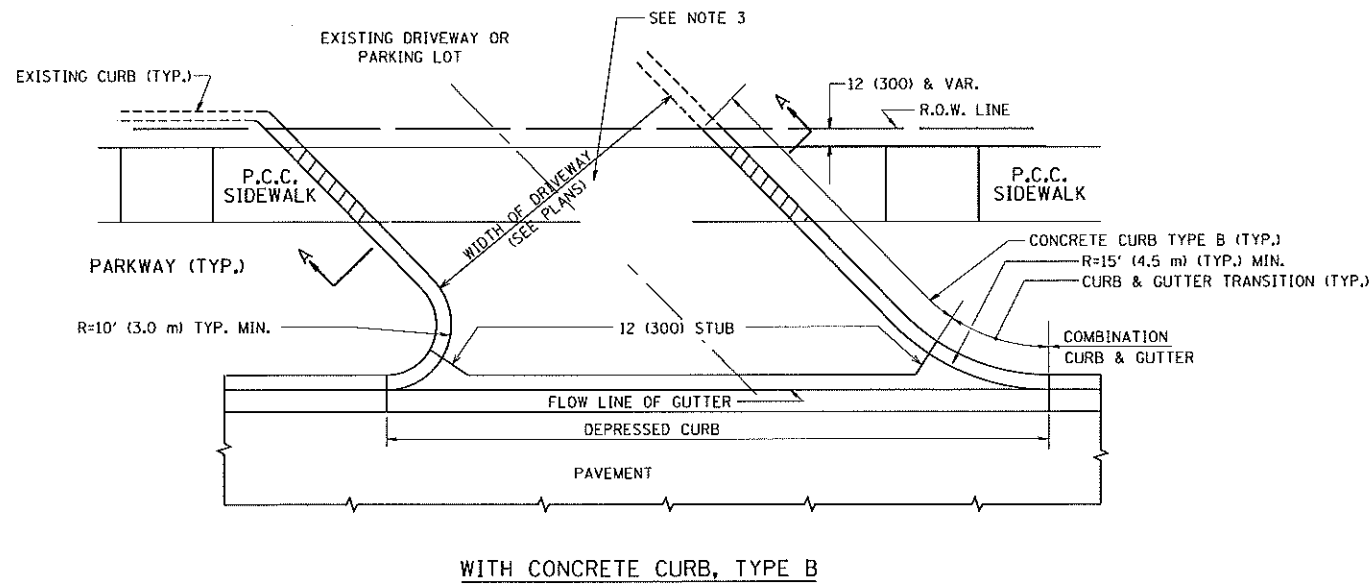
**IL 53 / IL 68 AT KENNEDY DRIVE AND FRONTAGE ROAD
INTERSECTION DETAIL**

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. TO STA.

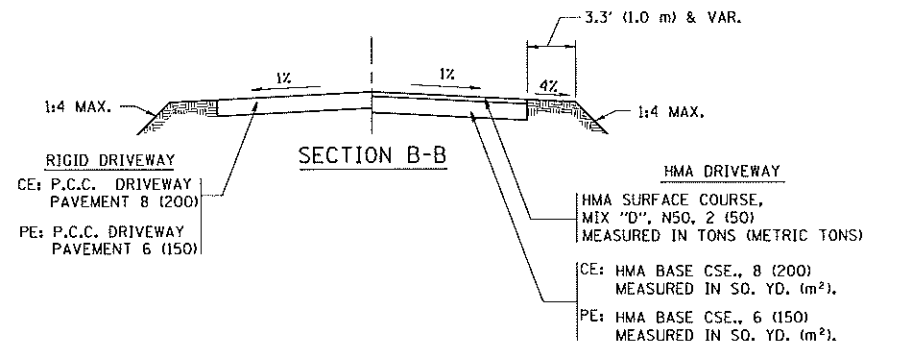
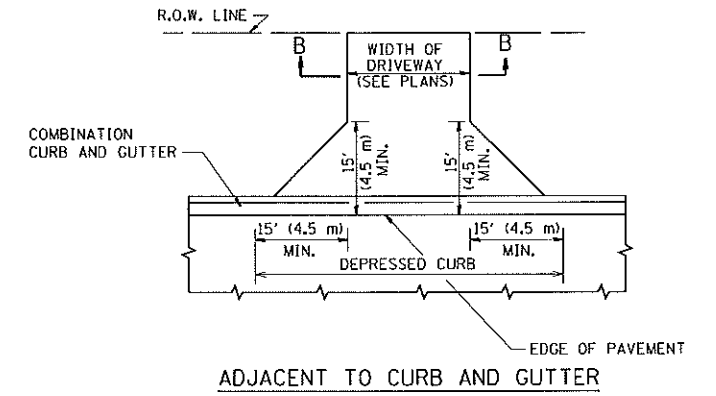
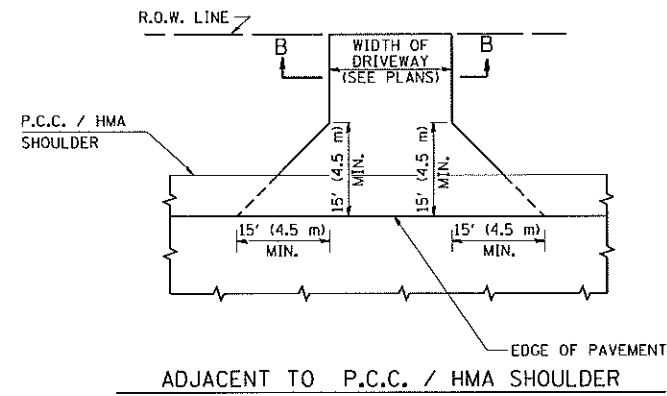
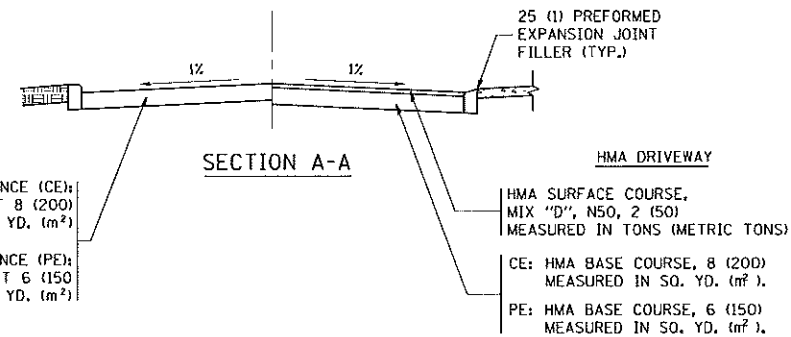
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|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 178 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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.

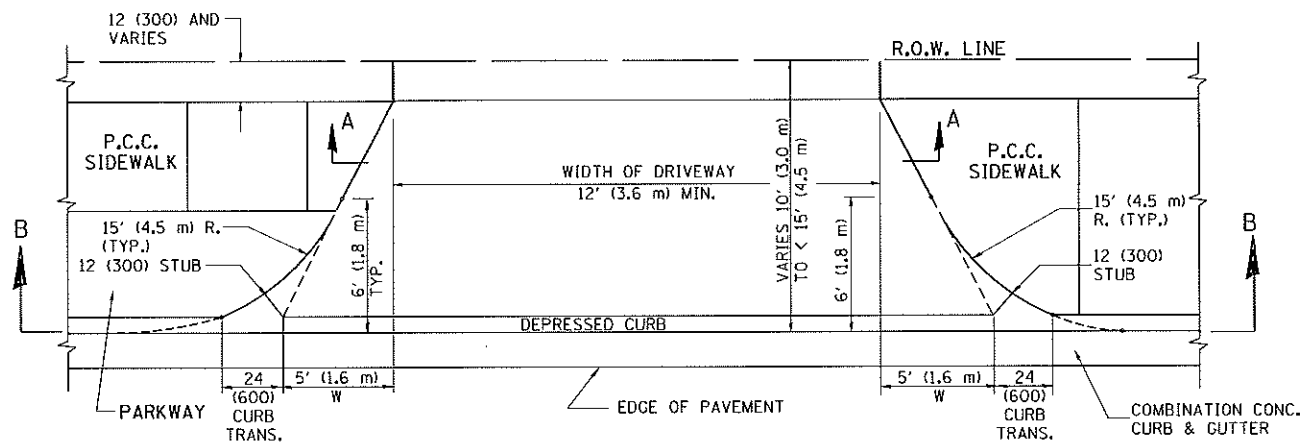
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

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.

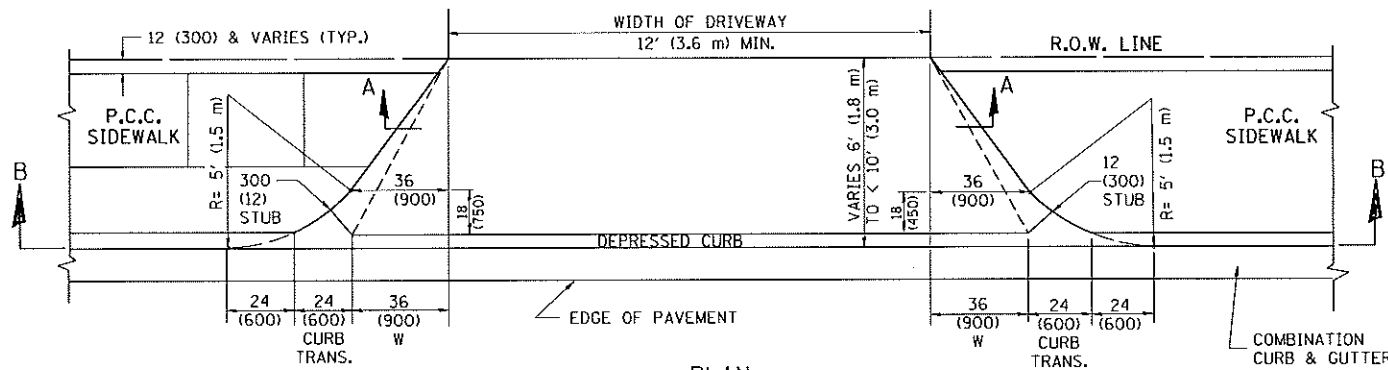
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| c:\p\work\p\dot\lryso\08188315\bd01.dgn | | DRAWN - | REVISED - R. BORO 01-01-07 |
| | PLLOT SCALE = 50.0000' / 1" = | CHECKED - | REVISED - R. BORO 06-11-08 |
| | PLLOT DATE = 9/6/2011 | DATE - 11-04-95 | REVISED - R. BORO 09-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

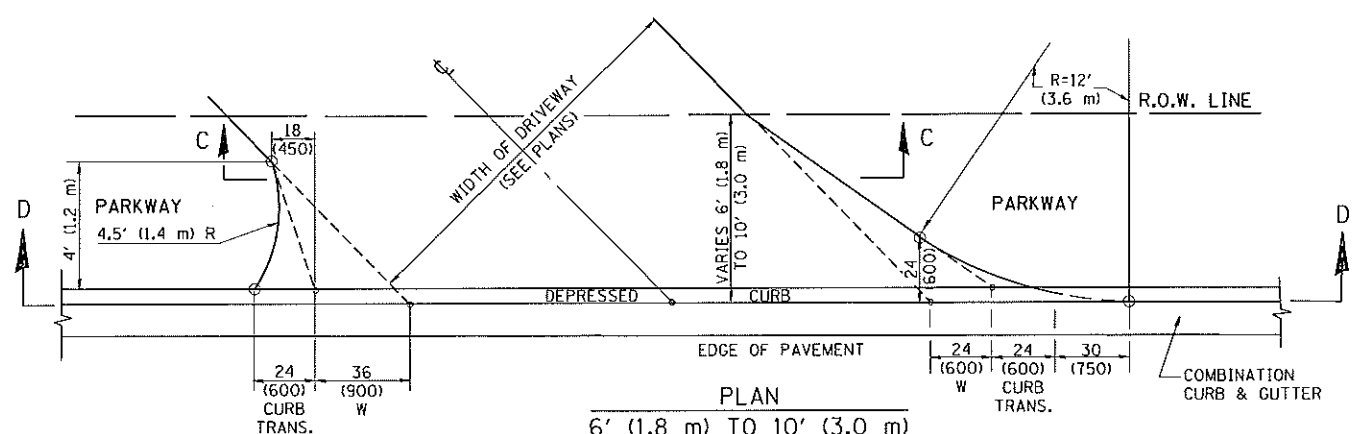
| | | | | | | |
|--|--|--------------------|---------|---|--------------|-----------|
| DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m) | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| SCALE: NONE | | BDD0156-07 (BD-01) | | | 226 | 179 |
| SHEET NO. 1 OF 1 SHEETS | | CONTRACT NO. | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | |



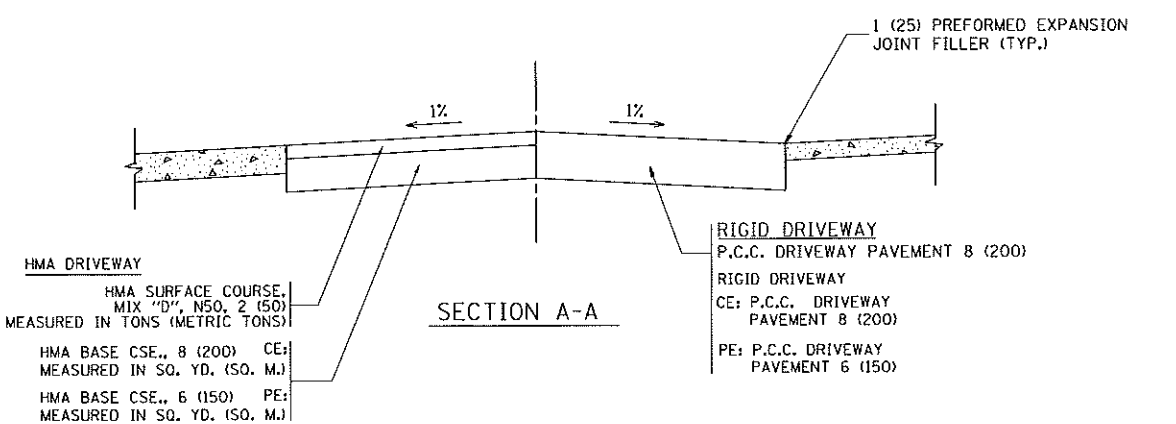
PLAN
10' (3.0 m) TO < 15' (4.5 m)



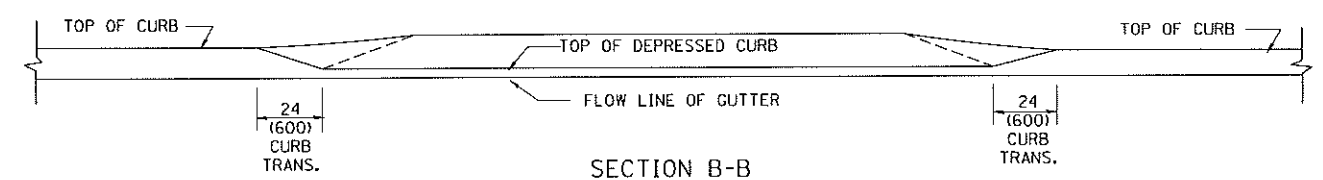
PLAN
6' (1.8 m) TO < 10' (3.0 m)



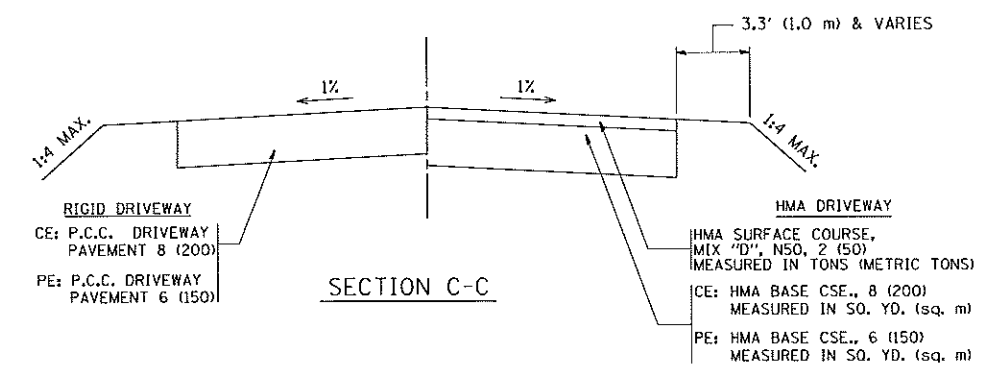
PLAN
6' (1.8 m) TO 10' (3.0 m)



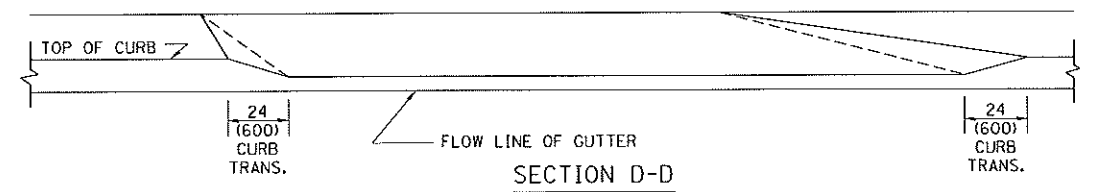
SECTION A-A



SECTION B-B



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).

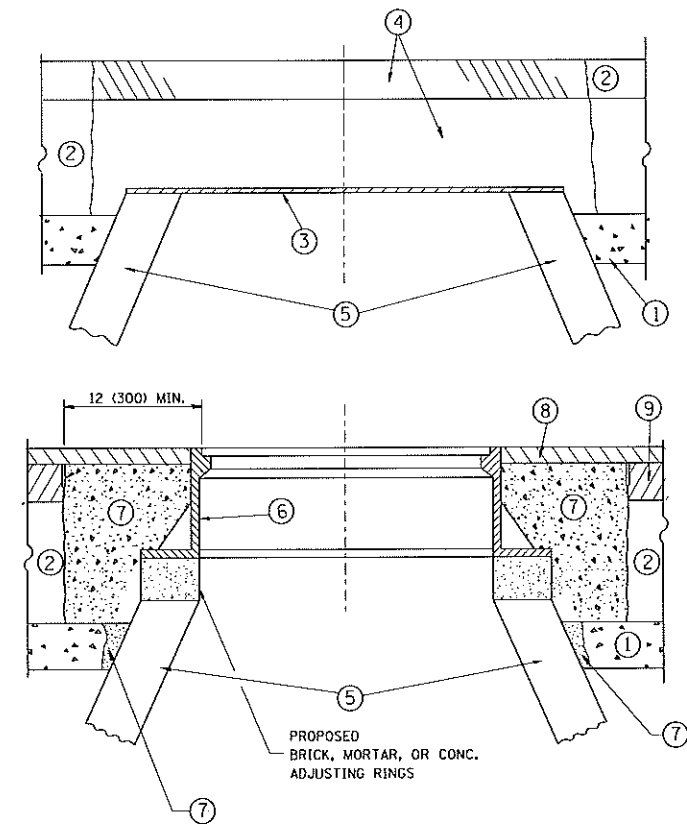
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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| cd:\pwork\p1001\lsgs\10118915\bd02.dgn | | DRAWN - | REVISED - P. LaFLEUR 04-15-03 |
| | PLOT SCALE = 50.0000' / in. | CHECKED - | REVISED - R. BORO 01-01-07 |
| | PLOT DATE = 10/28/2011 | 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' (4.5 m) | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS |
| STA. | TO STA. |

| | | | | |
|---|------------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | BD400-02 (BD-02) | | 226 | 180 |
| FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT | | | CONTRACT NO. | |



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

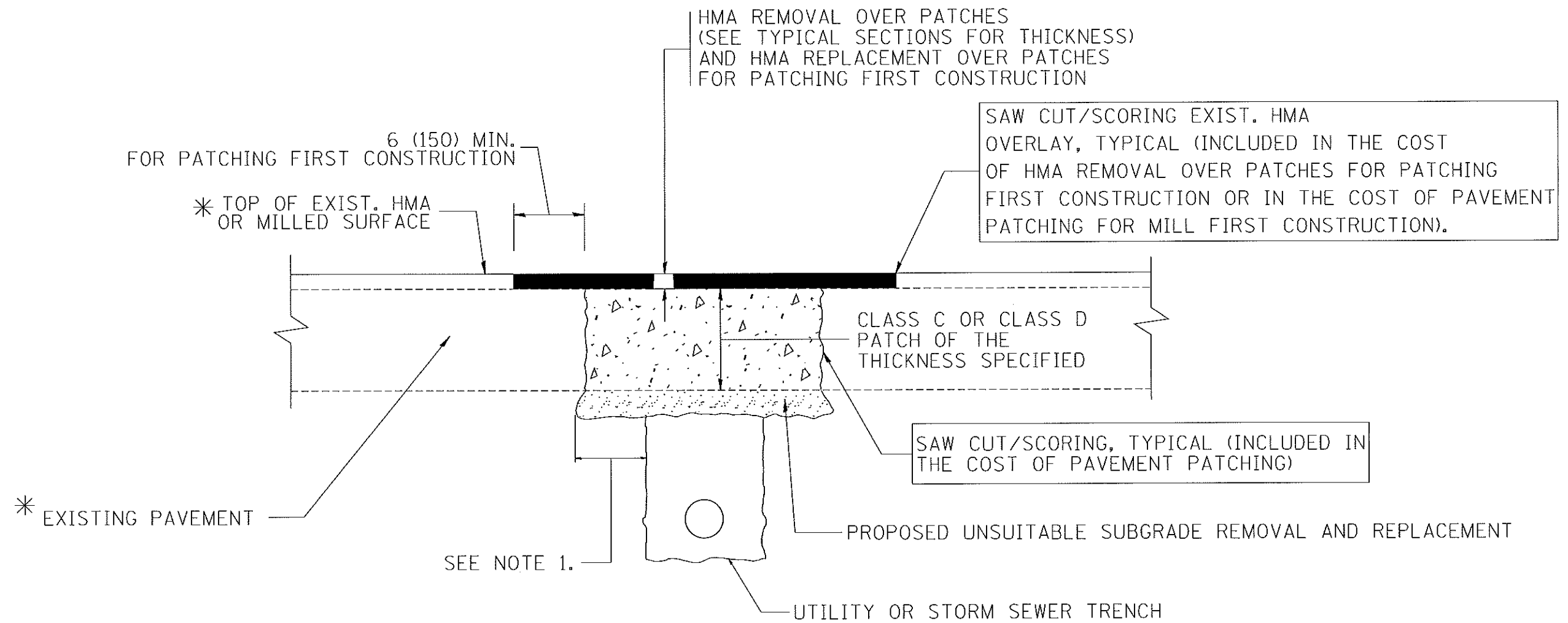
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | |
|---|---------------------------|--------------------|--------------------------------|
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| ct:\pwork\pdoc\baerd\108188315\bd28.dgn | | DRAWN - | REVISED - R. BORO 01-01-07 |
| | PLOT SCALE = 1/8" = 1'-0" | CHECKED - | REVISED - R. BORO 03-09-11 |
| | PLOT DATE = 12/6/2011 | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|--|-------------------------|
| DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS |
| STA. | TO STA. |

| | | | | |
|---|---------|--------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 226 | 181 |
| BD600-03 (BD-8) | | CONTRACT NO. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

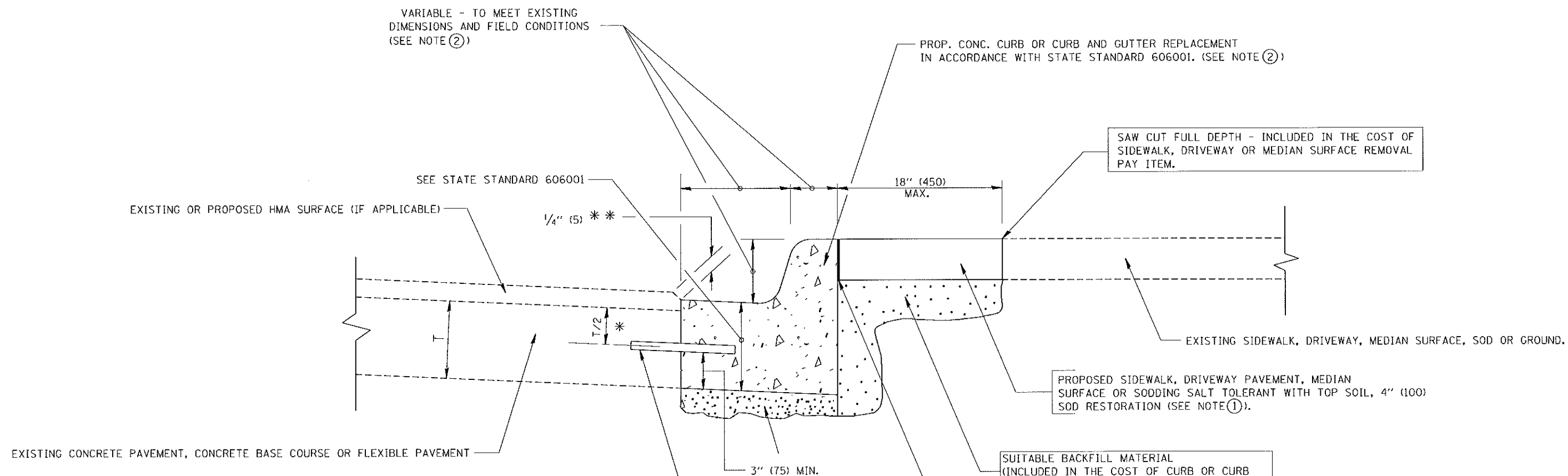
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

| | | | | | | | | | | | | |
|--|----------------------------|--------------------|-----------------------------|---|--|-------------------------|------|-----------|------------------|--------------|--------------|-----------|
| FILE NAME = c:\projects\diststd22x34\bd22.dgn | USER NAME = bauer-d | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 50.000' / IN. | DRAWN - | REVISED - R. BORO 01-01-07 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | BD400-04 (BD-22) | CONTRACT NO. | 226 | 182 |
| | PLOT DATE = 10/27/2008 | CHECKED - | REVISED - R. BORO 09-04-07 | | | | | | | | | |
| | | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 | | | | | | | | | |



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
 SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,
 ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
 ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
 ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
 ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
 ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
 ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
 ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

