

035

03-08-2019 LETTING ITEM 035

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 1 |
| ILLINOIS CONTRACT NO. 62H43 | | | | |

D-91-048-19



PROPOSED HIGHWAY PLANS

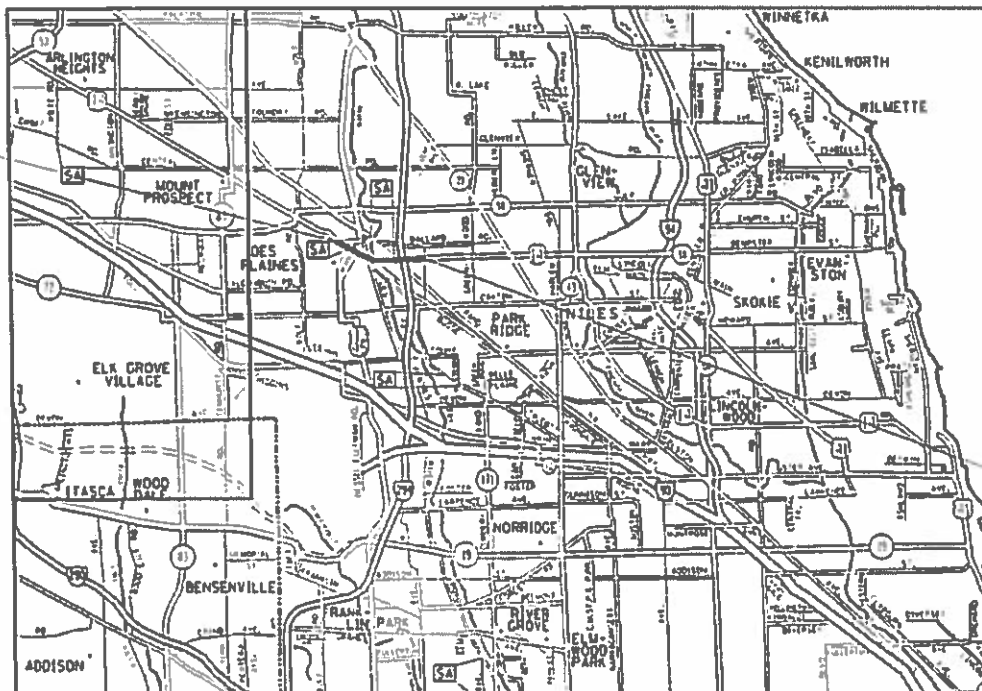
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE CITIES OF
DES PLAINES AND PARK RIDGE

F.A.U ROUTE 3512/1324: US 14 (NORTHWEST HWY)
WESTERN AVENUE TO VERNON AVENUE
SECTION: 2018-104-RS&SW
PROJECT: STP-WFWY(610)
RESURFACING (3P)/PEDESTRIAN RAMPS
COOK COUNTY

C-91-247-19

R 12 E

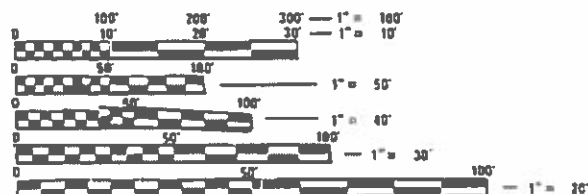


T 41 N

IMPROVEMENT BEGINS
STA. 293 + 00

OMISSION
STA. 329 + 75 TO STA. 339 + 15

IMPROVEMENT ENDS
STA. 418 + 50



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

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

MAINE TOWNSHIP

GROSS LENGTH OF IMPROVEMENT = 12,550 FT. = 2.38 MILES
NET LENGTH OF IMPROVEMENT = 11,610 FT. = 2.20 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 10, 2018

Anthony J. Oringley / 10/13
REGIONAL ENGINEER

Feb 1 2019 / EA
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 20 19 / Paul J. Ch...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER J. ALAIN MIDY (847)221-3056
PROJECT MANAGER FAWAD AQUEEL (847)705-4247

CONTRACT NO. 62H43

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|---|-------|------------------------------|---|--|--|--|--|--|
| CODE NO | ITEM | UNIT | | ROADWAY 0005 80% FED 20% STATE | | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 45 | 45 | | | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SO YD | 368 | 368 | | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 5 | 5 | | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 5 | 5 | | | | | |
| 25200110 | SODDING, SALT TOLERANT | SO YD | 368 | 368 | | | | | |
| 25200200 | SUPPLEMENTAL WATERING | UNIT | 7 | 7 | | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 53331 | 53331 | | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 119 | 119 | | | | | |
| 40600827 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | TON | 3260 | 3260 | | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SO YD | 700 | 700 | | | | | |
| 42001300 | PROTECTIVE COAT | SO YD | 550 | 550 | | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SO FT | 4200 | 4200 | | | | | |
| 42400800 | DETECTABLE WARNINGS | SO FT | 489 | 489 | | | | | |

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|-----------------------|---|-------|------------------------------|---|--|--|--|--|--|
| CODE NO | ITEM | UNIT | | ROADWAY 0005 80% FED 20% STATE | | | | | |
| 44000159 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | SO YD | 79010 | 79010 | | | | | |
| 44000600 | SIDEWALK REMOVAL | SO FT | 4170 | 4170 | | | | | |
| 44003510 | MEDIAN REMOVAL PARTIAL DEPTH | SO FT | 5600 | 5600 | | | | | |
| 44201827 | CLASS D PATCHES, TYPE II, 15 INCH | SO YD | 1500 | 1500 | | | | | |
| 44201831 | CLASS D PATCHES, TYPE III, 15 INCH | SO YD | 300 | 300 | | | | | |
| 44201833 | CLASS D PATCHES, TYPE IV, 15 INCH | SO YD | 550 | 550 | | | | | |
| 60250200 | CATCH BASINS TO BE ADJUSTED | EACH | 3 | 3 | | | | | |
| 60252800 | CATCH BASINS TO BE RECONSTRUCTED | EACH | 1 | 1 | | | | | |
| 60255500 | MANHOLES TO BE ADJUSTED | EACH | 4 | 4 | | | | | |
| 60260100 | INLETS TO BE ADJUSTED | EACH | 1 | 1 | | | | | |
| 60261530 | INLETS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE | EACH | 1 | 1 | | | | | |
| 60300105 | FRAMES AND GRATES TO BE ADJUSTED | EACH | 32 | 32 | | | | | |
| 60300305 | FRAMES AND LIDS TO BE ADJUSTED | EACH | 5 | 5 | | | | | |
| 60406000 | FRAMES AND LIDS, TYPE 1, OPEN LID | EACH | 17 | 17 | | | | | |
| 60406100 | FRAMES AND LIDS, TYPE 1, CLOSED LID | EACH | 5 | 5 | | | | | |

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|--------|------------------------------|---|--|--|--|--|
| CODE NO | ITEM | UNIT | | ROADWAY 0005 80% FED 20% STATE | | | | |
| 60600605 | CONCRETE CURB, TYPE B | FOOT | 543 | 543 | | | | |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 86 | 86 | | | | |
| * 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 5 | 5 | | | | |
| * 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | LSUM | 1 | 1 | | | | |
| * 66901002 | ON-SITE MONITORING OF REGULATED SUBSTANCES | CAL DA | 12 | 12 | | | | |
| * 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | LSUM | 1 | 1 | | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 12 | 12 | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | |
| 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | 1 | | | | |
| 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | 1 | | | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | | |

* SPECIALTY ITEM

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------------------|---|--|--|--|--|
| CODE NO | ITEM | UNIT | | ROADWAY 0005 80% FED 20% STATE | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 43140 | 43140 | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SO FT | 14380 | 14380 | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SO FT | 926.2 | 926.2 | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 33500 | 33500 | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 5600 | 5600 | | | | |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8" | FOOT | 1160 | 1160 | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 2700 | 2700 | | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 1300 | 1300 | | | | |
| 70300520 | PAVEMENT MARKING TAPE, TYPE III 4" | FOOT | 14380 | 14380 | | | | |
| * 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SO FT | 926.2 | 926.2 | | | | |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 33500 | 33500 | | | | |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 5600 | 5600 | | | | |
| * 78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" | FOOT | 1160 | 1160 | | | | |

REV. - MS

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------------------|---|--|--|--|--|
| CODE NO | ITEM | UNIT | | ROADWAY 0005 80% FED 20% STATE | | | | |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 2700 | 2700 | | | | |
| * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 1300 | 1300 | | | | |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 520 | 520 | | | | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 380 | 380 | | | | |
| * 88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 1200 | 1200 | | | | |
| X4060004 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80 | TON | 8213 | 8213 | | | | |
| △ X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 250 | 250 | | | | |
| X6030310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 45 | 45 | | | | |
| X7030005 | TEMPORARY PAVEMENT MARKING REMOVAL | SO FT | 24850 | 24850 | | | | |
| Z0004562 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 1246 | 1246 | | | | |
| X0320050 | CONSTRUCTION LAYOUT (SPECIAL) | L SUM | 1 | 1 | | | | |
| △ Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 20 | 20 | | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SO FT | 205.6 | 205.6 | | | | |

| SUMMARY OF QUANTITIES | | | URBAN TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------------------|---|--|--|--|--|
| CODE NO | ITEM | UNIT | | ROADWAY 0005 80% FED 20% STATE | | | | |
| Z0033700 | LONGITUDINAL JOINT SEALANT | FOOT | 24500 | 24500 | | | | |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 | 1 | | | | |

△ NON PARTICIPATING
* SPECIALTY ITEM

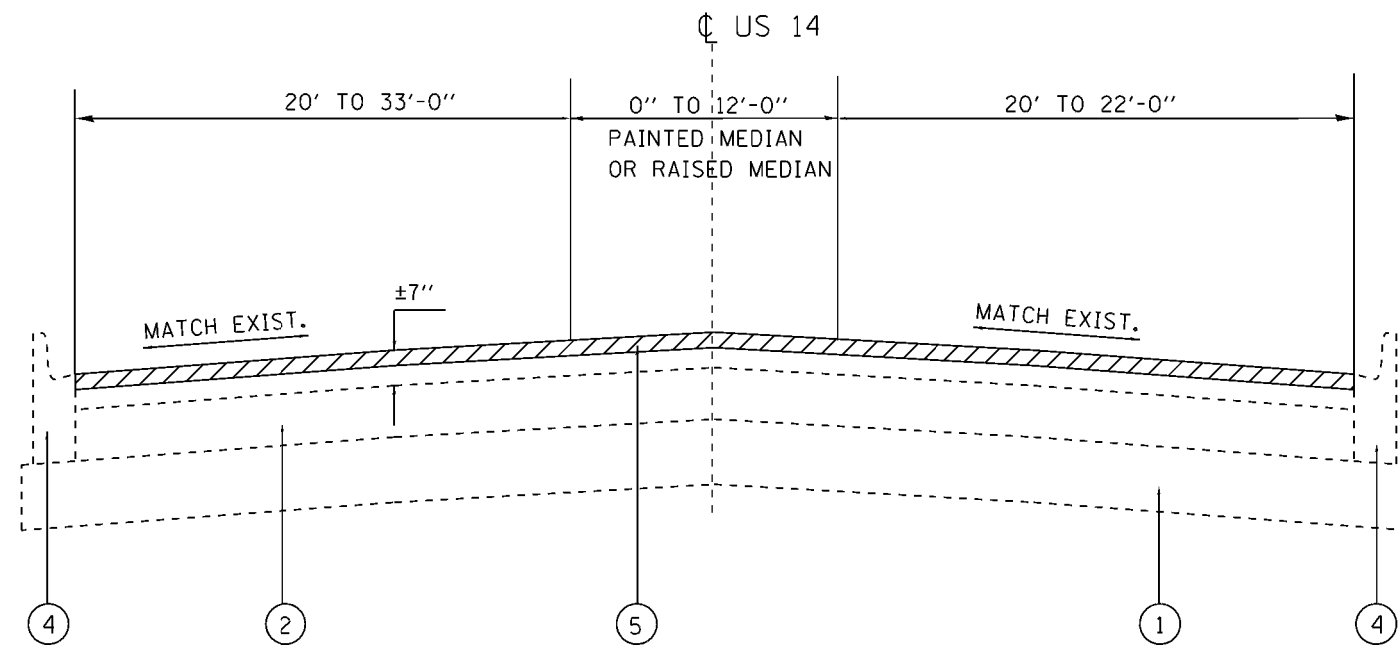
REV. - MS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

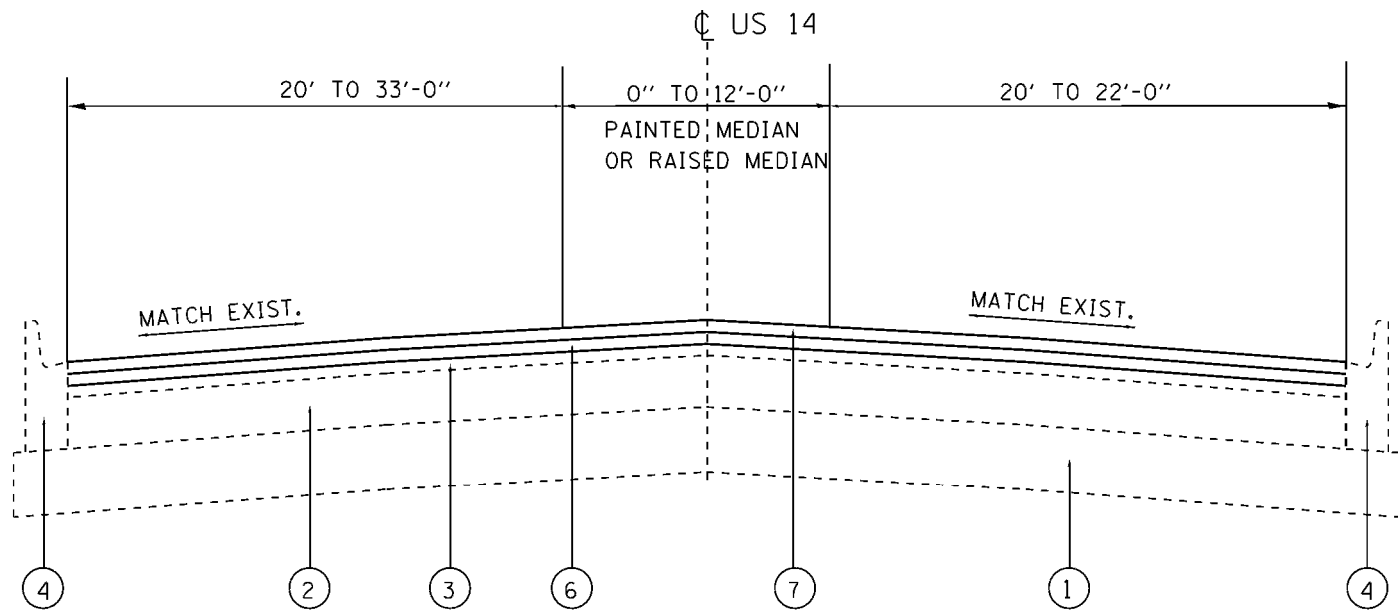
| | | | |
|-----------------------|-----------|-----------|--------------|
| SUMMARY OF QUANTITIES | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|---|----------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 305 | 2018-098-R5&SW | COOK | 44 | 5 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62H47 | |



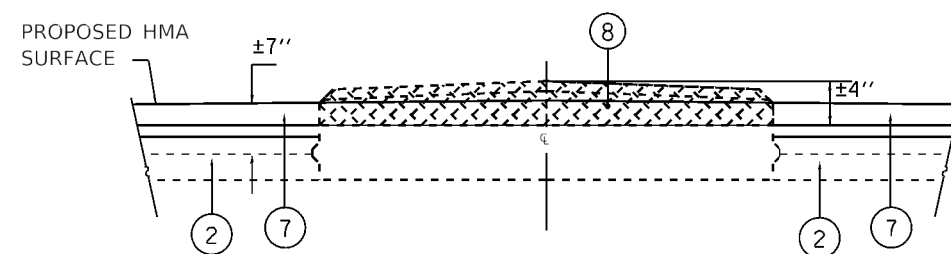
EXISTING TYPICAL SECTION

STA. 293+00 TO STA. 418+50



PROPOSED TYPICAL SECTION

STA. 293+00 TO STA. 418+50



MEDIAN REMOVAL DETAILS
STA 382+50 TO STA. 390+40

LEGEND

- ① EXIST. STABILIZED SUBBASE 4"
- ② EXIST. P.C.C. PAVEMENT, ±10"
- ③ EXISTING HMA PAVEMENT AFTER MILLING, ±4 1/2 "
- ④ EXIST. CURB AND GUTTER, TYP. B-6.12
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80, 1 3/4 "
- ⑧ PROPOSED MEDIAN REMOVAL PARTIAL DEPTH

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | AIR VOIDS @ NODES | QUALITY MANAGEMENT PROGRAM (QMP) |
|---|-------------------|----------------------------------|
| MIXTURE TYPE | | |
| RESURFACING | | |
| POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80 (IL 9.5 mm) | 4% @ 70 GYR | QCP |
| POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | 3.5% @ 50 GYR | QCP |
| HMA PATCHING | | |
| CLASS D PATCH (HMA BINDER IL-19mm) | 4% @ 70 GYR | QC/OA |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP) | | |

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

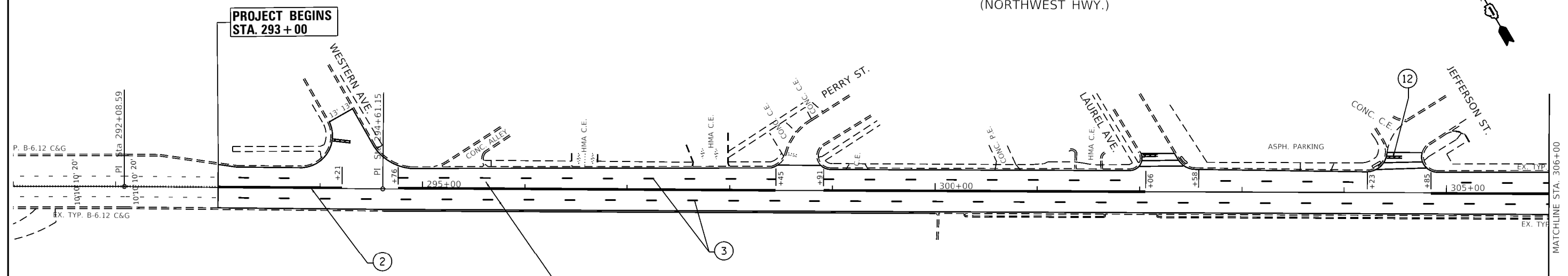
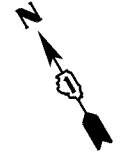
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PF 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

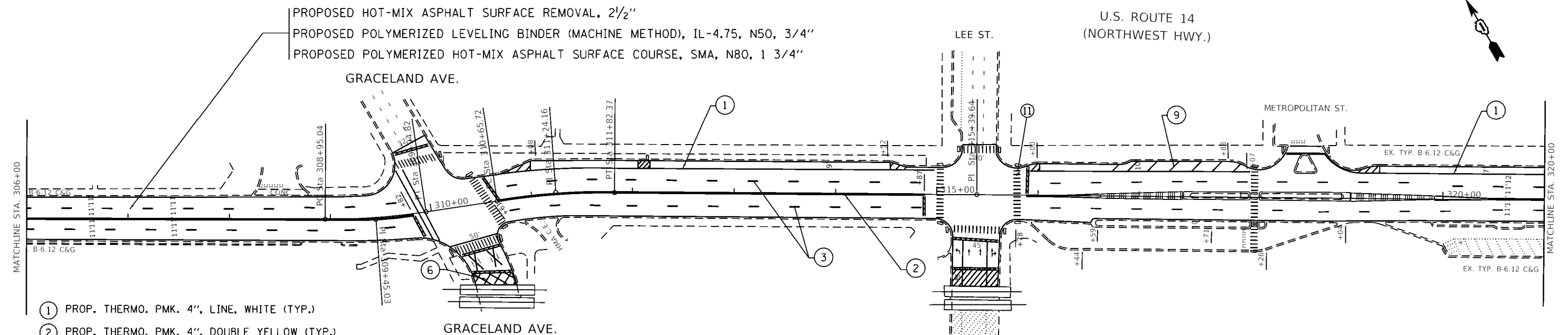
CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

U.S. ROUTE 14
(NORTHWEST HWY.)



PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80, 1 3/4"

U.S. ROUTE 14
(NORTHWEST HWY.)



PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80, 1 3/4"

- ① PROP. THERMO. PMK. 4", LINE, WHITE (TYP.)
- ② PROP. THERMO. PMK. 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMO. PMK. 4", SKIP DASH, WHITE (10' LINE-30' SPACE) (TYP.)
- ④ PROP. THERMO. PMK. 4", LINE, YELLOW (TYP.)
- ⑤ PROP. THERMO. PMK. 6", LINE, WHITE (TYP.)
- ⑥ PROP. THERMO. PMK. 6", DIAGONALS, WHITE (45°, 8' C-C) (TYP.)
- ⑦ PROP. THERMO. PMK. 6", DOTTED, WHITE (2' DASH-6' SPACE) (TYP.)
- ⑧ PROP. THERMO. PMK. 8", LINE, WHITE (TYP.)
- ⑨ PROP. THERMO. PMK. 12", DIAGONALS, WHITE 45°, 20' C-C) (TYP.)
- ⑩ PROP. THERMO. PMK. 12", DIAGONALS, YELLOW 45°, 75' C-C) (TYP.)
- ⑪ PROP. THERMO. PMK. 12", LINE, WHITE, 3' C-C) (TYP.)
- ⑫ PROP. THERMO. PMK. 24", STOP BAR, WHITE (TYP.)
- ⑬ PROP. THERMO. PMK. LETTERS & SYMBOLS, WHITE (TYP.)

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 PLOT DATE: 12/17/2018

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| PLOT DATE = 12/17/2018 | DATE - | REVISED - |

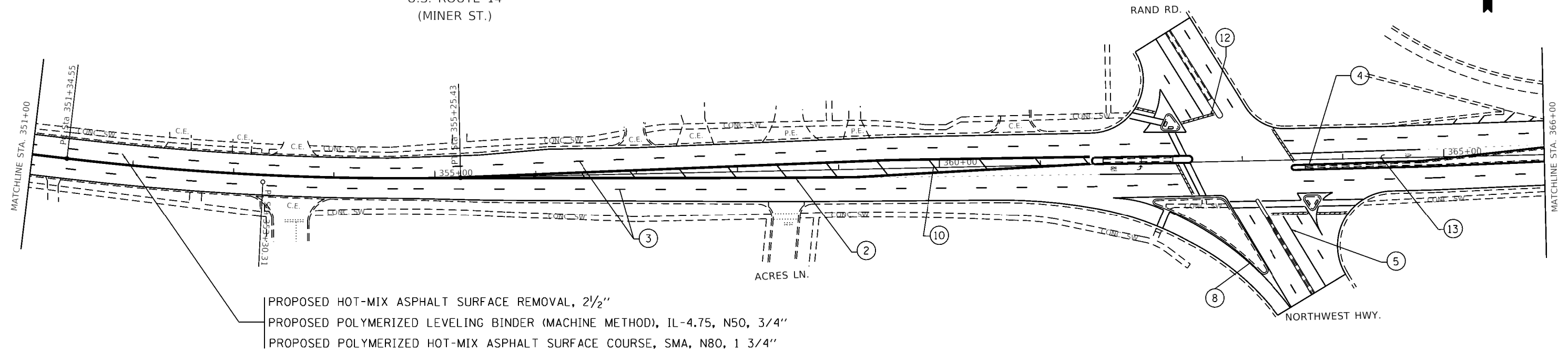
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
 U.S. ROUTE 14 (NORTHWEST HWY.) (WESTERN AVE. - VERNON AVE.)

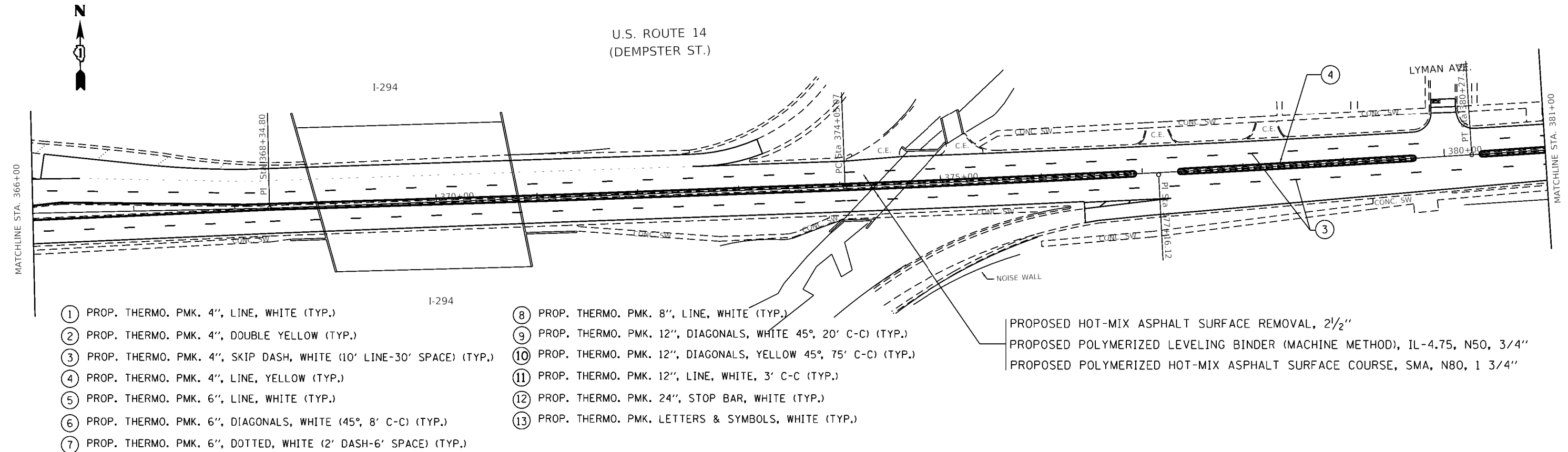
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-R56SW | COOK | 44 | 7 |
| CONTRACT NO. 62H43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

U.S. ROUTE 14
(MINER ST.)



U.S. ROUTE 14
(DEMPSTER ST.)



- ① PROP. THERMO. PMK. 4", LINE, WHITE (TYP.)
- ② PROP. THERMO. PMK. 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMO. PMK. 4", SKIP DASH, WHITE (10' LINE-30' SPACE) (TYP.)
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- ⑨ PROP. THERMO. PMK. 12", DIAGONALS, WHITE 45°, 20' C-C) (TYP.)
- ⑩ PROP. THERMO. PMK. 12", DIAGONALS, YELLOW 45°, 75' C-C) (TYP.)
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- ⑫ PROP. THERMO. PMK. 24", STOP BAR, WHITE (TYP.)
- ⑬ PROP. THERMO. PMK. LETTERS & SYMBOLS, WHITE (TYP.)

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80, 1 3/4"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

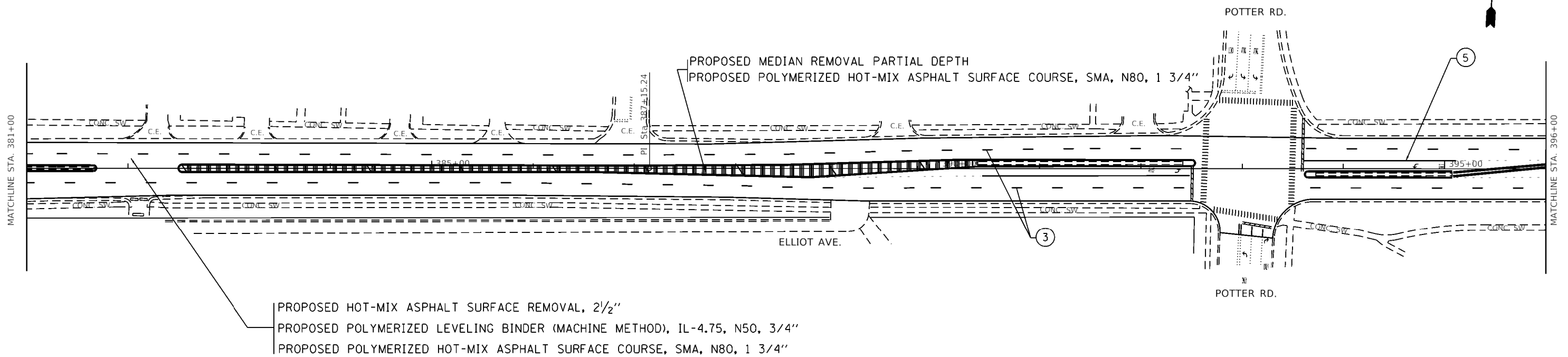
EXISTING AND PROPOSED ROADWAY PLAN
U.S. ROUTE 14 (NORTHWEST HWY.) (WESTERN AVE. - VERNON AVE.)

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

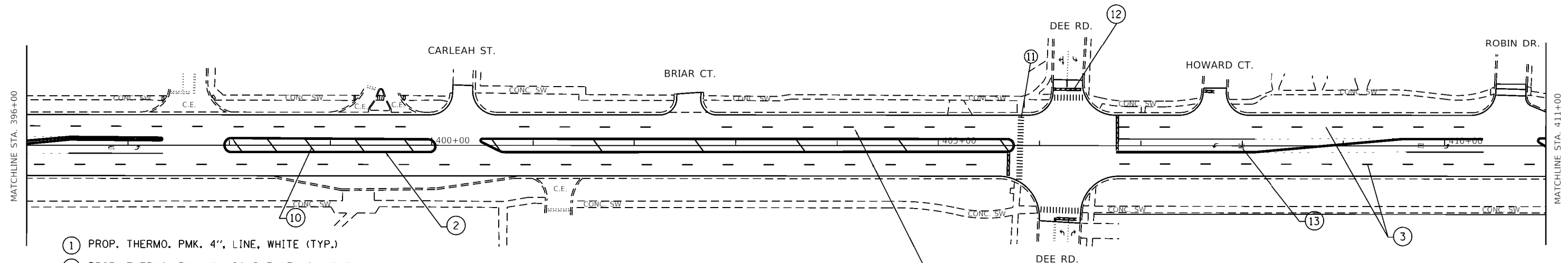
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-R56SW | COOK | 44 | 9 |
| CONTRACT NO. 62H43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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U.S. ROUTE 14
(DEMPSTER ST.)