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

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

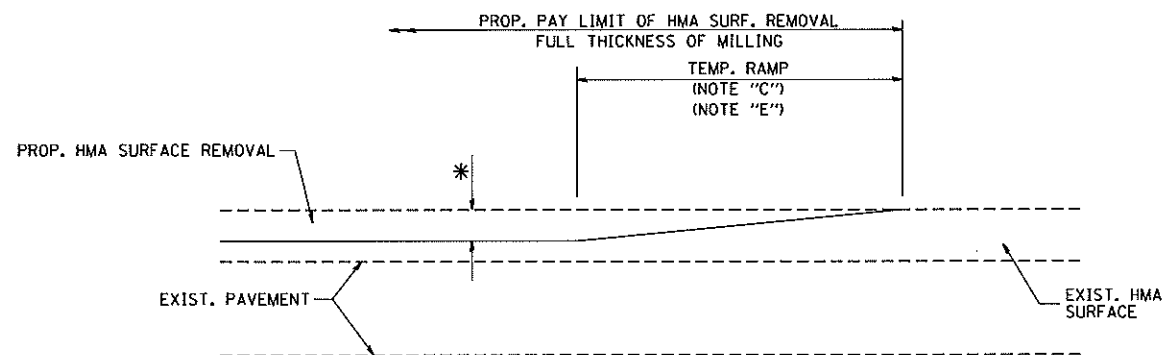
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

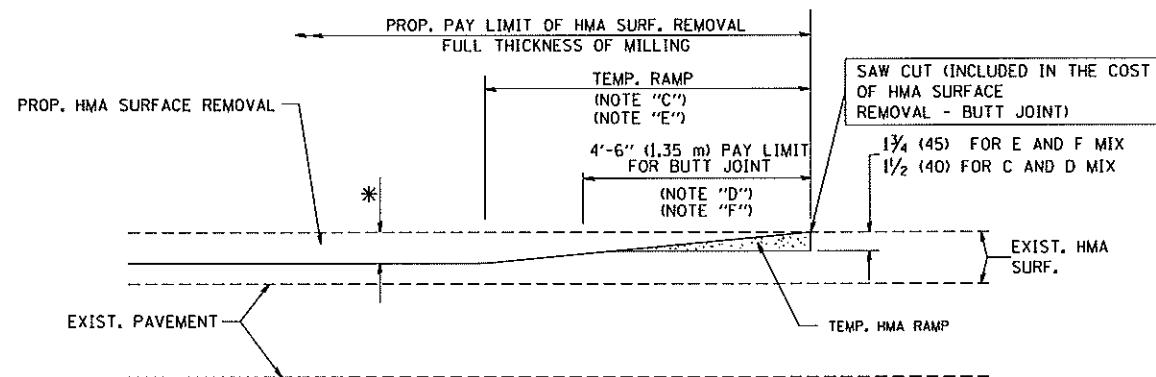
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| | | | | | | | | | | | | |
|---|----------------------------|----------------------|-----------------------------|---|--|-------------------------|------|-----------|------------------|--------------|--------------|-----------|
| FILE NAME * | USER NAME = drivakosgn | DESIGNED - A. HOUSEH | REVISED - R. SHAH 10-03-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| as\p\work\p\dot\drivakosgn\0100315\bd24.dgn | | DRAWN - | REVISED - A. ABBAS 03-21-97 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | BD600-06 (BD-24) | CONTRACT NO. | 226 | 183 |
| | PLOT SCALE = 50.000' / IN. | CHECKED - | REVISED - M. GOMEZ 01-22-01 | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| | PLOT DATE = 12/15/2009 | DATE - 03-11-94 | REVISED - R. BORO 12-15-09 | | | | | | | | | |



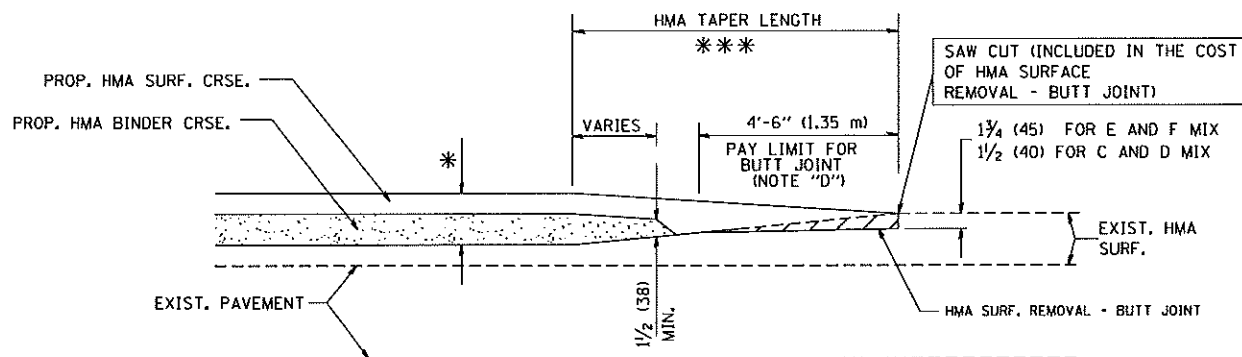
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



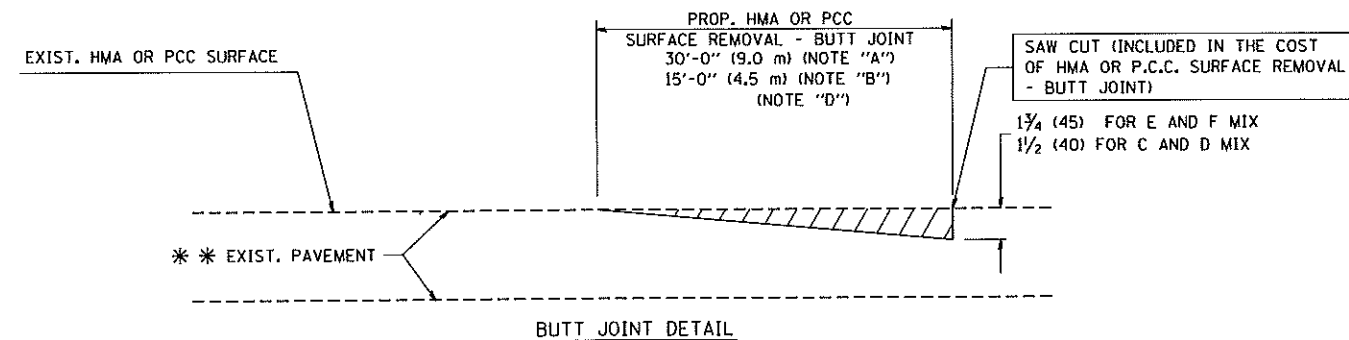
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP

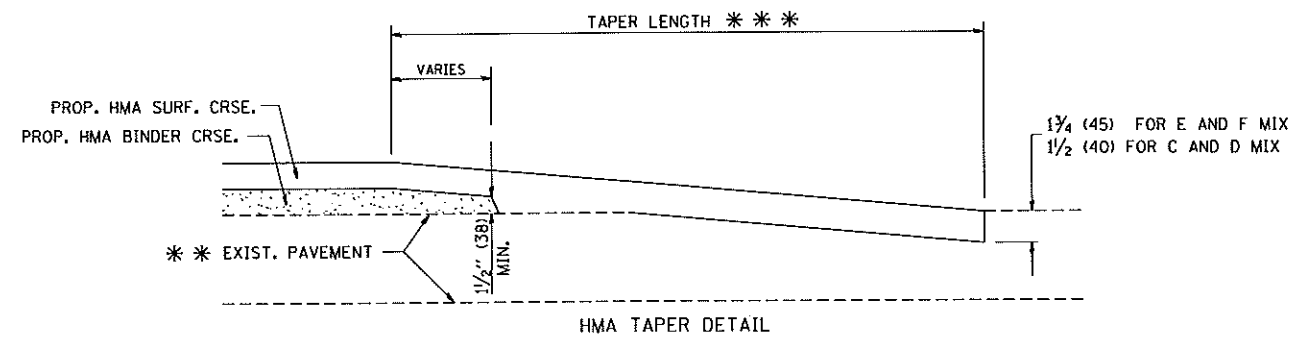


BUTT JOINT AND
HMA TAPER

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
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 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".

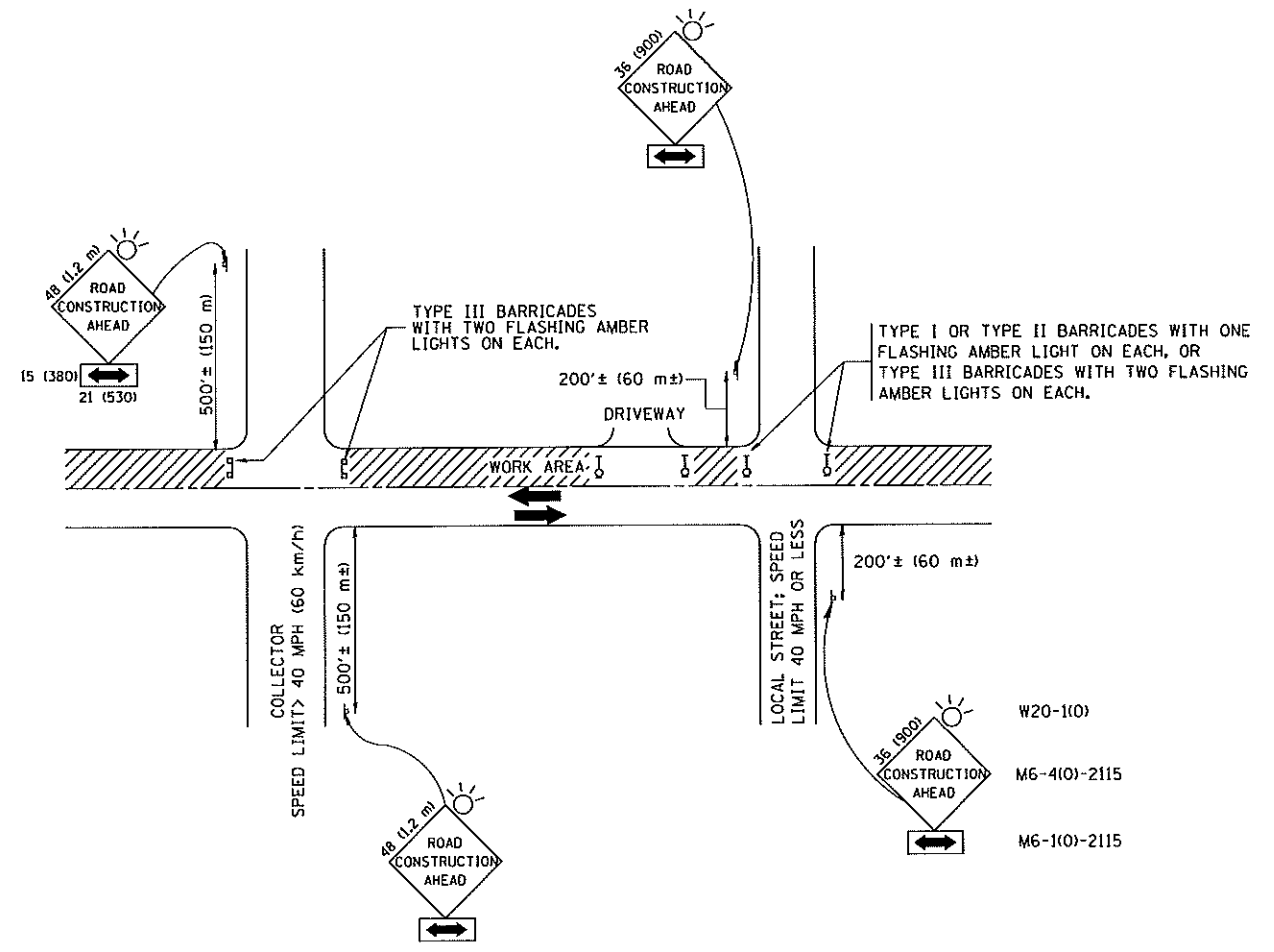
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| | | | |
|--|-----------------------------|-----------------------|-----------------------------|
| FILE NAME = W:\diststd\22x34\bd32.dgn | USER NAME = gaghenobt | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 |
| | | DRAWN - | REVISED - A. ABBAS 03-21-97 |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - M. GOMEZ 04-06-01 |
| | PLOT DATE = 1/4/2009 | DATE - 06-13-90 | REVISED - R. BORO 01-01-07 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|---|--|-------------------------|--|------|---------|
| SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | | STA. | TO STA. |
| BUTT JOINT AND HMA TAPER DETAILS | | | | | |

| | | | | |
|--------------|---------------|--------|---|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | BD400-05 BD32 | | 226 | 184 |
| CONTRACT NO. | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 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 AND FLAG 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. 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

| | | | |
|---|----------------------------|----------------|---------------------------------|
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| | PLOT SCALE = 50,000 "/ IN. | DRAWN - | REVISED - A. HOUSEH 03-06-96 |
| | PLOT DATE = 1/4/2008 | CHECKED - | REVISED - A. HOUSEH 10-15-96 |
| | | DATE - 06-89 | REVISED - T. RAMMACHER 01-06-00 |