U.S. ROUTE 14
(DEMPSTER ST.)



- ① PROP. THERMO. PMK. 4", LINE, WHITE (TYP.)
- ② PROP. THERMO. PMK. 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMO. PMK. 4", SKIP DASH, WHITE (10' LINE-30' SPACE) (TYP.)
- ④ PROP. THERMO. PMK. 4", LINE, YELLOW (TYP.)
- ⑤ PROP. THERMO. PMK. 6", LINE, WHITE (TYP.)
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- ⑬ PROP. THERMO. PMK. LETTERS & SYMBOLS, WHITE (TYP.)

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, N80, 1 3/4"

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| PLOT SCALE = 100.0000" / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/17/2018 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

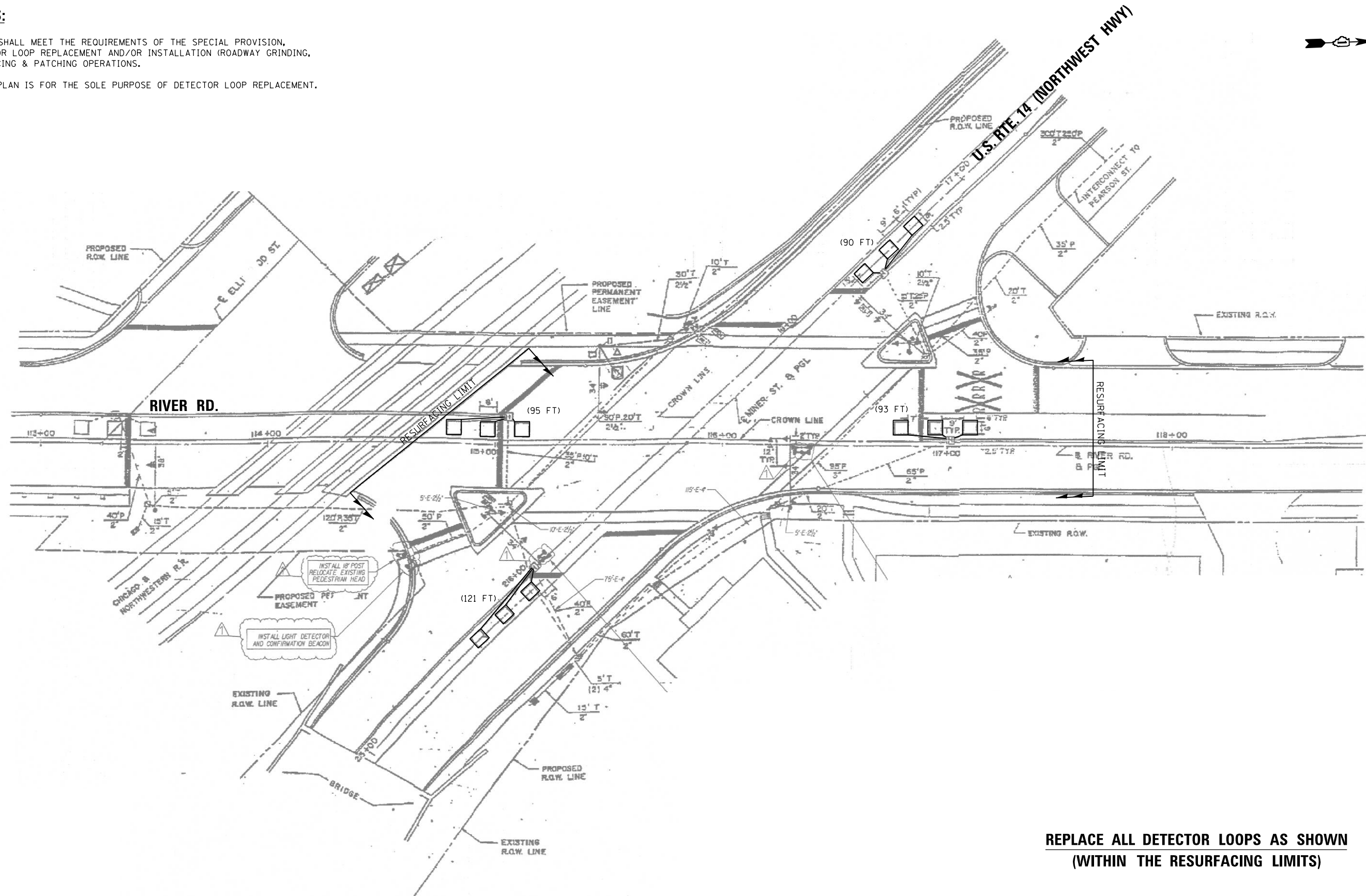
**EXISTING AND PROPOSED ROADWAY PLAN
U.S. ROUTE 14 (NORTHWEST HWY.) (WESTERN AVE. - VERNON AVE.)**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-R56SW | COOK | 44 | 10 |
| CONTRACT NO. 62H43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

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



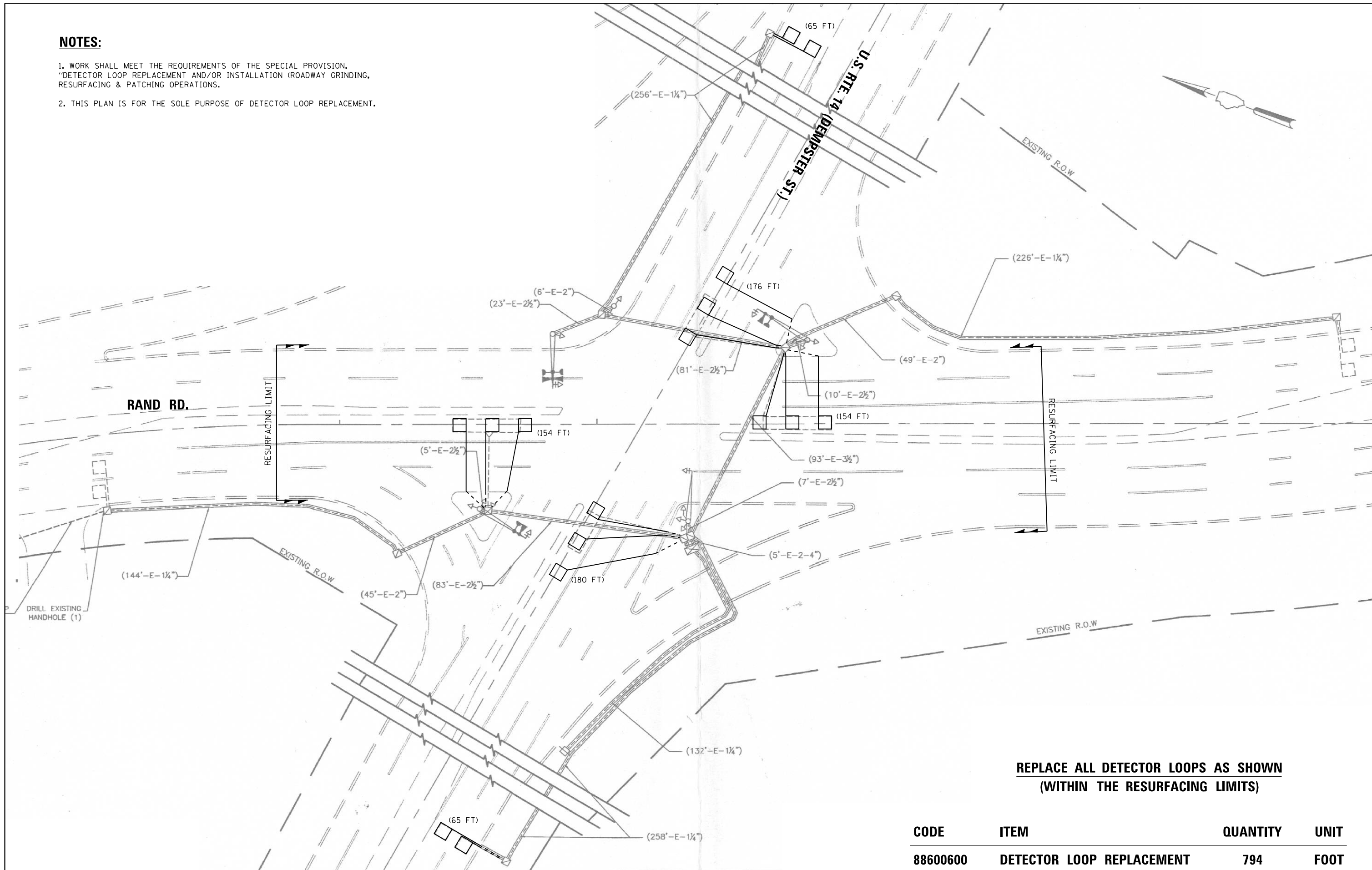
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 399 | FOOT |

| | | | | | | | | | | | | |
|---|-----------------------------|-------------------|-----------|---|--|------------------|------------------------|--------------|---------------------------|--------------|--|--|
| FILE NAME = 62H43 -US 14 @ River Rd.dgn | USER NAME = vargasa | DESIGNED - AV | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETECTOR LOOP REPLACEMENT PLAN U.S. RTE. 14 (NORTHWEST HWY.) AT RIVER RD. | F.A.P. RTE. 3512 | SECTION 2018-104-RS&SW | COUNTY COOK | TOTAL SHEETS 44 | SHEET NO. 12 | | |
| Default | PLOT SCALE = 40.0005' / in. | CHECKED - LP | REVISED - | | | SCALE: | SHEET OF SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | |
| | PLOT DATE = 1/15/2019 | DATE - 12/28/2018 | REVISED - | | | | | | | | | |
| | | | | | | | | | | | | |

NOTES:

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



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

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 794 | FOOT |

| | | | |
|--|-----------------------------|-------------------|-----------|
| FILE NAME = 62H43 -US 14 @ Rand Rd.dgn | USER NAME = vargaso | DESIGNED - AV | REVISED - |
| Default | PLOT SCALE = 40.0032' / in. | DRAWN - AV | REVISED - |
| | PLOT DATE = 1/15/2019 | CHECKED - LP | REVISED - |
| | | DATE - 12/28/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

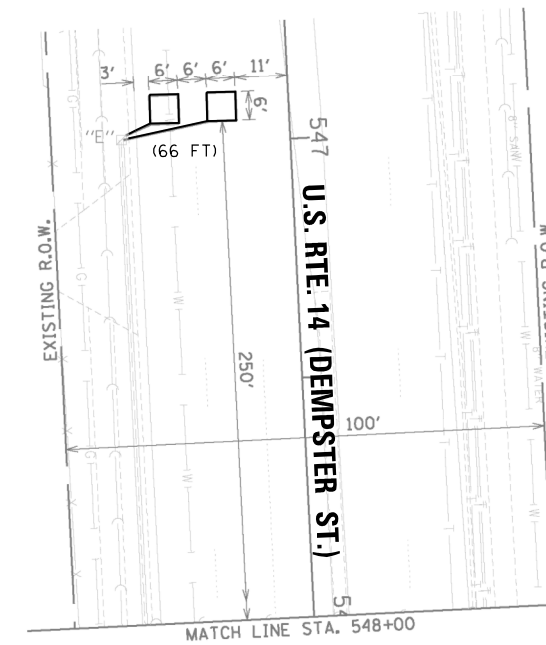
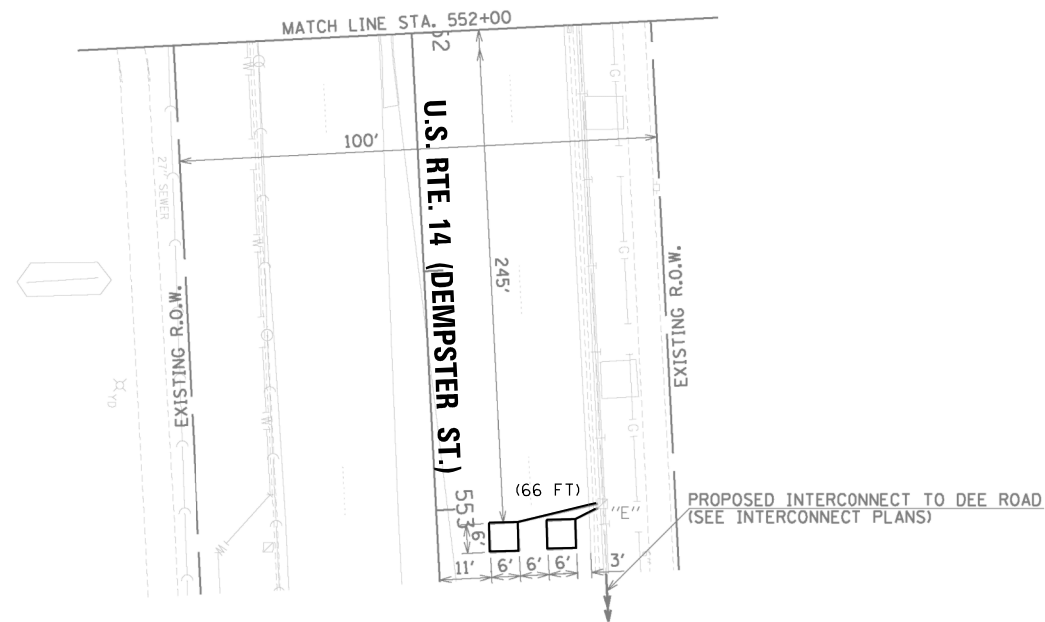
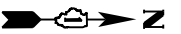
**DETECTOR LOOP REPLACEMENT PLAN
U.S. RTE. 14 (NORTHWEST HWY.) AT RAND RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 3512 | SECTION 2018-104-RS&SW | COUNTY COOK | TOTAL SHEETS 44 | SHEET NO. 13 |
| CONTRACT NO. 62H43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

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



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

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 132 | FOOT |

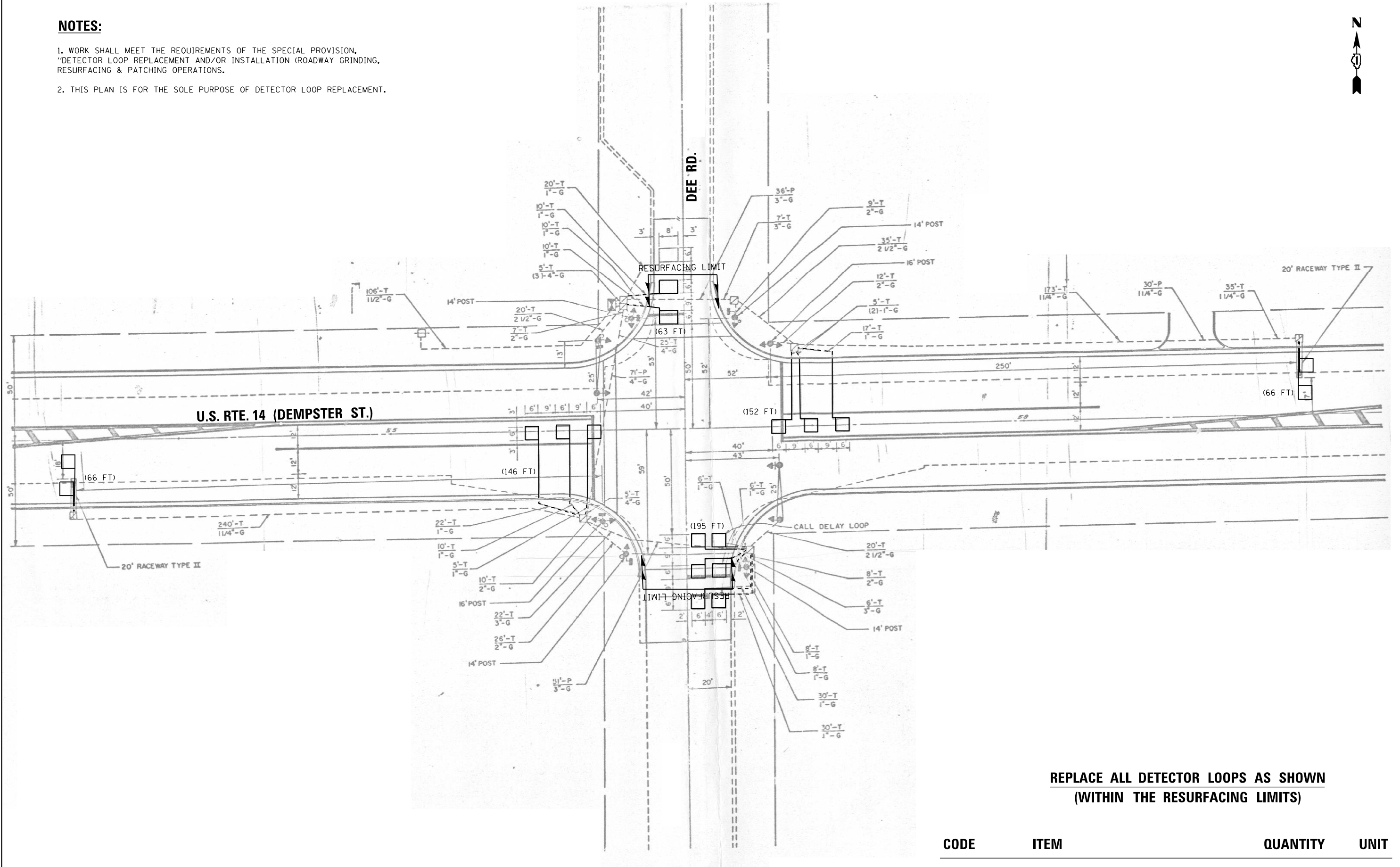
| | | | |
|--|---------------------|-------------------|-----------|
| FILE NAME = 62H43 -US 14 @ Potter Rd 2.dgn | USER NAME = vargosa | DESIGNED - AV | REVISED - |
| | | DRAWN - AV | REVISED - |
| | | CHECKED - LP | REVISED - |
| | | DATE - 12/28/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | | | | |
|--|--|-----------------|----------------|--------------|---------------------------|--------------------|
| DETECTOR LOOP REPLACEMENT PLAN | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| U.S. RTE. 14 (NORTHWEST HWY.) AT POTTER RD. | | 3512 | 2018-104-R5&SW | COOK | 44 | 15 |
| SCALE: | | SHEET OF SHEETS | | STA. TO STA. | ILLINOIS FED. AID PROJECT | |
| | | | | | | CONTRACT NO. 62H43 |

NOTES:

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



| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 688 | FOOT |

FILE NAME = 62H43 -US 14 @ Dee Rd .dgn
Default

| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = vargosa | DESIGNED - AV | REVISED - |
| PLOT SCALE = 48.0051' / in. | DRAWN - AV | REVISED - |
| PLOT DATE = 1/15/2019 | CHECKED - LP | REVISED - |
| | DATE - 12/28/2018 | REVISED - |

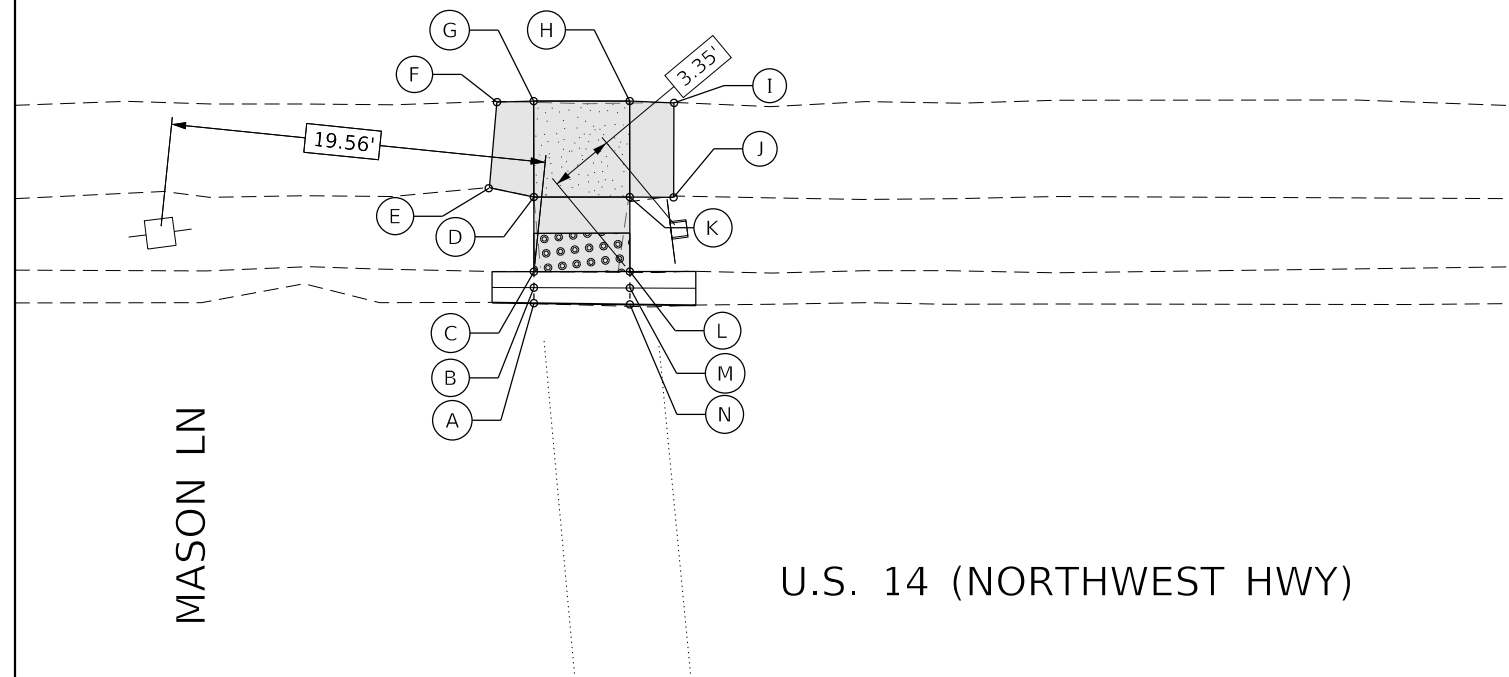
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
U.S. RTE. 14 (NORTHWEST HWY.) AT DEE RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 3512 | SECTION 2018-104-RS&SW | COUNTY COOK | TOTAL SHEETS 44 | SHEET NO. 16 |
| | | | CONTRACT NO. 62H43 | |
| ILLINOIS FED. AID PROJECT | | | | |

INTENTIONALLY LEFT BLANK



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.78) | 630.78 |
| B | (630.74) | 630.73 |
| C | (631.00) | 630.77 |
| D | (630.79) | 630.87 |
| E | (630.89) | 630.89 |
| F | (630.92) | 630.92 |
| G | (630.93) | 630.92 |
| H | (630.94) | 630.92 |
| I | (630.89) | 630.89 |
| J | (630.72) | 630.72 |
| K | (630.75) | 630.87 |
| L | (631.11) | 630.79 |
| M | (630.71) | 630.75 |
| N | (630.75) | 630.75 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 3.88 | 2.6 |
| D-E | 2.35 | 0.8 |
| E-F | 4.81 | 0.7 |
| F-G | 1.90 | 0.0 |
| G-H | 5.00 | 0.0 |
| H-I | 2.31 | 1.3 |
| I-J | 4.90 | 3.5 |
| J-K | 2.28 | 6.6 |
| K-L | 3.88 | 2.1 |
| C-L | 5.00 | 0.4 |
| D-G | 5.04 | 1.0 |
| H-K | 5.00 | 1.0 |
| D-K | 5.00 | 0.0 |

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK

- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 102
 ELEVATION: 630.60
 NORTHING: 1957175.52
 EASTING: 1108372.18
 DESCRIPTION: CUT CROSS SOUTH OF RTE 14 EAST OF MASON LN

V:\001001\60618002.08_P\185.002_K009.60749_US14_ADA_Ramps\01CAD\005\sheet\02_D168149.dwg - AES_US14_MASON LN.nor.txdgn

AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@AESER.COM

| | | |
|------------------------------|-------------------|-----------------|
| USER NAME = tmohammed | DESIGNED - LEG | REVISED - _____ |
| PLLOT SCALE = 10.0000' / in. | DRAWN - FA | REVISED - _____ |
| PLLOT DATE = 11/28/2018 | CHECKED - JA | REVISED - _____ |
| | DATE - 11/28/2018 | REVISED - _____ |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

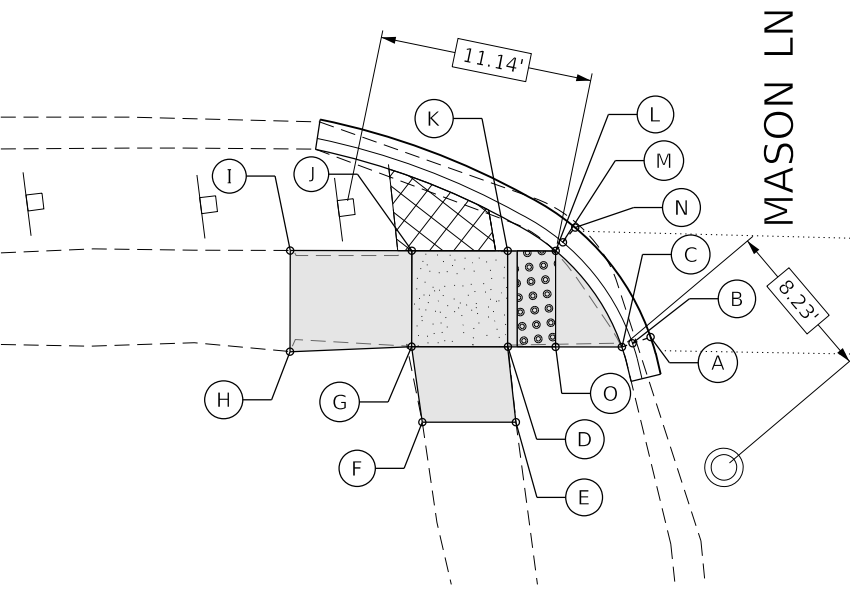
**PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE**

SCALE = 1:10 SHEET 2 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 17 |
| CONTRACT NO. 62H43 | | | | |

ILLINOIS FED. AID PROJECT

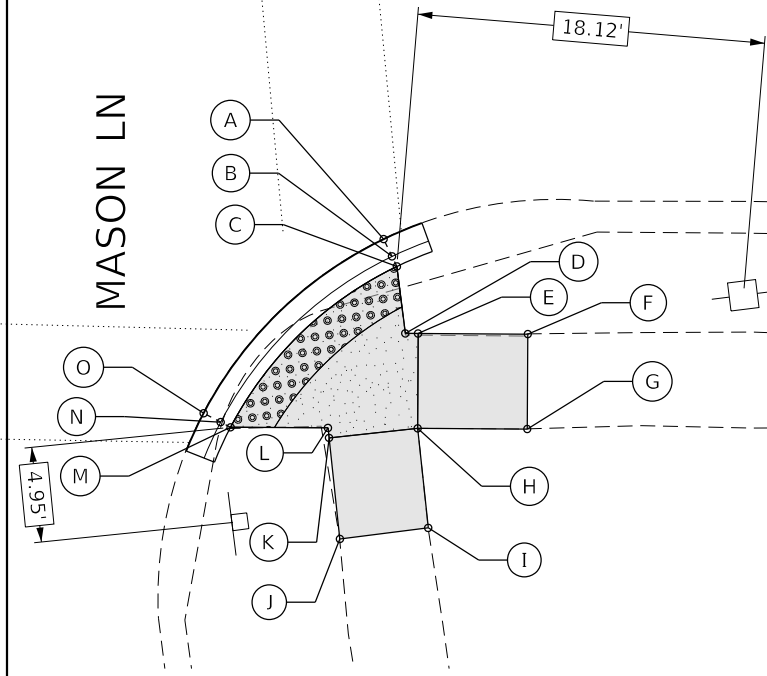
U.S. 14 (NORTHWEST HWY)



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.38) | 630.38 |
| B | (630.33) | 630.34 |
| C | (630.67) | 630.38 |
| D | (630.51) | 630.46 |
| E | (630.58) | 630.58 |
| F | (630.66) | 630.66 |
| G | (630.69) | 630.46 |
| H | (630.47) | 630.47 |
| I | (630.44) | 630.47 |
| J | (630.53) | 630.44 |
| K | (630.62) | 630.44 |
| L | (630.41) | 630.43 |
| M | (630.41) | 630.39 |
| N | (630.43) | 630.43 |
| O | (630.35) | 630.38 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 5.96 | 1.3 |
| D-E | 3.95 | 3.0 |
| E-F | 4.88 | 1.6 |
| F-G | 3.97 | 5.0 |
| G-H | 6.34 | 0.2 |
| H-I | 5.25 | 0.6 |
| I-J | 6.33 | 0.0 |
| J-K | 5.00 | 0.0 |
| K-L | 2.50 | 0.5 |
| G-J | 5.00 | 0.4 |
| D-K | 5.00 | 0.0 |
| D-G | 5.00 | 0.0 |
| C-L | 6.15 | 0.8 |
| C-O | 3.42 | 0.0 |
| O-D | 2.5 | 3.2 |
| O-L | 5.0 | 1.0 |

U.S. 14 (NORTHWEST HWY)



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.48) | 630.48 |
| B | (630.45) | 630.43 |
| C | (630.44) | 630.47 |
| D | (630.55) | 630.47 |
| E | (630.56) | 630.47 |
| F | (630.47) | 630.47 |
| G | (630.56) | 630.56 |
| H | (630.64) | 630.54 |
| I | (630.74) | 630.74 |
| J | (630.64) | 630.64 |
| K | (630.56) | 630.47 |
| L | (630.56) | 630.47 |
| M | (630.36) | 630.40 |
| N | (630.43) | 630.36 |
| O | (630.41) | 630.41 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 3.51 | 0.0 |
| D-E | 0.67 | 0.0 |
| E-F | 5.71 | 0.0 |
| F-G | 4.94 | 1.8 |
| G-H | 5.72 | 0.3 |
| H-I | 5.21 | 3.6 |
| I-J | 4.64 | 1.9 |
| J-K | 5.29 | 3.2 |
| K-L | 0.53 | 0.0 |
| L-M | 5.07 | 1.4 |
| M-C | 12.24 | 0.6 |
| H-K | 4.64 | 1.5 |
| E-H | 4.94 | 1.4 |

CONTROL POINT: 103
 ELEVATION: 630.64
 NORTHING: 1957196.53
 EASTING: 1108210.54
 DESCRIPTION: CUT CROSS SOUTH OF RTE 14 WEST OF MASON LN

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 102
 ELEVATION: 630.60
 NORTHING: 1957175.52
 EASTING: 1108372.18
 DESCRIPTION: CUT CROSS SOUTH OF RET 14 EAST OF MASON LN

V:\001\DOT\60618002.08_P\1185_002_W009_60749_US14_ADA_Ramps\01CAD\005\Sheet\03_D160149_sht1-ADA-AES_US14_MASON LN_south.dgn



USER NAME = tmohammed
 DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018
 PLOT SCALE = 10.0000' / 1" IN.
 PLOT DATE = 11/28/2018

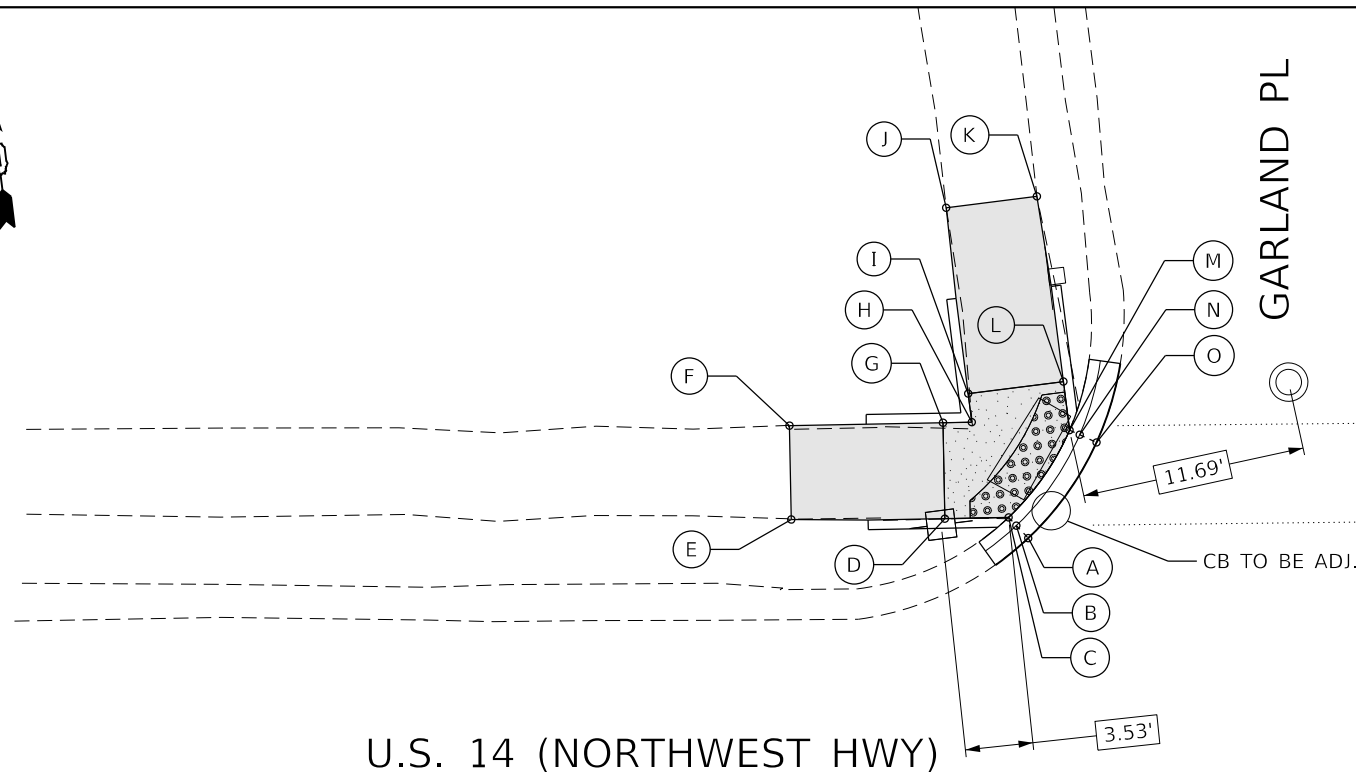
REVISOR -
 REVISION -
 REVISOR -
 REVISION -
 REVISOR -
 REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
US 14 FROM WESTERN AVE TO VERNON AVE
 SCALE = 1:10 SHEET 3 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 18 |
| CONTRACT NO. 62H43 | | | | |

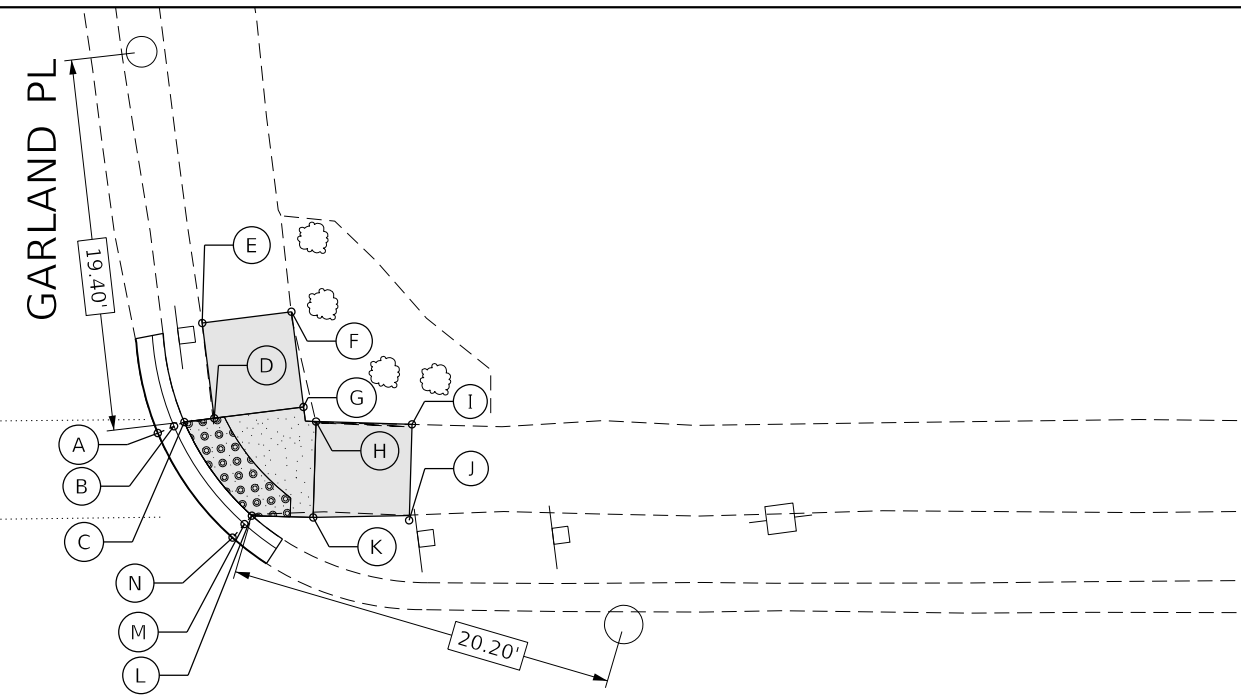
ILLINOIS FED. AID PROJECT



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.50) | 630.50 |
| B | (630.72) | 630.49 |
| C | (630.63) | 630.53 |
| D | (630.97) | 630.58 |
| E | (631.00) | 631.00 |
| F | (631.07) | 631.07 |
| G | (631.00) | 630.65 |
| H | (630.96) | 630.65 |
| I | (631.07) | 630.65 |
| J | (631.41) | 631.41 |
| K | (631.30) | 631.30 |
| L | (630.83) | 630.60 |
| M | (630.63) | 630.57 |
| N | (630.53) | 630.53 |
| O | (630.54) | 630.54 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 3.32 | 1.5 |
| D-E | 8.00 | 5.3 |
| E-F | 4.89 | 1.4 |
| F-G | 8.00 | 5.3 |
| G-H | 1.50 | 0.0 |
| H-I | 1.50 | 0.0 |
| I-J | 9.38 | 7.8 |
| J-K | 4.77 | 2.3 |
| K-L | 9.75 | 7.12 |
| L-M | 2.55 | 1.2 |



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.64) | 630.64 |
| B | (630.61) | 630.62 |
| C | (630.67) | 630.66 |
| D | (630.67) | 630.67 |
| E | (630.88) | 630.88 |
| F | (630.93) | 630.93 |
| G | (630.78) | 630.72 |
| H | (660.77) | 630.72 |
| I | (630.84) | 630.84 |
| J | (630.75) | 630.75 |
| K | (630.78) | 630.67 |
| L | (630.69) | 630.63 |
| M | (630.59) | 630.59 |
| N | (630.60) | 630.60 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 1.50 | 1.0 |
| D-E | 5.00 | 4.2 |
| E-F | 4.68 | 1.0 |
| F-G | 5.00 | 4.2 |
| G-H | 0.75 | 0.0 |
| H-I | 0.50 | 2.4 |
| I-J | 4.72 | 1.9 |
| J-K | 5.00 | 1.6 |
| K-L | 3.20 | 1.3 |
| G-D | 4.68 | 1.0 |
| H-K | 5.00 | 1.0 |
| L-C | 6.06 | 0.5 |

V:\001\DOT\60618002.08_P\1805_002_W009_60749_US14_ADA_Ramps\01CAD\005\Sheet\04_D1601.rvt-ADA-AES_US14_GARLAND_PL.dgn

CONTROL POINT: 104
 ELEVATION: 631.15
 NORTHING: 1957216.78
 EASTING: 1108488.24
 DESCRIPTION: CUT CROSS NORTH OF RTE 14 WEST OF GARLAND PL

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 105
 ELEVATION: 631.11
 NORTHING: 1957197.90
 EASTING: 1108665.90
 DESCRIPTION: CUT CROSS NORTH OF RTE 14 EAST OF GARLAND PL



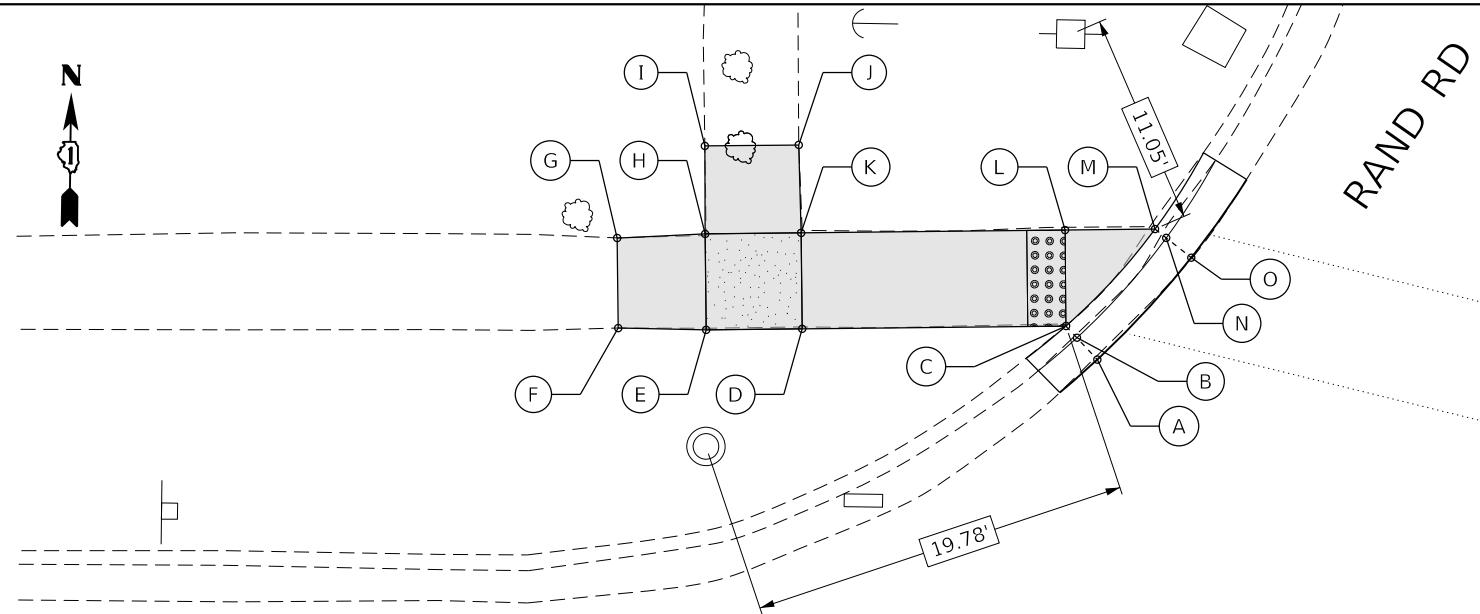
| | | |
|----------------------------|-------------------|-----------|
| USER NAME = tmohammed | DESIGNED - LEG | REVISED - |
| PLOT SCALE = 10.0000' / 1" | DRAWN - FA | REVISED - |
| PLOT DATE = 11/28/2018 | CHECKED - JA | REVISED - |
| | DATE - 11/28/2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
US 14 FROM WESTERN AVE TO VERNON AVE
 SCALE = 1:10 SHEET 4 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 19 |
| CONTRACT NO. 62H43 | | | | |

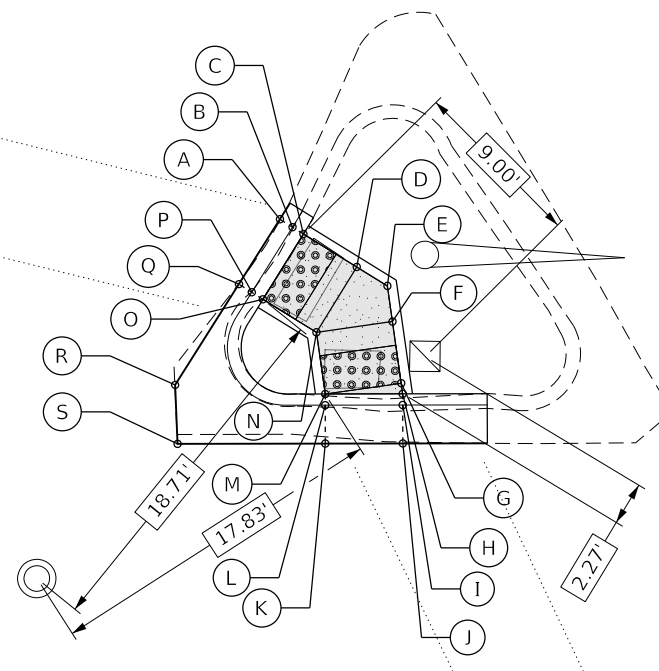
ILLINOIS FED. AID PROJECT



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.81) | 630.83 |
| B | (630.74) | 630.78 |
| C | (630.82) | 630.82 |
| D | (631.12) | 631.25 |
| E | (631.31) | 631.30 |
| F | (631.42) | 631.42 |
| G | (631.54) | 631.54 |
| H | (631.42) | 631.35 |
| I | (631.43) | 631.43 |
| J | (631.35) | 631.35 |
| K | (631.33) | 631.30 |
| L | (630.95) | 630.87 |
| M | (630.89) | 630.80 |
| N | (630.58) | 630.76 |
| O | (630.81) | 630.81 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 13.75 | 3.1 |
| C-L | 5.00 | 1.0 |
| D-E | 5.00 | 1.0 |
| D-K | 5.00 | 1.0 |
| E-F | 4.59 | 2.6 |
| E-H | 5.00 | 1.0 |
| F-G | 4.70 | 2.6 |
| G-H | 4.59 | 4.1 |
| H-I | 4.58 | 1.7 |
| I-J | 4.89 | 1.6 |
| J-K | 4.58 | 1.1 |
| K-L | 13.75 | 3.1 |
| L-M | 4.68 | 1.5 |



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.99) | 630.99 |
| B | (630.99) | 630.99 |
| C | (631.18) | 631.03 |
| D | (631.46) | 631.08 |
| E | (631.47) | 631.08 |
| F | (631.45) | 631.08 |
| G | (631.34) | 631.11 |
| H | (631.35) | 631.11 |
| I | (631.16) | 631.07 |
| J | (631.10) | 631.10 |
| K | (631.13) | 631.13 |
| L | (631.11) | 631.09 |
| M | (631.32) | 631.13 |
| N | (631.47) | 631.10 |
| O | (631.13) | 631.05 |
| P | (631.00) | 631.01 |
| Q | (630.99) | 630.99 |
| R | (631.03) | 631.03 |
| S | (631.08) | 631.08 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 3.26 | 1.5 |
| C-O | 4.00 | 0.0 |
| D-E | 1.87 | 0.0 |
| D-N | 4.00 | 0.5 |
| E-F | 1.87 | 0.0 |
| F-G | 3.24 | 0.9 |
| F-N | 4.00 | 0.5 |
| G-H | 0.55 | 0.0 |
| G-M | 4.00 | 0.5 |
| M-N | 3.24 | 0.9 |
| N-O | 3.27 | 1.5 |

CONTROL POINT: 106
 ELEVATION: 631.73
 NORTHING: 1957200.43
 EASTING: 1109649.12
 DESCRIPTION: CUT CROSS NORTH OF RTE 14 WEST OF RAND RD

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 106
 ELEVATION: 631.73
 NORTHING: 1957200.43
 EASTING: 1109649.12
 DESCRIPTION: CUT CROSS NORTH OF RTE 14 WEST OF RAND RD

V:\001\DOT\60618\002_08_P\18185_002_0009_60749_US14_ADA_Ramps\01\CADD\005\Sheet\05_D1681.rvt-ADA-AES_US14 RAND RD_northwest.dgn

AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@AESER.COM

USER NAME = tmohammed
 DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018
 PLOT SCALE = 10.0000' / 1" IN.
 PLOT DATE = 11/28/2018

REVISOR -
 REVISION -
 REVISOR -
 REVISION -
 REVISOR -
 REVISION -

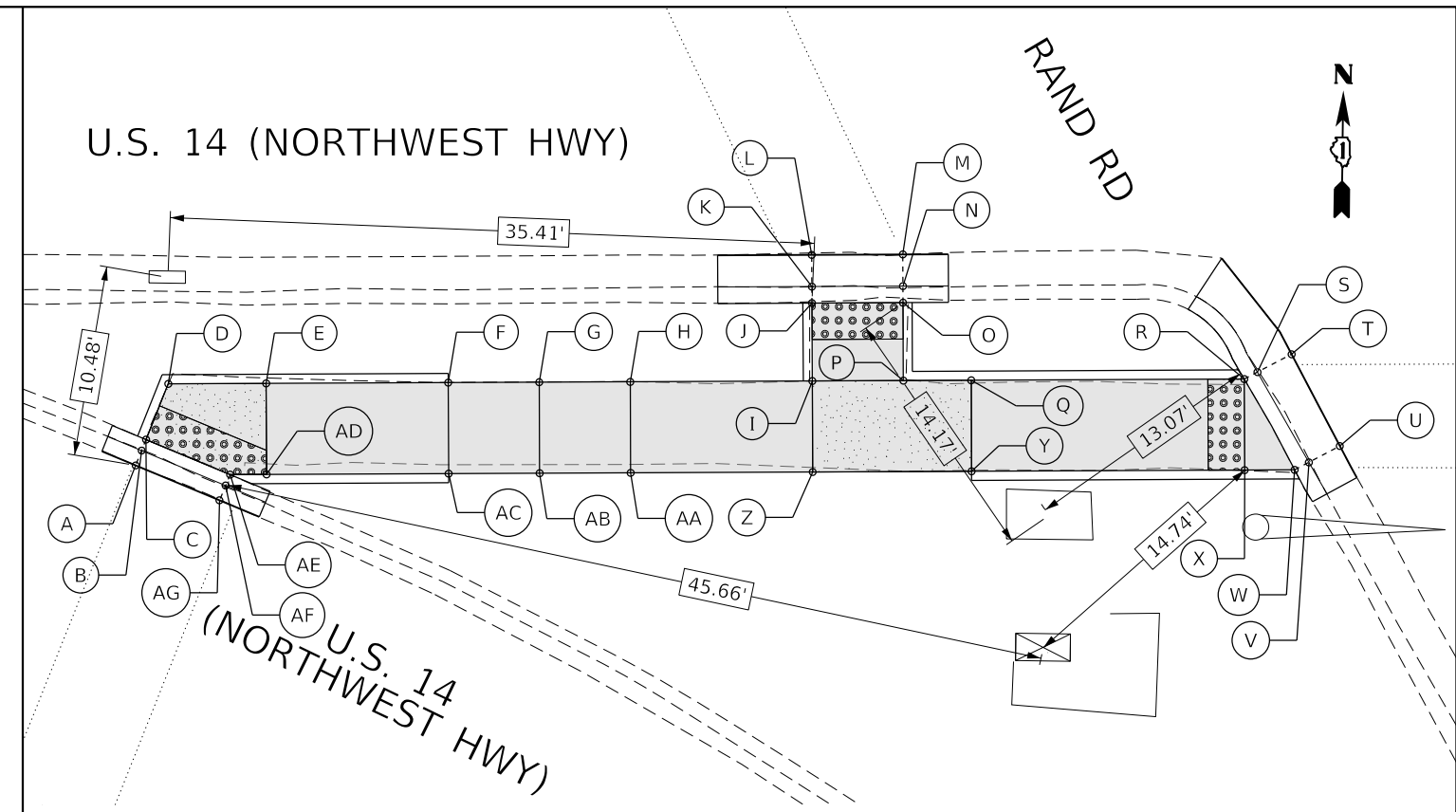
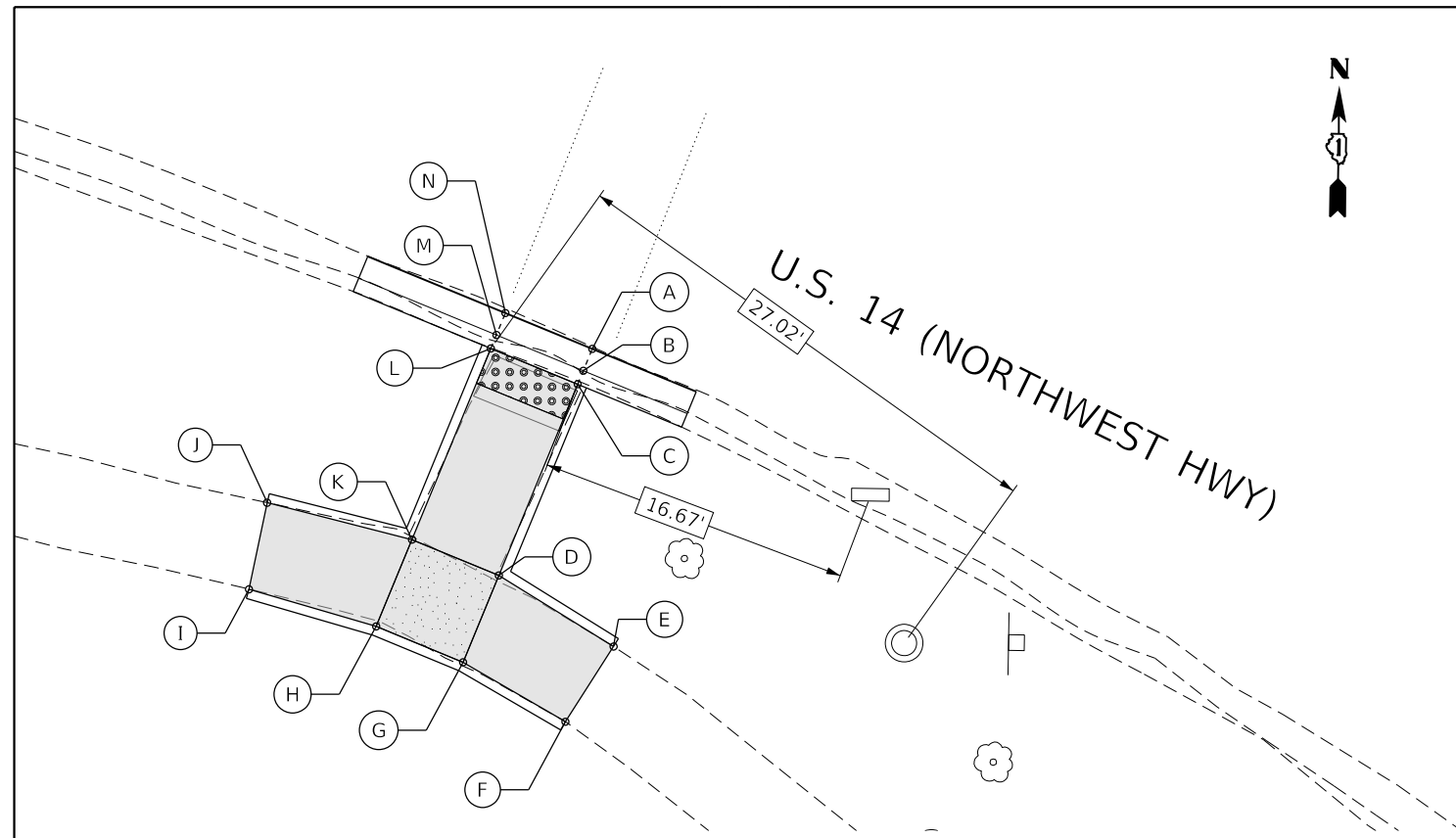
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE

SCALE = 1:10 SHEET 5 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 20 |

CONTRACT NO. 62H43
 ILLINOIS FED. AID PROJECT



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.65) | 630.65 |
| B | (630.62) | 630.64 |
| C | (630.85) | 630.68 |
| D | (631.95) | 631.46 |
| E | (631.90) | 631.90 |
| F | (632.00) | 632.00 |
| G | (632.06) | 631.51 |
| H | (632.12) | 631.57 |
| I | (632.13) | 632.13 |
| J | (632.08) | 632.08 |
| K | (632.03) | 631.51 |
| L | (630.93) | 630.73 |
| M | (630.68) | 630.69 |
| N | (630.73) | 630.73 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 11.00 | 7.1 |
| C-L | 5.00 | 1.0 |
| D-E | 7.18 | 6.1 |
| D-G | 5.00 | 1.0 |
| D-K | 5.00 | 1.0 |
| E-F | 4.75 | 2.1 |
| F-G | 6.30 | 7.8 |
| G-H | 5.00 | 1.2 |
| H-I | 7.05 | 7.9 |
| H-K | 5.00 | 1.2 |
| I-J | 4.74 | 1.0 |
| J-K | 7.95 | 7.2 |
| K-L | 11.00 | 7.1 |

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (630.93) | 630.93 |
| B | (630.89) | 630.92 |
| C | (631.27) | 630.96 |
| D | (631.30) | 631.01 |
| E | (631.45) | 631.06 |
| F | (631.56) | 631.56 |
| G | (631.59) | 631.61 |
| H | (631.61) | 631.56 |
| I | (631.70) | 631.45 |
| J | (631.40) | 631.15 |
| K | (631.10) | 631.11 |
| L | (631.13) | 631.13 |
| M | (631.14) | 631.14 |
| N | (631.12) | 631.13 |
| O | (631.38) | 631.17 |
| P | (631.65) | 631.47 |
| Q | (631.60) | 631.51 |
| R | (631.53) | 631.30 |
| S | (631.26) | 631.26 |
| T | (631.31) | 631.31 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 3.30 | 1.2 |
| C-AE | 5.00 | 0.4 |
| D-E | 5.38 | 0.9 |
| E-F | 10.00 | 5.0 |
| E-AD | 5.00 | 1.0 |
| F-G | 5.00 | 1.0 |
| F-AC | 5.00 | 1.0 |
| G-H | 5.00 | 1.0 |
| G-AB | 5.00 | 1.0 |
| H-I | 10.00 | 1.0 |
| H-AA | 5.00 | 1.0 |
| I-J | 4.28 | 7.0 |
| I-P | 5.00 | 0.4 |
| I-Z | 5.00 | 1.0 |
| J-O | 5.00 | 0.4 |
| O-P | 4.28 | 7.0 |
| P-Q | 3.73 | 1.1 |
| Q-R | 15.00 | 1.4 |
| Q-Y | 5.00 | 0.0 |
| R-X | 5.00 | 0.6 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| X-W | 2.74 | 1.1 |
| X-Y | 15.00 | 1.2 |
| Y-Z | 8.73 | 1.2 |
| Z-AA | 10.00 | 1.1 |
| AA-AB | 5.00 | 1.0 |
| AB-AC | 5.00 | 1.0 |
| AC-AD | 10.00 | 5.0 |
| AD-AE | 2.00 | 1.5 |

CONTROL POINT: 107
 ELEVATION: 632.02
 NORTHING: 1957084.74
 EASTING: 1109693.78
 DESCRIPTION: CUT CROSS SOUTH OF RTE 14 WEST OF RAND RD

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 107
 ELEVATION: 632.02
 NORTHING: 1957084.74
 EASTING: 1109693.78
 DESCRIPTION: CUT CROSS SOUTH OF RTE 14 WEST OF RAND RD

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AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@AESER.COM

USER NAME = tmohammed
 DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018
 PLOT SCALE = 10.0000' / 1" / in.
 PLOT DATE = 11/28/2018