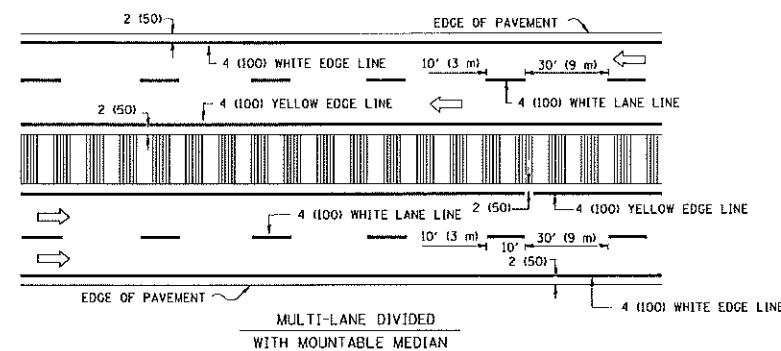
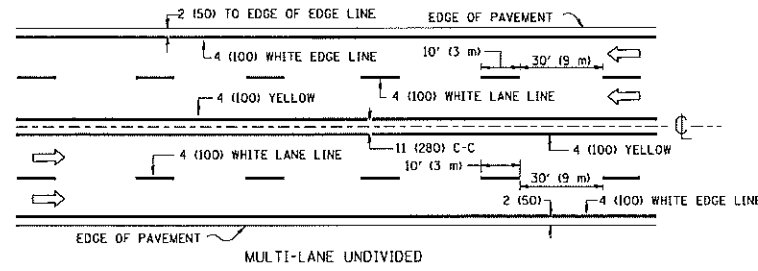
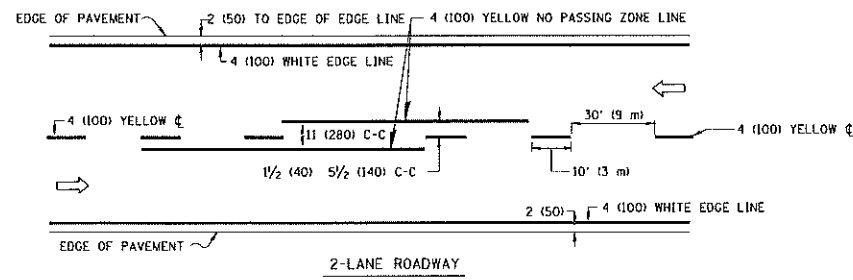
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------------------------|------|---------|
| TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

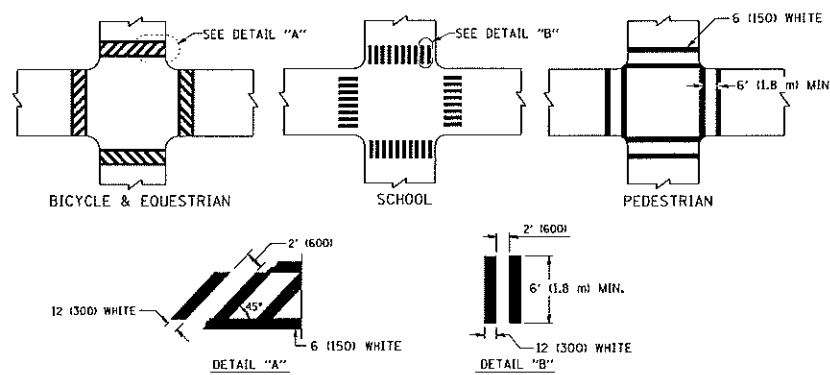
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|---|---------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | TC-10 | | 226 | 185 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. | |

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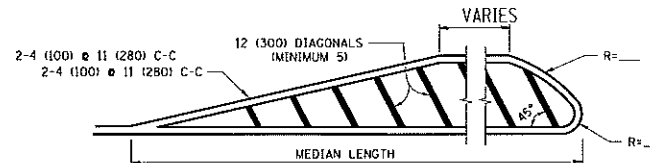
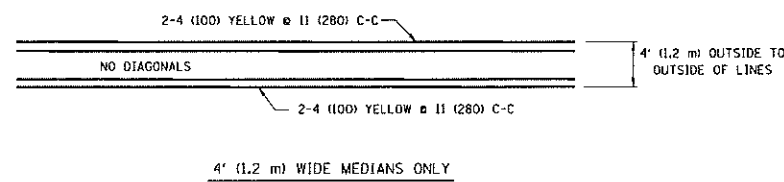
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| FILE NAME = c:\pvc_work\pvc\tdo\l\lqysa\40108315\td11.dgn | USER NAME = lqysa | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - T. RAMMACHER 03-12-99 | | | | | 226 | 186 |
| | | CHECKED - | REVISED - T. RAMMACHER 01-06-00 | | | | | CONTRACT NO. | |
| | | DATE - | REVISED - C. JUCTUS 09-09-09 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 |



NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE
TYPICAL LANE AND EDGE LINE MARKING

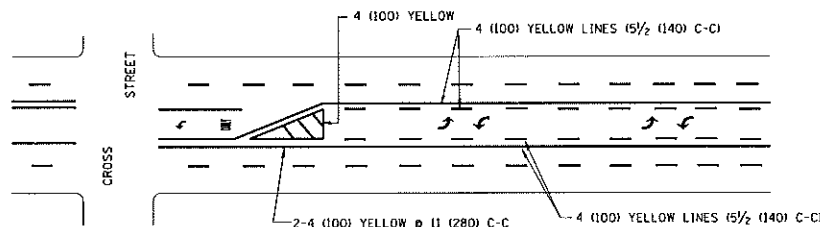


TYPICAL CROSSWALK MARKING

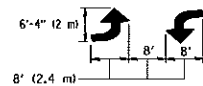


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

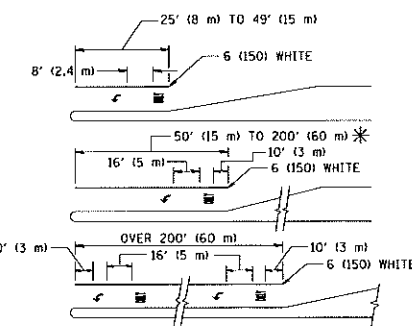


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

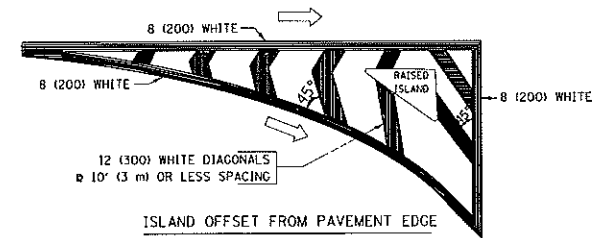


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

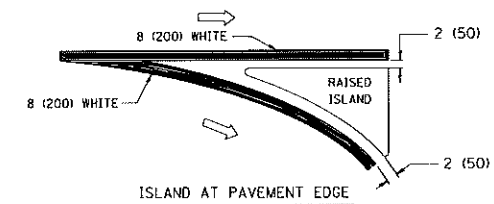
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|---------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES "RR" 15' (4.5 m) MIN. LETTERS: 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 78000; AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 78000.

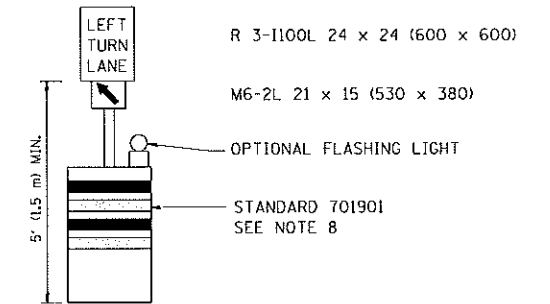
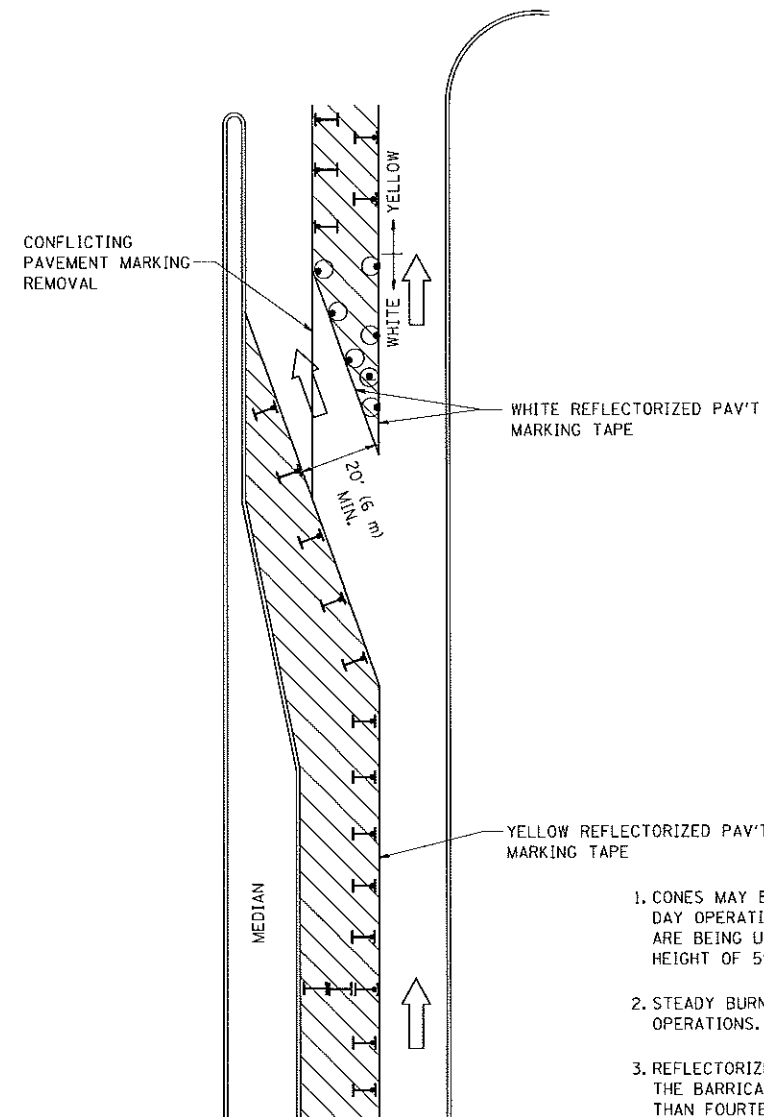
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|---|---------------------------------|------------------|--------------------------------|
| FILE NAME + c:\pwork\pedit\drivakosgn\ad108315.t | USER NAME + drivakosgn J.dgn | DESIGNED - EVERS | REVISED -T, RAMMACHER 10-27-94 |
| | | DRAWN - | REVISED -C, JUCIUS 09-09-09 |
| | PLOT SCALE = 50,000 * / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 9/9/2009 | DATE - 03-19-90 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------|-------------------------|------|---------|
| DISTRICT ONE | | | |
| TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| | | | | |
|---|---------|--------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 226 | 187 |
| TC-13 | | CONTRACT NO. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

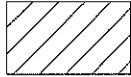







GENERAL NOTES

1. 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. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. 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" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

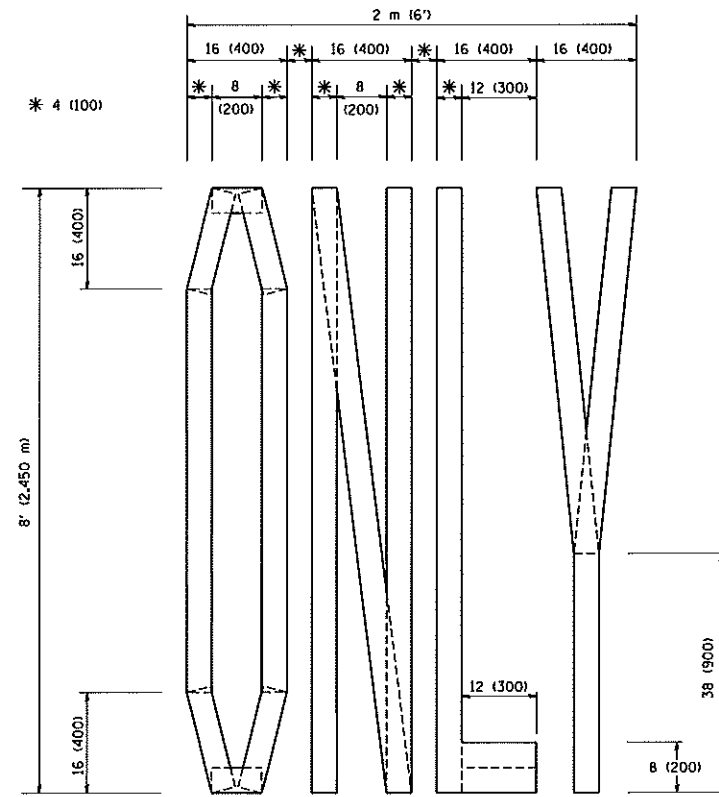
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| c:\pwworksp\p1007\DRIVAKOSGN\d0106315\14.dgn | | REVISED - A. HOUSEH 11-07-95 | REVISED - |
| | | REVISED - A. HOUSEH 10-12-96 | REVISED - |
| | | REVISED - T. RAMMACHER 01-06-00 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