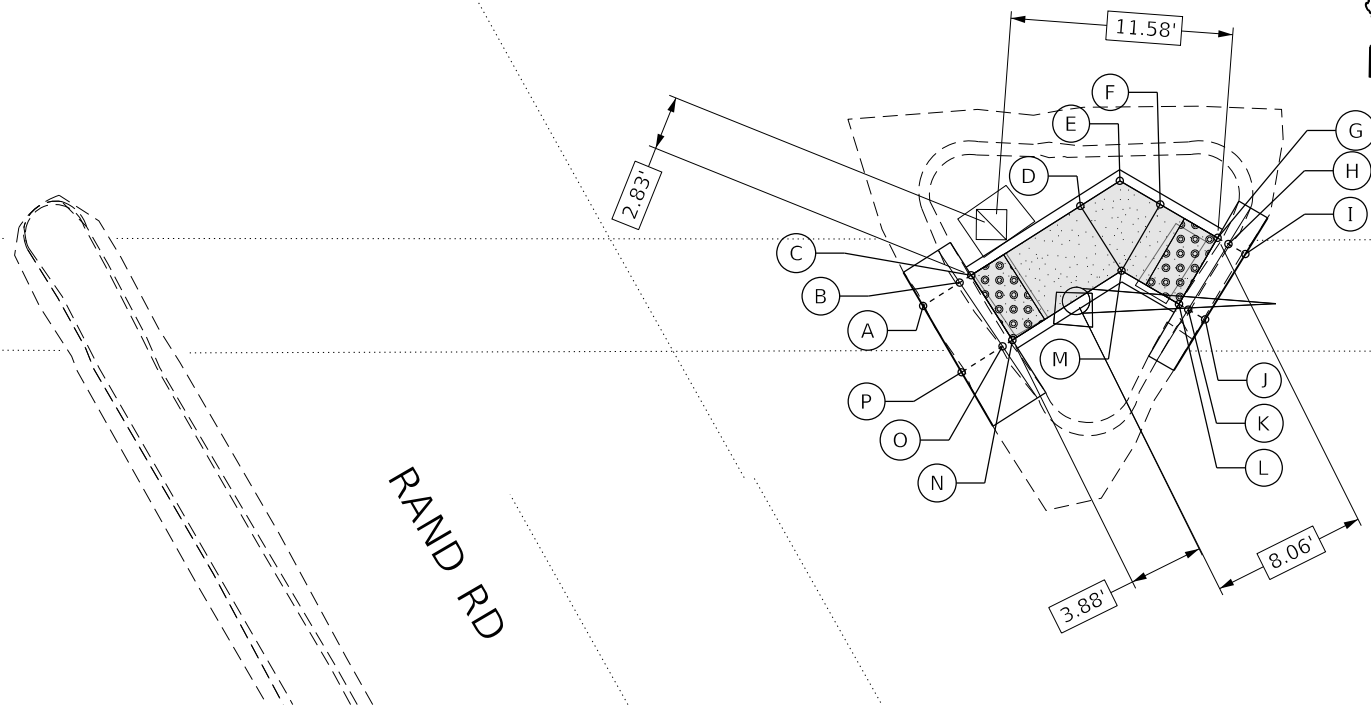
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 REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
US 14 FROM WESTERN AVE TO VERNON AVE
 SCALE = 1:10 SHEET 6 OF 34 SHEETS STA. _____ TO STA. _____

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3512 | 2018-104-RS&SW | COOK | 44 | 21 |
| CONTRACT NO. 62H43 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

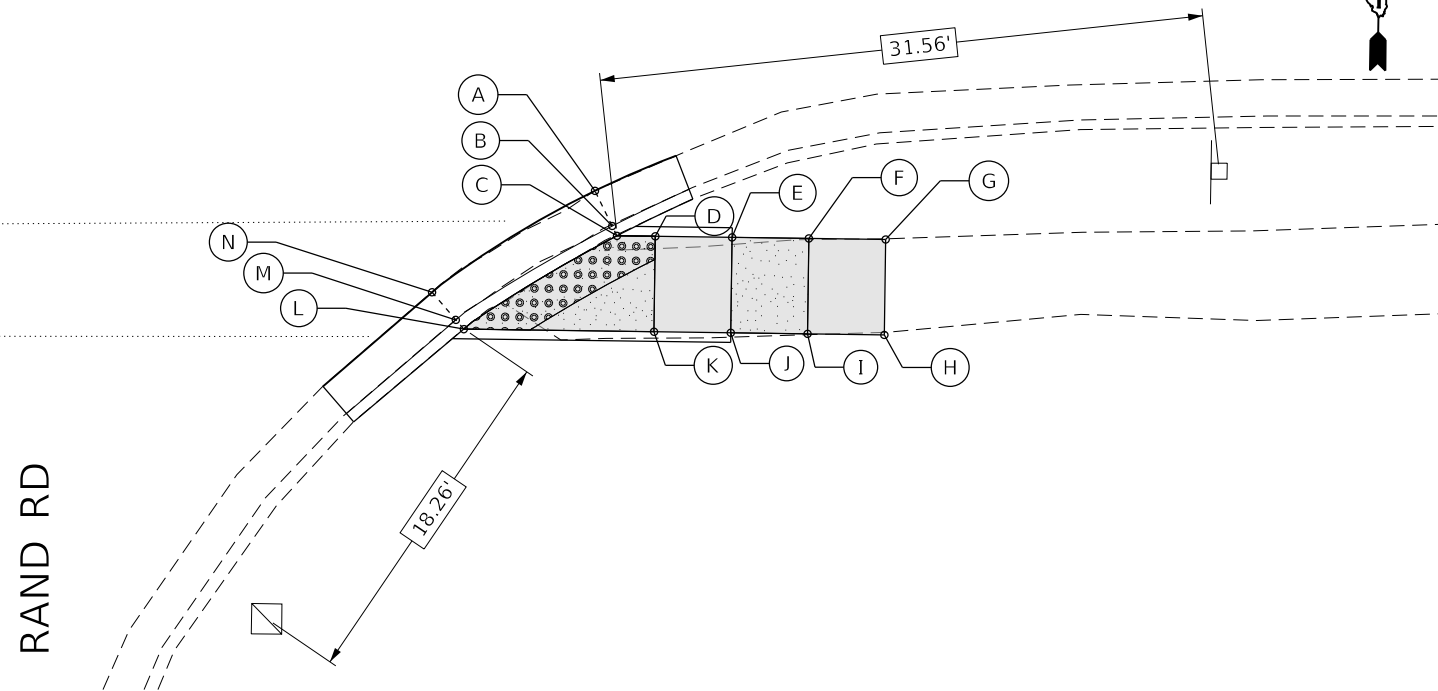
U.S. 14 (NORTHWEST HWY)



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (631.16) | 631.16 |
| B | (631.14) | 631.11 |
| C | (631.21) | 631.15 |
| D | (631.53) | 631.25 |
| E | (631.56) | 631.25 |
| F | (631.53) | 631.25 |
| G | (631.28) | 631.21 |
| H | (631.19) | 631.17 |
| I | (631.18) | 631.18 |
| J | (631.18) | 631.18 |
| K | (631.18) | 631.17 |
| L | (631.20) | 631.21 |
| M | (631.43) | 631.23 |
| N | (631.23) | 631.13 |
| O | (631.16) | 631.09 |
| P | (631.14) | 631.14 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 6.74 | 1.5 |
| D-E | 2.43 | 0.0 |
| E-F | 2.43 | 0.0 |
| F-G | 3.46 | 1.2 |
| G-L | 3.97 | 0.0 |
| L-M | 3.46 | 0.6 |
| M-N | 6.74 | 1.5 |
| N-C | 4.0 | 0.5 |
| M-D | 4.0 | 0.5 |
| M-F | 4.0 | 0.5 |

U.S. 14 (NORTHWEST HWY)



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (631.16) | 631.16 |
| B | (631.12) | 631.11 |
| C | (631.46) | 631.15 |
| D | (631.52) | 631.17 |
| E | (631.48) | 631.42 |
| F | (631.41) | 631.42 |
| G | (631.43) | 631.43 |
| H | (631.56) | 631.56 |
| I | (631.52) | 631.46 |
| J | (631.50) | 631.42 |
| K | (631.47) | 631.17 |
| L | (631.44) | 631.10 |
| M | (631.06) | 631.06 |
| N | (631.11) | 631.11 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 2.00 | 1.0 |
| D-E | 4.0 | 5.0 |
| E-F | 4.0 | 0.0 |
| F-G | 4.0 | 0.3 |
| G-H | 4.99 | 2.6 |
| H-I | 4.0 | 2.5 |
| I-J | 4.0 | 1.0 |
| J-K | 4.0 | 5.0 |
| K-L | 9.91 | 0.7 |
| D-K | 4.97 | 0.0 |
| E-J | 4.97 | 0.0 |
| F-I | 4.97 | 0.8 |
| C-L | 9.35 | 0.5 |

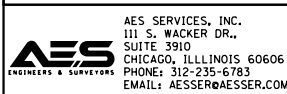
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CONTROL POINT: 108
 ELEVATION: 631.66
 NORTHING: 1957114.31
 EASTING: 1109988.57
 DESCRIPTION: FOUND CUT CROSS IN SIDEWALK SOUTH SIDE RTE 14 EAST OF RAND RD

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 108
 ELEVATION: 631.66
 NORTHING: 1957114.31
 EASTING: 1109988.57
 DESCRIPTION: FOUND CUT CROSS IN SIDEWALK SOUTH SIDE RTE 14 EAST OF RAND RD



USER NAME = tmohammed
 DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018

REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:

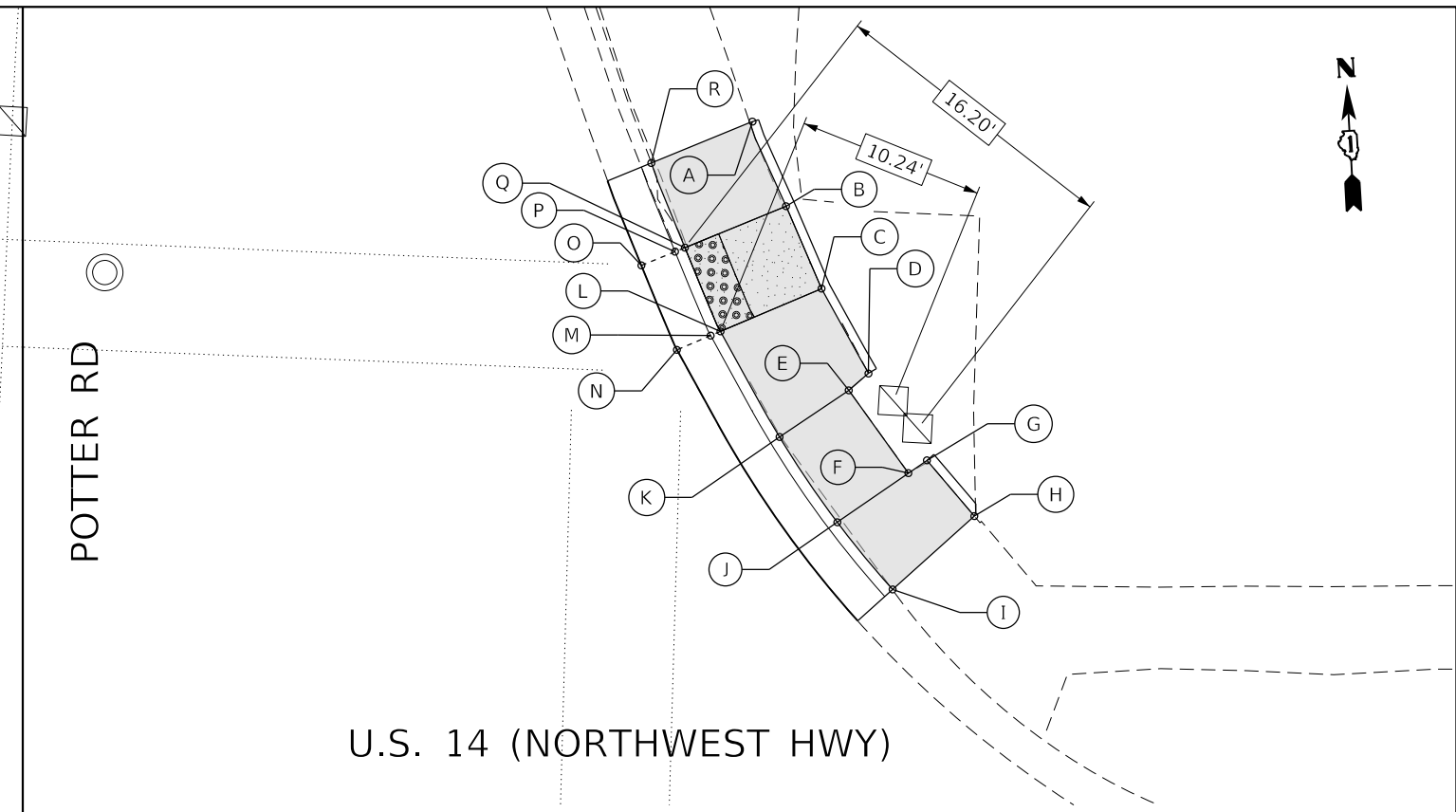
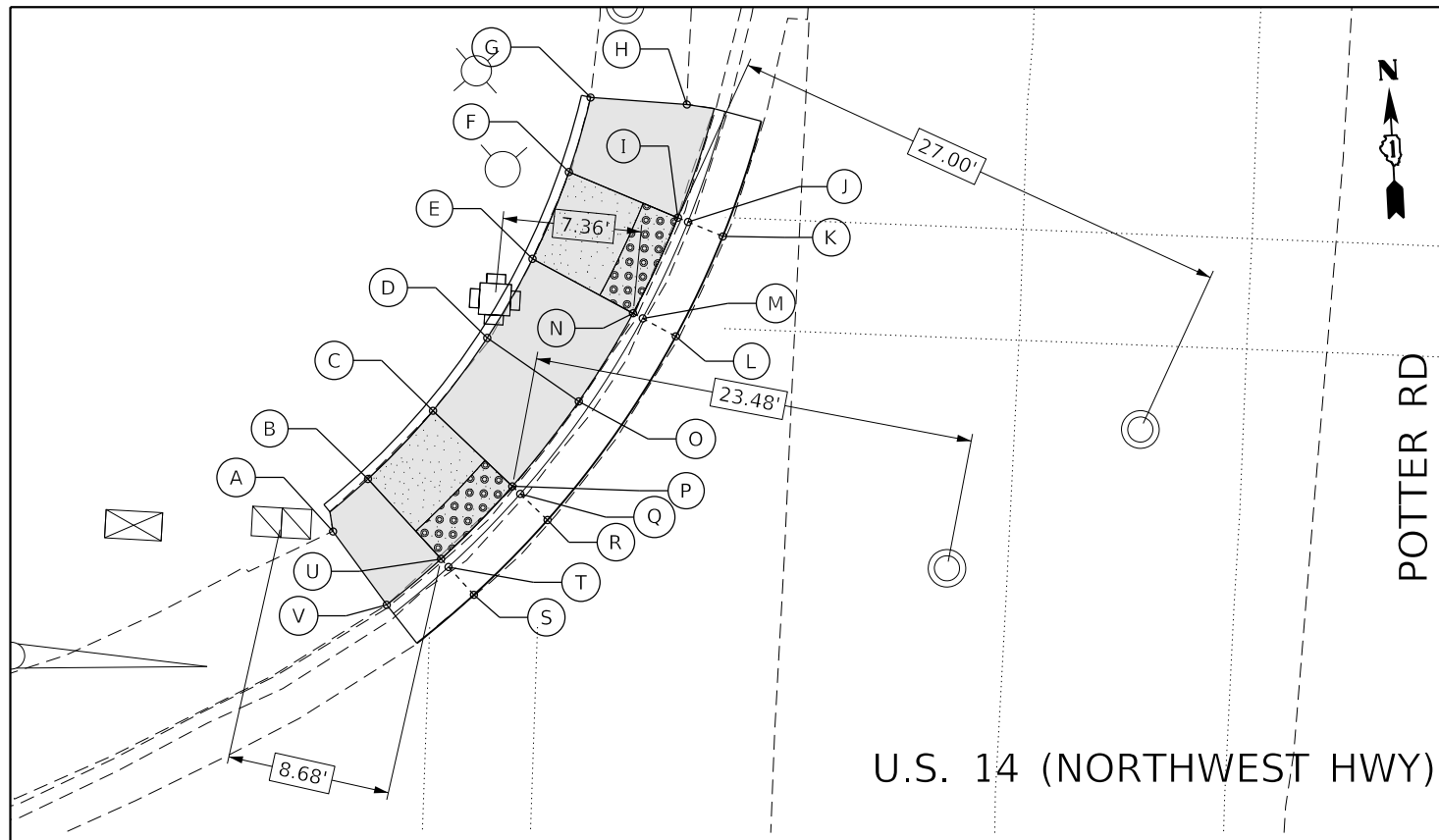
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE

SCALE = 1:10 SHEET 7 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 22 |
| CONTRACT NO. 62H43 | | | | |

ILLINOIS FED. AID PROJECT



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (636.48) | 636.48 |
| B | (636.58) | 636.27 |
| C | (636.65) | 636.33 |
| D | (636.73) | 636.43 |
| E | (636.71) | 636.50 |
| F | (636.87) | 636.57 |
| G | (636.87) | 636.87 |
| H | (636.87) | 636.87 |
| I | (636.44) | 636.48 |
| J | (636.35) | 636.44 |
| K | (636.44) | 636.44 |
| L | (636.37) | 636.37 |
| M | (636.27) | 636.37 |
| N | (636.36) | 636.41 |

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| O | (636.62) | 636.40 |
| P | (636.26) | 636.24 |
| Q | (636.19) | 636.20 |
| R | (636.22) | 636.22 |
| S | (636.16) | 636.16 |
| T | (636.13) | 636.14 |
| U | (636.17) | 636.18 |
| V | (636.39) | 636.39 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| A-B | 2.67 | 6.3 |
| A-V | 5.78 | 1.9 |
| B-C | 5.00 | 1.2 |
| B-U | 5.75 | 1.5 |
| C-D | 4.82 | 2.0 |
| C-P | 5.81 | 1.5 |
| D-E | 4.84 | 1.4 |
| D-O | 5.91 | 0.5 |
| E-F | 5.00 | 1.4 |
| E-N | 6.06 | 1.5 |
| F-G | 4.18 | 7.3 |
| F-I | 6.28 | 1.4 |
| G-H | 5.12 | 0.0 |
| H-I | 6.02 | 6.2 |
| I-N | 5.60 | 1.2 |
| N-O | 5.50 | 0.2 |
| O-P | 5.73 | 2.8 |
| P-U | 5.39 | 1.1 |
| U-V | 3.78 | 5.6 |

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (637.11) | 637.11 |
| B | (637.15) | 636.75 |
| C | (637.19) | 636.80 |
| D | (637.53) | 636.86 |
| E | (637.33) | 636.85 |
| F | (637.24) | 637.24 |
| G | (637.24) | 637.24 |
| H | (637.52) | 637.52 |
| I | (637.29) | 637.29 |
| J | (637.07) | 637.08 |
| K | (636.84) | 636.83 |
| L | (636.73) | 636.73 |
| M | (636.76) | 636.69 |
| N | (636.71) | 636.71 |
| O | (636.66) | 636.66 |
| P | (636.66) | 636.64 |
| Q | (636.72) | 636.68 |
| R | (637.00) | 637.00 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| A-B | 5.00 | 7.2 |
| A-R | 6.00 | 1.8 |
| B-C | 4.93 | 1.0 |
| B-Q | 6.00 | 1.2 |
| C-D | 5.32 | 1.1 |
| C-L | 6.03 | 1.2 |
| D-E | 1.44 | 0.7 |
| D-K | 6.01 | 0.5 |
| E-F | 5.60 | 6.9 |
| F-G | 1.24 | 0.0 |
| G-H | 4.02 | 6.9 |
| G-J | 5.98 | 2.8 |
| H-I | 6.03 | 2.1 |
| I-J | 4.78 | 4.4 |
| J-K | 5.66 | 4.4 |
| K-L | 6.64 | 1.5 |
| L-Q | 5.00 | 1.0 |
| Q-R | 5.00 | 6.4 |

CONTROL POINT: 115
 ELEVATION: 635.30
 NORTHING:
 EASTING:
 DESCRIPTION: CUT CROSS NORTH OF RTE 14 ON SIDEWALK ABOUT 75 FT WEST OF POTTER RD

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 114
 ELEVATION: 636.83
 NORTHING:
 EASTING:
 DESCRIPTION: CUT CROSS ON SIDEWALK EAST OF POTTER RD ABOUT 60 FT NORTH OF RTE 14

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AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@AESER.COM

USER NAME = tmohammed
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 11/28/2018

DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018

REVISED - _____
 REVISED - _____
 REVISED - _____
 REVISED - _____

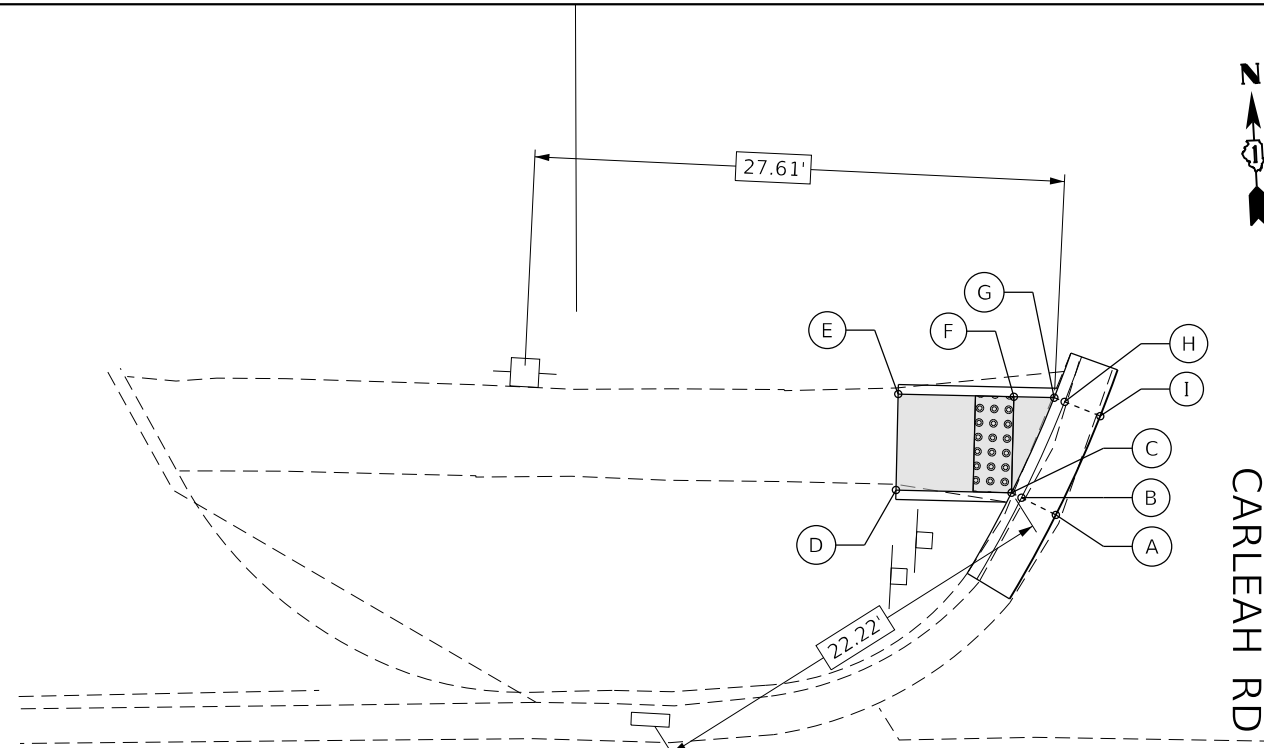
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
US 14 FROM WESTERN AVE TO VERNON AVE

SCALE = 1:10 SHEET 10 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-R5&SW | COOK | 44 | 25 |
| CONTRACT NO. 62H43 | | | | |

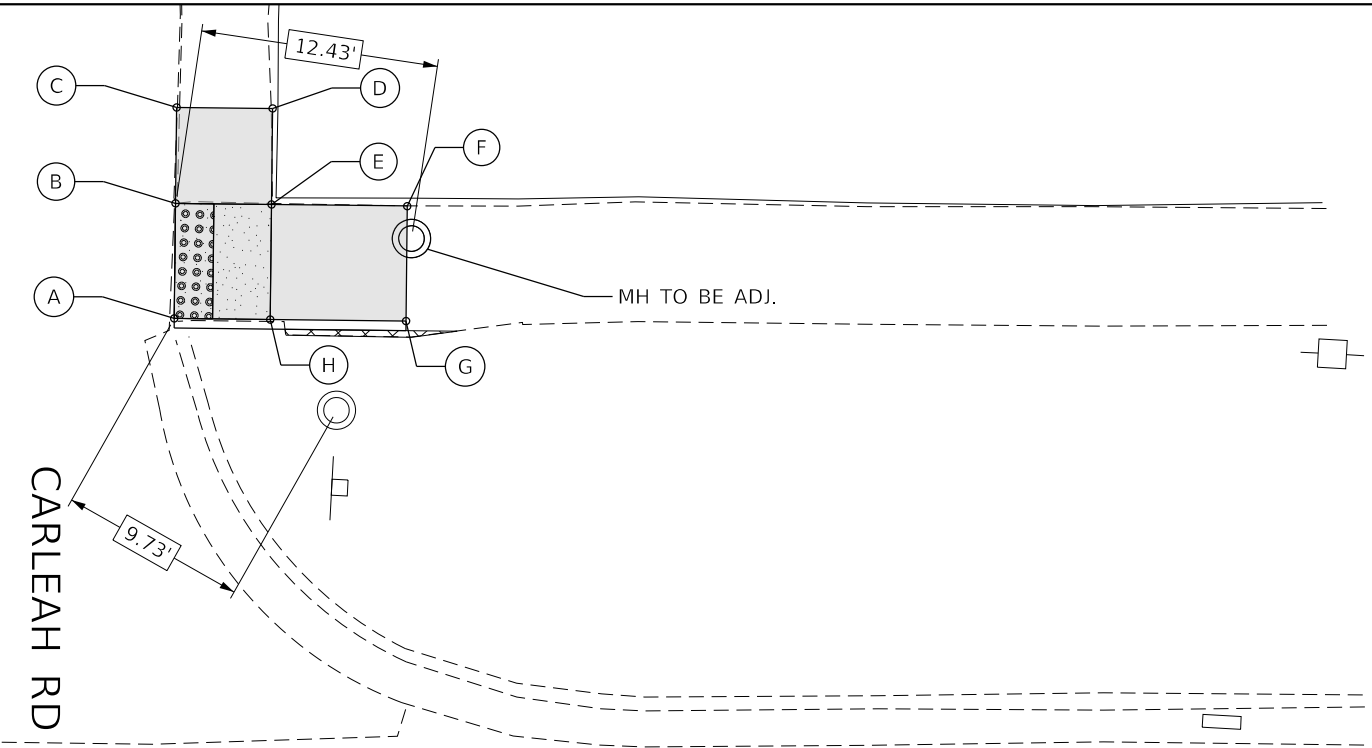
ILLINOIS FED. AID PROJECT



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (637.99) | 637.99 |
| B | (638.01) | 637.93 |
| C | (638.24) | 637.97 |
| D | (638.16) | 638.16 |
| E | (638.20) | 638.20 |
| F | (638.21) | 637.92 |
| G | (638.10) | 637.89 |
| H | (637.88) | 637.85 |
| I | (637.86) | 637.85 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 6.00 | 3.2 |
| D-E | 5.00 | 0.7 |
| E-F | 6.00 | 4.6 |
| F-G | 2.01 | 1.4 |
| F-C | 5.00 | 1.0 |
| G-C | 5.40 | 1.5 |



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (638.10) | 638.10 |
| B | (638.10) | 638.10 |
| C | (638.14) | 638.14 |
| D | (638.16) | 638.16 |
| E | (638.08) | 638.15 |
| F | (638.02) | 638.02 |
| G | (637.97) | 637.97 |
| H | (638.04) | 638.15 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| A-B | 6.00 | 0.0 |
| B-C | 5.00 | 0.8 |
| C-D | 5.00 | 0.4 |
| D-E | 5.00 | 0.2 |
| E-F | 7.00 | 1.8 |
| F-G | 6.00 | 0.9 |
| G-H | 7.00 | 2.5 |
| H-A | 5.00 | 1.0 |
| E-B | 5.00 | 1.0 |
| E-H | 6.00 | 0.0 |

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CONTROL POINT: 118
 ELEVATION: 639.82
 NORTHING: 1957358.76
 EASTING: 1113470.17
 DESCRIPTION: ON NORTH SIDE OF RTE 14 ON CVS TRAFFIC ISLAND

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 118
 ELEVATION: 639.82
 NORTHING: 1957358.76
 EASTING: 1113470.17
 DESCRIPTION: ON NORTH SIDE OF RTE 14 ON CVS TRAFFIC ISLAND



USER NAME = tmohammed
 DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

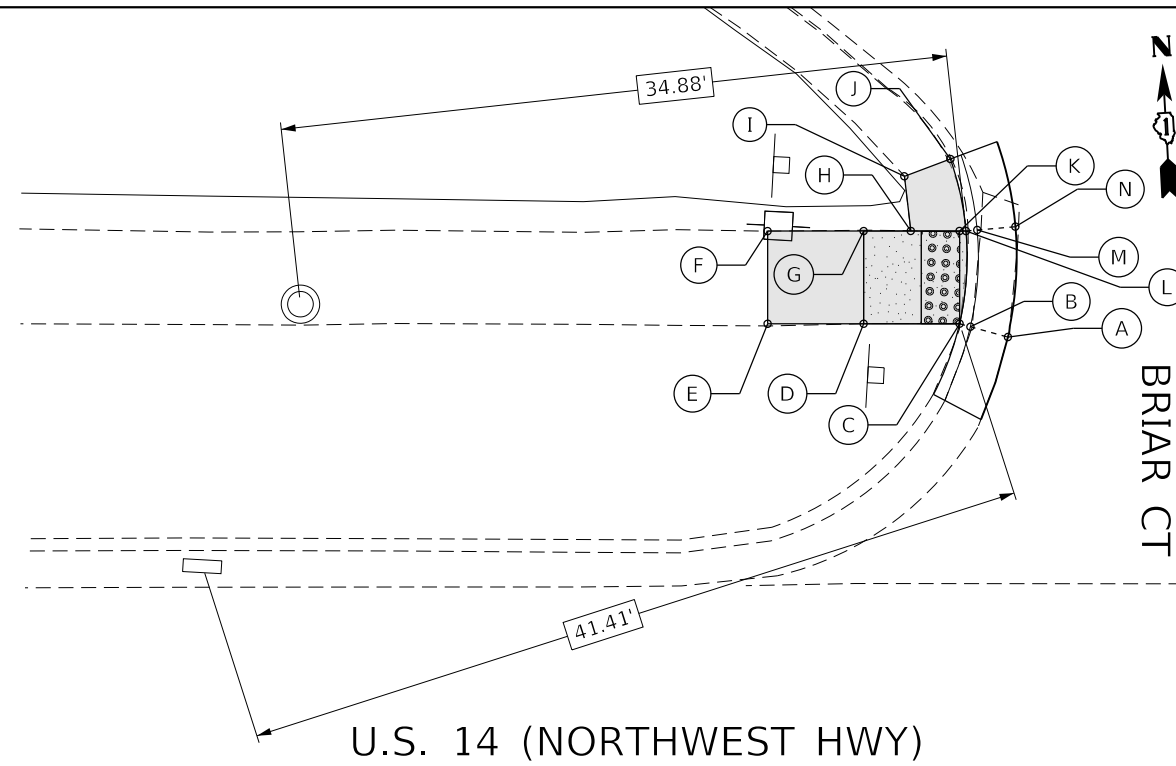
PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE

SCALE = 1/4"=10' SHEET 12 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-R5&SW | COOK | 44 | 27 |

CONTRACT NO. 62H43

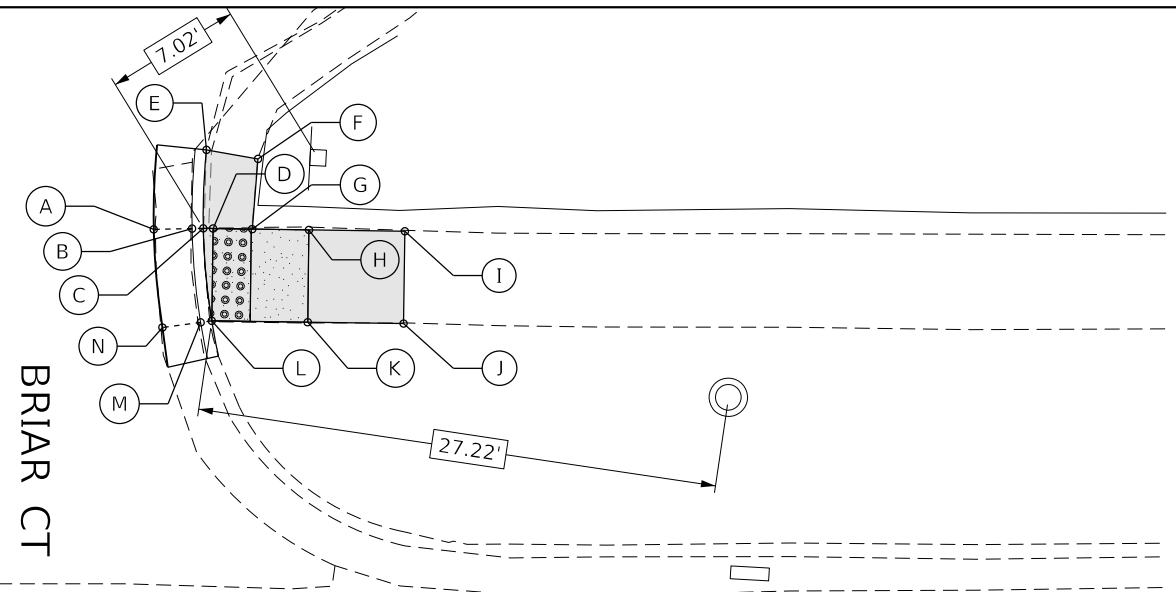
ILLINOIS FED. AID PROJECT



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (637.76) | 637.76 |
| B | (637.68) | 637.72 |
| C | (637.83) | 637.76 |
| D | (637.87) | 637.81 |
| E | (637.88) | 637.88 |
| F | (638.04) | 638.04 |
| G | (638.00) | 637.86 |
| H | (637.96) | 637.84 |
| I | (638.05) | 638.05 |
| J | (638.08) | 637.91 |
| K | (637.91) | 637.81 |
| L | (637.99) | 637.81 |
| M | (637.86) | 637.77 |
| N | (637.81) | 637.81 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 5.00 | 1.0 |
| D-E | 5.00 | 1.3 |
| E-F | 4.80 | 3.3 |
| F-G | 5.00 | 3.5 |
| G-H | 2.45 | 1.0 |
| H-I | 2.87 | 7.3 |
| I-J | 2.56 | 5.4 |
| J-K | 3.85 | 2.6 |
| K-C | 4.86 | 1.0 |
| K-H | 2.54 | 1.0 |
| D-G | 4.83 | 1.0 |



U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (637.85) | 637.85 |
| B | (637.77) | 637.81 |
| C | (638.00) | 637.85 |
| D | (638.00) | 637.85 |
| E | (638.03) | 638.03 |
| F | (638.06) | 638.06 |
| G | (637.99) | 637.87 |
| H | (637.97) | 637.90 |
| I | (637.93) | 637.93 |
| J | (637.89) | 637.89 |
| K | (637.95) | 637.83 |
| L | (637.87) | 637.78 |
| M | (637.67) | 637.74 |
| N | (637.75) | 637.75 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 0.50 | 0.0 |
| C-E | 4.09 | 4.4 |
| D-H | 5.00 | 1.0 |
| D-L | 4.81 | 1.4 |
| E-F | 2.73 | 1.1 |
| F-G | 3.67 | 5.2 |
| H-I | 5.00 | 0.6 |
| H-K | 4.81 | 1.4 |
| I-J | 4.81 | 0.8 |
| J-K | 5.00 | 1.2 |
| K-L | 5.00 | 1.0 |

I:\001\DOT\60618002.08_P\18185_002_K009_60749_US14_ADA_Ramps\01\CADD\005\Sheet\13_D168T149-sh1-ADA-AES_US14_BRIAR_CT.dgn

CONTROL POINT: 119
 ELEVATION: 638.00
 NORTHING: 1957377.42
 EASTING: 1113709.84
 DESCRIPTION: ON NORTH SIDE RTE 14 BETWEEN CARLEAH AND BRIAR CT

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 120
 ELEVATION: 637.63
 NORTHING: 1957380.90
 EASTING: 1113844.87
 DESCRIPTION: ON NORTH SIDE RTE 14 EAST OF BRIAR CT



USER NAME = tmohammed
 DESIGNED - LEG
 DRAWN - FA
 CHECKED - JA
 DATE - 11/28/2018

REVISED - _____
 REVISED - _____
 REVISED - _____
 REVISED - _____

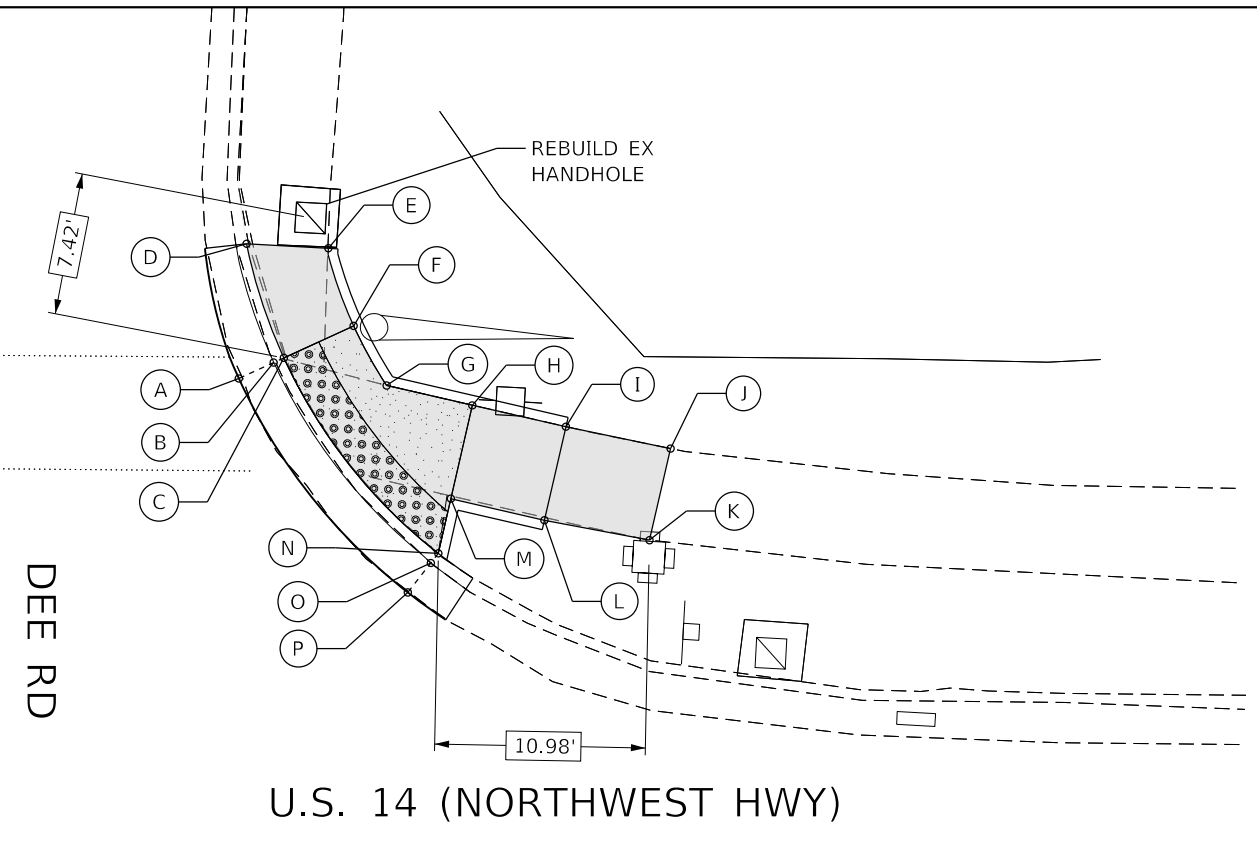
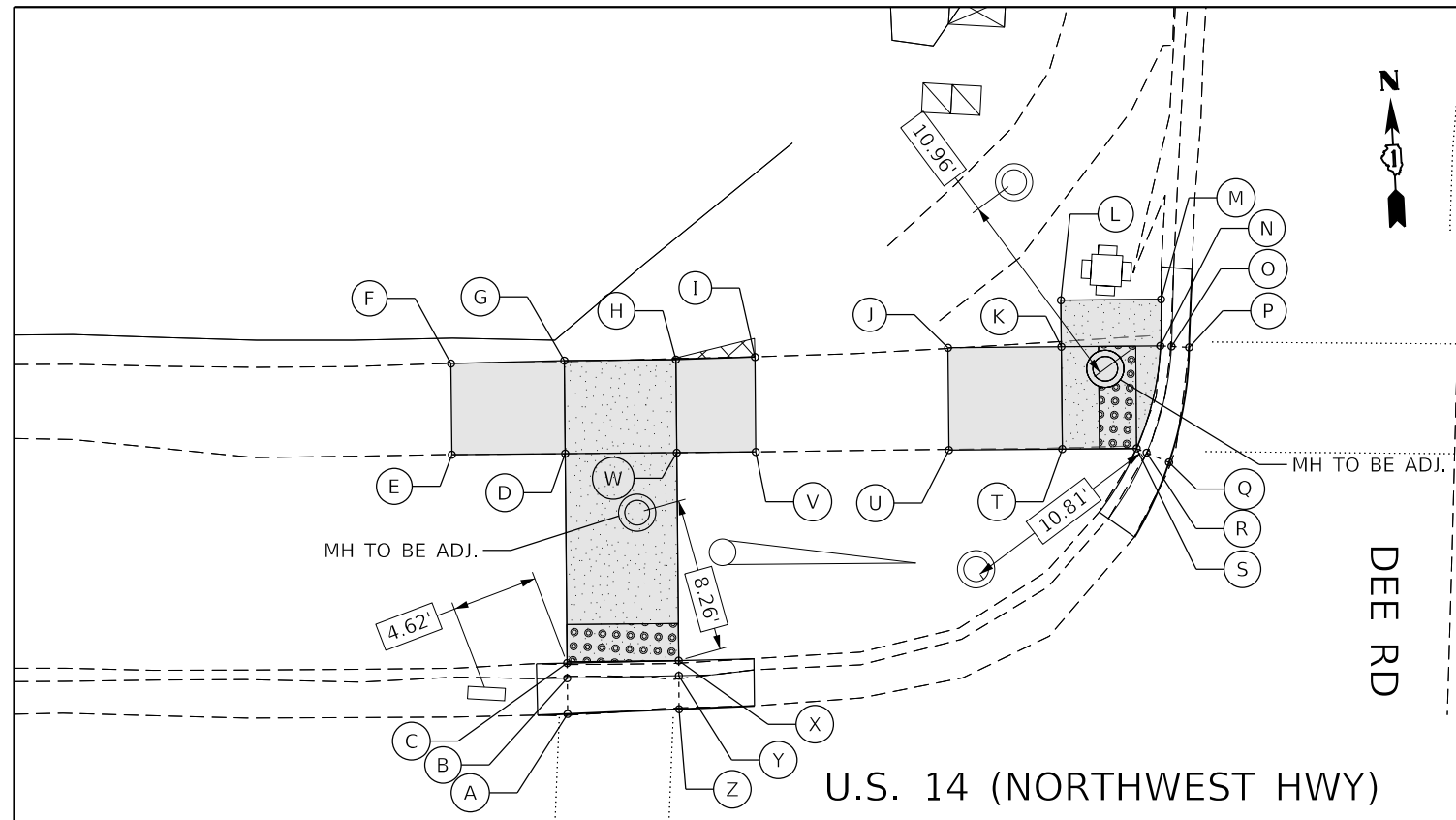
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE

SCALE = 1:10 SHEET 13 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 28 |
| CONTRACT NO. 62H43 | | | | |

ILLINOIS FED. AID PROJECT



| POINT | EX. ELEV. | PR. ELEV. | POINT | EX. ELEV. | PR. ELEV. | SEGMENT | LENGTH (FT) | SLOPE (%) | SEGMENT | LENGTH (FT) | SLOPE (%) |
|-------|-----------|-----------|-------|-----------|-----------|---------|-------------|-----------|---------|-------------|-----------|
| A | (636.46) | 636.46 | N | (636.48) | 636.35 | C-D | 11.26 | 1.4 | V-W | 4.25 | 1.4 |
| B | (636.34) | 636.36 | O | (636.25) | 636.31 | D-E | 6.09 | 0.0 | W-X | 11.18 | 1.7 |
| C | (636.55) | 636.40 | P | (636.32) | 636.32 | E-F | 4.90 | 0.6 | X-C | 6.00 | 0.2 |
| D | (636.55) | 636.56 | Q | (636.34) | 636.34 | F-G | 6.09 | 0.8 | W-D | 6.00 | 1.0 |
| E | (636.55) | 636.55 | R | (636.29) | 636.33 | G-H | 6.00 | 1.0 | D-G | 5.00 | 1.4 |
| F | (636.58) | 636.58 | S | (636.38) | 636.37 | H-I | 4.25 | 0.0 | W-H | 5.00 | 1.6 |
| G | (636.66) | 636.63 | T | (636.47) | 636.43 | J-K | 6.09 | 3.7 | V-I | 5.00 | 2.8 |
| H | (636.67) | 636.68 | U | (636.47) | 636.47 | K-L | 2.50 | 0.0 | U-J | 5.50 | 3.3 |
| I | (636.68) | 636.68 | V | (636.54) | 636.54 | L-M | 5.39 | 1.5 | T-K | 5.50 | 0.0 |
| J | (636.65) | 636.65 | W | (636.58) | 636.60 | M-N | 2.50 | 0.0 | K-N | 5.34 | 1.5 |
| K | (636.60) | 636.43 | X | (636.73) | 636.41 | N-S | 5.69 | 0.4 | | | |
| L | (636.72) | 636.43 | Y | (636.39) | 636.37 | S-T | 4.00 | 1.5 | | | |
| M | (636.63) | 636.35 | Z | (636.47) | 636.47 | T-U | 6.09 | 0.7 | | | |

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (636.22) | 636.22 |
| B | (636.17) | 636.13 |
| C | (636.48) | 636.17 |
| D | (636.53) | 636.53 |
| E | (636.41) | 636.41 |
| F | (636.85) | 636.23 |
| G | (636.58) | 636.23 |
| H | (636.63) | 636.23 |
| I | (636.65) | 636.43 |
| J | (636.69) | 636.69 |
| K | (636.58) | 636.59 |
| L | (636.54) | 636.36 |
| M | (636.48) | 636.16 |
| N | (636.18) | 636.12 |
| O | (636.08) | 636.08 |
| P | (636.14) | 636.14 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 6.27 | 5.8 |
| D-E | 4.26 | 2.8 |
| E-F | 4.27 | 5.8 |
| F-G | 3.55 | 0.0 |
| G-H | 4.58 | 0.0 |
| H-I | 5.00 | 4.6 |
| I-J | 5.50 | 4.6 |
| J-K | 4.89 | 2.0 |
| K-L | 5.50 | 4.1 |
| L-M | 5.00 | 4.1 |
| M-N | 2.92 | 1.4 |
| F-C | 4.00 | 1.5 |
| H-M | 5.00 | 1.4 |
| I-L | 5.00 | 1.4 |
| N-C | 13.10 | 0.3 |

CONTROL POINT: 123
 ELEVATION: 636.51
 NORTHING: 1957388.43
 EASTING: 1114039.65
 DESCRIPTION: ON NORTH SIDE RTE 14 WEST OF DEE RD

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 123
 ELEVATION: 636.51
 NORTHING: 1957388.43
 EASTING: 1114039.65
 DESCRIPTION: ON NORTH SIDE RTE 14 WEST OF DEE RD

AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@AESER.COM

| | | |
|----------------------------|-------------------|-----------|
| USER NAME = tmohammed | DESIGNED - LEG | REVISED - |
| PLOT SCALE = 10.0000' / 1" | DRAWN - FA | REVISED - |
| PLOT DATE = 11/28/2018 | CHECKED - JA | REVISED - |
| | DATE - 11/28/2018 | REVISED - |

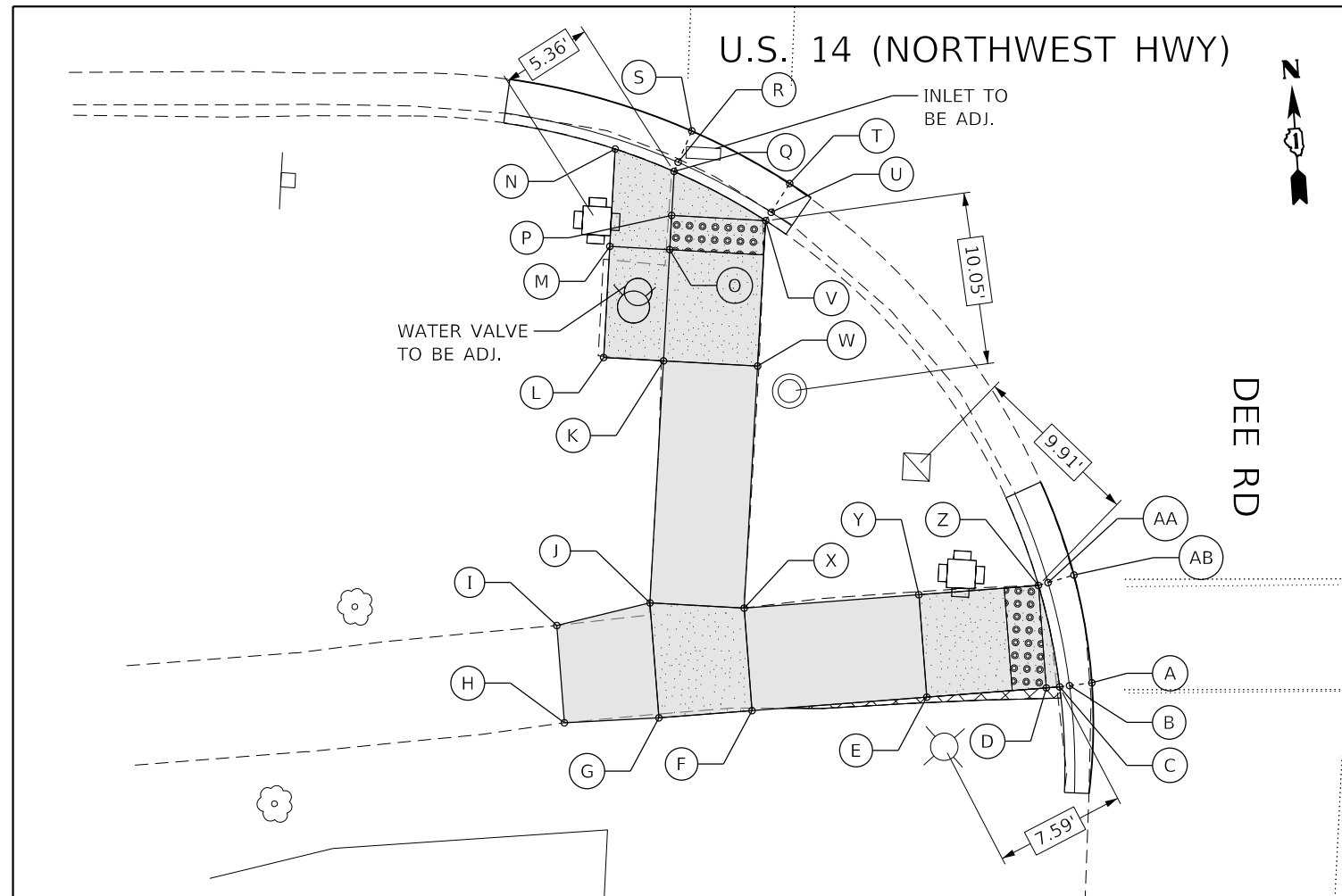
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
US 14 FROM WESTERN AVE TO VERNON AVE
 SCALE = 1:10 SHEET 14 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 29 |
| CONTRACT NO. 62H43 | | | | |

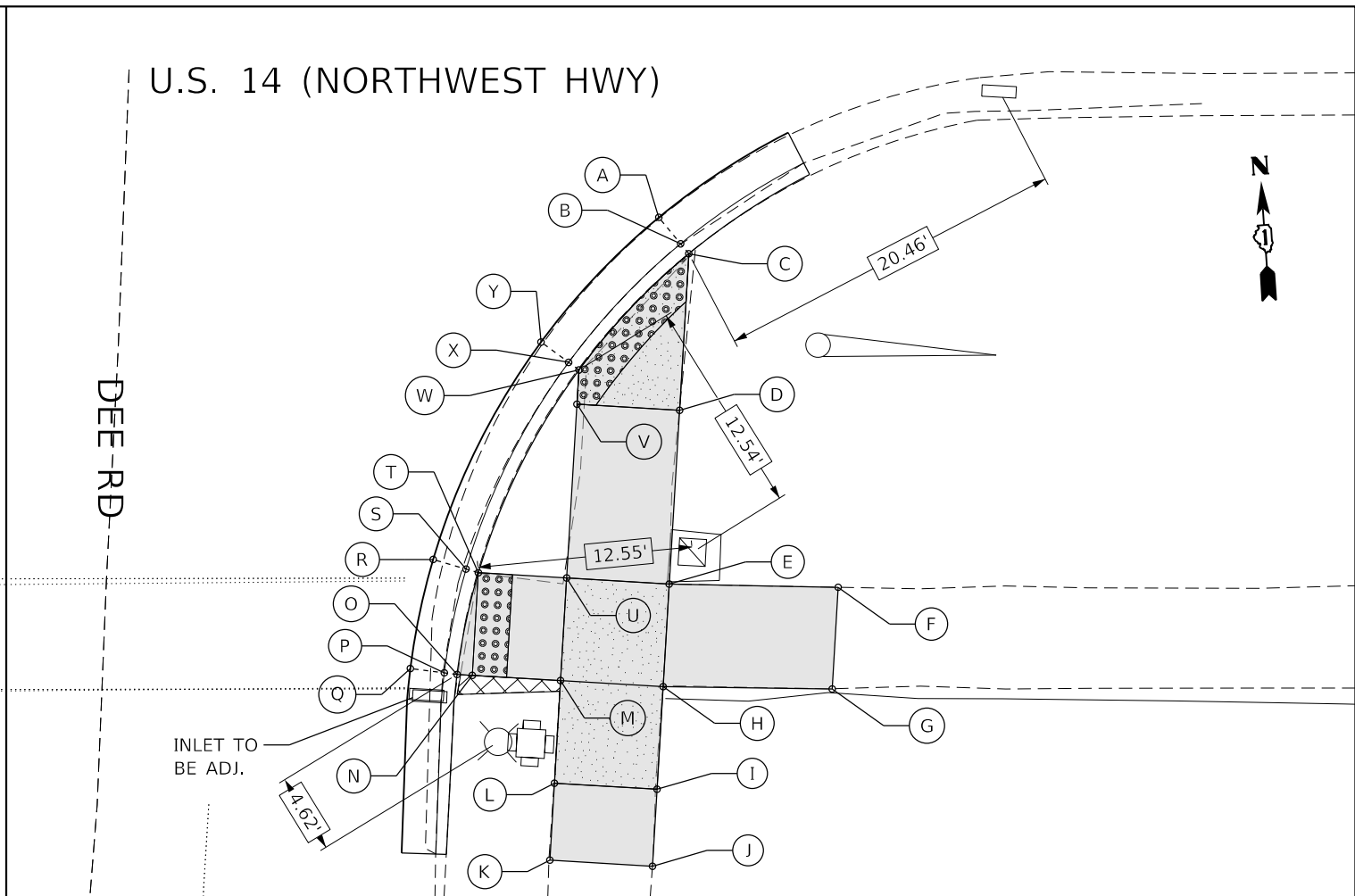
ILLINOIS FED. AID PROJECT

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| POINT | EX. ELEV. | PR. ELEV. | POINT | EX. ELEV. | PR. ELEV. | SEGMENT | LENGTH (FT) | SLOPE (%) |
|-------|-----------|-----------|-------|-----------|-----------|---------|-------------|-----------|
| A | (635.90) | 635.90 | | | | C-D | 0.79 | 0.0 |
| B | (635.95) | 635.86 | | | | D-E | 7.00 | 1.0 |
| C | (636.04) | 635.90 | | | | D-Z | 6.00 | 1.0 |
| D | (636.05) | 635.90 | Q | (636.51) | 636.33 | E-F | 10.23 | 1.0 |
| E | (636.95) | 635.97 | R | (636.32) | 636.29 | E-Y | 6.00 | 1.0 |
| F | (635.88) | 636.07 | S | (636.33) | 636.33 | F-G | 5.45 | 1.0 |
| G | (635.81) | 636.12 | T | (636.27) | 636.27 | F-X | 6.00 | 1.0 |
| H | (635.83) | 635.83 | U | (636.19) | 636.26 | G-H | 5.23 | 5.3 |
| I | (635.84) | 635.84 | V | (636.44) | 636.30 | G-J | 6.73 | 1.0 |
| J | (635.82) | 636.17 | W | (636.31) | 636.43 | H-I | 5.70 | 0.2 |
| K | (636.23) | 636.45 | X | (635.85) | 636.12 | I-J | 5.60 | 5.9 |
| L | (636.33) | 636.45 | Y | (635.93) | 636.02 | J-K | 14.16 | 2.0 |
| M | (636.23) | 636.38 | Z | (636.03) | 636.95 | K-L | 3.50 | 0.0 |
| N | (636.71) | 636.38 | AA | (635.97) | 635.91 | L-M | 6.50 | 1.0 |
| O | (636.40) | 636.38 | AB | (635.93) | 635.93 | M-N | 5.69 | 0.0 |
| P | (636.45) | 636.36 | | | | N-O | 3.50 | 0.0 |
| | | | | | | O-P | 2.57 | 1.2 |
| | | | | | | P-Q | 2.57 | 1.2 |
| | | | | | | Q-R | 2.57 | 1.2 |
| | | | | | | R-S | 2.57 | 1.2 |
| | | | | | | S-T | 2.57 | 1.2 |
| | | | | | | T-U | 2.57 | 1.2 |
| | | | | | | U-V | 2.57 | 1.2 |
| | | | | | | V-W | 2.57 | 1.2 |
| | | | | | | W-X | 2.57 | 1.2 |
| | | | | | | X-Y | 2.57 | 1.2 |
| | | | | | | Y-Z | 2.57 | 1.2 |
| | | | | | | Z-AA | 2.57 | 1.2 |
| | | | | | | AA-AB | 2.57 | 1.2 |

V:\001\DOT\60618002.08_P\1805_002_W009_60749_US14_ADA_Ramps\01CAD\005\aes\15_0160749-11-14-ADA-AES_US14_DEE_RD_south.dwg
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@aesser.com



| POINT | EX. ELEV. | PR. ELEV. | POINT | EX. ELEV. | PR. ELEV. | SEGMENT | LENGTH (FT) | SLOPE (%) |
|-------|-----------|-----------|-------|-----------|-----------|---------|-------------|-----------|
| A | (635.87) | 635.87 | | | | C-D | 9.16 | 0.3 |
| B | (635.81) | 635.77 | | | | C-W | 9.36 | 0.7 |
| C | (635.98) | 635.81 | | | | D-E | 10.16 | 1.0 |
| D | (635.62) | 635.84 | | | | D-V | 6.00 | 1.2 |
| E | (635.47) | 635.94 | | | | E-F | 9.86 | 6.8 |
| F | (635.27) | 635.27 | | | | E-H | 6.00 | 0.0 |
| G | (635.32) | 635.32 | Q | (635.73) | 635.73 | E-U | 6.00 | 1.2 |
| H | (635.59) | 635.94 | R | (635.75) | 635.75 | F-G | 5.95 | 0.8 |
| I | (635.73) | 635.87 | S | (635.64) | 635.69 | G-H | 9.87 | 6.3 |
| J | (635.80) | 635.80 | T | (635.81) | 635.73 | H-I | 6.00 | 1.2 |
| K | (635.80) | 635.80 | U | (635.68) | 635.87 | H-M | 6.00 | 1.5 |
| L | (635.77) | 635.81 | V | (635.93) | 635.77 | I-J | 4.50 | 1.6 |
| M | (635.72) | 635.85 | W | (636.15) | 635.74 | I-L | 6.00 | 1.0 |
| N | (635.80) | 635.70 | X | (635.73) | 635.70 | J-K | 6.00 | 0.0 |
| O | (635.94) | 635.70 | Y | (635.78) | 635.78 | K-L | 4.50 | 0.2 |
| P | (635.72) | 635.66 | | | | L-M | 6.00 | 0.7 |
| | | | | | | M-N | 5.16 | 2.9 |
| | | | | | | M-U | 6.00 | 0.3 |
| | | | | | | N-O | 0.89 | 0.0 |
| | | | | | | O-P | 0.89 | 0.0 |
| | | | | | | P-Q | 0.89 | 0.0 |
| | | | | | | Q-R | 0.89 | 0.0 |
| | | | | | | R-S | 0.89 | 0.0 |
| | | | | | | S-T | 0.89 | 0.0 |
| | | | | | | T-U | 5.16 | 2.7 |
| | | | | | | U-V | 10.16 | 1.0 |
| | | | | | | V-W | 2.00 | 1.5 |

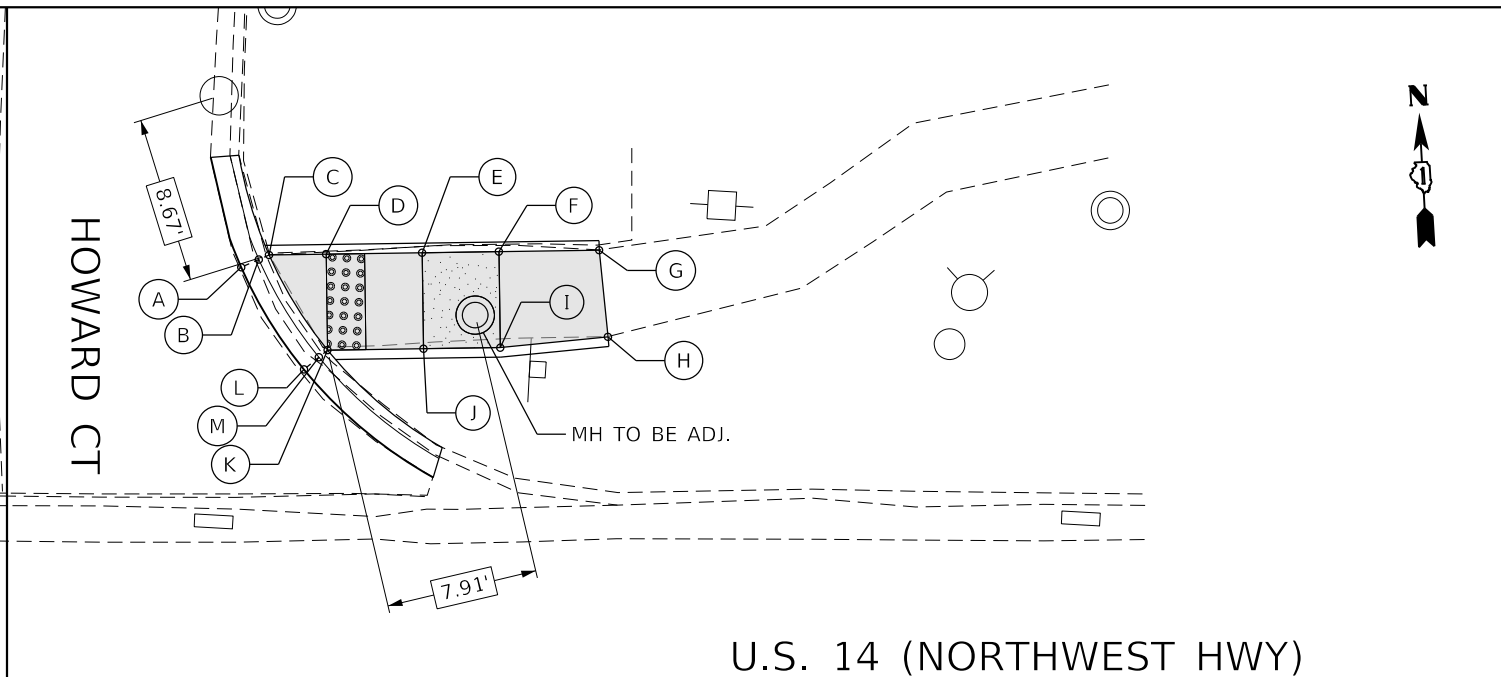
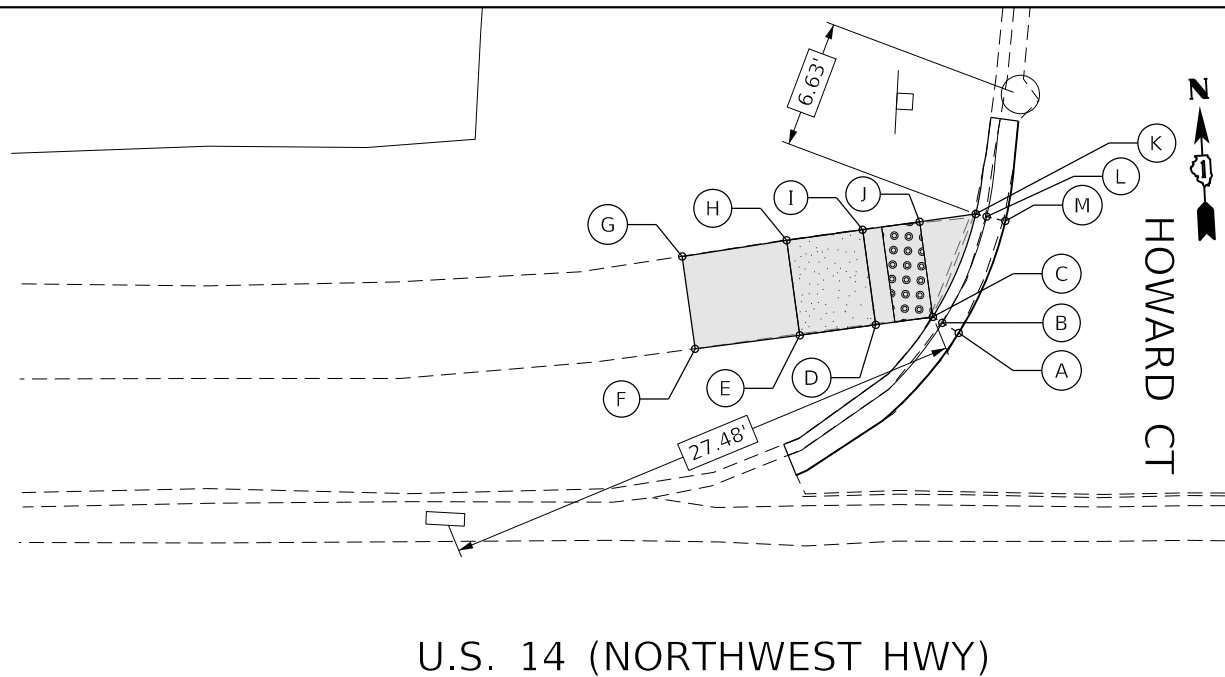
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 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@aesser.com

CONTROL POINT: 122
 ELEVATION: 635.20
 NORTHING: 1957297.49
 EASTING: 1114231.92
 DESCRIPTION: ON SOUTH SIDE RTE 14 EAST OF DEE RD

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & DOD
- TURNING SPACE

CONTROL POINT: 122
 ELEVATION: 635.20
 NORTHING: 1957297.49
 EASTING: 1114231.92
 DESCRIPTION: ON SOUTH SIDE RTE 14 EAST OF DEE RD



U.S. 14 (NORTHWEST HWY)

U.S. 14 (NORTHWEST HWY)

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (636.21) | 636.23 |
| B | (636.18) | 636.23 |
| C | (636.24) | 636.27 |
| D | (636.45) | 636.42 |
| E | (636.55) | 636.48 |
| F | (636.61) | 636.61 |
| G | (636.57) | 636.57 |
| H | (636.49) | 636.48 |
| I | (636.40) | 636.42 |
| J | (636.30) | 636.27 |
| K | (636.19) | 636.24 |
| L | (636.16) | 636.20 |
| M | (636.21) | 636.21 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 3.00 | 5.0 |
| C-J | 5.00 | 0.0 |
| D-E | 4.00 | 1.5 |
| D-I | 5.00 | 0.0 |
| E-F | 5.50 | 2.4 |
| E-H | 5.00 | 0.0 |
| F-G | 4.86 | 0.8 |
| G-H | 5.50 | 1.6 |
| H-I | 4.00 | 1.5 |
| I-J | 3.00 | 5.0 |
| J-K | 2.95 | 1.0 |

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (636.18) | 636.20 |
| B | (636.16) | 636.20 |
| C | (636.21) | 636.24 |
| D | (636.42) | 636.28 |
| E | (636.77) | 636.63 |
| F | (636.97) | 636.69 |
| G | (637.12) | 637.12 |
| H | (637.10) | 637.10 |
| I | (636.88) | 636.67 |
| J | (636.66) | 636.61 |
| K | (636.30) | 636.26 |
| L | (636.16) | 636.22 |
| M | (636.21) | 636.22 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 2.98 | 1.3 |
| D-E | 5.00 | 7.0 |
| D-K | 5.00 | 0.4 |
| E-F | 4.00 | 1.5 |
| E-J | 5.00 | 0.4 |
| F-G | 5.22 | 8.2 |
| F-I | 5.00 | 0.4 |
| G-H | 4.54 | 0.4 |
| H-I | 5.64 | 7.6 |
| I-J | 4.00 | 1.5 |
| J-K | 5.00 | 7.0 |

CONTROL POINT: 124
 ELEVATION: 636.72
 NORTHING: 1957401.87
 EASTING: 1114251.36
 DESCRIPTION: NORTH SIDE RTE 14 WEST OF HOWARD CT

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 125
 ELEVATION: 639.23
 NORTHING: 1957418.67
 EASTING: 1114360.69
 DESCRIPTION: CUT CROSS NORTH SIDE RTE 14 ABOUT 85 FT EAST OF HOWARD CT

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AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@aesser.com

USER NAME = tmohammed
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 11/28/2018

| | |
|-------------------|-----------|
| DESIGNED - LEG | REVISED - |
| DRAWN - FA | REVISED - |
| CHECKED - JA | REVISED - |
| DATE - 11/28/2018 | REVISED - |

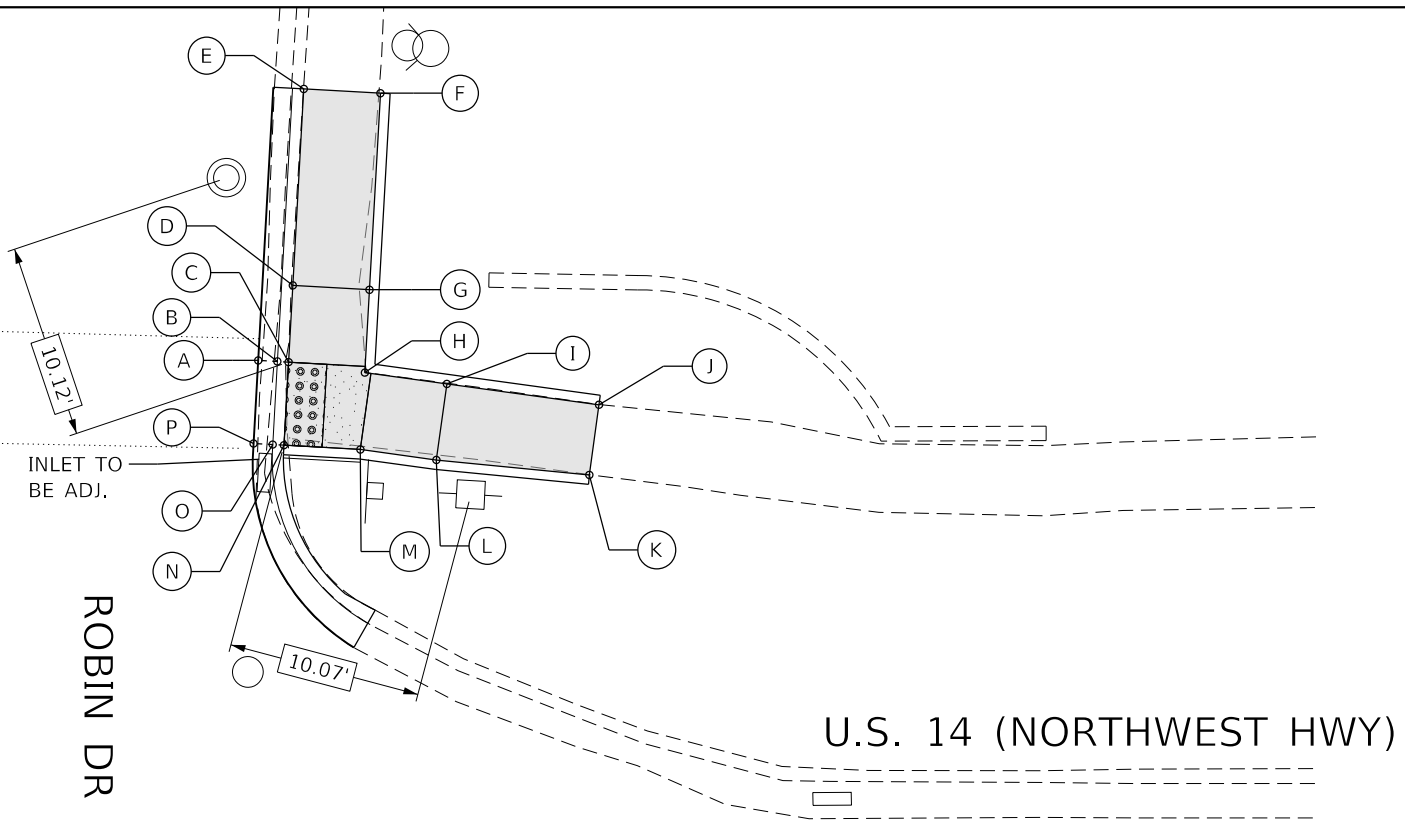
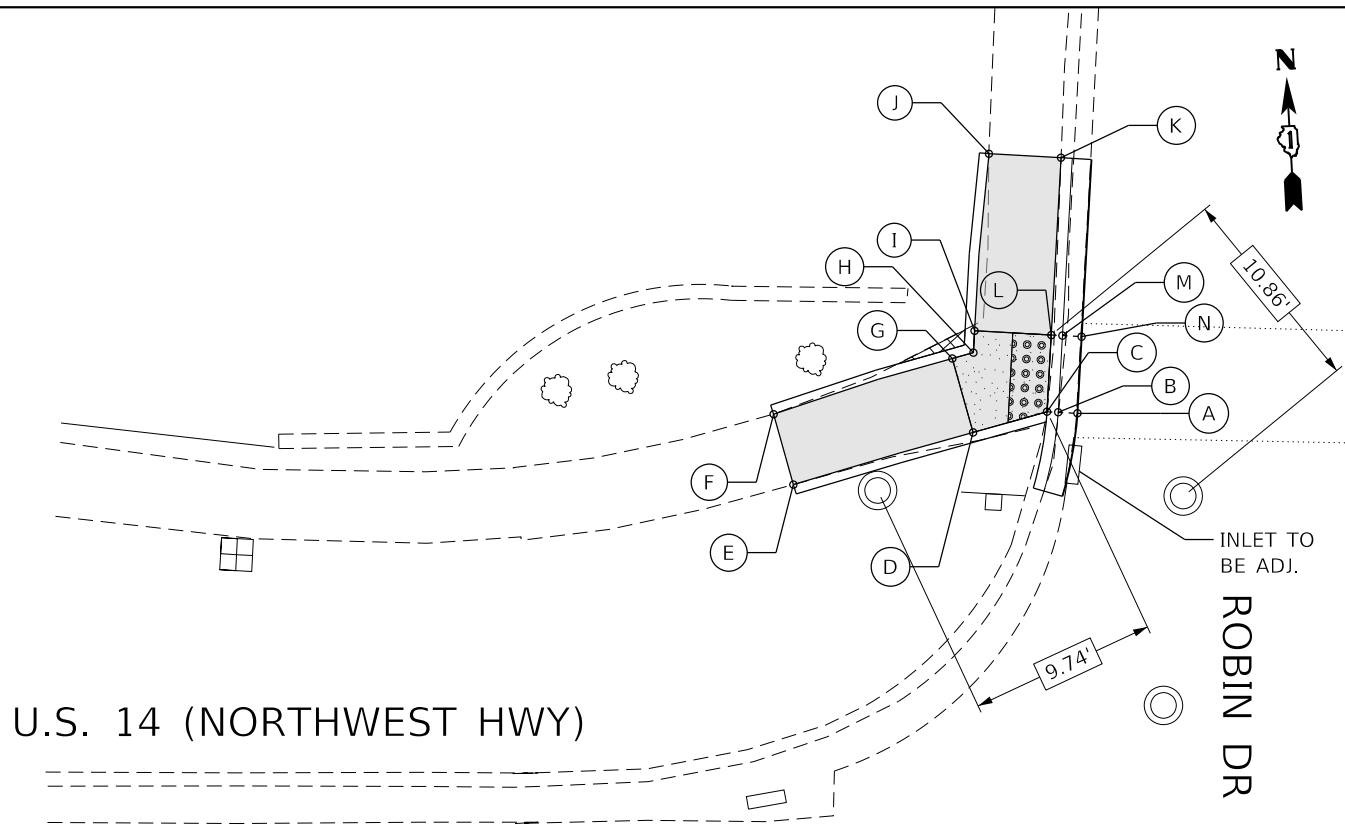
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE**

SCALE = 1:10 SHEET 16 OF 34 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 31 |
| CONTRACT NO. 62H43 | | | | |

ILLINOIS FED. AID PROJECT



| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (636.58) | 636.57 |
| B | (636.56) | 636.56 |
| C | (636.62) | 636.60 |
| D | (636.97) | 636.64 |
| E | (636.81) | 636.81 |
| F | (637.06) | 637.06 |
| G | (637.10) | 636.68 |
| H | (637.08) | 636.68 |
| I | (637.12) | 636.68 |
| J | (637.13) | 637.13 |
| K | (637.07) | 637.07 |
| L | (636.92) | 636.64 |
| M | (636.68) | 636.60 |
| N | (626.69) | 636.68 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 4.00 | 1.0 |
| D-E | 9.75 | 1.7 |
| E-F | 3.81 | 6.6 |
| F-G | 9.75 | 3.9 |
| G-H | 1.13 | 0.0 |
| H-I | 1.13 | 0.0 |
| I-J | 9.25 | 4.86 |
| J-K | 3.76 | 1.6 |
| K-L | 9.25 | 4.65 |
| G-D | 4.00 | 1.0 |
| I-L | 4.00 | 1.0 |
| L-C | 4.00 | 1.0 |

| POINT | EX. ELEV. | PR. ELEV. |
|-------|-----------|-----------|
| A | (636.35) | 636.42 |
| B | (636.26) | 636.41 |
| C | (636.45) | 636.46 |
| D | (636.53) | 636.62 |
| E | (636.78) | 636.78 |
| F | (637.11) | 637.11 |
| G | (636.83) | 636.66 |
| H | (636.97) | 636.50 |
| I | (637.03) | 636.66 |
| J | (637.18) | 637.18 |
| K | (637.05) | 637.05 |
| L | (636.81) | 636.64 |
| M | (636.69) | 636.48 |
| N | (636.47) | 636.44 |
| O | (636.40) | 636.40 |
| P | (636.36) | 636.40 |

| SEGMENT | LENGTH (FT) | SLOPE (%) |
|---------|-------------|-----------|
| C-D | 4.00 | 4.0 |
| C-H | 4.01 | 1.0 |
| C-N | 4.34 | 0.5 |
| D-E | 10.25 | 1.6 |
| D-G | 4.00 | 1.0 |
| E-F | 4.00 | 4.5 |
| F-G | 10.25 | 4.4 |
| G-H | 4.33 | 4.0 |
| H-I | 4.31 | 4.0 |
| H-M | 4.01 | 0.5 |
| I-J | 8.00 | 6.6 |
| I-L | 4.00 | 0.5 |
| J-K | 3.68 | 3.5 |
| K-L | 8.00 | 5.1 |
| L-M | 4.00 | 4.0 |
| M-N | 3.98 | 1.0 |

CONTROL POINT: 126
 ELEVATION: 638.33
 NORTHING: 1957420.88
 EASTING: 1114508.88
 DESCRIPTION: CUT CROSS NORTH SIDE RTE 14 WEST OF ROBIN CT

LEGEND

- PROPOSED SIDE CURB (TYPE B)
- EXISTING LENGTH
- EXISTING ELEVATION
- PROPOSED SIDEWALK
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- TURNING SPACE

CONTROL POINT: 128
 ELEVATION: 639.36
 NORTHING: 1957438.86
 EASTING: 1114725.73
 DESCRIPTION: CUT CROSS NORTH SIDE RTE 14 EAST OF ROBIN CT

V:\001\DOT\60618002.08_P\1185_002_K009_60749_US14_ADA_Ramps\01CAD\005\Sheet17_D160T149-111-ADA-AES_US14_ROBIN_DR.dgn

AES
 ENGINEERS & SURVEYORS
 AES SERVICES, INC.
 111 S. WACKER DR.,
 SUITE 3910
 CHICAGO, ILLINOIS 60606
 PHONE: 312-235-6783
 EMAIL: AES@AESER.COM

USER NAME = tmohammed
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 11/28/2018

| | |
|-------------------|-----------|
| DESIGNED - LEG | REVISER - |
| DRAWN - FA | REVISER - |
| CHECKED - JA | REVISER - |
| DATE - 11/28/2018 | REVISER - |

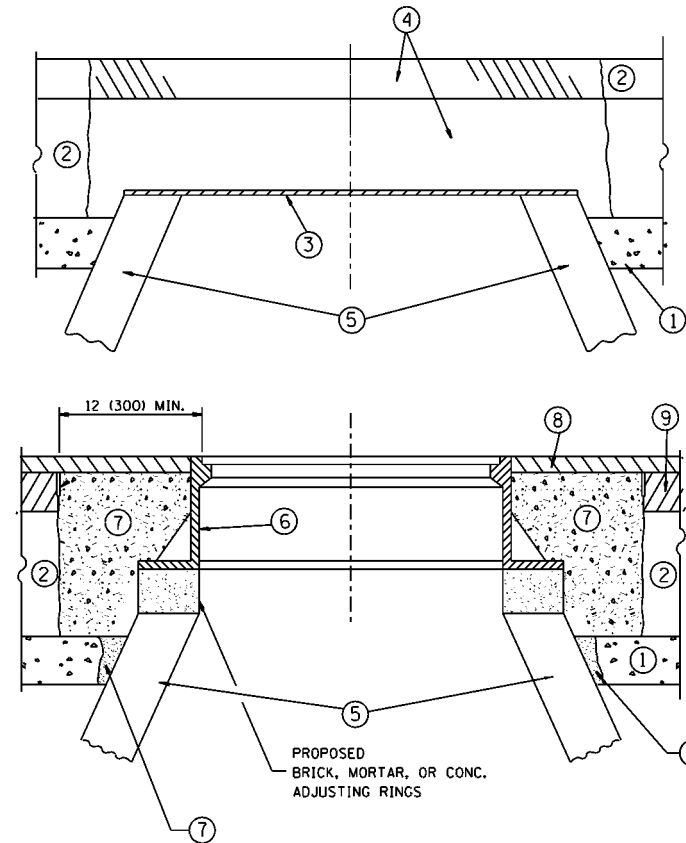
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ADA RAMP DESIGN
 US 14 FROM WESTERN AVE TO VERNON AVE

SCALE = 1:10 SHEET 17 OF 34 SHEETS STA. _____ TO STA. _____

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 32 |
| CONTRACT NO. 62H43 | | | | |

ILLINOIS FED. AID PROJECT



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

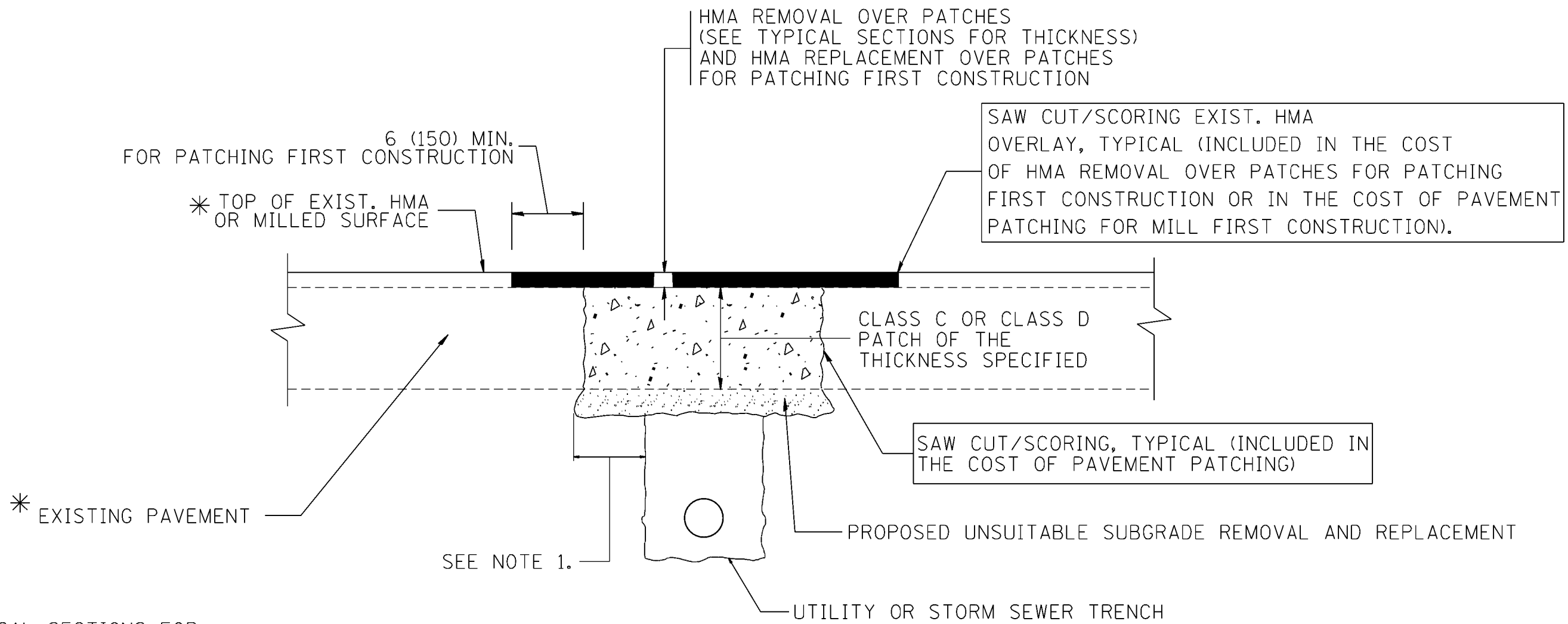
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | |
|--|-------------------------------|--------------------|--------------------------------|
| FILE NAME = | USER NAME = gulloumefp | DESIGNED - R. SHAH | REVISED - R. WIEDEMAN 05-14-04 |
| p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\104-RS&S\Design\DistStd.dgn | | | REVISED - R. BORO 01-01-07 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 03-09-11 |
| | PLOT DATE = 12/17/2018 | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

| | | | | |
|---|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3512 | 2018-104-RS&S# | COOK | 44 | 34 |
| BD600-03 (BD-8) | | CONTRACT NO. 62H43 | | |
| 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)

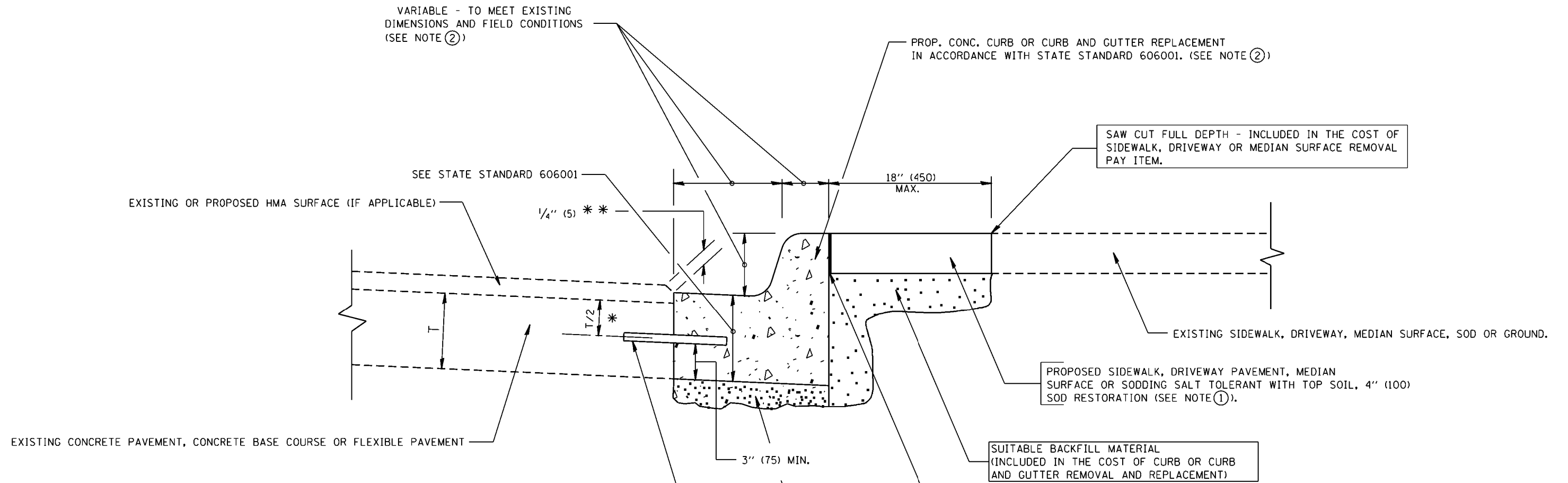
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = | USER NAME = gulloumefp | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI04\BROOK\Design\DistStd.dgn | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 01-01-07 | | | | | 3512 | 2018-104-R5&5W | COOK | 44 | 35 |
| | PLOT DATE = 12/17/2018 | DATE - 10-25-94 | REVISED - R. BORO 09-04-07 | | SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | | STA. TO STA. | | BD400-04 (BD-22) CONTRACT NO. 62H43 | |
| | | | REVISED - K. ENG 10-27-08 | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |



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

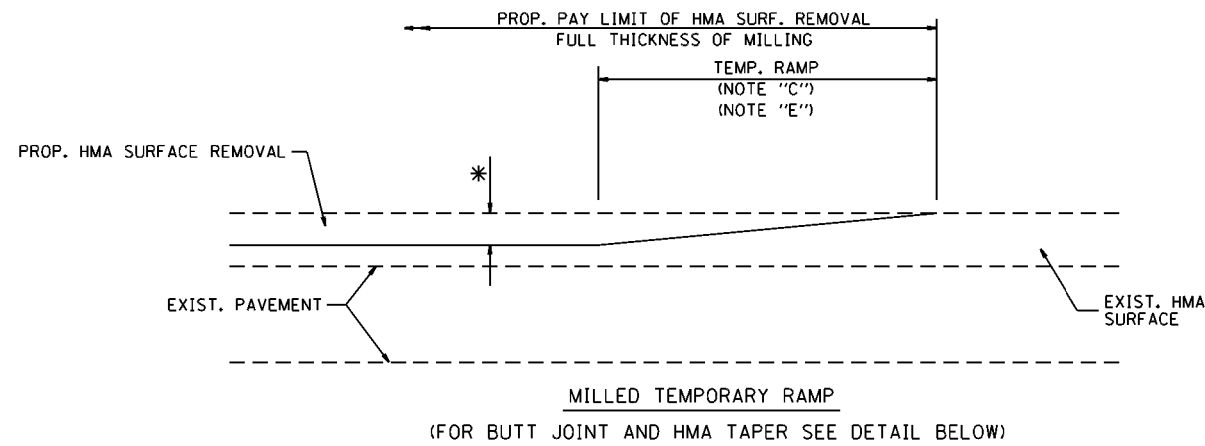
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, 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".