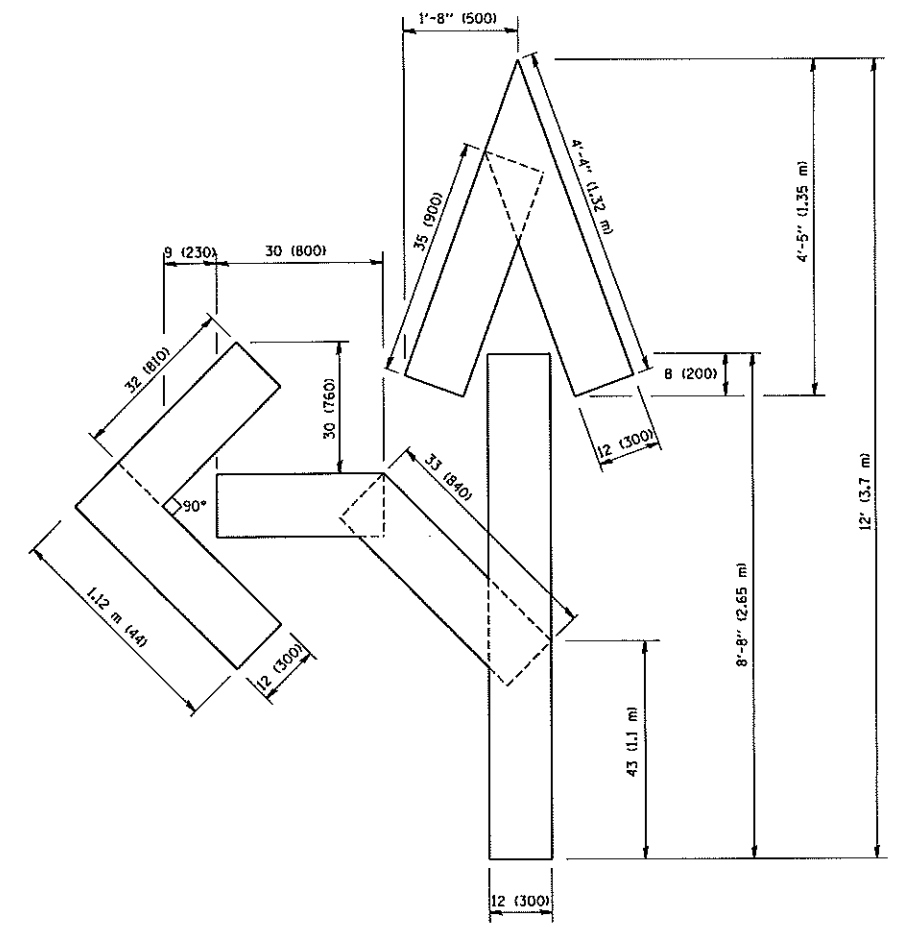
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

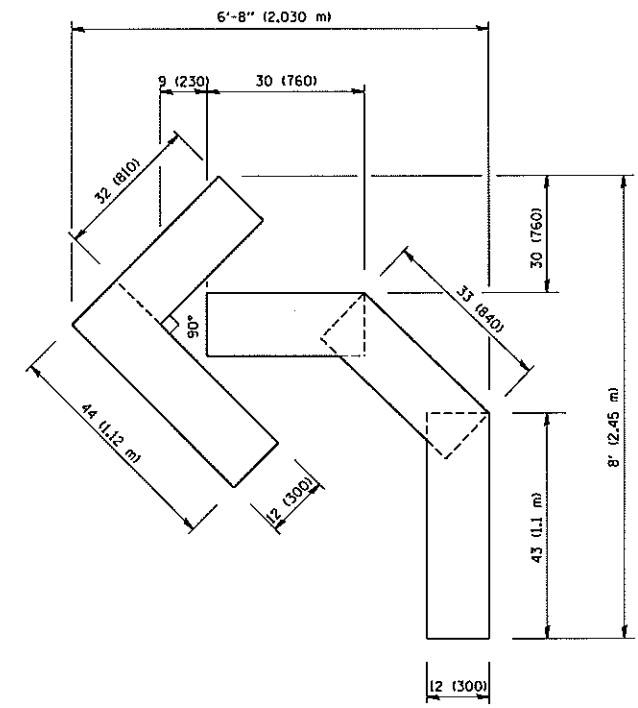
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| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 226 | 188 |
| TC-14 | | CONTRACT NO. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

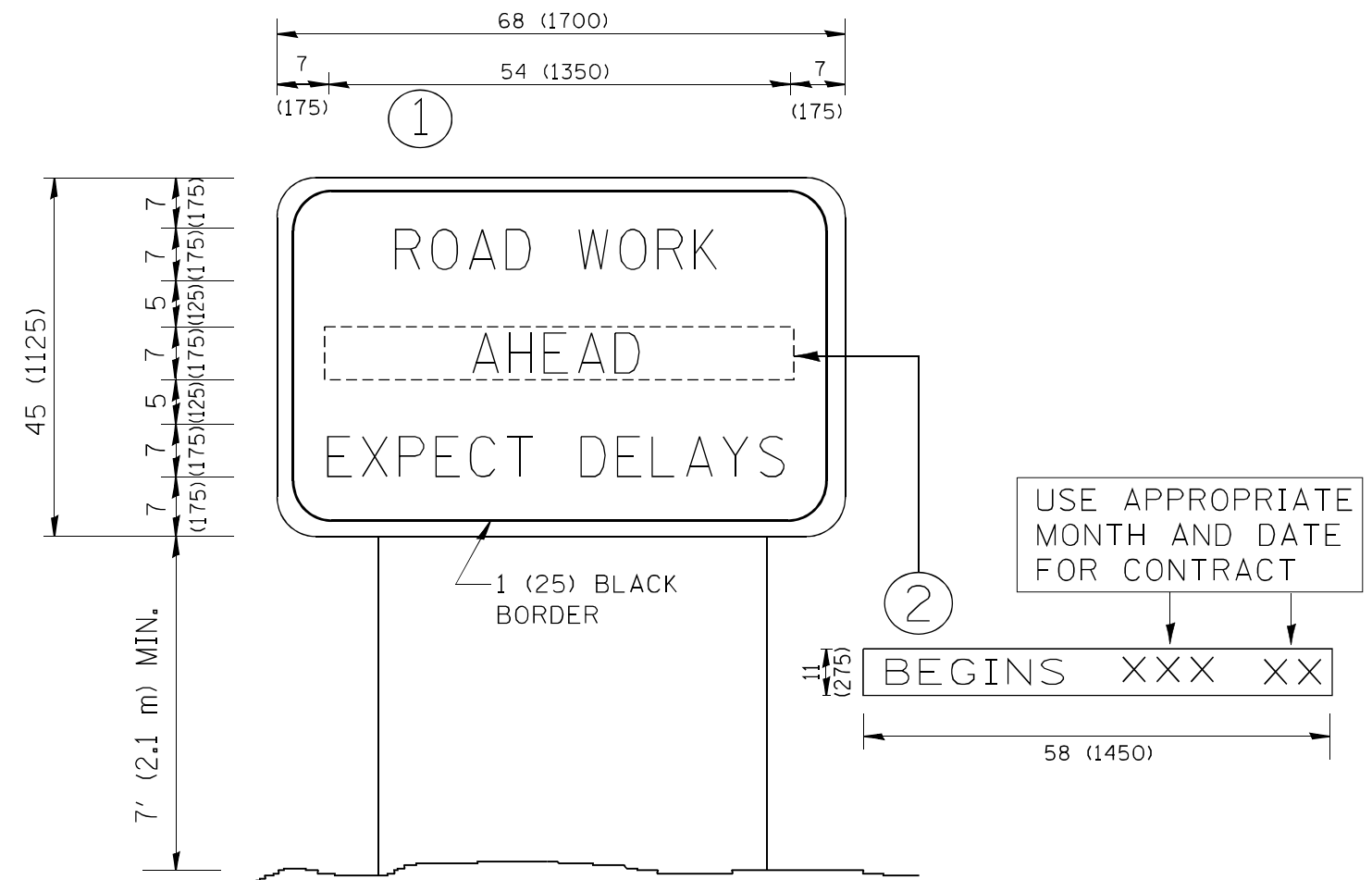
All dimensions are in inches (millimeters) unless otherwise shown.

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| | PLOT SCALE = 50,0000 ' / IN. | DRAWN - - | REVISED -T, RAMMACHER 11-04-97 |
| | PLOT DATE = 1/4/2008 | CHECKED - - | REVISED -T, RAMMACHER 03-02-98 |
| | | DATE - 09-18-94 | REVISED -E, GOMEZ 08-28-00 |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING | | | |
|---|-------------------------|------|---------|
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

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| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | TC-16 | | 226 | 189 |
| FED. ROAD DIST. NO. 1 | | ILLINOIS FED. AID PROJECT | | |
| | | CONTRACT NO. | | |



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.

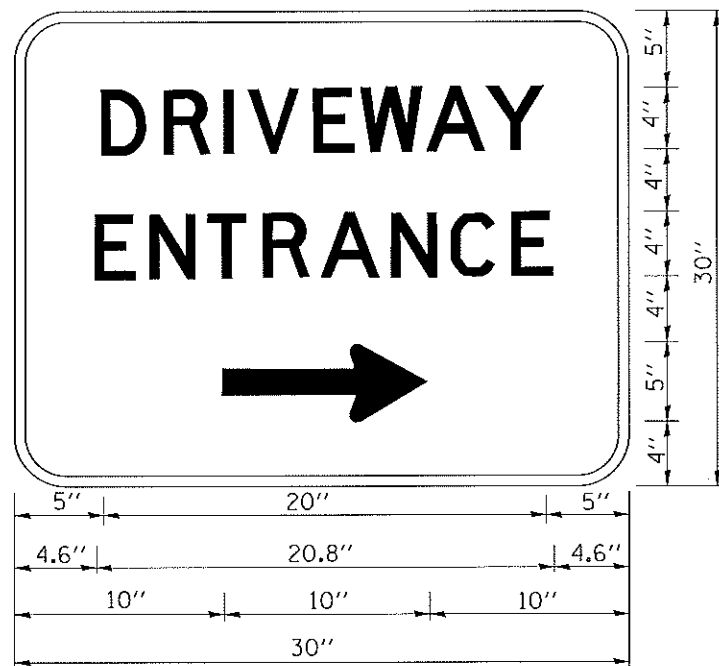
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| | | CHECKED - | REVISED - R. MIRS 12-11-97 |
| | PLOT SCALE = 50.000 "/ IN. | DATE - | REVISED - T. RAMMACHER 02-02-99 |
| | PLOT DATE = 1/4/2008 | | REVISED - C. JUCLUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

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| F.A. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 226 | 189A |
| TC-22 | | | CONTRACT NO. | |
| FED. ROAD DIST. NO. 1 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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|---|----------------------------|------------|------------------------------|
| FILE NAME : c:\pw\work\pedit\gaglionob\02108315\to | USER NAME = gaglionob | DESIGNED - | REVISED - C. JUCIUS 02-15-07 |
| | 6.dgn | DRAWN - | REVISED - |
| | PLOT SCALE = 50.000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/13/2012 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

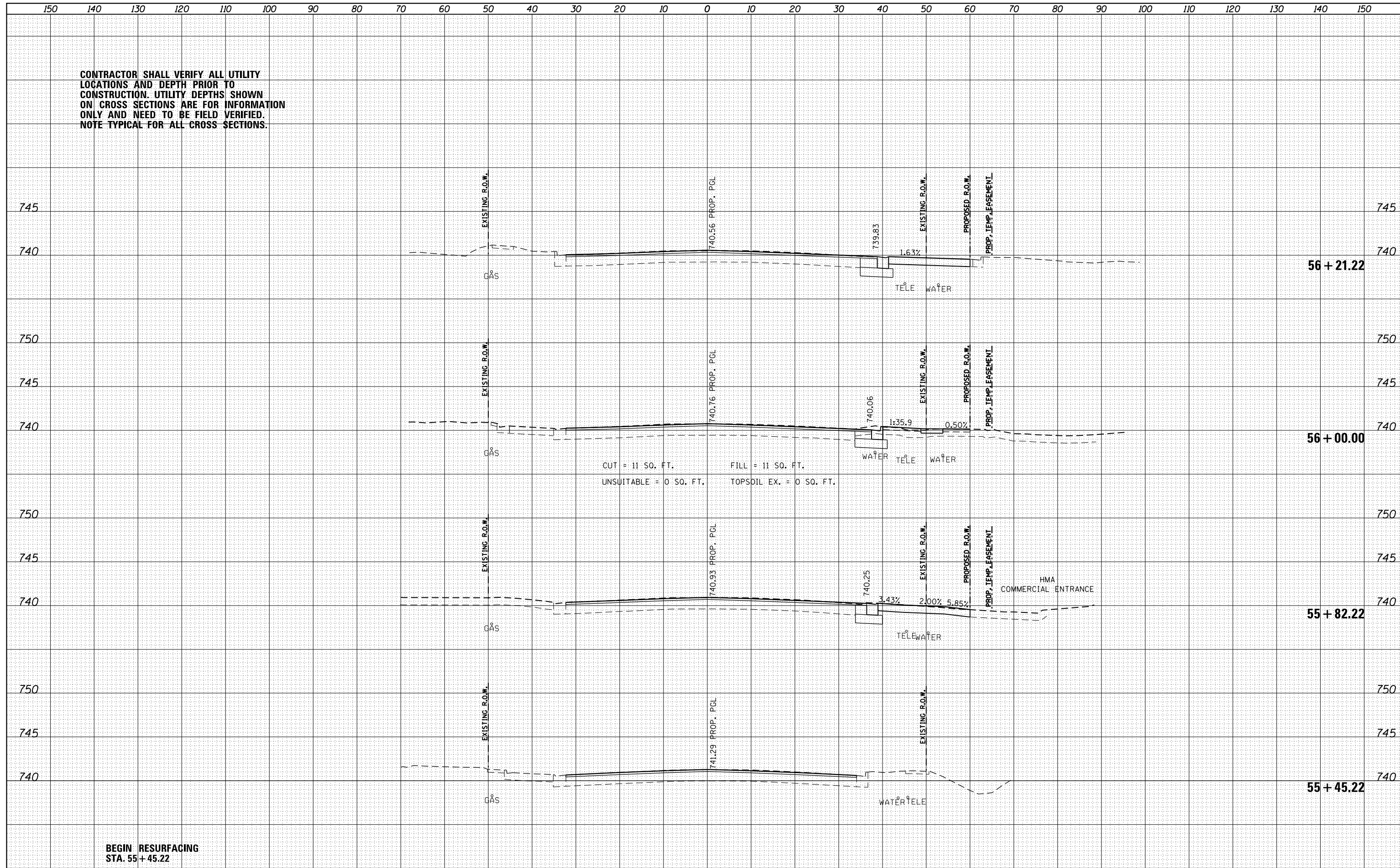
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| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | | 226 | 190 |
| TC-26 | | CONTRACT NO. | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTH PRIOR TO CONSTRUCTION. UTILITY DEPTHS SHOWN ON CROSS SECTIONS ARE FOR INFORMATION ONLY AND NEED TO BE FIELD VERIFIED. NOTE TYPICAL FOR ALL CROSS SECTIONS.