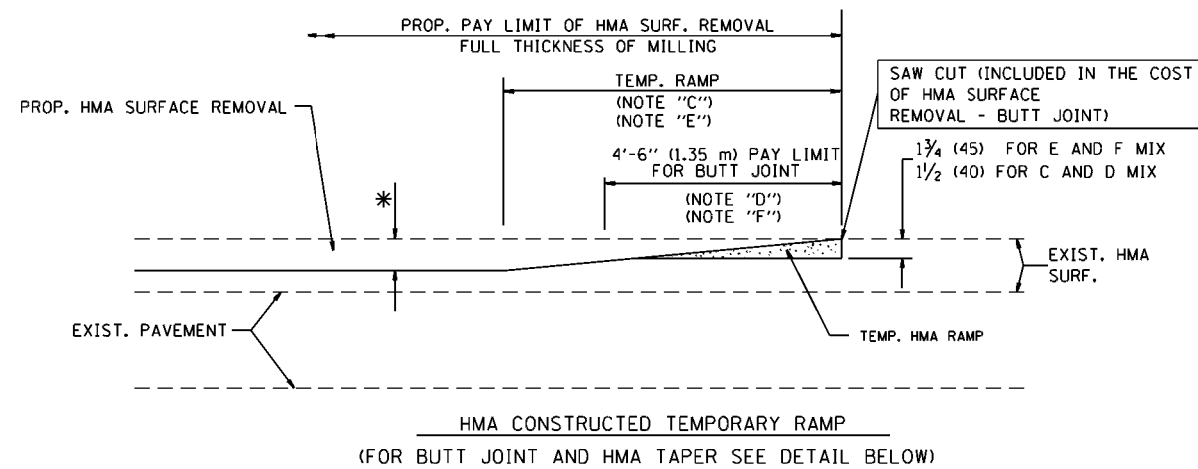
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

| | | | | | | | | | | | |
|-------------|-------------------------------|----------------------|-----------------------------|---|--|------------------|-------------------------|--------------------|--------------|---|--|
| FILE NAME = | USER NAME = gulloumefp | 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.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | | REVISED - A. ABBAS 03-21-97 | | | 3512 | 2018-104-RS&SW | COOK | 44 | 36 | |
| | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - M. GOMEZ 01-22-01 | | | BD600-06 (BD-24) | | CONTRACT NO. 62H43 | | | |
| | PLOT DATE = 12/17/2018 | DATE - 03-11-94 | REVISED - R. BORO 12-15-09 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

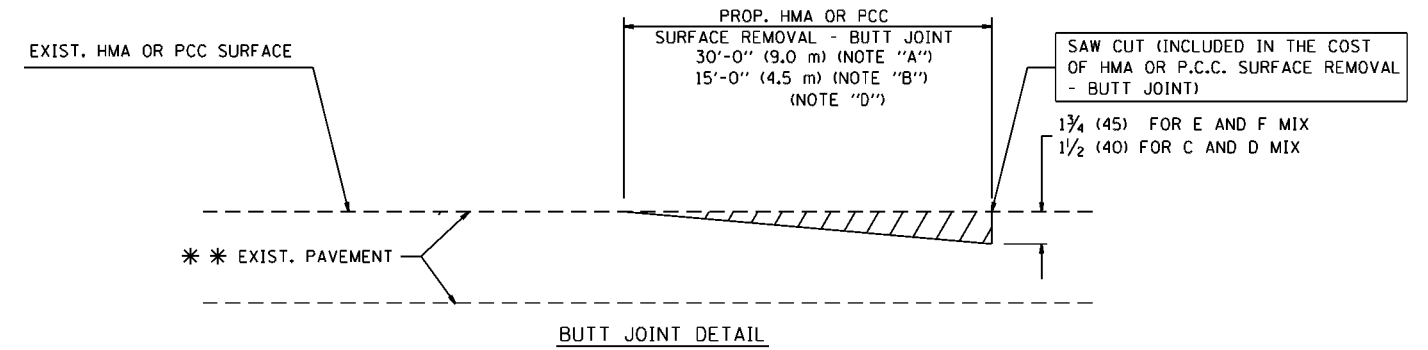


OPTION 1

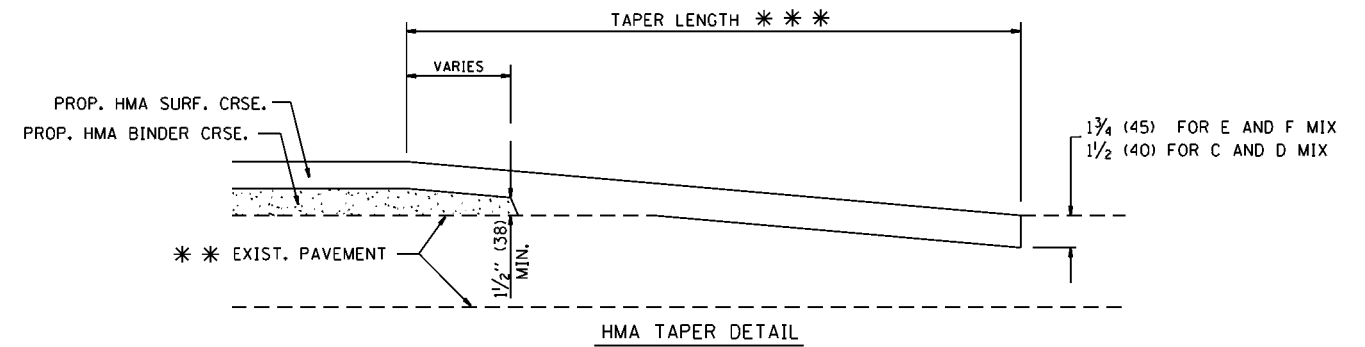


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

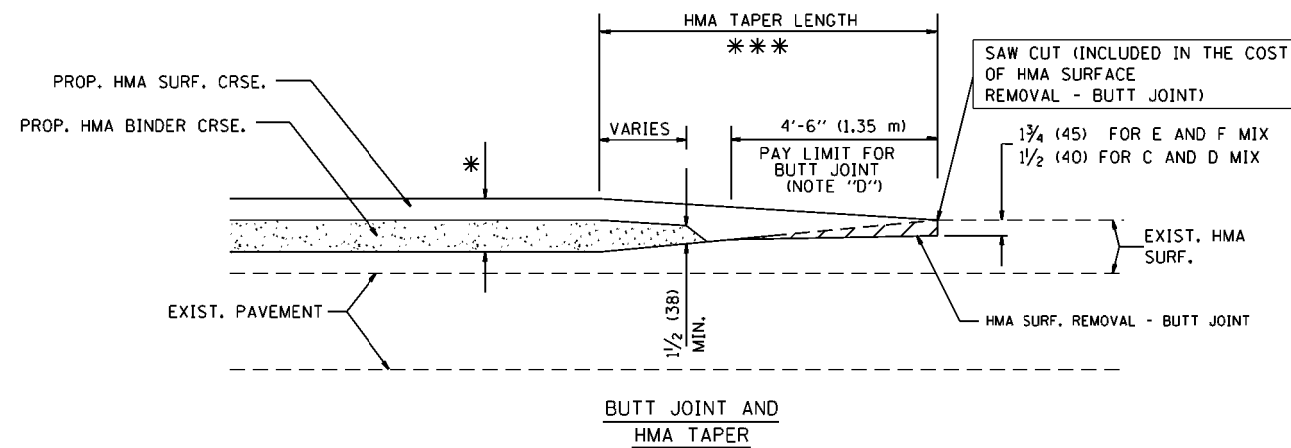
NOTES

- 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.



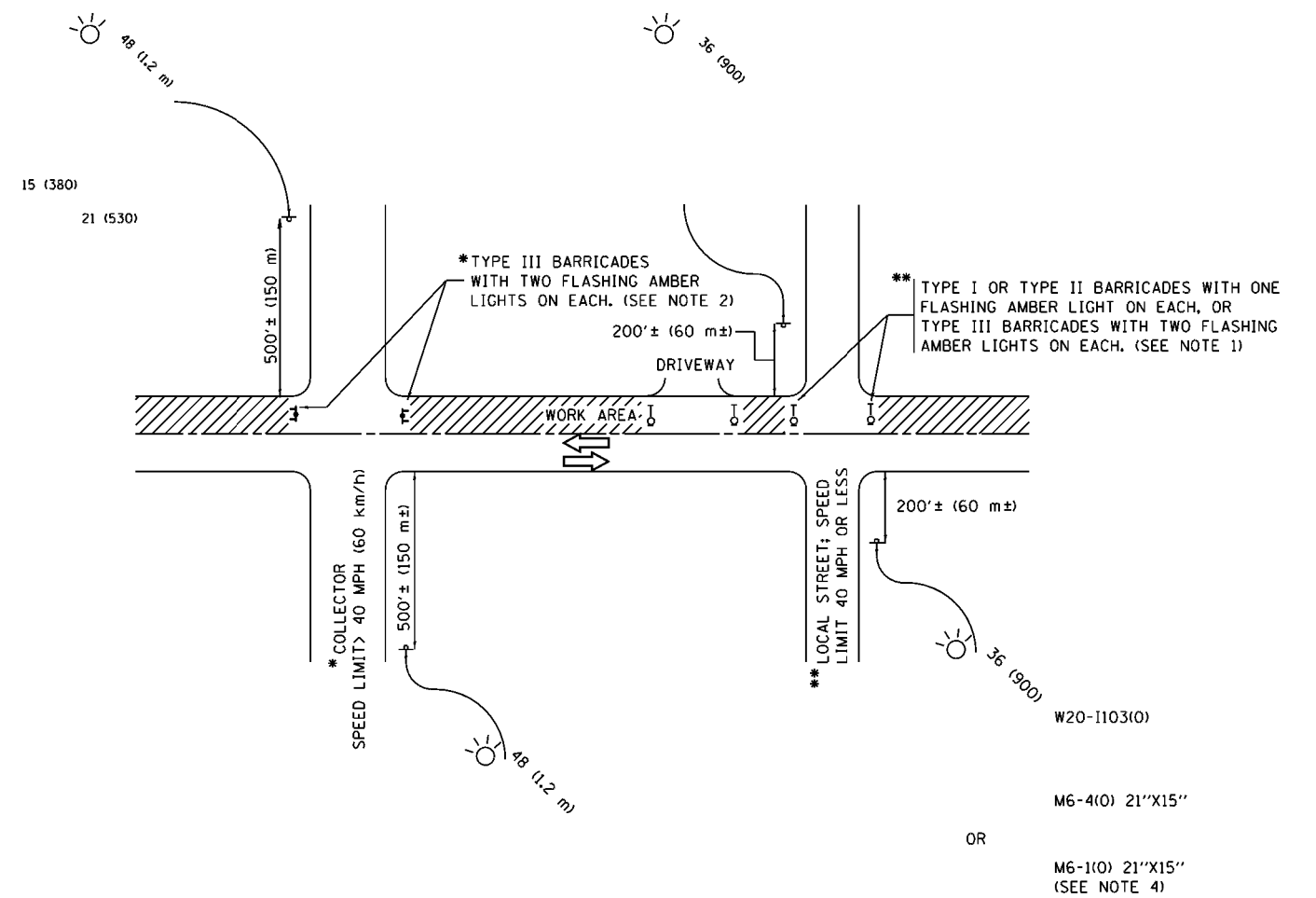
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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|---|-------------------------------|-----------------------|-----------------------------|
| FILE NAME = | USER NAME = gulloumf | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 |
| p:\IL\084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\DI04\BDD\Design\DistStd.dgn | | | REVISED - A. ABBAS 03-21-97 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - M. GOMEZ 04-06-01 |
| | PLOT DATE = 12/17/2018 | DATE - 06-13-90 | REVISED - R. BORO 01-01-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

| | | | | |
|---|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3512 | 2018-104-R5&SW | COOK | 44 | 37 |
| BD400-05 BD32 | | CONTRACT NO. 62H43 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

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

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

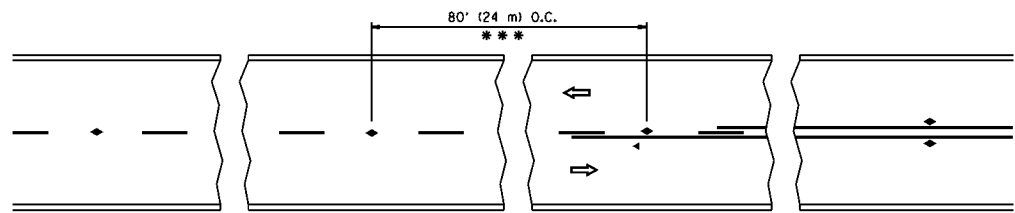
| | | | |
|--|-------------------------------|-------------------|---------------------------------|
| FILE NAME = | USER NAME = gulloumefp | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
| p:\11084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI046\DRM\02toDesign\DistStd.dgn | | | REVISED - T. RAMMACHER 01-06-00 |
| Default | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 |
| | PLOT DATE = 12/17/2018 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

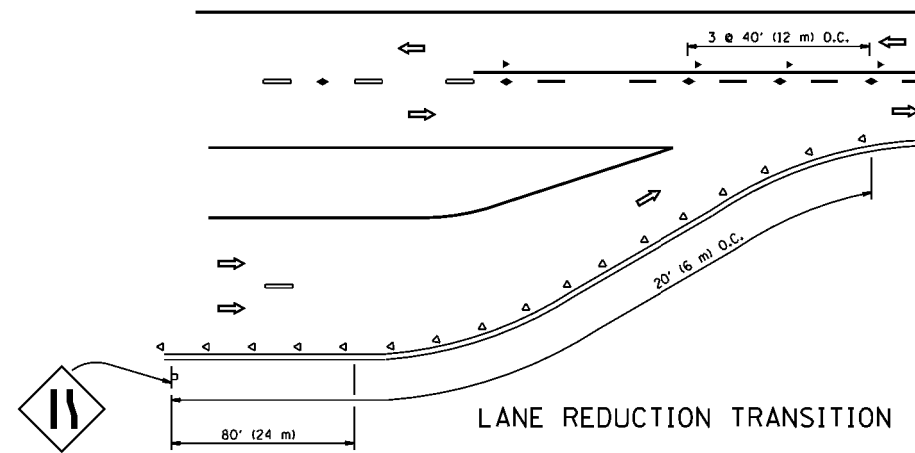
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 3512 | 2018-104-RS&SW | COOK | 44 | 38 |
| TC-10 | | | CONTRACT NO. 62H43 | |
| ILLINOIS FED. AID PROJECT | | | | |

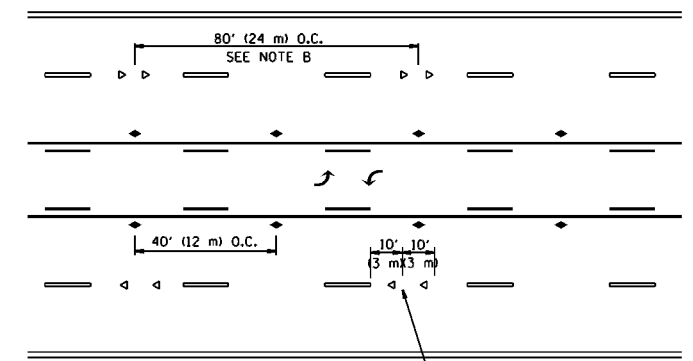


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

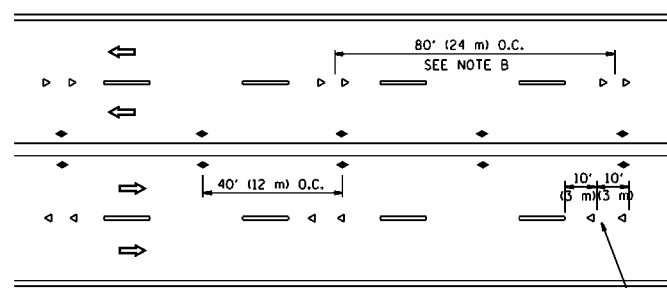
TWO-LANE/TWO-WAY



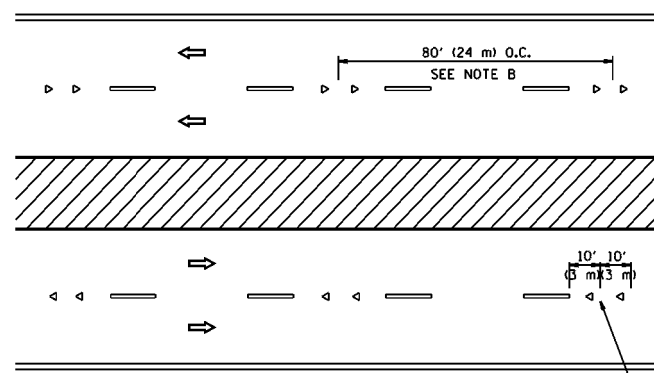
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

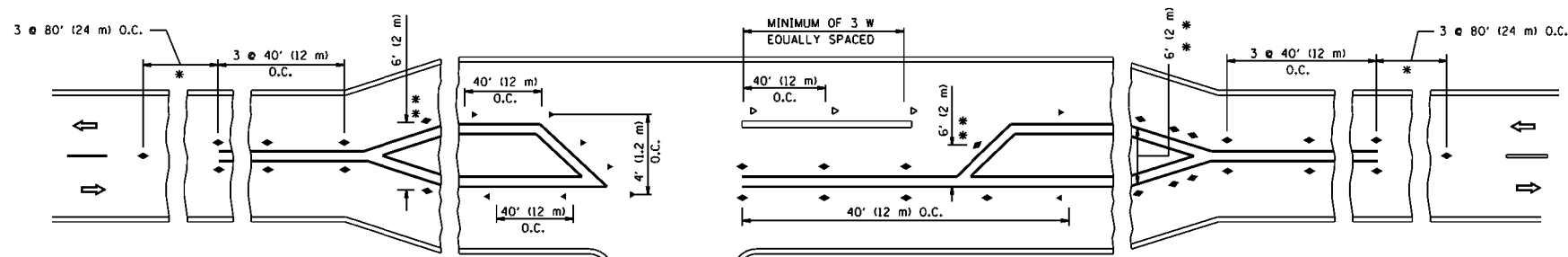
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

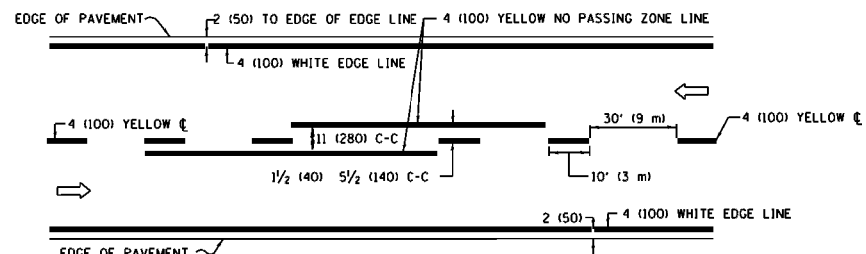


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

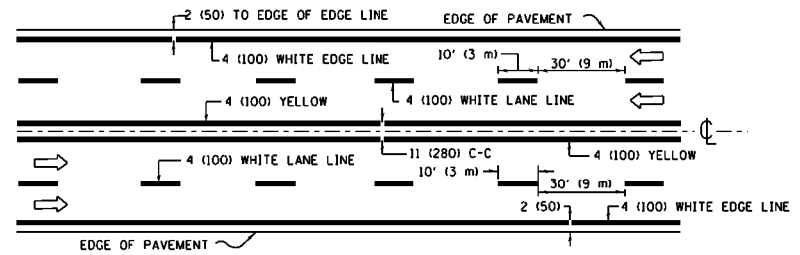
LEFT TURN

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

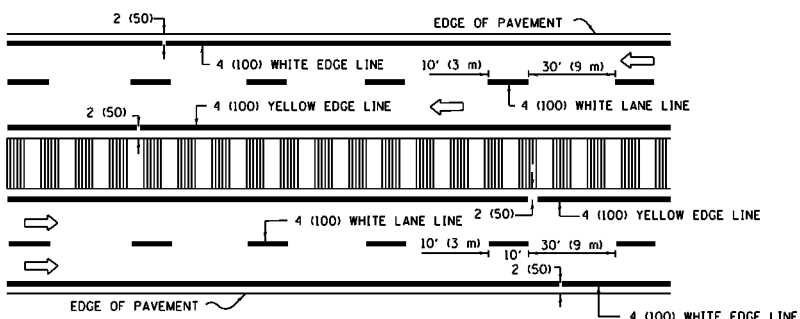
| | | | | | | | | | | | | | |
|--|----------------------|------------|---------------------------------|---|---------------------------------|---|-------------|-------------------------|---------|----------------|---------------------------|---|----|
| FILE NAME = | USER NAME = gulloumf | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL APPLICATIONS | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw\11084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI046\DRM\Design\DistStd.dgn | | | | | REVISED - T. RAMMACHER 03-12-99 | RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) | | | 3512 | 2018-104-R5&5W | COOK | 44 | 39 |
| PLOT SCALE = 100.0000' / 1in. | | | | | CHECKED - | REVISED - T. RAMMACHER 01-06-00 | | | | TC-11 | | | |
| PLOT DATE = 12/17/2018 | | | | | DATE - | REVISED - C. JUCCIUS 09-09-09 | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | CONTRACT NO. 62H43 | | |
| | | | | | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |



2-LANE ROADWAY

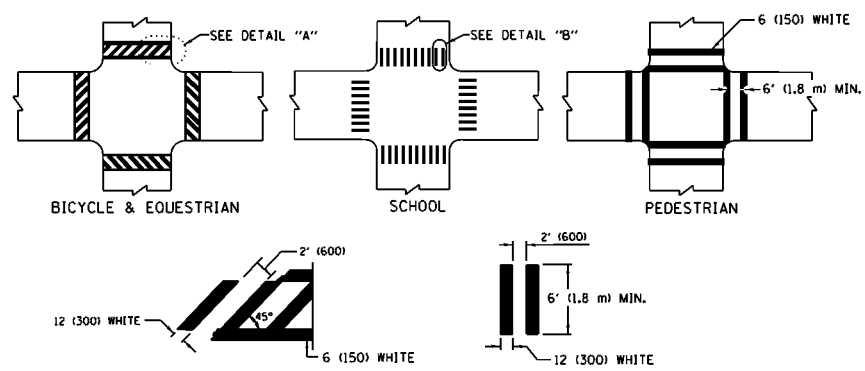


MULTI-LANE UNDIVIDED



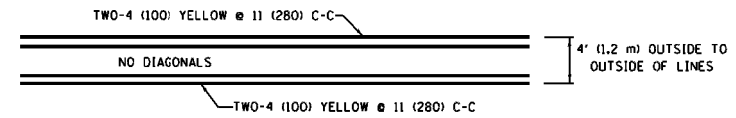
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

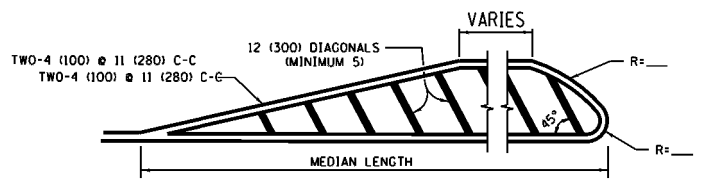


TYPICAL CROSSWALK MARKING

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

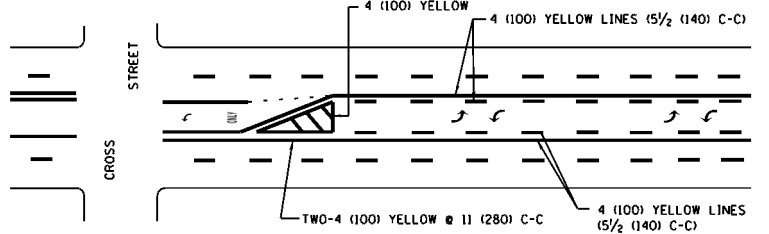


4' (1.2 m) WIDE MEDIANS ONLY

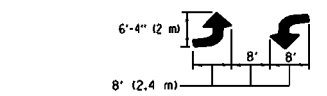


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

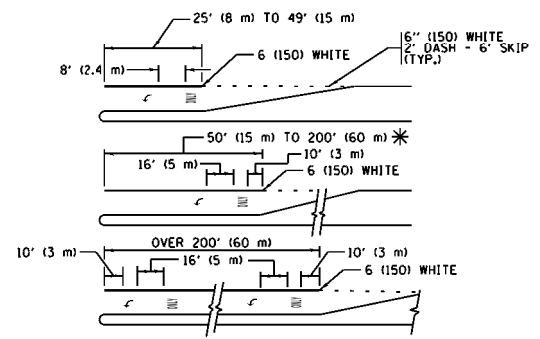
MEDIANS OVER 4' (1.2 m) WIDE



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.