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| ORIGINAL SURVEY | |
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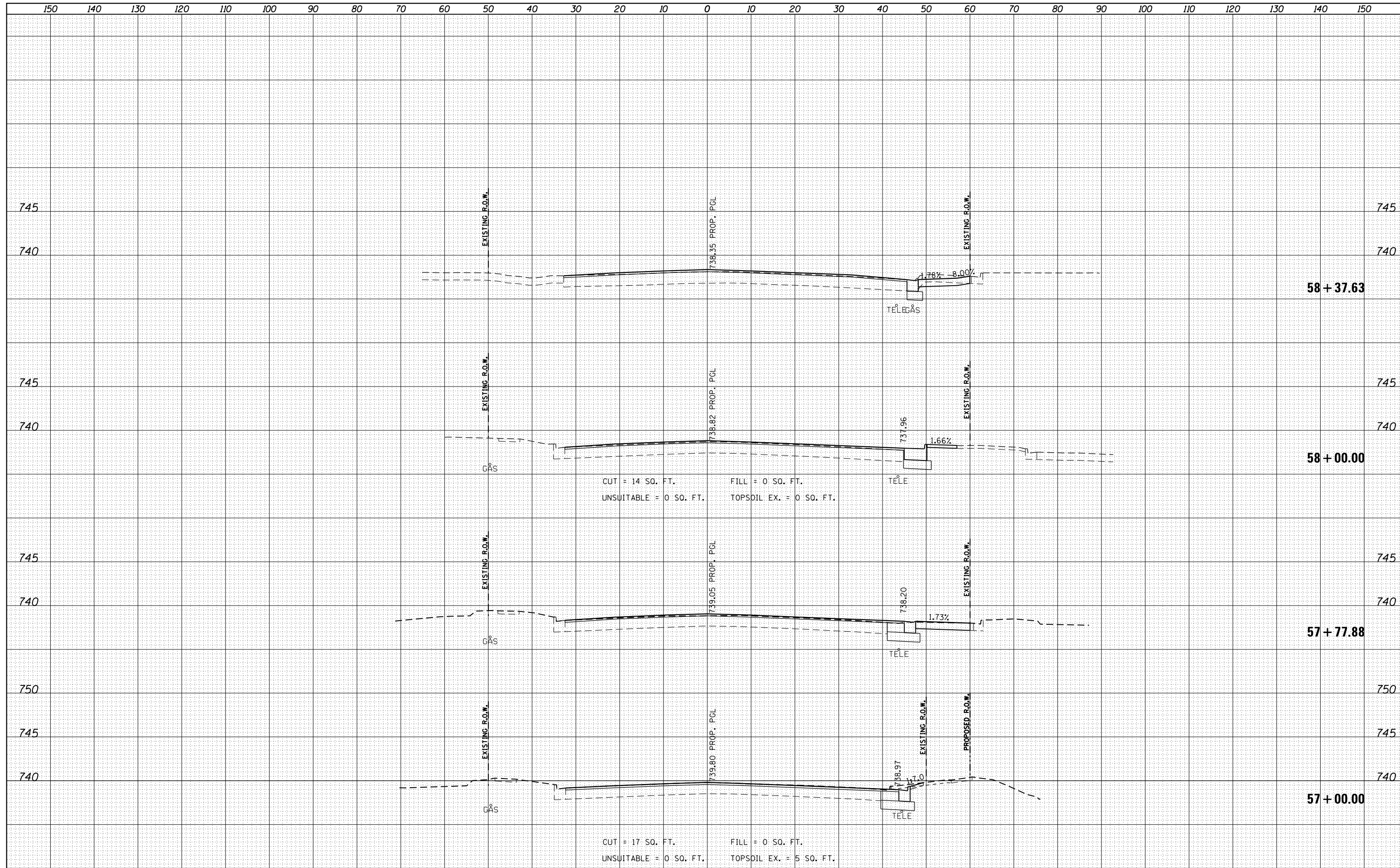


BEGIN RESURFACING STA. 55 + 45.22

| | | | | | | | | | | | |
|---------------------------------------|----------------------------|-----------------|-----------|---|---|-------------------------------|----------------------|--------------------------------|--------------------|-----------------|---|
| FILE NAME = DI62A26-sht-xsc-IL 68.dgn | USER NAME = Guest.2 | DESIGNED - RDT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | IL 53 / IL 68 CROSS SECTIONS | F.A.P. RTE. = 343 | SECTION = 3041-N-2 | COUNTY = COOK | TOTAL SHEETS = 226 | SHEET NO. = 191 | CONTRACT NO. 62A26 ILLINOIS FED. AID PROJECT |
| Default | PLOT SCALE = 20.000' / in. | CHECKED - MHL | REVISED - | | | SCALE: $H_v: V_v = 1'' : 10'$ | SHEET 1 OF 20 SHEETS | STA. 55+45.22 TO STA. 56+21.22 | | | |
| | PLOT DATE = 2/13/2019 | DATE = 10/01/17 | REVISED - | | | | | | | | |
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FILE NAME = D162A26-sht-xsc-IL 68.dgn
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| PLOT SCALE = 20.000' / in. | DRAWN - RDT | REVISED - |
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| | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

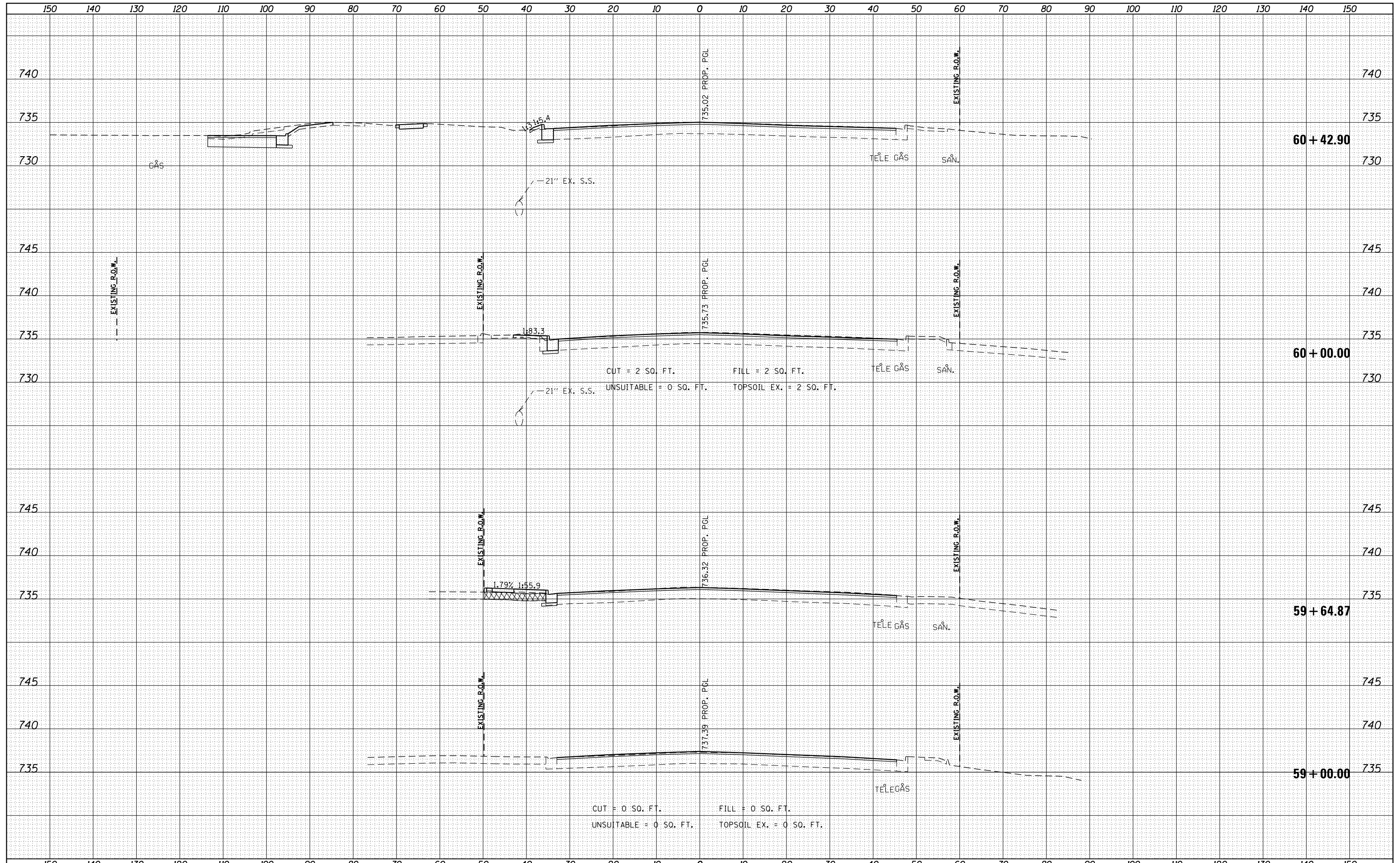
**IL 53 / IL 68
 CROSS SECTIONS**

SCALE: $\frac{1}{2}$ " = 10' SHEET 2 OF 20 SHEETS STA. 57+00.00 TO STA. 58+37.63

| | | | | |
|--------------------|------------------|-------------|------------------|---------------------------|
| F.A.P. RTE. 343 | SECTION 3041-N-2 | COUNTY COOK | TOTAL SHEETS 226 | SHEET NO. 192 |
| CONTRACT NO. 62A26 | | | | ILLINOIS FED. AID PROJECT |

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| FINAL SURVEY | |
| SURVEYED | |
| NOTED | |
| PLATTED | |
| NO. BOOK | |
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D162A26-sht-xsc-IL 68.dgn

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| CHECKED - | MHL |
| DATE - | 10/01/17 |
| PLOT SCALE = | 20.000' / in. |
| PLOT DATE = | 2/13/2019 |

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

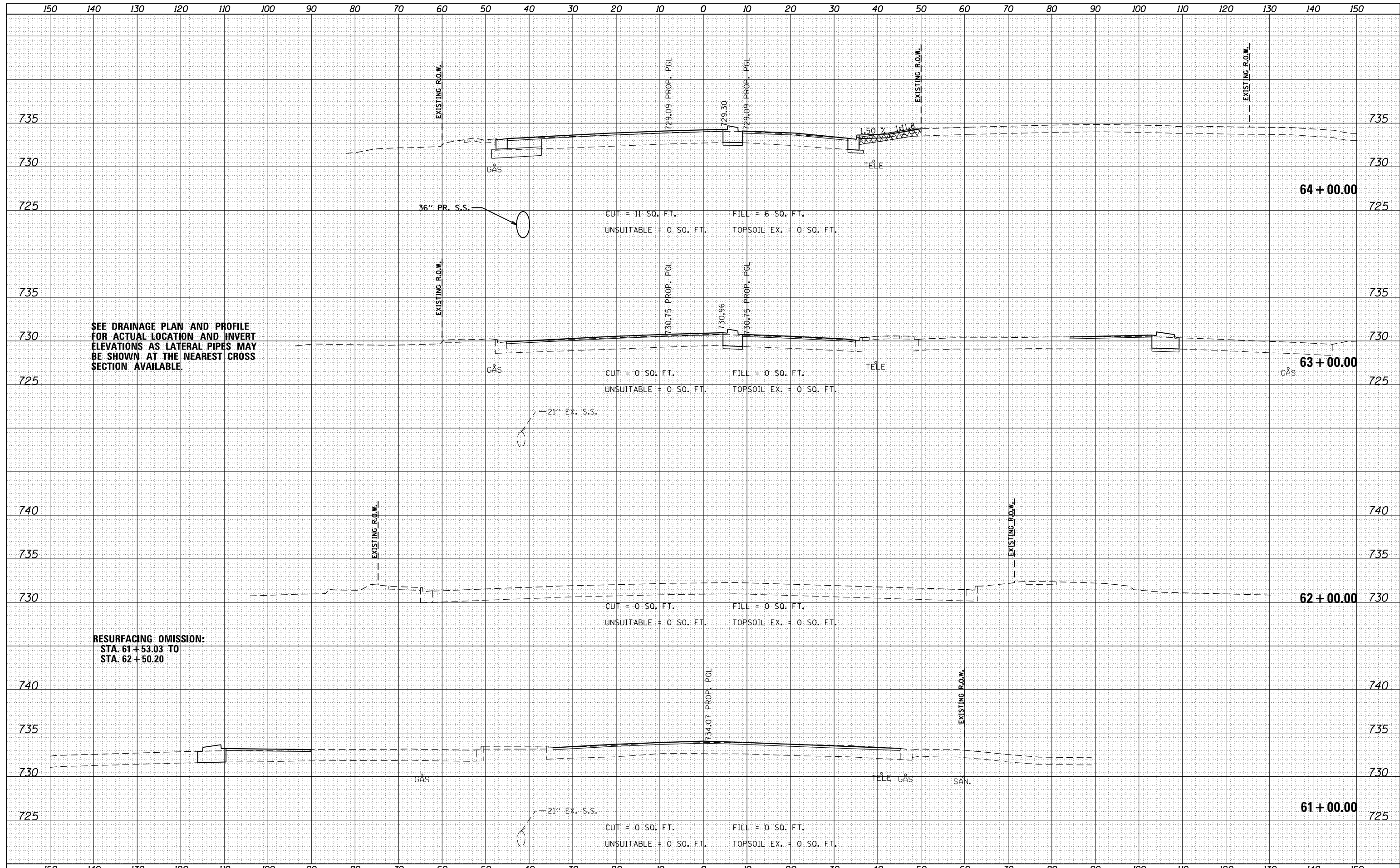
**IL 53 / IL 68
CROSS SECTIONS**

SCALE: $\frac{1}{2}'' = 10'$ SHEET 3 OF 20 SHEETS STA. 59+00.00 TO STA. 60+42.90

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 193 |
| | | | | CONTRACT NO. 62A26 |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | |
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| DATE | |
| BY | |
| ORIGINAL SURVEY | |
| NOTED | |
| NO. CHECKED | |



SEE DRAINAGE PLAN AND PROFILE FOR ACTUAL LOCATION AND INVERT ELEVATIONS AS LATERAL PIPES MAY BE SHOWN AT THE NEAREST CROSS SECTION AVAILABLE.

RESURFACING OMISSION:
STA. 61 + 53.03 TO
STA. 62 + 50.20

FILE NAME = D162A26-sht-xsc-IL 68.dgn
Default

USER NAME = Guest.2
DESIGNED - RDT
DRAWN - RDT
CHECKED - MHL
DATE - 10/01/17

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

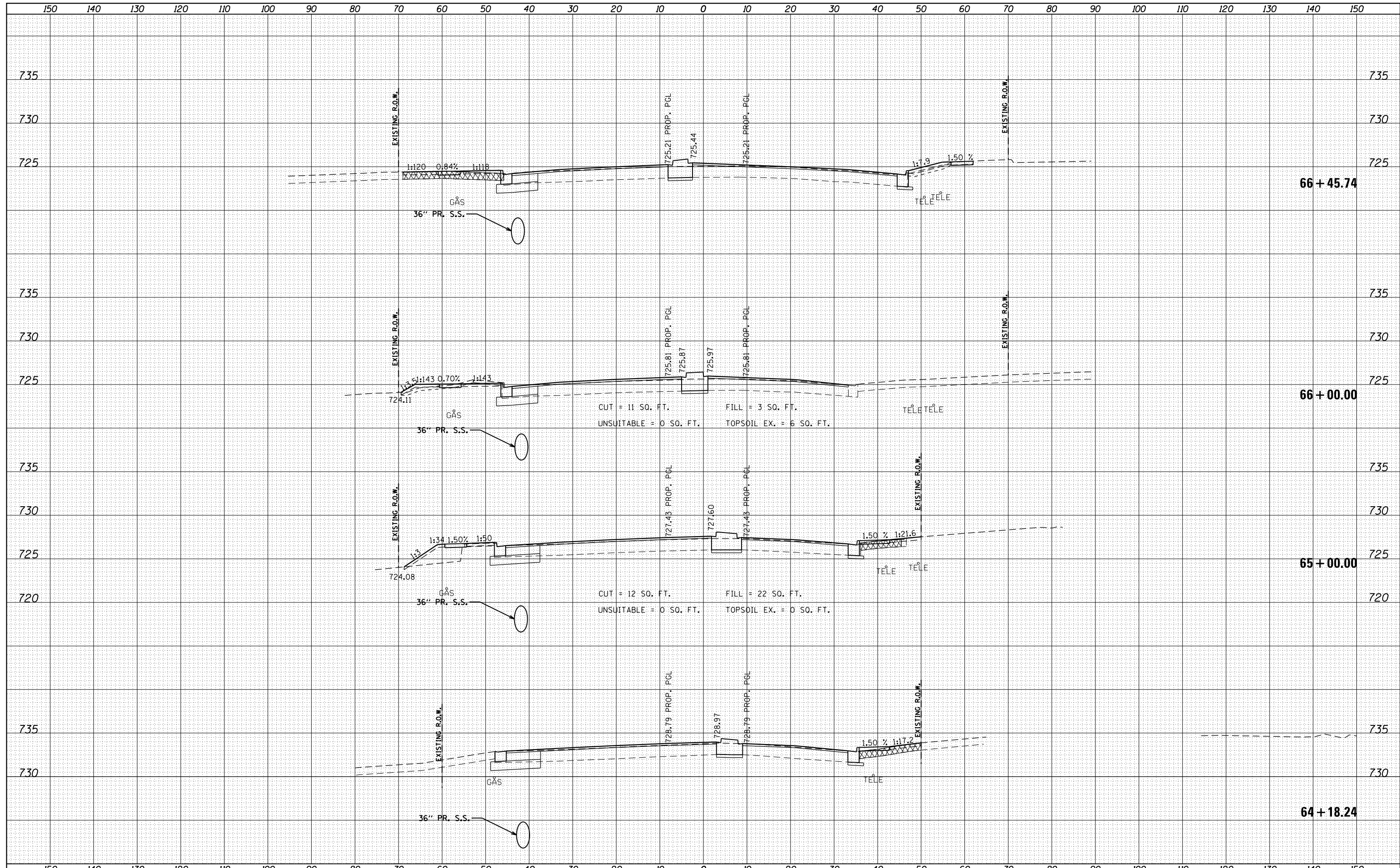
IL 53 / IL 68
CROSS SECTIONS

SCALE: $\frac{1}{2}$ " = 1' $\frac{1}{4}$ " = 5' SHEET 4 OF 20 SHEETS STA. 61+00.00 TO STA. 64+00.00

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 194 |
| CONTRACT NO. 62A26 | | | ILLINOIS FED. AID PROJECT | |

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| | DRAWN - RDT | REVISED - |
| PLOT SCALE = 20.000' / in. | CHECKED - MHL | REVISED - |
| PLOT DATE = 2/13/2019 | DATE - 10/01/17 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 53 / IL 68
CROSS SECTIONS**

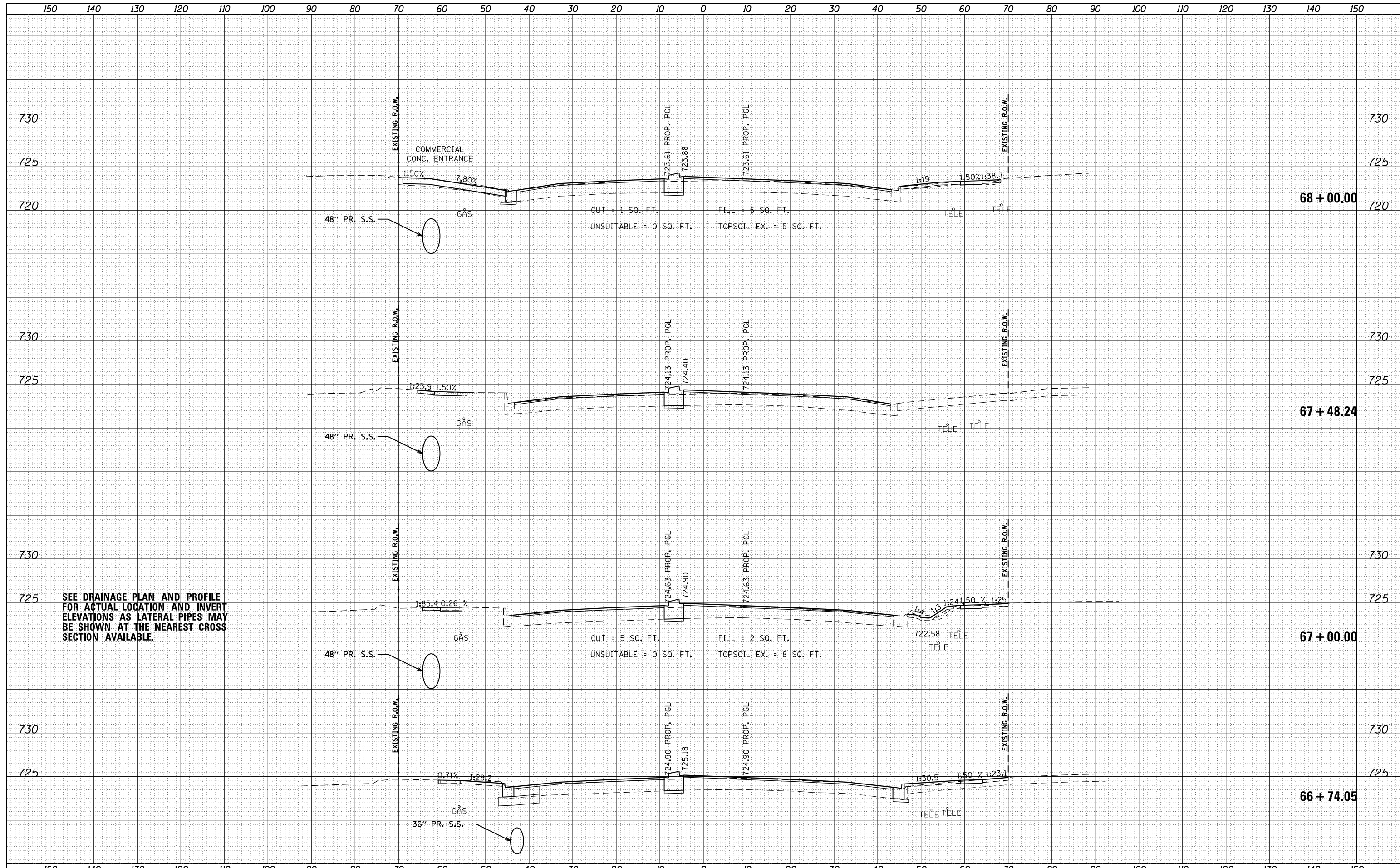
SCALE: $\frac{1}{2}$ " = 1' $\frac{1}{4}$ " = 5' $\frac{1}{8}$ " = 10'

SHEET 5 OF 20 SHEETS STA. 64+18.24 TO STA. 66+45.74

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 195 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINISHED SURVEY | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
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| ORIGINAL SURVEY | |
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 PLOT DATE = 2/13/2019

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

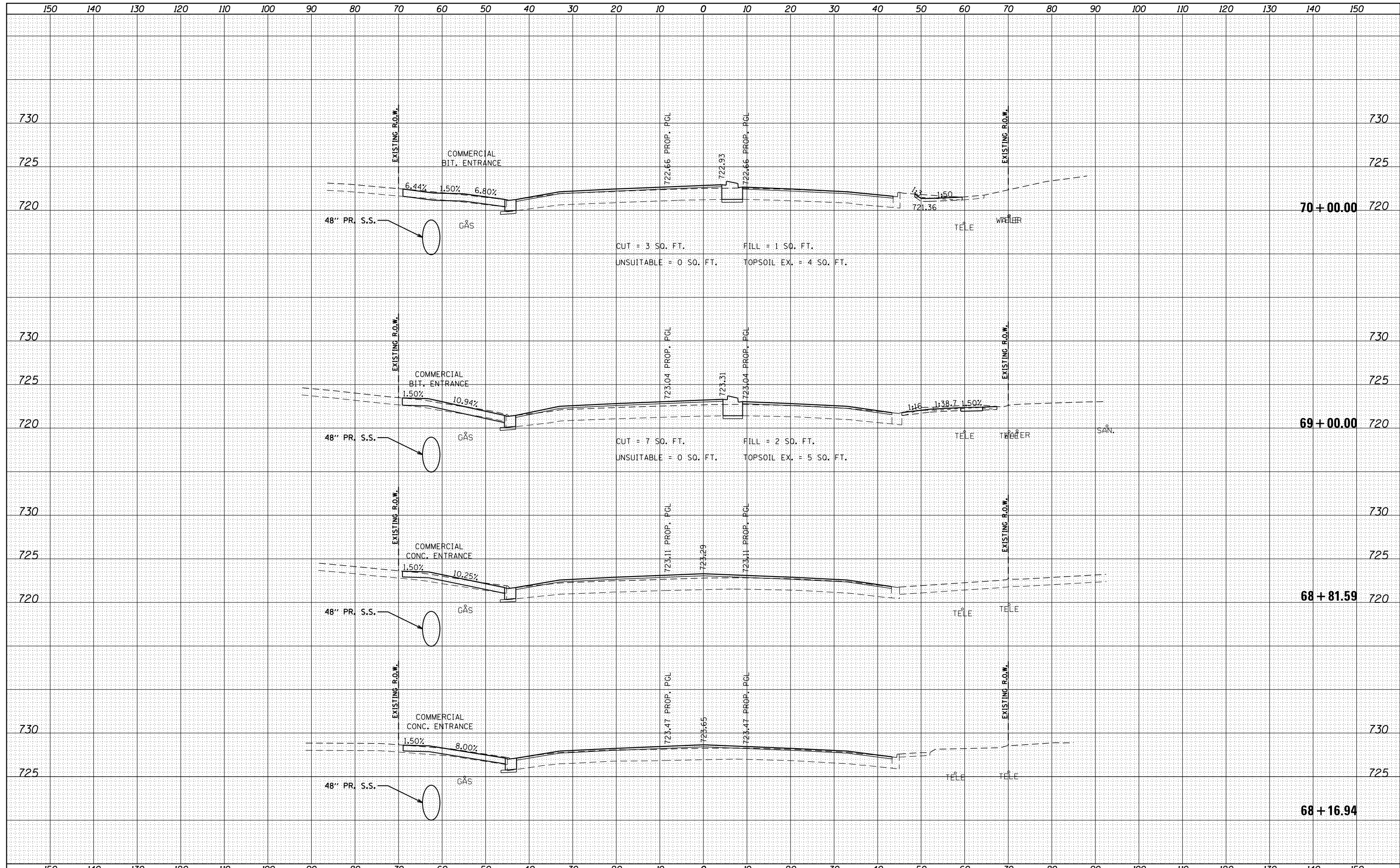
**IL 53 / IL 68
 CROSS SECTIONS**

SCALE: $\frac{1}{2}'' = 10'$ SHEET 6 OF 20 SHEETS STA. 66+74.05 TO STA. 68+00.00

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|---------------------------|----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 343 | 3041-N-2 | COOK | 226 | 196 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

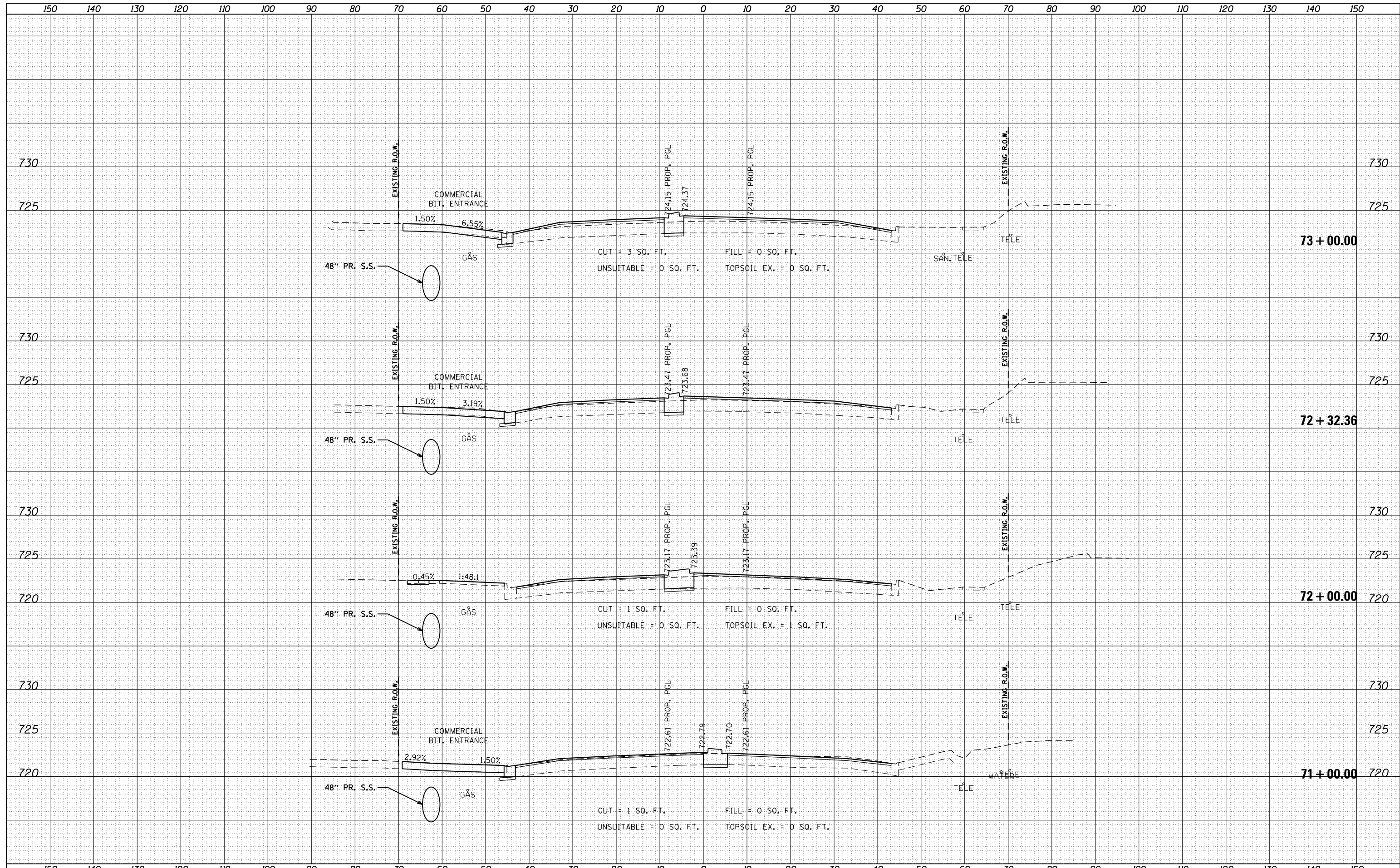
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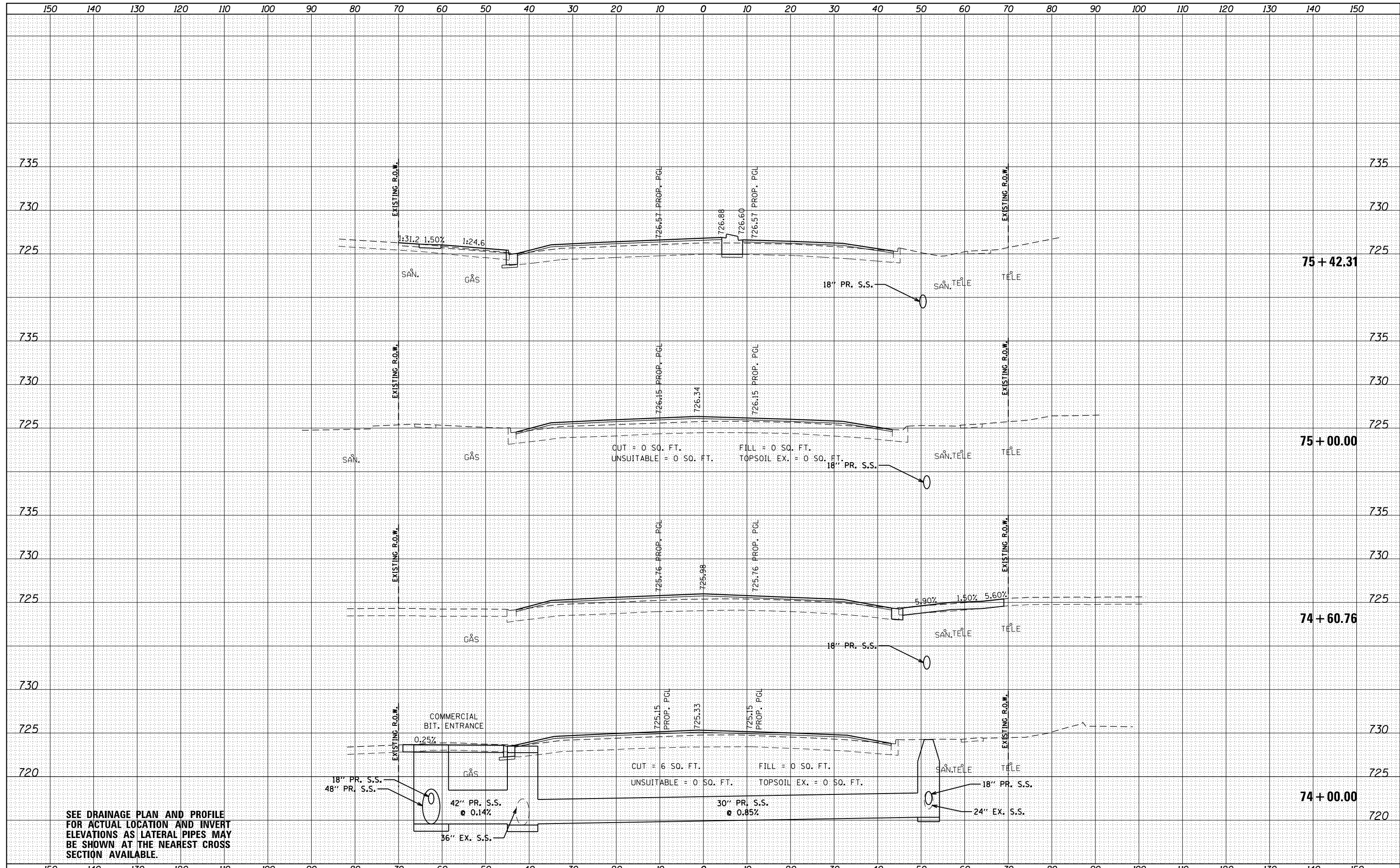
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SEE DRAINAGE PLAN AND PROFILE FOR ACTUAL LOCATION AND INVERT ELEVATIONS AS LATERAL PIPES MAY BE SHOWN AT THE NEAREST CROSS SECTION AVAILABLE.

FILE NAME = D162A26-sht-xsc-IL 68.dgn
 Default

USER NAME = Guest.2
 PLOT SCALE = 20.000' / in.
 PLOT DATE = 2/13/2019

DESIGNED - RDT
 DRAWN - RDT
 CHECKED - MHL
 DATE - 10/01/17

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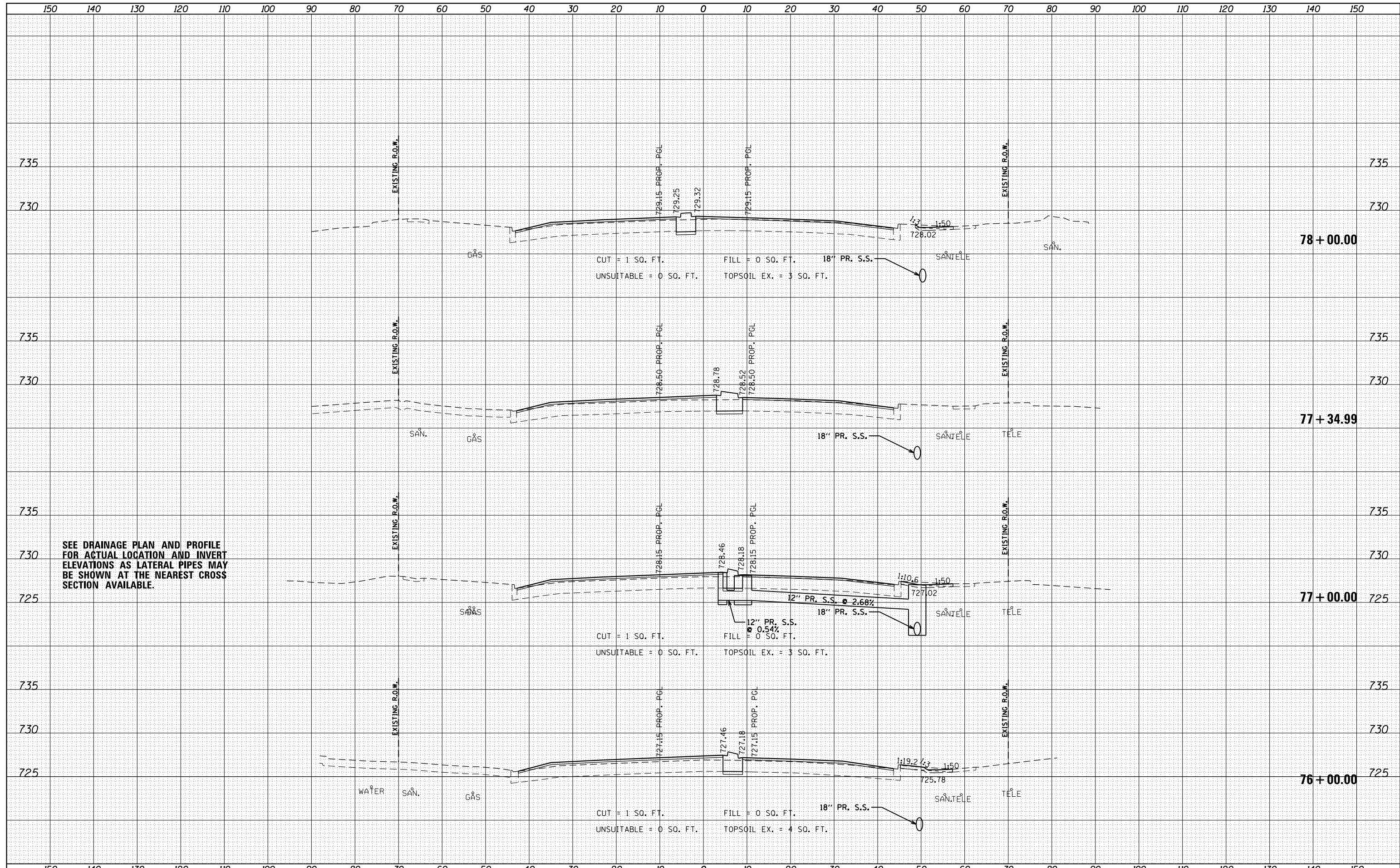
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 53 / IL 68
 CROSS SECTIONS
 SCALE: $H: \frac{1}{4}'' = 10'$
 $V: \frac{1}{4}'' = 5'$
 SHEET 9 OF 20 SHEETS STA. 74+00.00 TO STA. 75+42.31

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|--------|--------------|-----------|
| 343 | 3041-N-2 | COOK | 226 | 199 |
| CONTRACT NO. 62A26 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| | AREAS |
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SEE DRAINAGE PLAN AND PROFILE FOR ACTUAL LOCATION AND INVERT ELEVATIONS AS LATERAL PIPES MAY BE SHOWN AT THE NEAREST CROSS SECTION AVAILABLE.