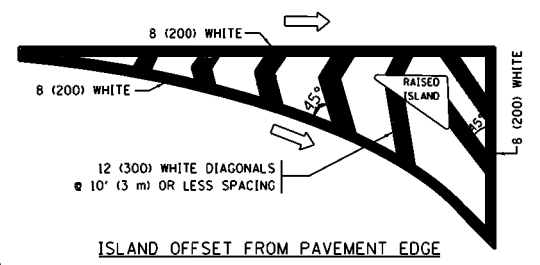


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

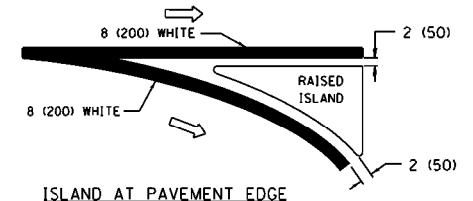


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

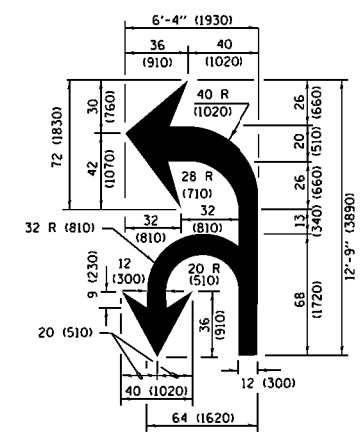
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



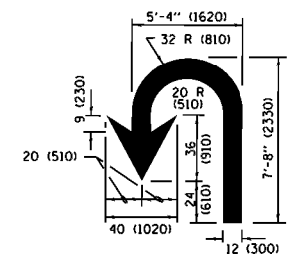
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

| | | | |
|---|-------------------------------|------------------|------------------------------|
| FILE NAME = | USER NAME = gulloumefp | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| pwi\IL084EBID\INTEG\illinois.gov\PIWID01\Documents\IDOT Offices\District 1\Projects\DI04\BID\Design\DistStd.dgn | | CHECKED - | REVISED - C. JUCIUS 07-01-13 |
| Default | PLOT SCALE = 100.0000' / 1in. | DATE - 03-19-90 | REVISED - C. JUCIUS 12-21-15 |
| | PLOT DATE = 12/17/2018 | | REVISED - C. JUCIUS 04-12-16 |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | | | |
|---|---------|-------------|--------------|
| DISTRICT ONE TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|---------------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3512 | 2018-104-R5&W | COOK | 44 | 40 |
| TC-13 | | | CONTRACT NO. 62H43 | |
| ILLINOIS FED. AID PROJECT | | | | |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

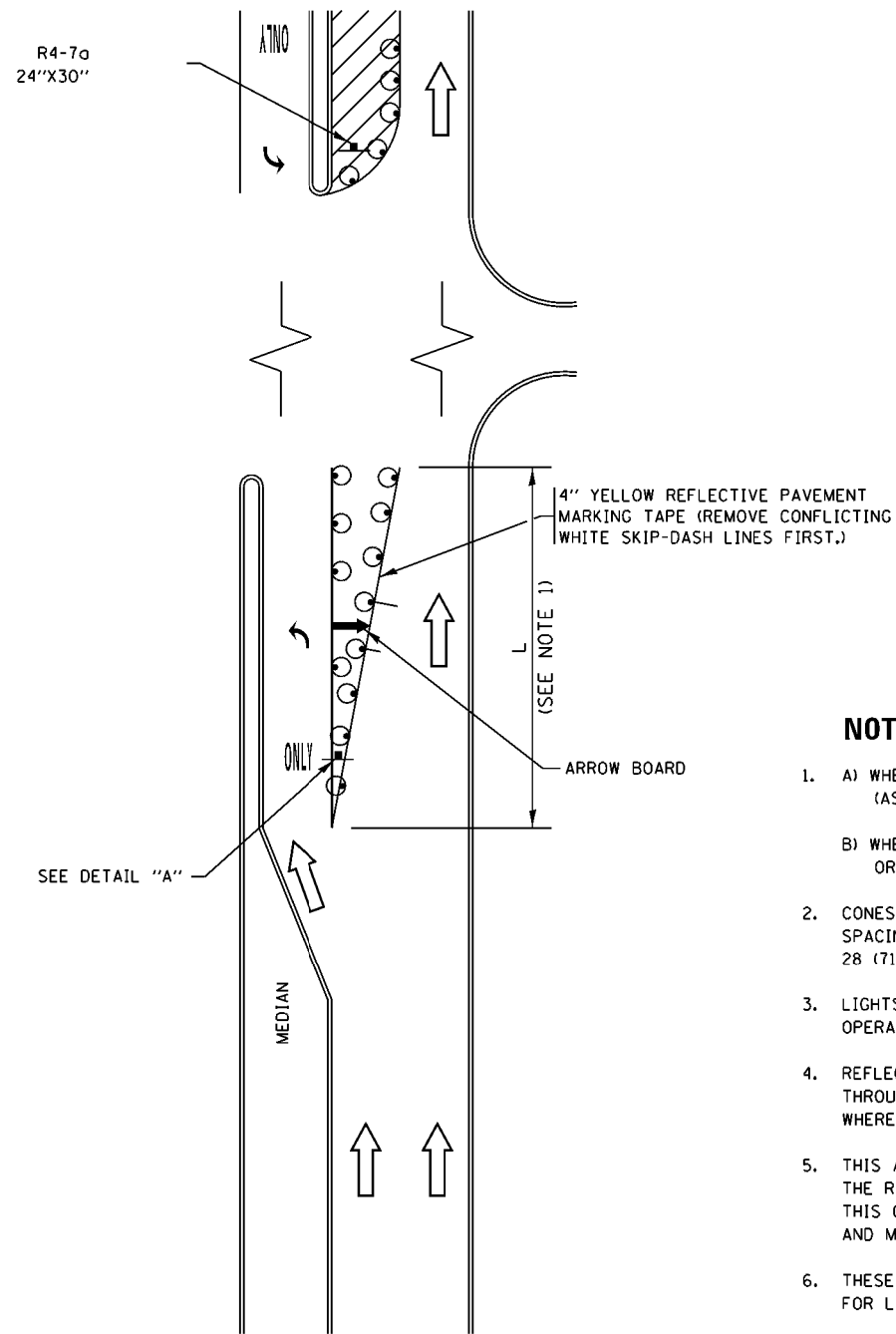
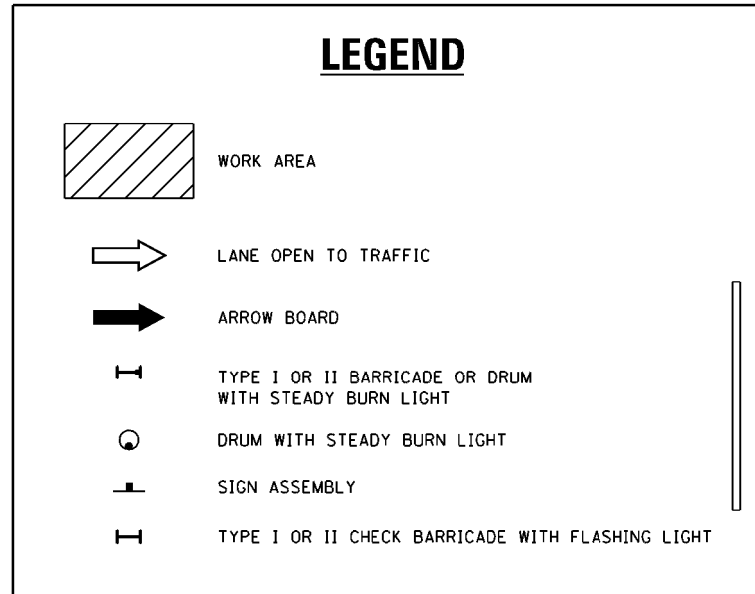


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

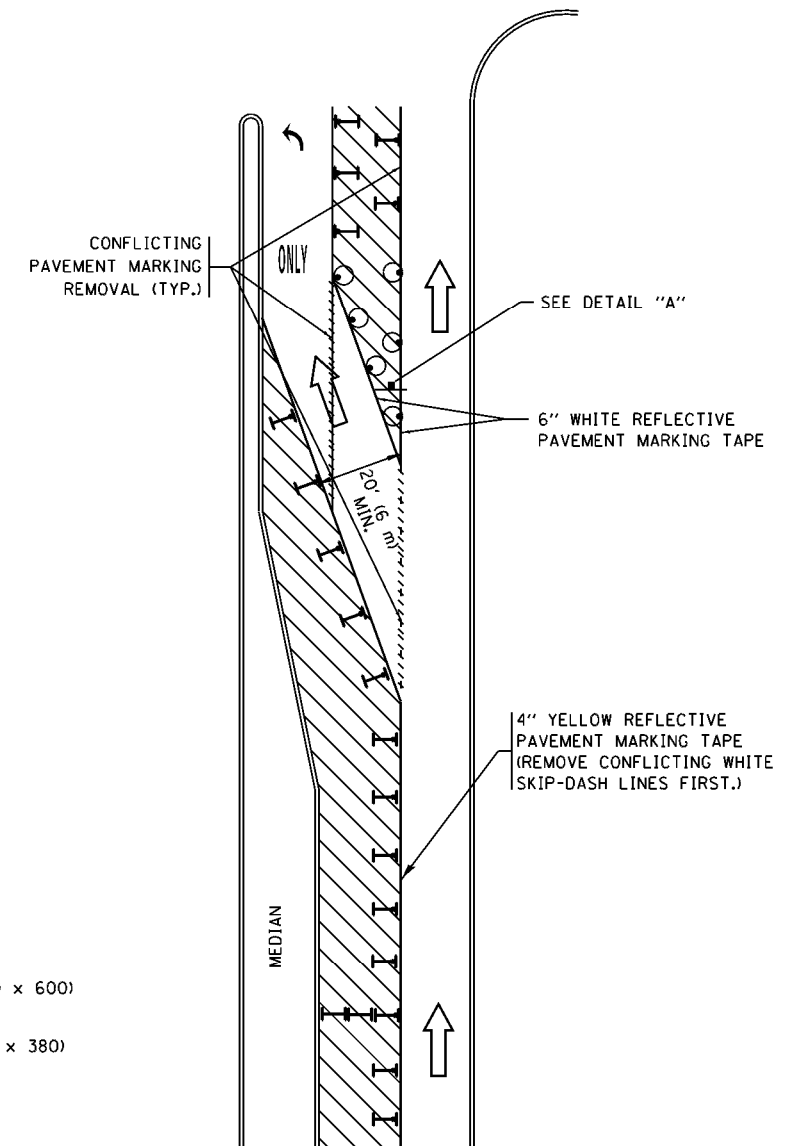
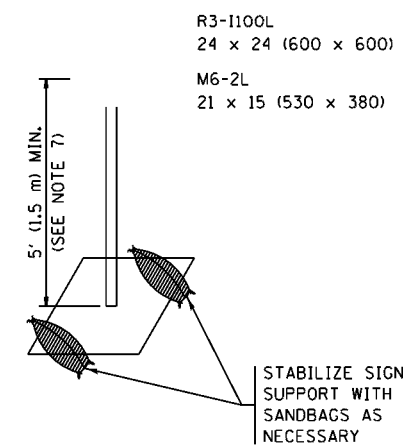


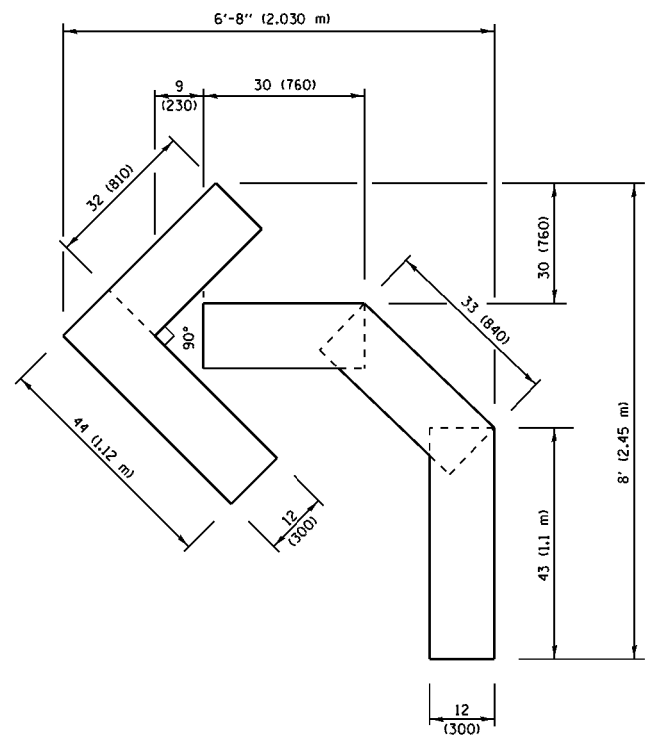
FIGURE 2



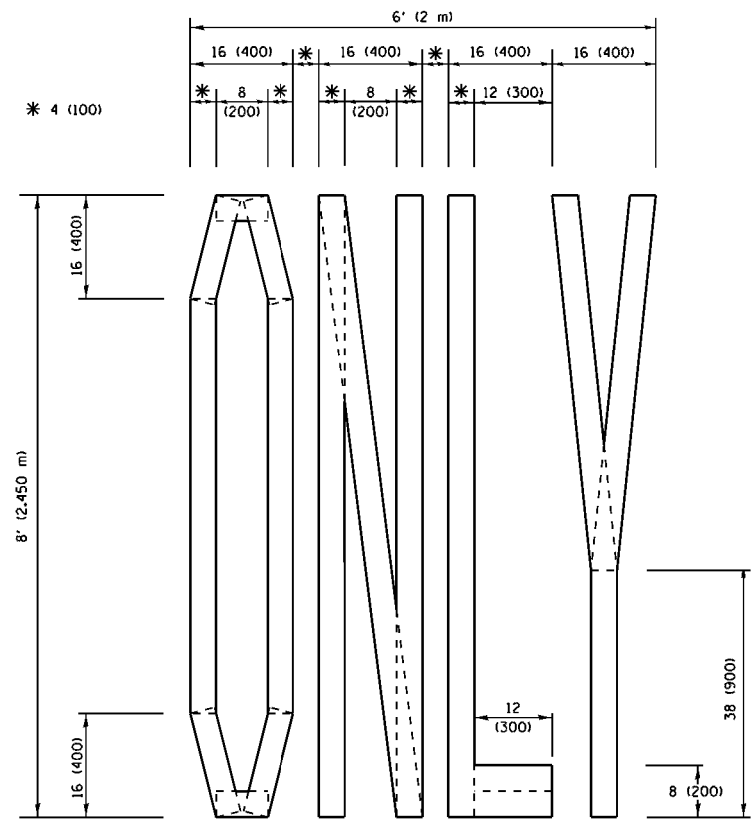
DETAIL A

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

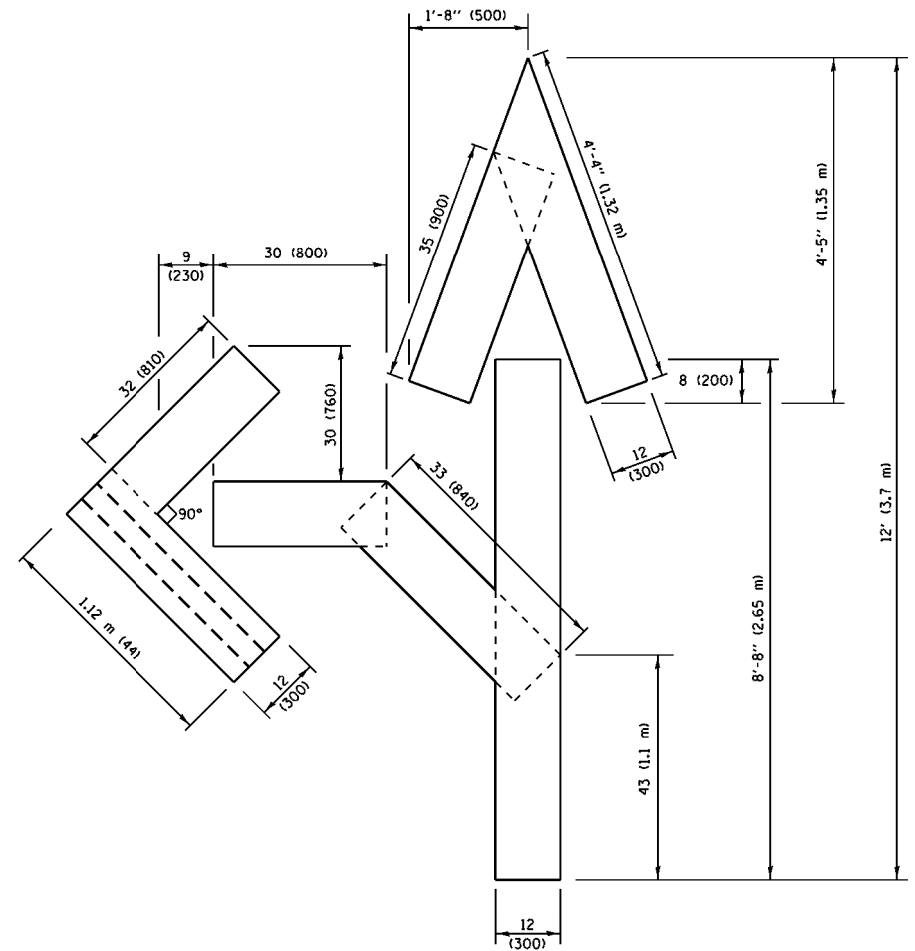
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|-------------|------------------------------|---------------------------------|--------------------------------|---|--|--|--|-------------|----------------|--------------------|--------------|---------------------------|
| FILE NAME = | USER NAME = gulloumefp | REVISED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| Default | PLT SCALE = 100.0000' / 1in. | REVISED - A. HOUSEH 10-12-96 | REVISED - A. SCHUETZE 09-15-16 | | | | | 3512 | 2018-104-RS&SW | COOK | 44 | 41 |
| | PLT DATE = 12/17/2018 | REVISED - T. RAMMACHER 01-06-00 | REVISED - | | | | | TC-14 | | CONTRACT NO. 62H43 | | ILLINOIS FED. AID PROJECT |



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

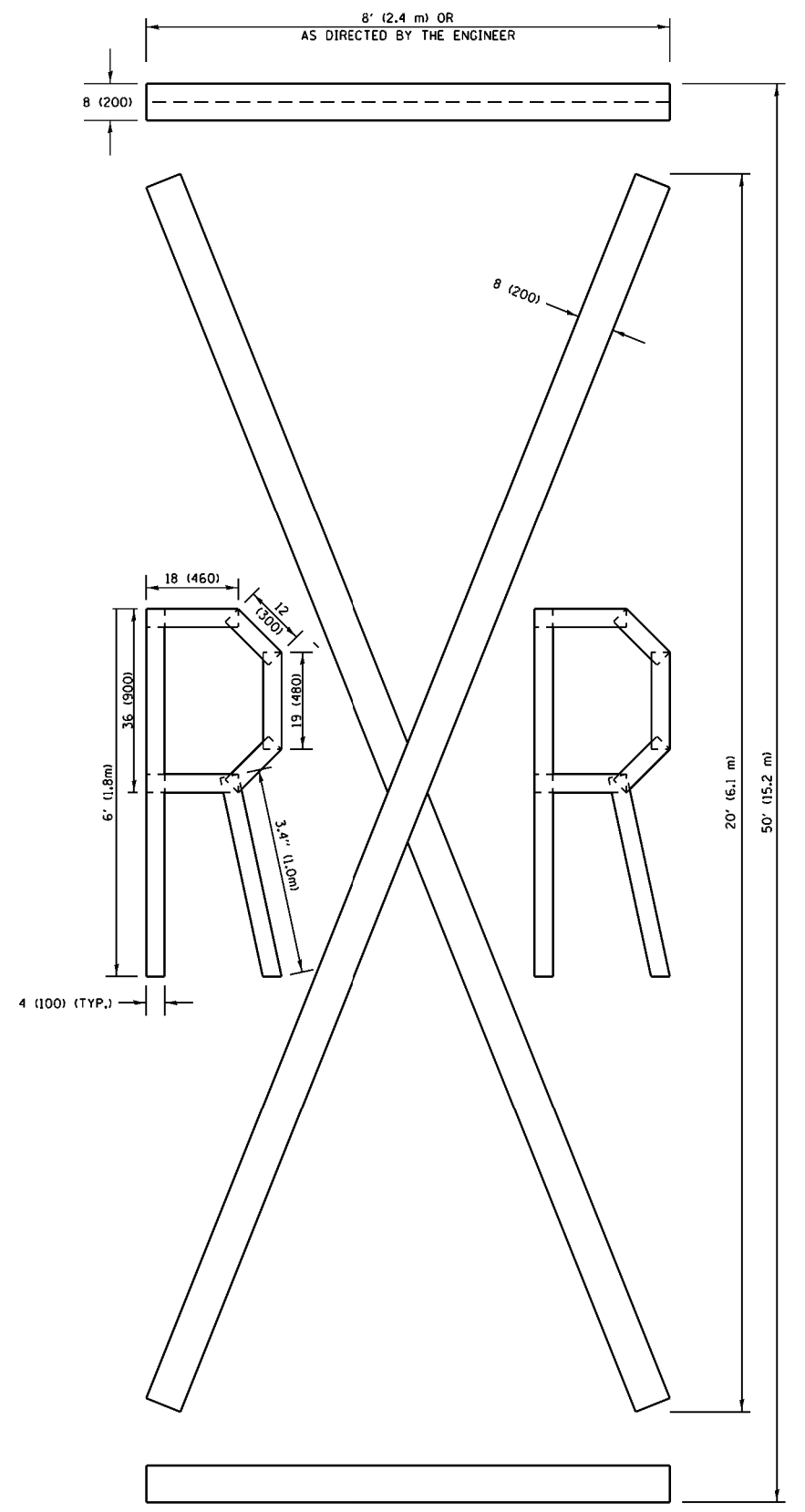


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

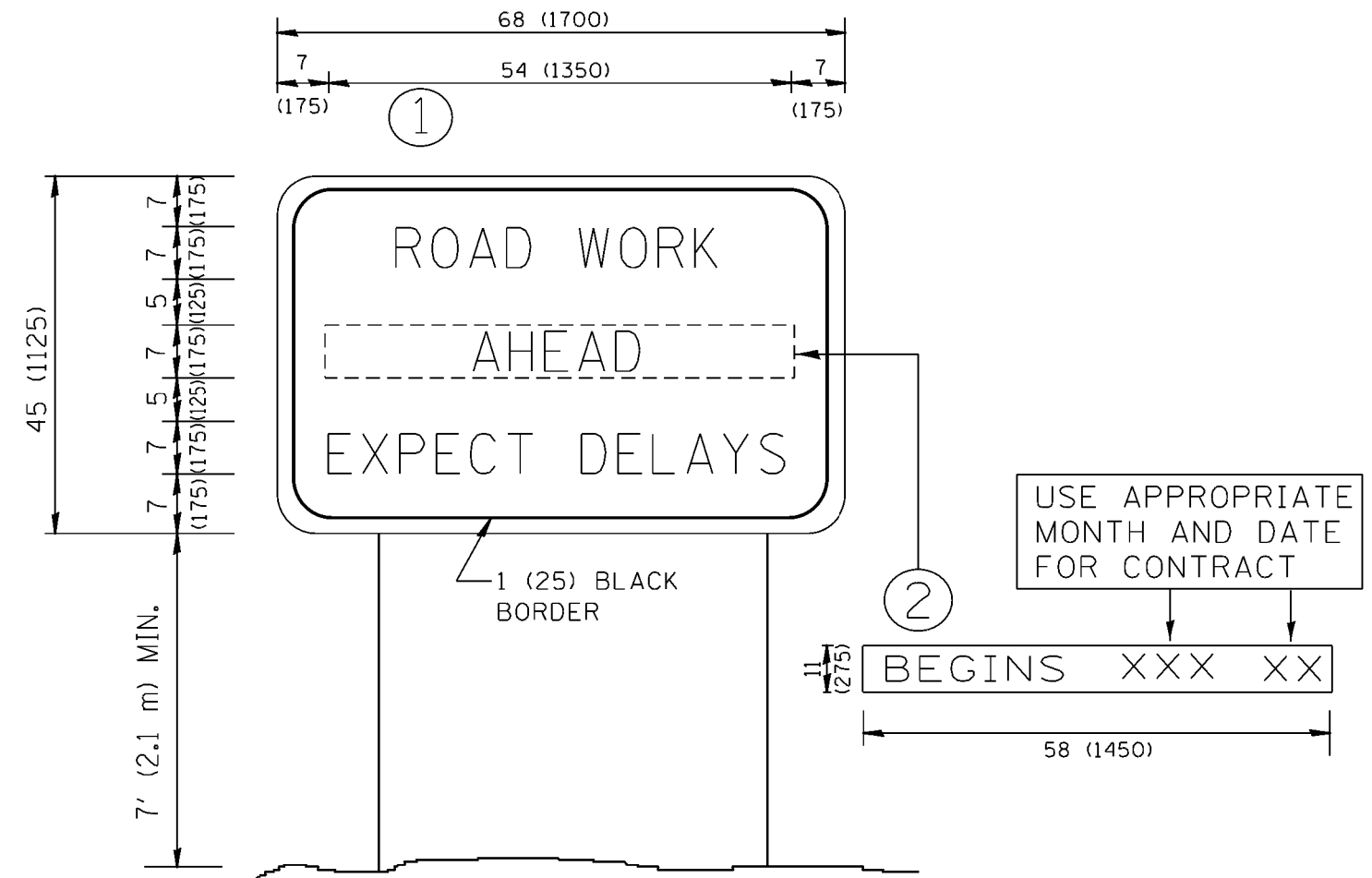
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|---|------------------------|------------|---------------------------------|
| FILE NAME = | USER NAME = gulloumefp | DESIGNED - | REVISED - T. RAMMACHER 03-02-98 |
| p:\11084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI04\BROWDeto\Design\DistStd.dgn | | CHECKED - | REVISED - E. GOMEZ 08-28-00 |
| | | DATE - | REVISED - E. GOMEZ 08-28-00 |
| | | | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

| | | | | |
|---|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3512 | 2018-104-R5&S# | COOK | 44 | 42 |
| TC-16 | | CONTRACT NO. 62H43 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

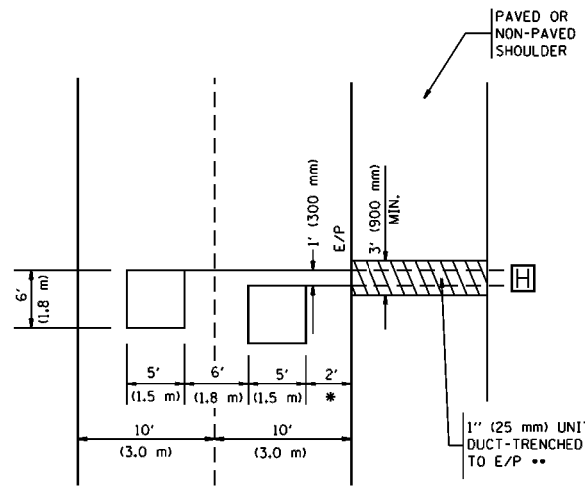
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

| | | | | | | | | | | |
|--|------------------------|---------------------------------|----------------------------|---|---|-------------|-------------------------|--------------------|--------------|---|
| FILE NAME = | USER NAME = gulloumefp | DESIGNED - | REVISED - R. MIRS 09-15-97 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARTERIAL ROAD INFORMATION SIGN | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw\ILL084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI046\DRW\Info\Design\DistStd.dgn | | REVISED - R. MIRS 12-11-97 | | | | 3512 | 2018-104-R5&5W | COOK | 44 | 43 |
| PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 | | | | TC-22 | | CONTRACT NO. 62H43 | | |
| PLOT DATE = 12/17/2018 | DATE - | REVISED - C. JUCIUS 01-31-07 | | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



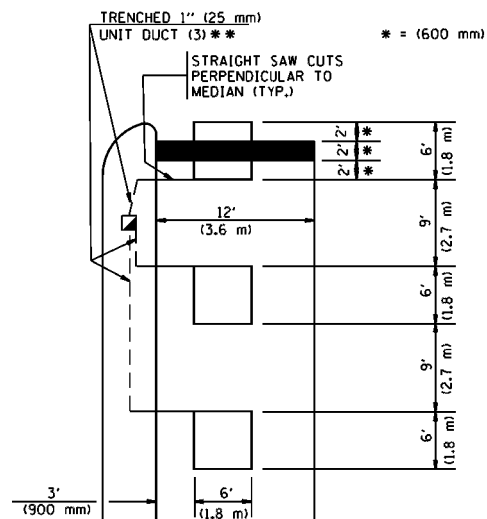
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

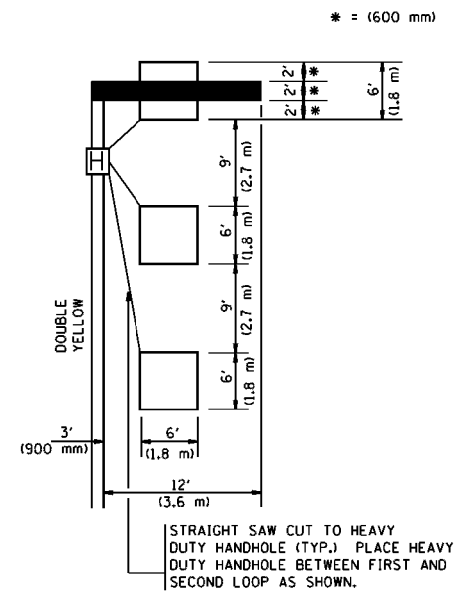


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



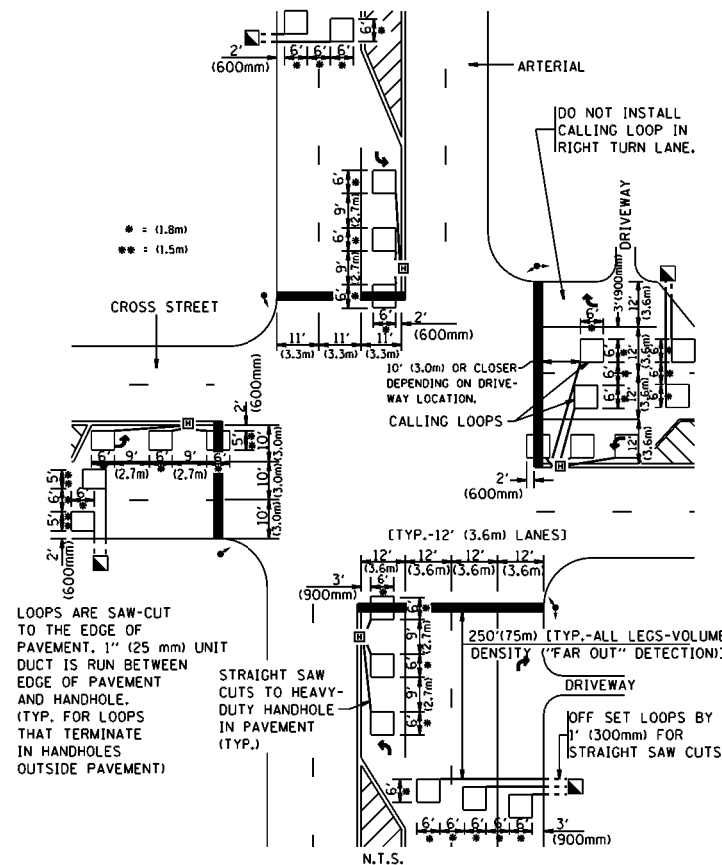
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

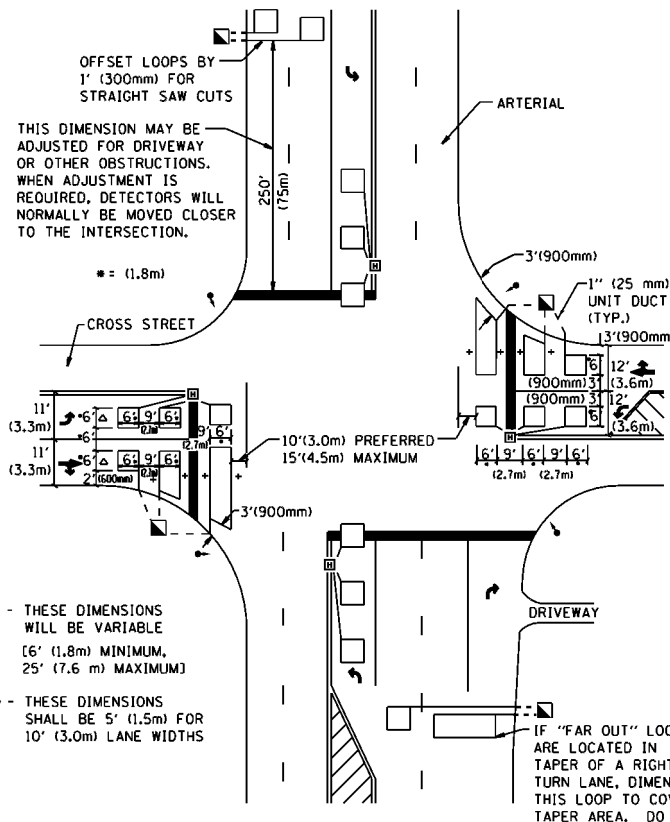
- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2
N.T.S.**

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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|---|------------------------|------------------|-----------|---|--|-------------------------|-------------|---------------|---------------------------------------|--------------|--------------------|
| FILE NAME = | USER NAME = gulloumefp | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT 1 - DETECTOR LOOP INSTALLATION | | F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI04\DRM\Design\DistStd.dgn | | CHECKED - R.K.F. | REVISED - | | DETAILS FOR ROADWAY RESURFACING | | 3512 | 2018-104-RS&S | COOK | 44 | 44 |
| PLOT SCALE = 100.0000' / 1in. | | DATE - | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | TS-07 | | CONTRACT NO. 62H43 |
| PLOT DATE = 12/17/2018 | | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT |