

FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	1
ILLINOIS PROJECT XGUD(791)				
CONTRACT NO. 61F93				

09-20-2019 LETTING ITEM 008
 FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 2406 (BROADWAY AVENUE)
 DIVISION STREET TO NORTH AVENUE
 RESURFACING
 SECTION NO.: 19-00141-00-RS
 PROJECT NO.: XGUD(791)
 VILLAGE OF MELROSE PARK
 COOK COUNTY
C-91-334-19

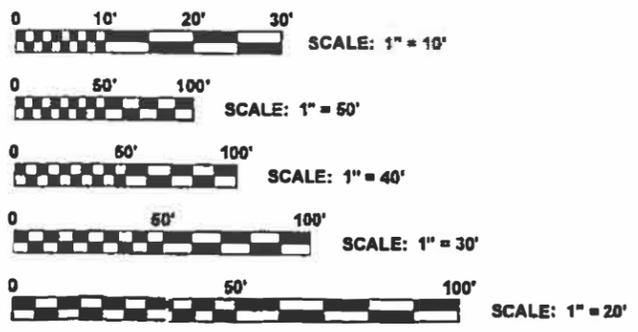


LOCATION OF SECTION INDICATED THUS:

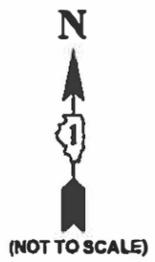
TRAFFIC DATA
 ADT (2014) = 6,800
 POSTED SPEED LIMIT = 25 MPH
 DESIGN SPEED LIMIT = 25 MPH

DESIGN DESIGNATION
 MAJOR COLLECTOR

PROJECT LOCATED IN THE
 VILLAGE OF MELROSE PARK



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.



STATE OF ILLINOIS
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED: *[Signature]* APRIL 17, 2019
 VILLAGE OF MELROSE PARK, PRESIDENT

PASSED: *[Signature]* 5/20/2019
 DISTRICT ENGINEER - LOCAL ROADS & STREETS

RELEASED FOR BID
 BASED ON LIMITED REVIEW
 MAY 20, 2019
[Signature]
 REGIONAL ENGINEER

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SIGNED: *[Signature]*
 DATE: APRIL 17, 2019 LICENSE EXPIRES: 11-30-19

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- Civil Engineers 9933 Roosevelt Road Westchester, IL 60154-2780
- Municipal Consultants Phone: 708-665-0300
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CONTRACT NO. 61F93

- AREA OF IMPROVEMENT
 GROSS LENGTH OF IMPROVEMENT = 2,658 FT = 0.503 MI
 NET LENGTH OF IMPROVEMENT = 2,658 FT = 0.503 MI

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, SCHAUMBURG, IL

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET, LOCATION MAP
2	INDEX OF SHEETS, AND IDOT HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	M.W.R.D.G.C. GENERAL NOTES
6-9	SUMMARY OF QUANTITIES
10-11	EXISTING AND PROPOSED TYPICAL SECTIONS
12-13	RESURFACING/ PAVEMENT MARKING PLAN
14-20	SIDEWALK ADA RAMP DETAILS
21-22	EROSION CONTROL PLAN
23	JOB SPECIFIC MELROSE PARK DETAILS
24	DETAILS FOR FRAME AND LIDS ADJUSTMENT WITH MILLING (BD-08)
25	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
26	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
27	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
28	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
29	ARTERIAL ROAD INFORMATION SIGN (TC-22)

IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
701006-05	OFF ROAD OPERATION MARKERS, 2L, 2W 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2-LANE, 2-WAY, SHORT-TIME OPERATIONS
701311-03	LANE CLOSURE, 2-LANE, 2-WAY, MOVING OPERATIONS, DAY ONLY
701501-06	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS

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DATE - 5-13-19	REVISED - -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, AND IDOT HIGHWAY STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	2
FED. ROAD DIST. NO. 1 ILLINOIS				CONTRACT NO. 61F93
FED. AID PROJECT				

E.H.E. PROJECT NO. 600-18-27901

GENERAL NOTES

STANDARDS

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE INDEX OF SHEETS IN THE PLANS. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016. THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2014 7TH EDITION, AND THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

UNDERGROUND UTILITIES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

THE LOCATIONS OF THE UNDERGROUND UTILITIES IF SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF MELROSE PARK, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF MELROSE PARK.

FRAMES AND GRATES

THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

ON ALL IMPROVEMENTS, THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF MELROSE PARK AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF MELROSE PARK LOCATED AT 1002 27TH AVENUE, MELROSE PARK, (708) 343-5128.

MANHOLE OR VALVE COVERS

THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAINTAIN AT ALL TIMES FLOW THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE/SHE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES THAT ARE NOT TO BE INCORPORATED INTO THE PROJECT SHALL BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. EXISTING STRUCTURES ARE TO BE INSPECTED BEFORE CONSTRUCTION STARTS - ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR.

TREE PROTECTION

EXISTING TREES AT PARKWAYS OUTSIDE OF CONSTRUCTION LIMITS SHALL REMAIN DURING THE CONSTRUCTION. ANY DAMAGE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. NO COMPENSATION IS ALLOWED.

MWRDGC MATERIAL

THE "MATERIAL" REFERRED TO ON SHEET 4 OF THE MWRDGC GENERAL NOTES ITEM #9, SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016. THIS "MATERIAL" INCLUDES BUT IS NOT LIMITED TO HMA SURFACE, COURSE, POLYMERIZED LEVELING BINDER, HMA BINDER, STONE COMPACTION VIA NUCLEAR DENSITY, AND PORTLAND CEMENT CONCRETES.

OPEN EXCAVATIONS

THE CONTRACTOR SHALL NOT LEAVE ANY EXCAVATION NECESSARY FOR PAVEMENT PATCHES OR STRUCTURE ADJUSTMENTS OPEN OVERNIGHT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR INSTALLING A PLATE OVER ALL EXCAVATIONS AT THE END OF EACH DAY.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT AND/OR OTHER STRUCTURES, THE CONTRACTOR SHALL NOT USE ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, THAT MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY APPROVED MEANS OR AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED.

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

THIS ITEM ONLY PERTAINS TO STRUCTURES LOCATED IN THE CONCRETE OR HOT-MIX ASPHALT ROADWAY PAVEMENT AREAS THAT WILL REQUIRE CONCRETE OR HOT-MIX SURFACE REMOVAL. THE ENGINEER WILL MARK IN THE FIELD ALL STRUCTURES TO BE ADJUSTED UNDER THIS ITEM. SEE DETAIL SHEET FOR "FRAMES AND LIDS ADJUSTMENT WITH MILLING".

FIELD OFFICE

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

BUTT JOINTS

A BUTT JOINT WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

MILLED PAVEMENT OPEN TO TRAFFIC

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

PAVING OPERATIONS

THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE HIS/HER OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CENTERLINE WILL HAVE A COLD JOINT OVERNIGHT.

PAVEMENT PATCHING

LOCATIONS OF D PATCHES ON PLANS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN FIELD BY ENGINEER. CLASS D PATCHES LOCATED WITHIN THE THROUGH LANES SHALL BE MADE ACCESSIBLE TO TRAFFIC AT THE END OF EACH WORK DAY.

PAVEMENT PATCHING SHALL BE STAGED TO MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES.

PAVEMENT MARKING

TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS/MARKERS, THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT (847) 705-4413.

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DATE	- 5-13-19	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	3
CONTRACT NO. 61F93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 600-18-27901

M.W.R.D.G.C. GENERAL NOTES

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 - * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 - * VILLAGE OF MELROSE PARK MUNICIPAL CODE;
 - * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 - * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. THE VILLAGE OF MELROSE PARK ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS 0.0 FT.

4. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
5. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION OR TESTING OF THIS WORK ON THE PROJECT.
6. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
7. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
8. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED BY THE CONTRACTOR.
9. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
10. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENT TO NOTIFY ALL INSPECTION AGENCIES.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
12. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

PIPE MATERIAL

- VITRIFIED CLAY PIPE
- REINFORCED CONCRETE SEWER PIPE
- CAST IRON SOIL PIPE
- DUCTILE IRON PIPE
- POLYVINYL CHLORIDE (PVC) PIPE
- 6-INCH TO 15-INCH DIAMETER SDR 26
- 18-INCH TO 27-INCH DIAMETER F/DY=46
- HIGH DENSITY POLYETHYLENE (HDPE)

PIPE SPECIFICATIONS

- ASTM C-700
- ASTM C-76
- ASTM A-74
- ANSI A21.51
- ASTM D-3034
- ASTM F-679
- ASTM D-3350
- ASTM D-3035

JOINT SPECIFICATIONS

- ASTM C-425
- ASTM C-443
- ASTM C-564
- ANSI A21.11
- ASTM D-3212
- ASTM D-3212
- ASTM D-3261, F-2620 (HEAT FUSION)
- ASTM D-3212, F-477 (GASKETED)

WATER MAIN QUALITY PVC

- 4-INCH TO 36-INCH
- 4-INCH TO 12-INCH
- 14-INCH TO 48-INCH

- ASTM D-2241
- AWWA C900
- AWWA C905

- ASTM D-3139
- ASTM D-3139
- ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL

- POLYPROPYLENE (PP) PIPE
- 12-INCH TO 24-INCH DOUBLE WALL
- 30-INCH TO 60-INCH TRIPLE WALL

PIPE SPECIFICATIONS

- ASTM F-2736
- ASTM F-2764

JOINT SPECIFICATIONS

- D-3212, F-477
- D-3212, F-477

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:
8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

M.W.R.D.G.C. GENERAL NOTES

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	4
CONTRACT NO. 61F93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

M.W.R.D.G.C. GENERAL NOTES

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
 10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS, SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
 11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 - a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
 - b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 - c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING FLEXIBLE NON-SHEAR CONNECTORS TO HOLD IT FIRMLY IN PLACE.
 12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
 13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
 14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
 15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
 16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
 17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
 18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.
- E. EROSION AND SEDIMENT CONTROL**
1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
 2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
 3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
 5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 - b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
 6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
 7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
 8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
 9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
 10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
 11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
 12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
 13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
 14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
 15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
 16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
 17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
 18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
 20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
 21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
 22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
 23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

M.W.R.D.G.C. GENERAL NOTES

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	5
CONTRACT NO. 61F93			FED. AID PROJECT	
FED. ROAD DIST. NO. 1 ILLINOIS				

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S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code Resurfacing 0005 80%Federal 20%Local
		21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	1,600	1,600
		25200100	SODDING	SQ YD	1,600	1,600
		25200200	SUPPLEMENTAL WATERING	UNIT	50	50
		28000510	INLET FILTERS	EACH	30	30
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,200	9,200
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	600	600
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	150	150
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,550	1,550
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	20	20
		42101300	PROTECTIVE COAT	SQ YD	2,000	2,000
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	200	200
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	12,500	12,500
		42400800	DETECTABLE WARNINGS	SQ FT	400	400
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	200	200



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 4 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	6
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	

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S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code Resurfacing 0005 80%Federal 20%Local
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,550	1,550
		44000600	SIDEWALK REMOVAL	SQ FT	12,500	12,500
		44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	50	50
		44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	100	100
		44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	350	350
		44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	900	900
		56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	5	5
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	3	3
		60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1
		60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4	4
		60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1
		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	25	25
		60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	20	20
		60600605	CONCRETE CURB, TYPE B	FOOT	25	25



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 4 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	7
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	

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S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code Resurfacing 0005 80%Federal 20%Local
		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	1,550	1,550
	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5	5
	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
	*	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	1	1
	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
		67100100	MOBILIZATION	LSUM	1	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	45	45
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,000	3,000
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,000	5,000
	*	78000100	THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS	SQ FT	20	20
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,000	8,000

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	8
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	

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S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code Resurfacing 0005 80%Federal 20%Local
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	200	200
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	240	240
	*	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	20	20
	*	78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	50	50
	*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	35	35
		X0327611	REMOVE AND REINSTALL BRICK PAVERS	SQ FT	300	300
		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	13,500	13,500
		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	25	25
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52



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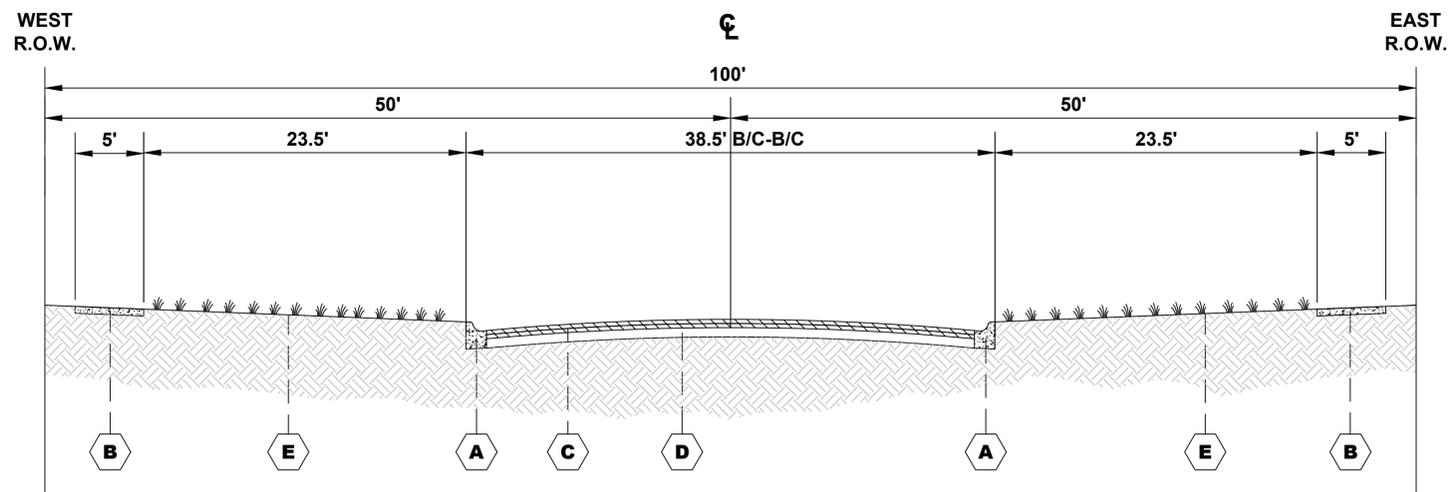
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SUMMARY OF QUANTITIES

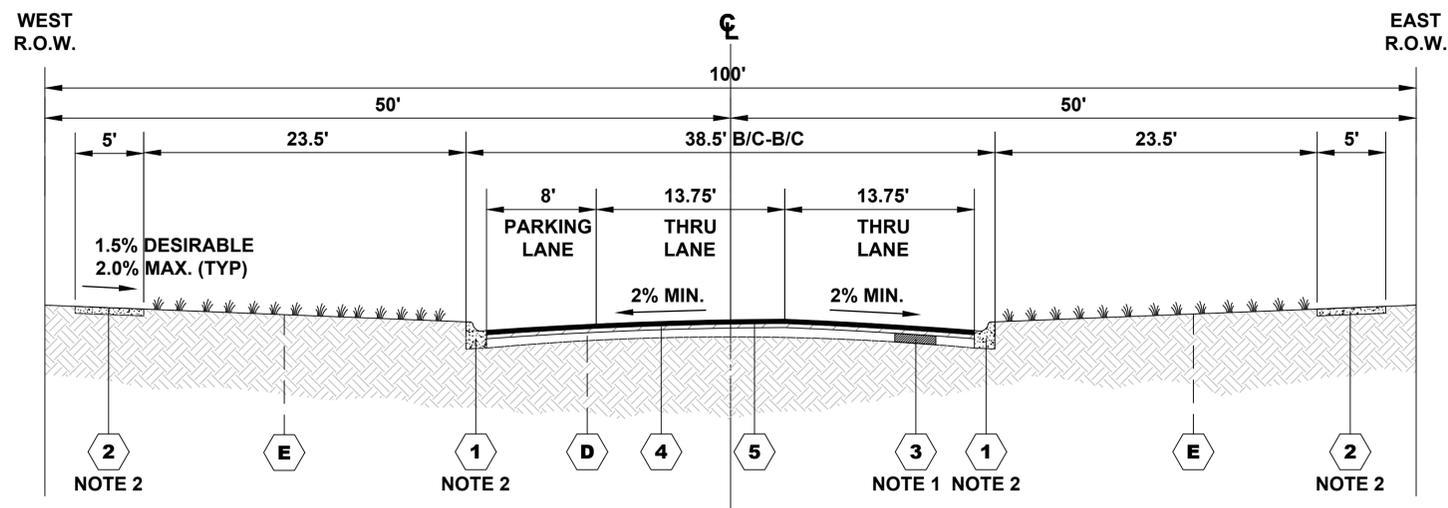
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F.A.U. RTE. 2406	SECTION 19-00141-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 9
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	



**EXISTING TYPICAL SECTION
BROADWAY AVENUE
STATION 0+20 TO STATION 21+25**

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	
EXISTING	A	EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
	B	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
	C	EXISTING HOT-MIX ASPHALT BINDER AND SURFACE COURSES
	D	EXISTING AGGREGATE BASE COURSE
	E	EXISTING LANDSCAPED PARKWAY
PROPOSED	1	PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.12
	2	PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	3	PROPOSED CLASS D PATCHES, 8" (AS LOCATED IN FIELD)
	4	PROPOSED POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"
	5	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"



**PROPOSED TYPICAL SECTION
BROADWAY AVENUE
STATION 0+20 TO STATION 21+25**

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL 9.5mm), 2"	4% @ 70 Gyr
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 Gyr
CLASS D PATCHES (HMA BINDER IL-19mm), 8"	4% @ 70 Gyr
INCIDENTAL HOT-MIX ASPHALT SURFACING (HMA SURFACE, MIX "D", N50 IL 9.5mm), 3"	4% @ 50 Gyr

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

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

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

NOTE

- CONTRACTOR SHALL MILL BEFORE PATCHING
- SIDEWALK AND CURB & GUTTER LIMITS AS SHOWN ON PLANS
- PAVEMENT PATCHING SHALL BE STAGED TO MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES

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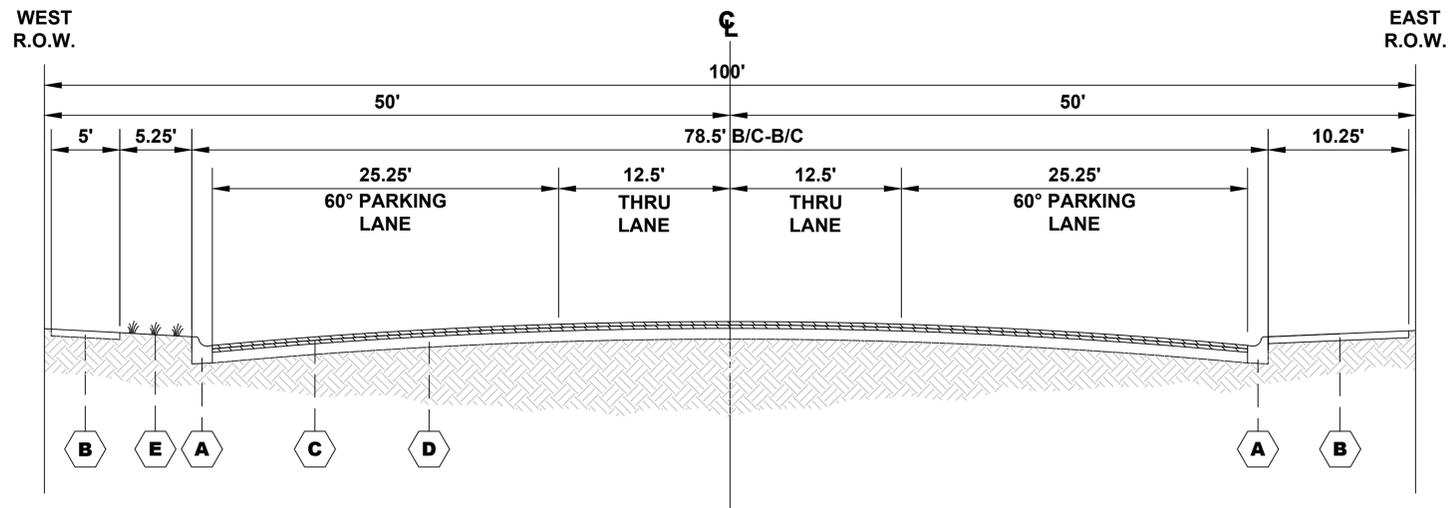
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED
TYPICAL SECTIONS**

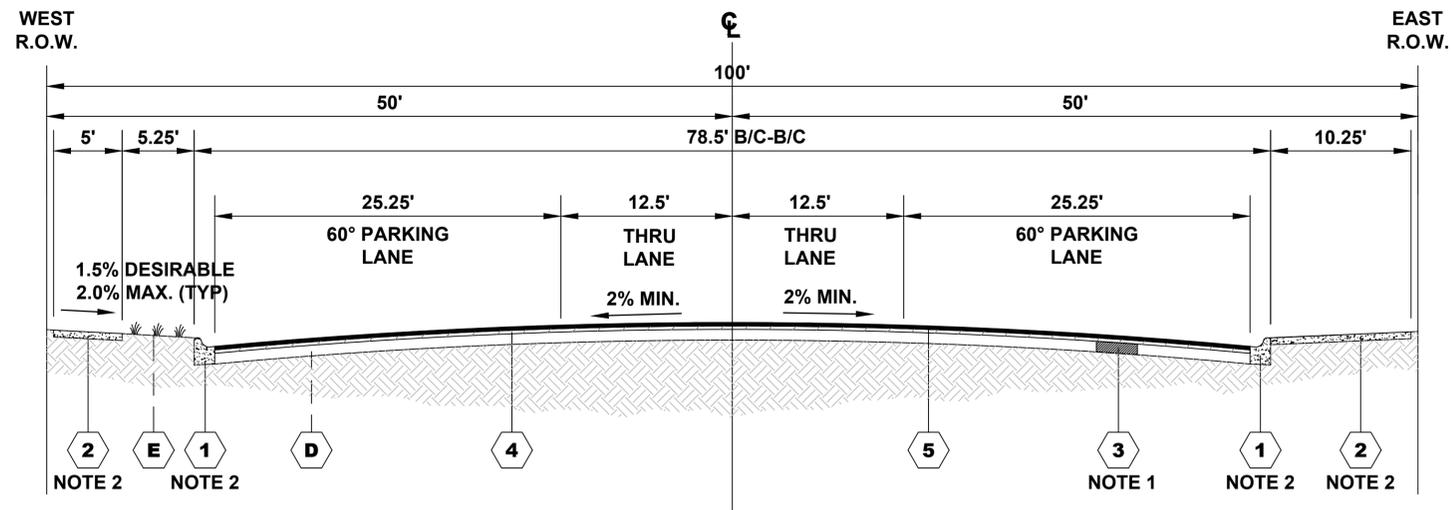
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	10
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	



EXISTING TYPICAL SECTION
BROADWAY AVENUE
STATION 21+25 TO STATION 26+78

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	
EXISTING	A	EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
	B	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
	C	EXISTING HOT-MIX ASPHALT BINDER AND SURFACE COURSES
	D	EXISTING AGGREGATE BASE COURSE
	E	EXISTING LANDSCAPED PARKWAY
PROPOSED	1	PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.12
	2	PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
	3	PROPOSED CLASS D PATCHES, 8" (AS LOCATED IN FIELD)
	4	PROPOSED POLYMERIZED LEVELING BINDER, (MM), IL-4.75, N50, 3/4"
	5	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"



PROPOSED TYPICAL SECTION
BROADWAY AVENUE
STATION 21+25 TO STATION 26+78

NOTE

- CONTRACTOR SHALL MILL BEFORE PATCHING
- SIDEWALK AND CURB & GUTTER LIMITS AS SHOWN ON PLANS
- PAVEMENT PATCHING SHALL BE STAGED TO MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES

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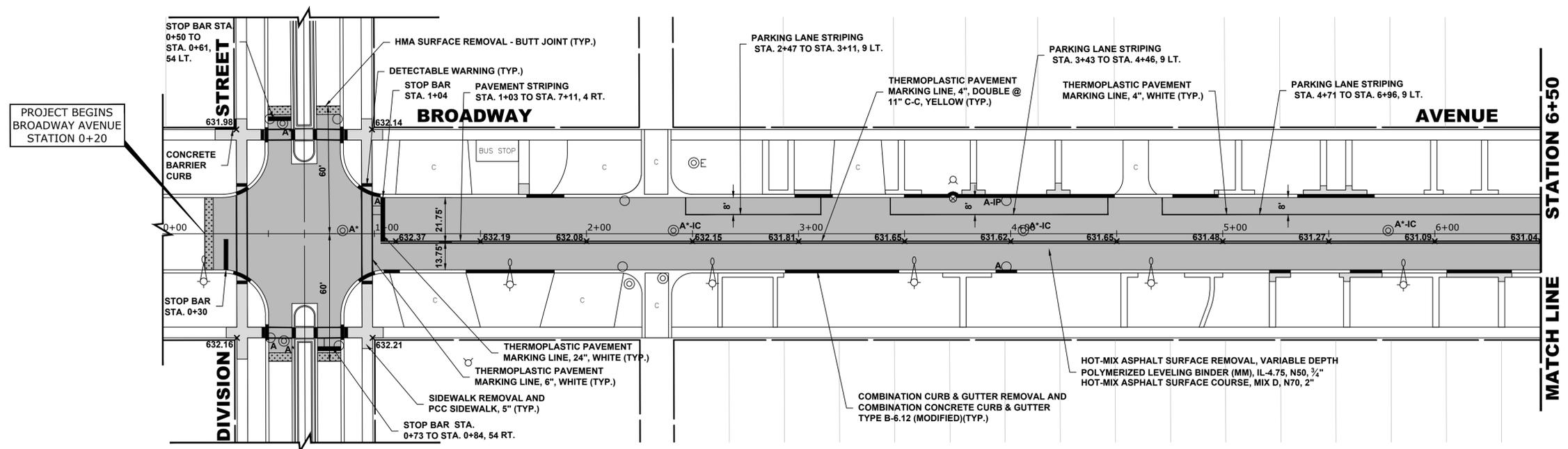
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
 SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	11
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	



PROJECT BEGINS
BROADWAY AVENUE
STATION 0+20

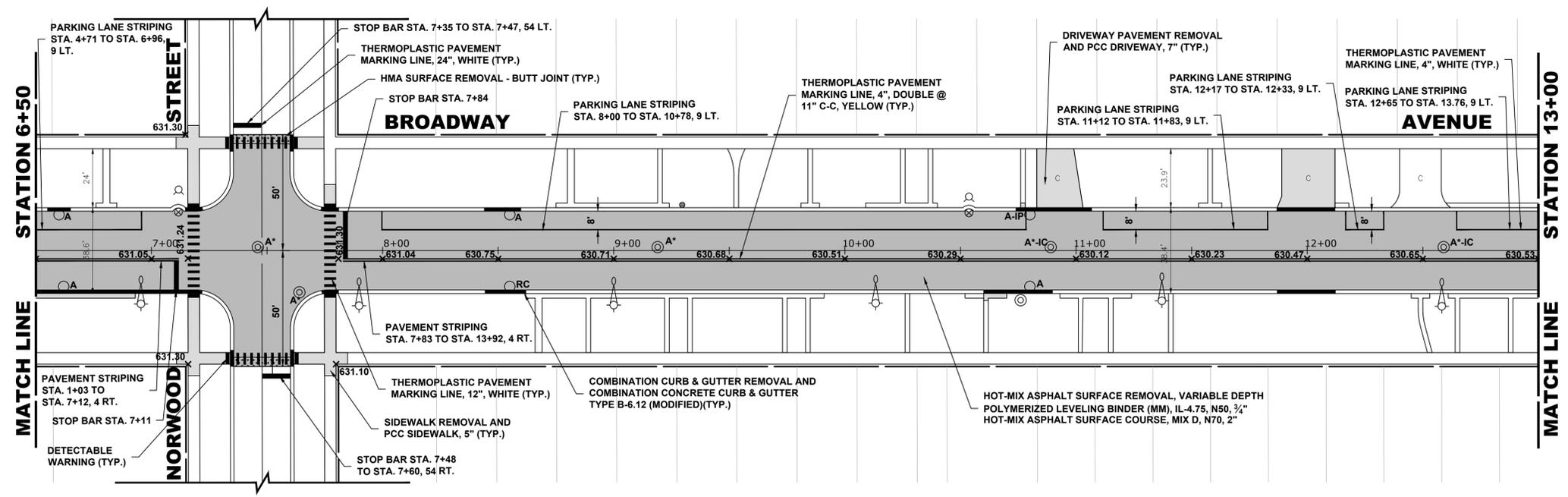
STATION 6+50
MATCH LINE

PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+	PROPOSED HOT-MIX ASPHALT BUTT JOINT
⊠	REMOVE AND REINSTALL BRICK PAVER
■	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
■	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
⊕	EXISTING FIRE HYDRANT
⊗	EXISTING WATER VALVE BOX
⊠	EXISTING WATER MAIN VALVE VAULT
⊠	EXISTING STORM SEWER INLET
○	EXISTING STORM SEWER CATCH BASIN
●	PROPOSED STORM SEWER CATCH BASIN
⊙	EXISTING SEWER MANHOLE
⊙	EXISTING STREET LIGHT POLE
⊙	EXISTING POWER POLE
⊙	EXISTING HANDHOLE
—	EXISTING CURB AND GUTTER
—	PROPOSED CONCRETE CURB, TYPE B
—	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
—	EXISTING STORM SEWER
—	EXISTING COMBINED SEWER
—	EXISTING WATER MAIN



STATION 6+50
MATCH LINE

STATION 13+00
MATCH LINE

PROPOSED IMPROVEMENTS

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DESIGNED	—	REVISED	—
DRAWN	TG, SFB, DMM	REVISED	—
CHECKED	—	REVISED	—
DATE	5-13-19	REVISED	—

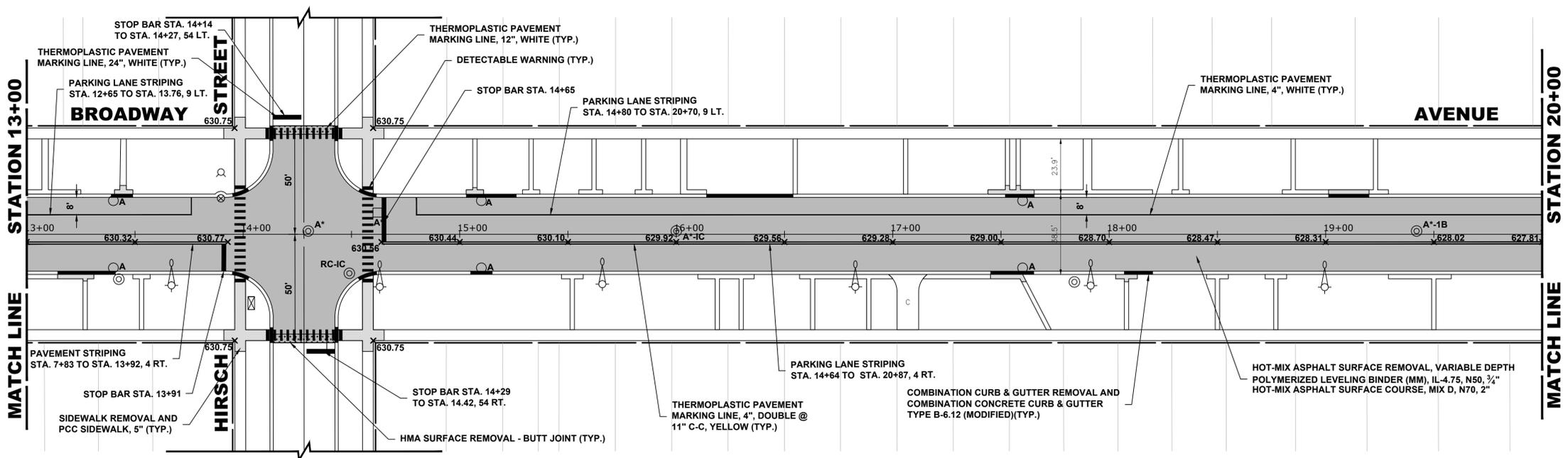
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING/ PAVEMENT MARKING PLAN

SCALE: 1" = 30' SHEET NO. 1 OF 2 SHEETS STA. 0+00 TO STA. 13+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	12
CONTRACT NO. 61F93				
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

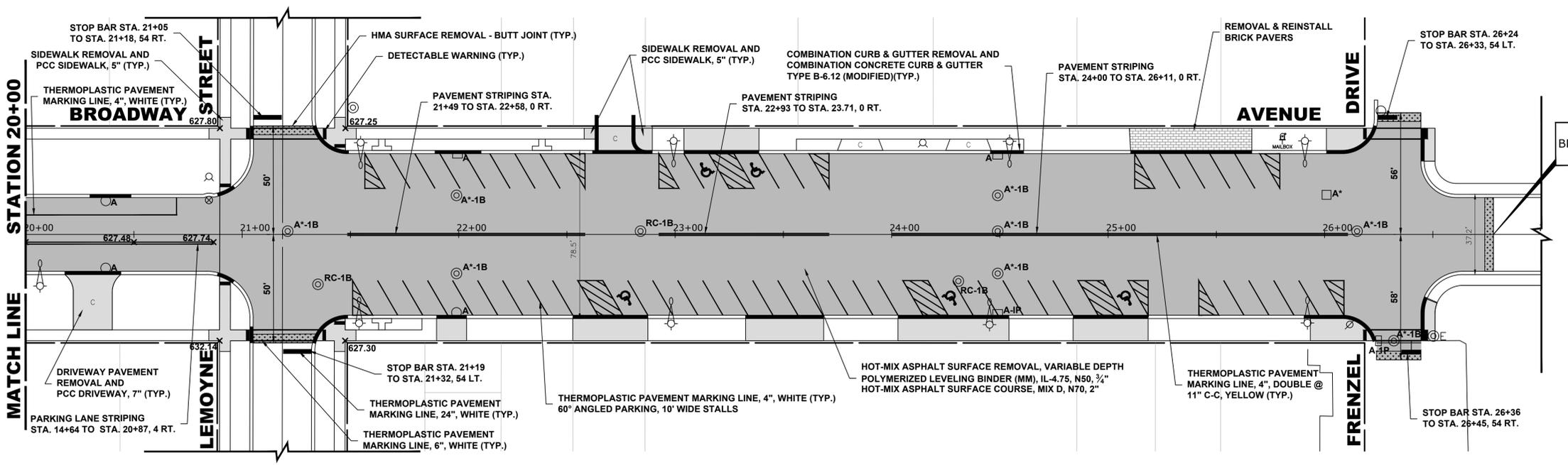
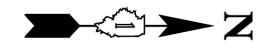
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PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+	PROPOSED HOT-MIX ASPHALT BUTT JOINT
▤	REMOVE AND REINSTALL BRICK PAVER
▥	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
▦	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
⊕	EXISTING FIRE HYDRANT
⊗	EXISTING WATER VALVE BOX
□	EXISTING WATER MAIN VALVE VAULT
□	EXISTING STORM SEWER INLET
○	EXISTING STORM SEWER CATCH BASIN
●	PROPOSED STORM SEWER CATCH BASIN
⊙	EXISTING SEWER MANHOLE
⊚	EXISTING STREET LIGHT POLE
⊛	EXISTING POWER POLE
⊜	EXISTING HANDHOLE
—	EXISTING CURB AND GUTTER
—	PROPOSED CONCRETE CURB, TYPE B
—	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
—	EXISTING STORM SEWER
—	EXISTING COMBINED SEWER
—	EXISTING WATER MAIN



PROPOSED IMPROVEMENTS

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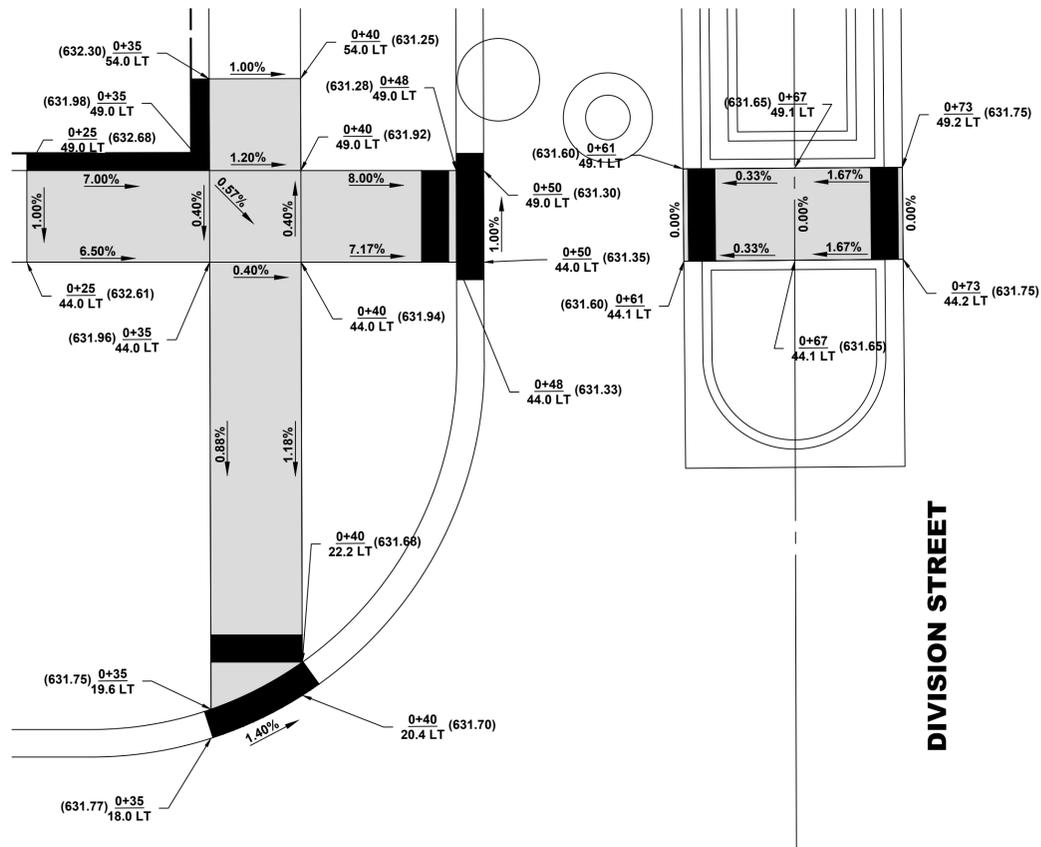
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DRAWN	TG, SFB, DMM	REVISED	-
CHECKED	-	REVISED	-
DATE	5-13-19	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

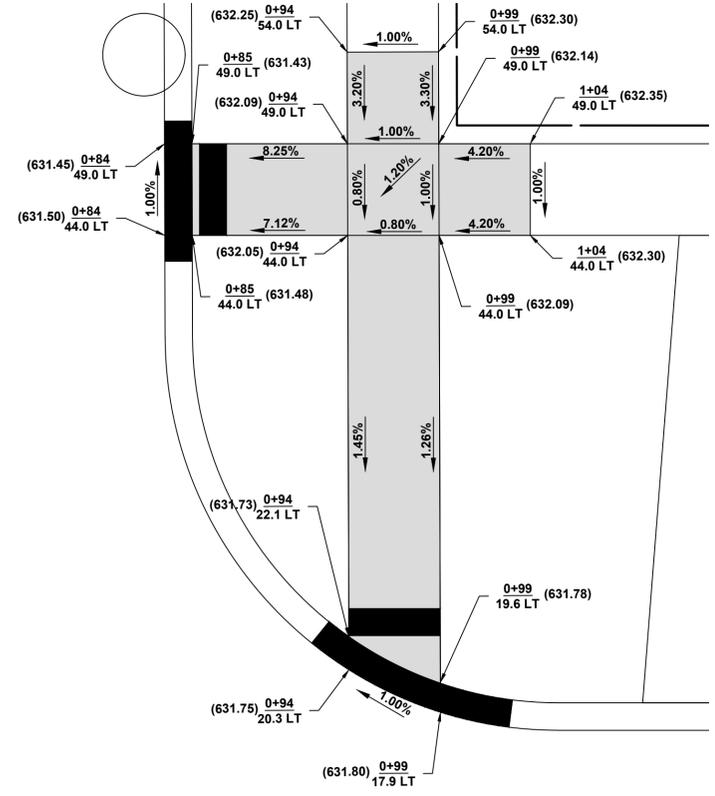
RESURFACING/ PAVEMENT MARKING PLAN
SCALE: 1" = 30'
SHEET NO. 2 OF 2 SHEETS
STA. 13+00 TO STA. 27+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	13
CONTRACT NO. 61F93				
FED. ROAD DIST. NO. 1 ILLINOIS				FED. AID PROJECT

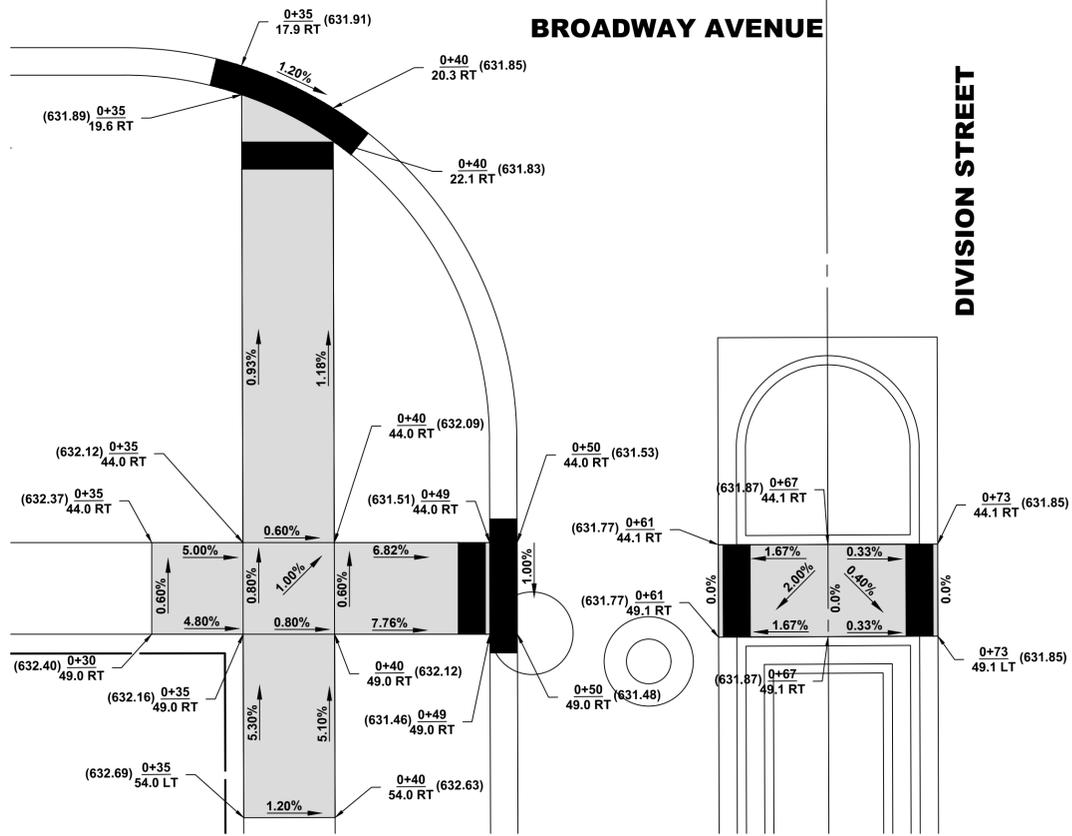
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DIVISION STREET

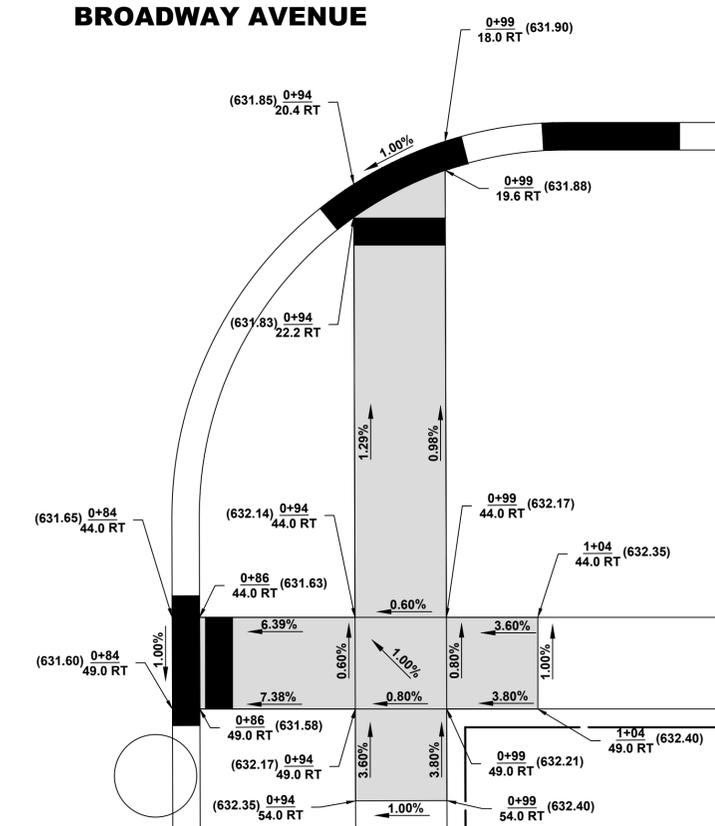


BROADWAY AVENUE



BROADWAY AVENUE

DIVISION STREET



LEGEND OF SYMBOLS
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+	PROPOSED HOT-MIX ASPHALT BUTT JOINT
[Brick Pattern]	REMOVE AND REINSTALL BRICK PAVER
[Grey Fill]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Black Fill]	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
[Circle with X]	EXISTING FIRE HYDRANT
[Circle with X]	EXISTING WATER VALVE BOX
[Square]	EXISTING WATER MAIN VALVE VAULT
[Square]	EXISTING STORM SEWER INLET
[Circle]	EXISTING STORM SEWER CATCH BASIN
[Circle]	PROPOSED STORM SEWER CATCH BASIN
[Circle with Center Dot]	EXISTING SEWER MANHOLE
[Circle with Center Dot]	EXISTING STREET LIGHT POLE
[Circle with Center Dot]	EXISTING POWER POLE
[Square]	EXISTING HANDHOLE
[Line]	EXISTING CURB AND GUTTER
[Thick Line]	PROPOSED CONCRETE CURB, TYPE B
[Thick Line]	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
[Line]	EXISTING STORM SEWER
[Line]	EXISTING COMBINED SEWER
[Line]	EXISTING WATER MAIN

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DESIGNED - -	REVISED - -
DRAWN - TG, SFB, DMM	REVISED - -
CHECKED - -	REVISED - -
DATE - 5-13-19	REVISED - -

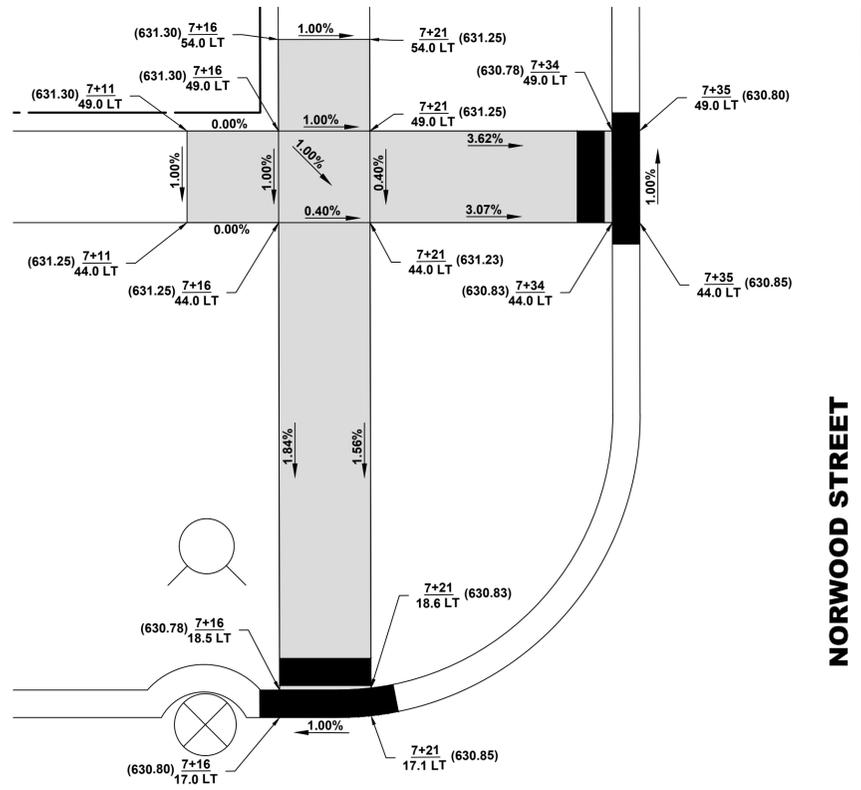
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK ADA RAMP DETAILS

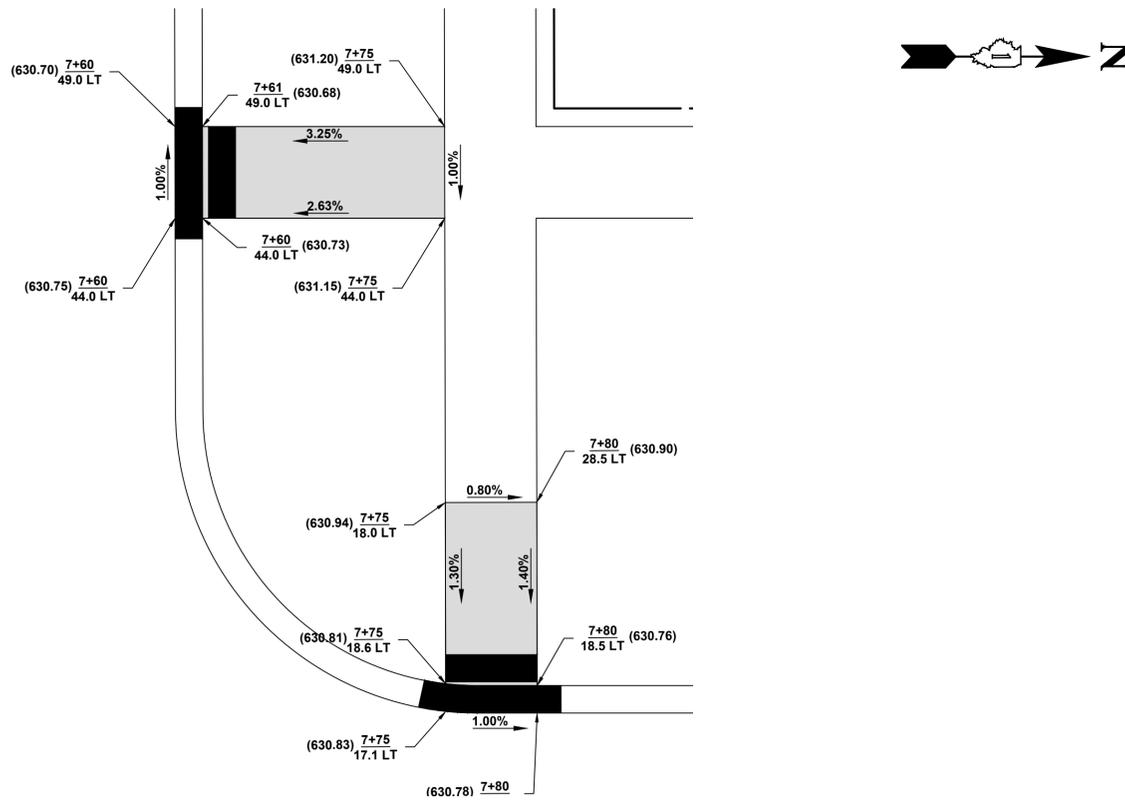
SCALE: 1" = 5'
SHEET NO. 1 OF 7 SHEETS
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	14
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	

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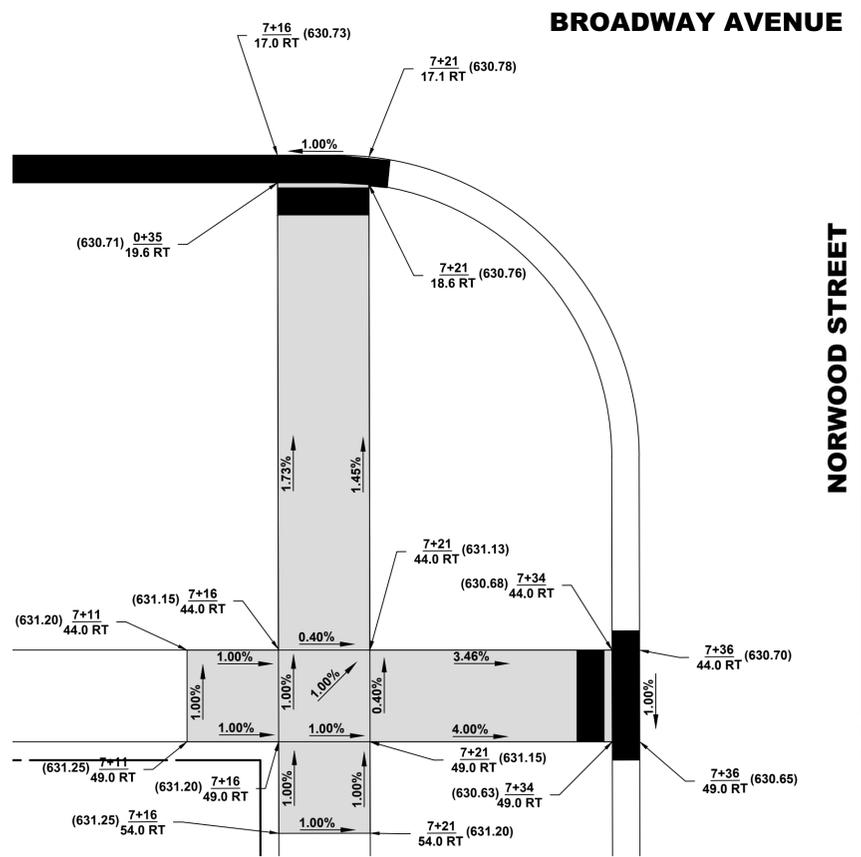
NORWOOD STREET



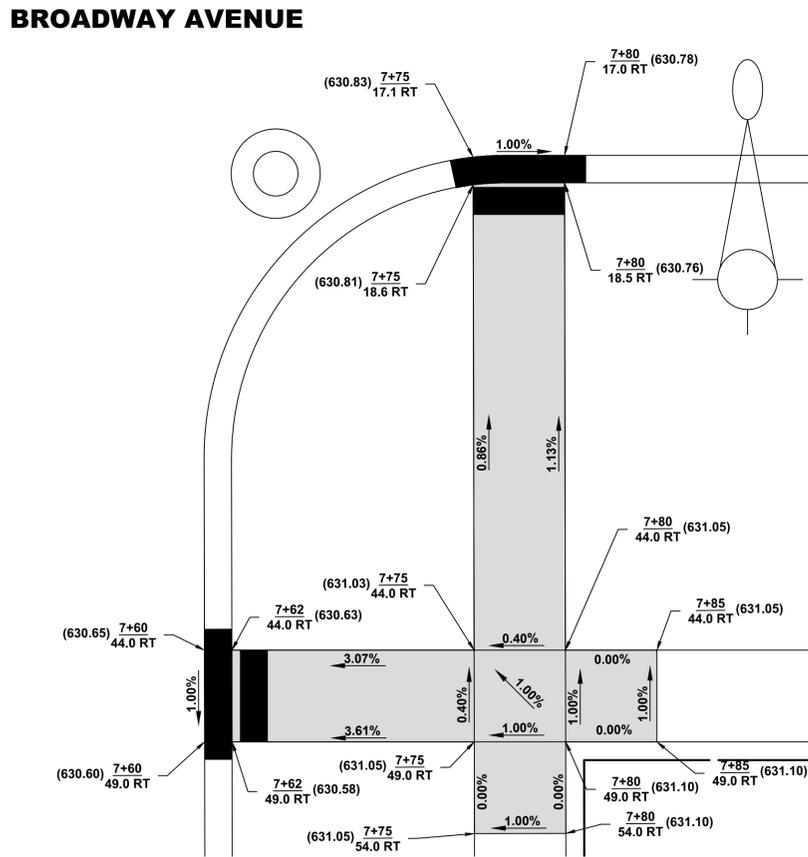
LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
	EXISTING HOT-MIX ASPHALT AREA
	EXISTING CONCRETE AREA
	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN



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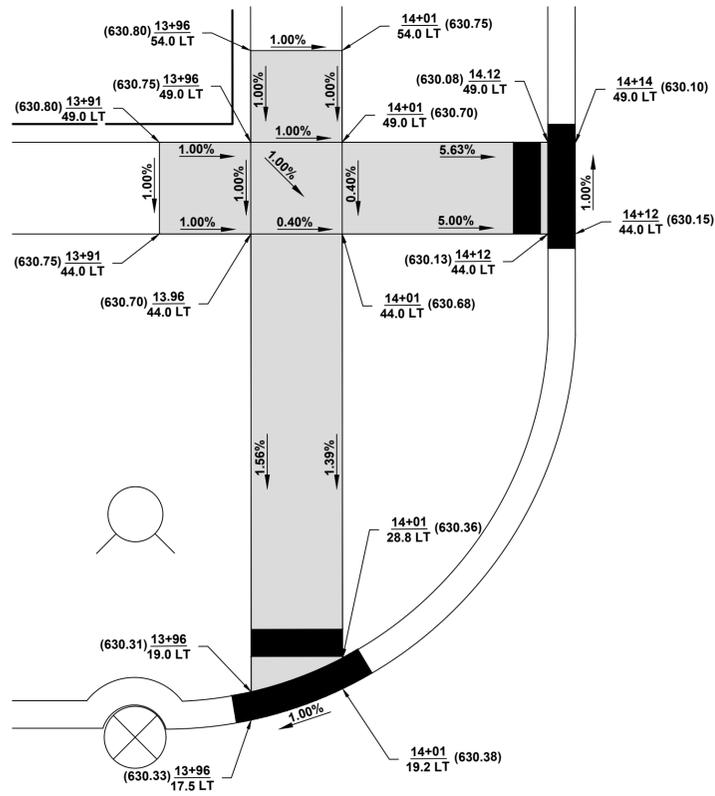
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CHECKED	-	REVISED	-
DATE	5-13-19	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK ADA RAMP DETAILS

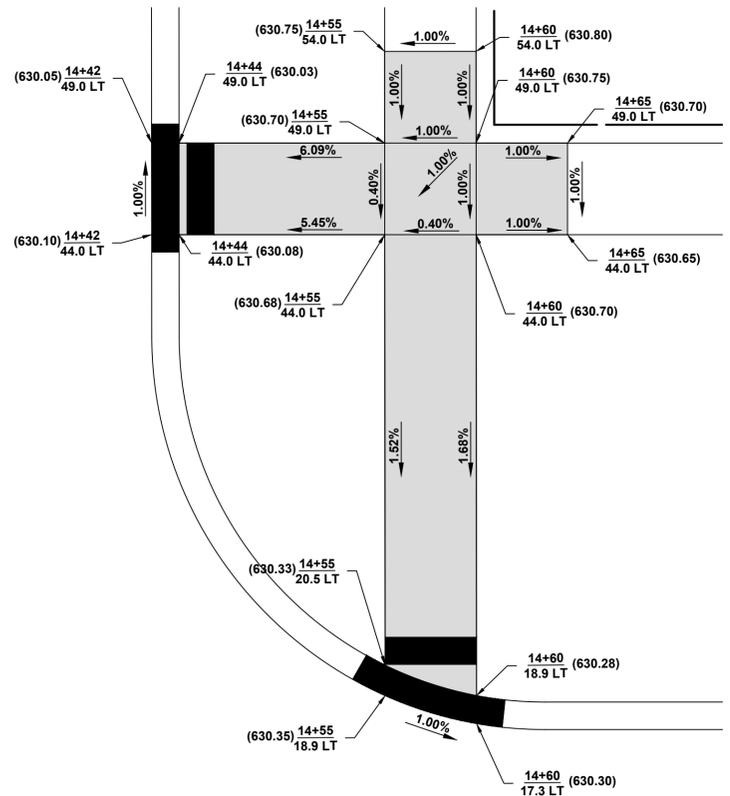
SCALE: 1" = 5' SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	



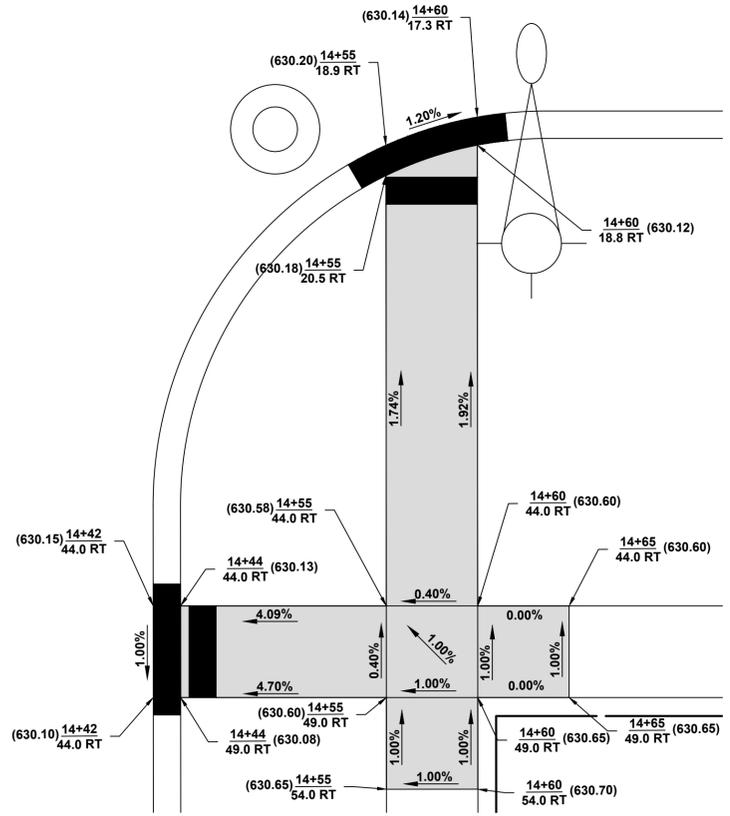
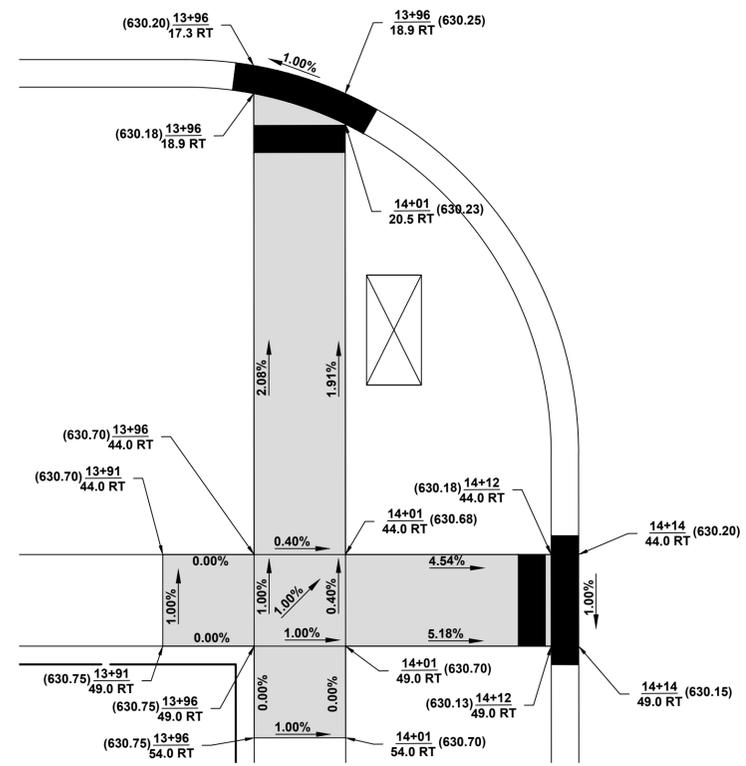
BROADWAY AVENUE

HIRSCH STREET



BROADWAY AVENUE

HIRSCH STREET



LEGEND OF SYMBOLS
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+	PROPOSED HOT-MIX ASPHALT BUTT JOINT
[Brick Pattern]	REMOVE AND REINSTALL BRICK PAVER
[Light Gray Fill]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Dark Gray Fill]	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
[Hydrant Symbol]	EXISTING FIRE HYDRANT
[Valve Box Symbol]	EXISTING WATER VALVE BOX
[Vault Symbol]	EXISTING WATER MAIN VALVE VAULT
[Inlet Symbol]	EXISTING STORM SEWER INLET
[Catch Basin Symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed Catch Basin Symbol]	PROPOSED STORM SEWER CATCH BASIN
[Manhole Symbol]	EXISTING SEWER MANHOLE
[Light Pole Symbol]	EXISTING STREET LIGHT POLE
[Power Pole Symbol]	EXISTING POWER POLE
[Handhole Symbol]	EXISTING HANDHOLE
[Curb and Gutter Symbol]	EXISTING CURB AND GUTTER
[Proposed Concrete Curb Symbol]	PROPOSED CONCRETE CURB, TYPE B
[Proposed Combination Curb Symbol]	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
[Storm Sewer Symbol]	EXISTING STORM SEWER
[Combined Sewer Symbol]	EXISTING COMBINED SEWER
[Water Main Symbol]	EXISTING WATER MAIN

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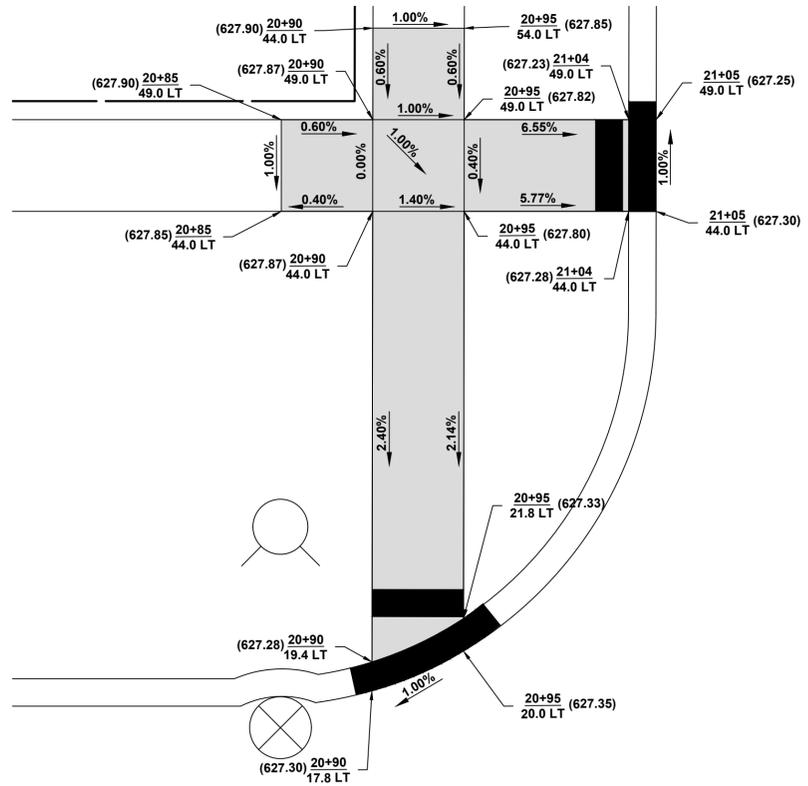
DESIGNED - -	REVISED - -
DRAWN - TG, SFB, DMM	REVISED - -
CHECKED - -	REVISED - -
DATE - 5-13-19	REVISED - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK ADA RAMP DETAILS
 SCALE: 1" = 5'
 SHEET NO. 3 OF 7 SHEETS
 STA. TO STA.

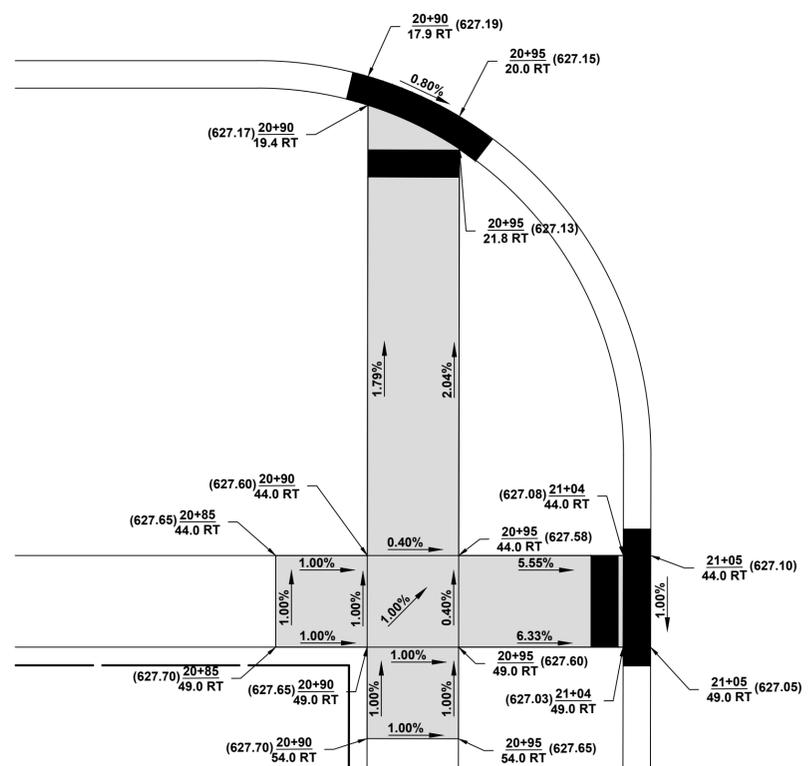
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	16
CONTRACT NO. 61F93			FED. ROAD DIST. NO. 1 ILLINOIS	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	

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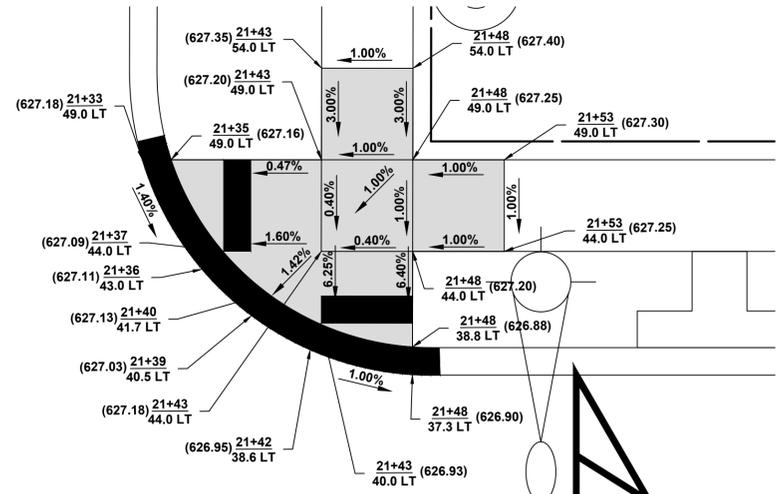


LEMOYNE STREET

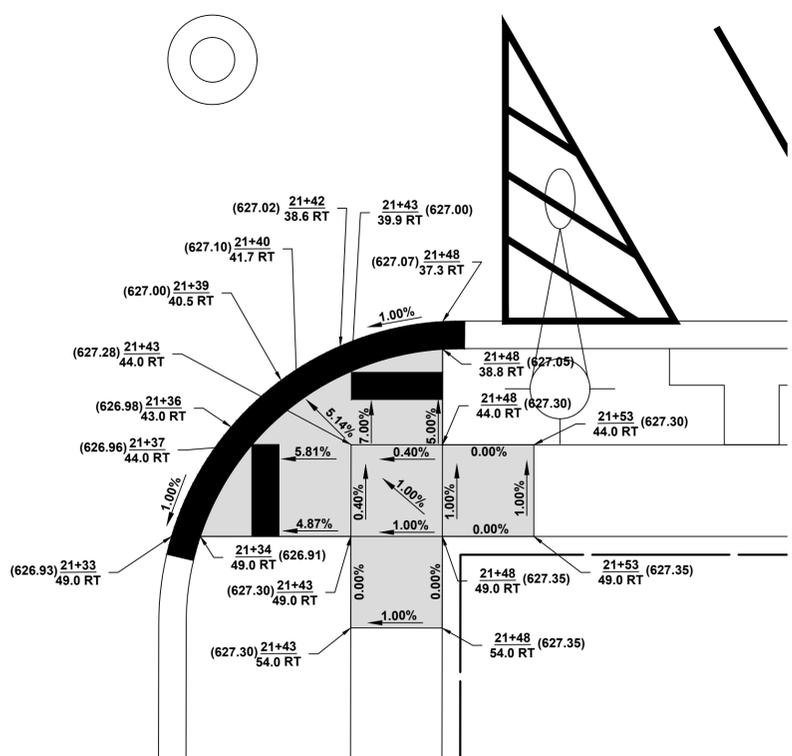
BROADWAY AVENUE



LEMOYNE STREET



BROADWAY AVENUE



LEGEND OF SYMBOLS
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
	EXISTING HOT-MIX ASPHALT AREA
	EXISTING CONCRETE AREA
	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN

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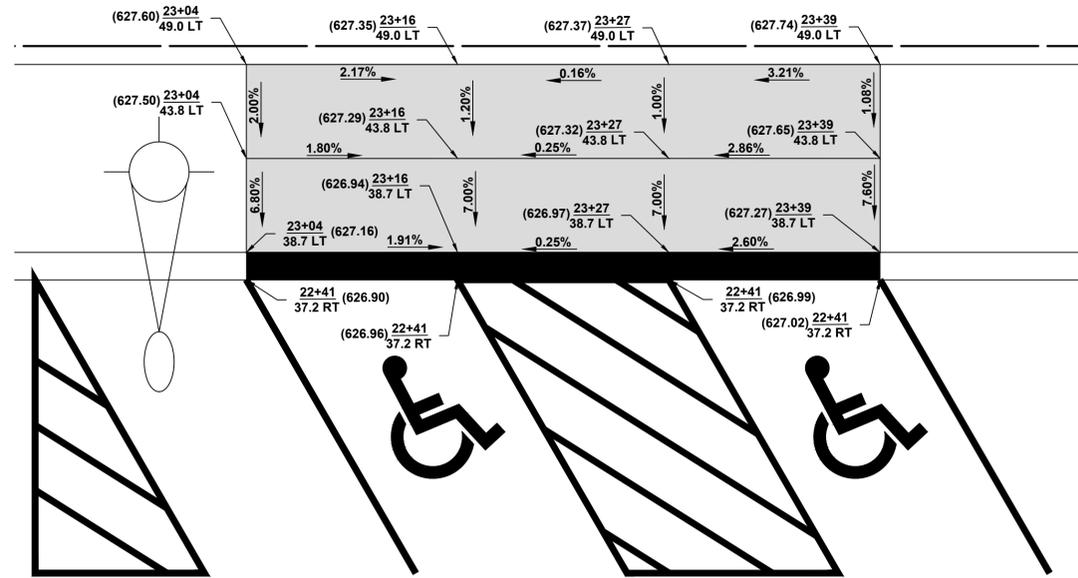
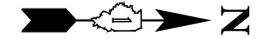
DESIGNED	- -	REVISED	- -
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CHECKED	- -	REVISED	- -
DATE	5-13-19	REVISED	- -

STATE OF ILLINOIS
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SIDEWALK ADA RAMP DETAILS
SCALE: 1" = 5'
SHEET NO. 4 OF 7 SHEETS
STA. TO STA.

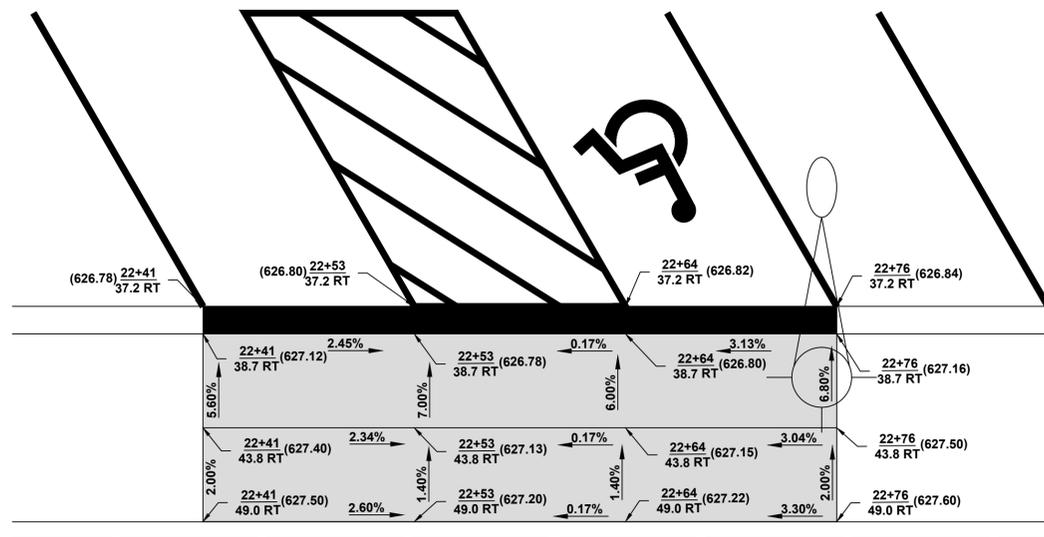
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	17
CONTRACT NO. 61F93			FED. ROAD DIST. NO. 1 ILLINOIS	
FED. AID PROJECT			FED. AID PROJECT	

E.H.E. PROJECT NO. 600-18-27901



BROADWAY AVENUE

BROADWAY AVENUE



LEGEND OF SYMBOLS
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 00001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+++	PROPOSED HOT-MIX ASPHALT BUTT JOINT
[Brick Pattern]	REMOVE AND REINSTALL BRICK PAVER
[Light Gray Box]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Dark Gray Box]	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
[Fire Hydrant Symbol]	EXISTING FIRE HYDRANT
[Water Valve Box Symbol]	EXISTING WATER VALVE BOX
[Water Main Valve Vault Symbol]	EXISTING WATER MAIN VALVE VAULT
[Storm Sewer Inlet Symbol]	EXISTING STORM SEWER INLET
[Storm Sewer Catch Basin Symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed Storm Sewer Catch Basin Symbol]	PROPOSED STORM SEWER CATCH BASIN
[Sewer Manhole Symbol]	EXISTING SEWER MANHOLE
[Street Light Pole Symbol]	EXISTING STREET LIGHT POLE
[Power Pole Symbol]	EXISTING POWER POLE
[Handhole Symbol]	EXISTING HANDHOLE
[Existing Curb and Gutter Symbol]	EXISTING CURB AND GUTTER
[Proposed Concrete Curb Symbol]	PROPOSED CONCRETE CURB, TYPE B
[Proposed Combination Concrete Curb and Gutter Symbol]	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
[Existing Storm Sewer Symbol]	EXISTING STORM SEWER
[Existing Combined Sewer Symbol]	EXISTING COMBINED SEWER
[Existing Water Main Symbol]	EXISTING WATER MAIN

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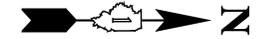
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DATE	- 5-13-19	REVISED	- -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

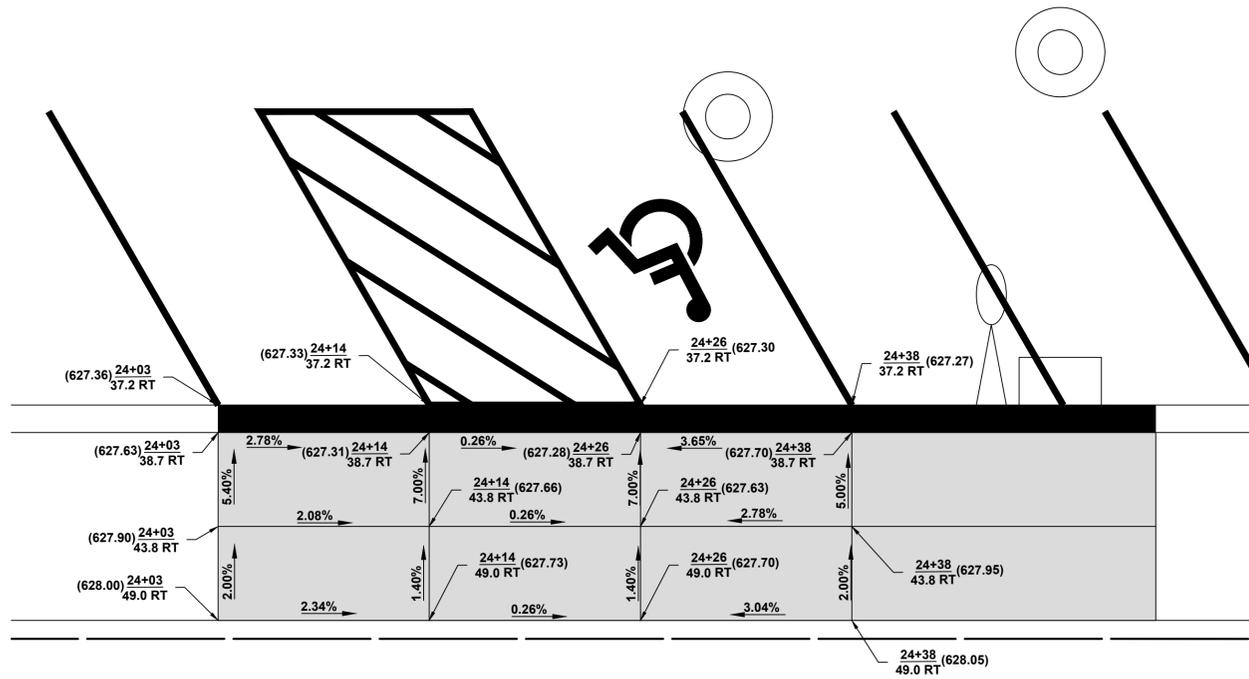
SIDEWALK ADA RAMP DETAILS

SCALE: 1" = 5' SHEET NO. 5 OF 7 SHEETS STA. TO STA.

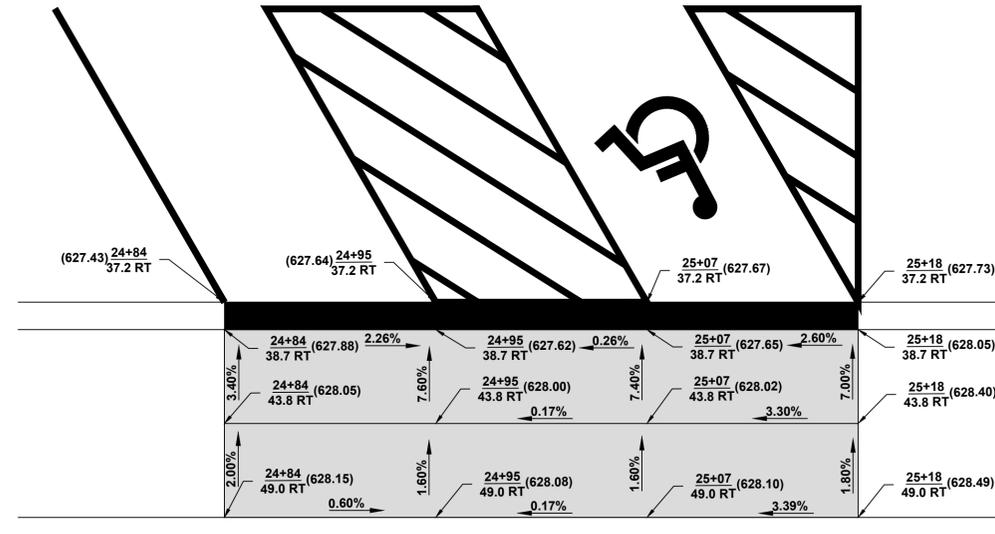
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2406	19-00141-00-RS	COOK	29	18
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	



BROADWAY AVENUE



BROADWAY AVENUE



LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+	PROPOSED HOT-MIX ASPHALT BUTT JOINT
[Brick Pattern]	REMOVE AND REINSTALL BRICK PAVER
[Light Gray Box]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Dark Gray Box]	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
[Fire Hydrant Symbol]	EXISTING FIRE HYDRANT
[Water Valve Box Symbol]	EXISTING WATER VALVE BOX
[Water Main Valve Vault Symbol]	EXISTING WATER MAIN VALVE VAULT
[Storm Sewer Inlet Symbol]	EXISTING STORM SEWER INLET
[Storm Sewer Catch Basin Symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed Storm Sewer Catch Basin Symbol]	PROPOSED STORM SEWER CATCH BASIN
[Sewer Manhole Symbol]	EXISTING SEWER MANHOLE
[Street Light Pole Symbol]	EXISTING STREET LIGHT POLE
[Power Pole Symbol]	EXISTING POWER POLE
[Handhole Symbol]	EXISTING HANDHOLE
[Curb and Gutter Symbol]	EXISTING CURB AND GUTTER
[Proposed Concrete Curb Symbol]	PROPOSED CONCRETE CURB, TYPE B
[Proposed Combination Concrete Curb Symbol]	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
[Storm Sewer Symbol]	EXISTING STORM SEWER
[Combined Sewer Symbol]	EXISTING COMBINED SEWER
[Water Main Symbol]	EXISTING WATER MAIN

Drawing file: W:\Projects_by_Village\Melrose Park\60018279 - Broadway Ave Resurfacing\SITE\Broadway Ave -ADA.dwg Jun 12, 2019 - 7:49am



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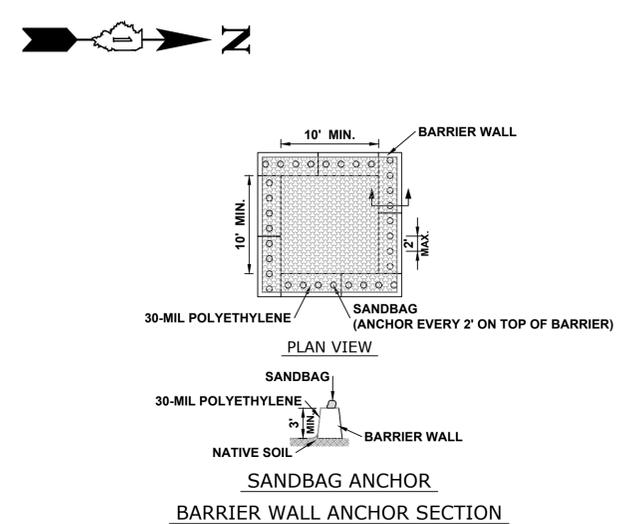
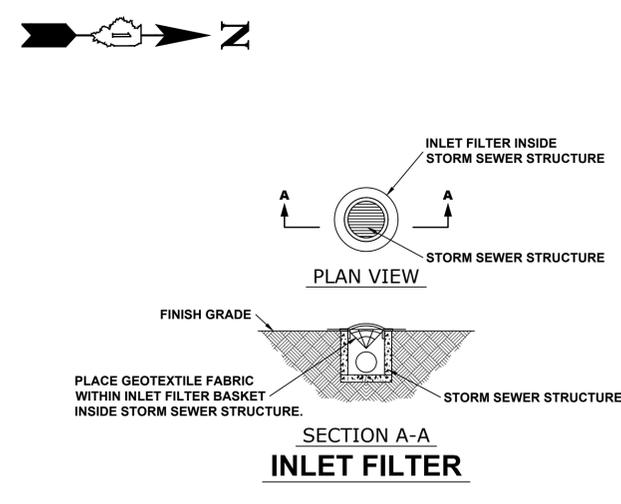
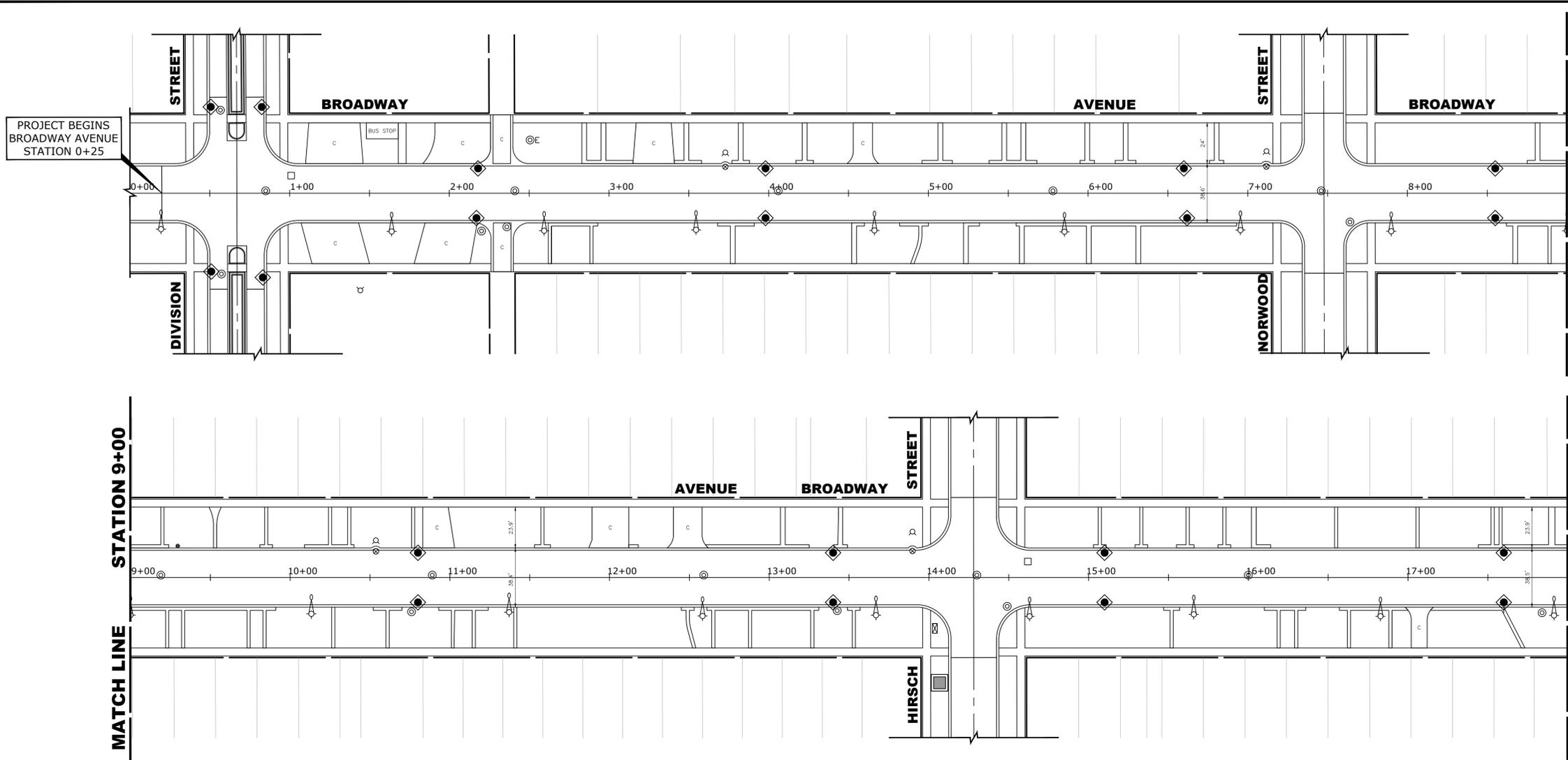
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CHECKED	- -	REVISED	- -
DATE	- 5-13-19	REVISED	- -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK ADA RAMP DETAILS

SCALE: 1" = 5' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	19
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61F93	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-18-27901	



EROSION AND SEDIMENT CONTROL PLAN

THE EXISTING LAND COVER CONSISTS OF PAVED STREETS WITH MINOR GRASS PARKWAYS LOCATED IN A RESIDENTIAL AREA. THE AREAS ADJACENT TO THE PROJECT SITE ARE COMPRISED OF DENSE RESIDENTIAL PROPERTIES. FLOOD PROTECTION AREAS AND POINTS OF DISCHARGE TO JURISDICTIONAL WATERS OF THE U.S. DO NOT EXIST ON THIS PROJECT. WE DO NOT BELIEVE THERE ARE ANY AREAS SUSCEPTIBLE TO EROSION OR SEDIMENTATION DUE TO THESE IMPROVEMENTS. SOIL DATA IS NOT AVAILABLE BUT, PAST PROJECTS IN THE SUBJECT VILLAGE CONCLUDE THAT THE EXISTING SOIL CONSISTS OF CLAY WITH SOME MINOR SILT AND TRACES OF SAND.

PRIOR TO ANY SOIL/PAVEMENT DISTURBANCE, INLET FILTER ASSEMBLIES SHALL BE INSTALLED AS SHOWN ON PLANS.

THE INLET FILTER, PRIMARY PURPOSE IS TO TRAP SEDIMENT, REQUIRED FOR THIS PROJECT WILL BE A DROP IN INLET PROTECTION DEVICE SIMILAR TO FLEXSTORM INLET FILTERS. INLET FILTERS OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

THE INLET FILTER ASSEMBLY SHALL BE APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO ORDERING AND INSTALLATION. THE INLET FILTER SHALL BE INSPECTED WEEKLY AND AFTER A 0.5 INCH RAIN EVENT BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED INLET FILTER WILL BE PER MANUFACTURE RECOMMENDATIONS AND WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE INSPECTION AFTER A RUNOFF EVENT, SEDIMENT REMOVAL AT 50% CAPACITY, AND

REPAIRS/REPLACEMENT AS NEEDED.

PRIOR TO ANY PORTLAND CEMENT CONCRETE (PCC) POUR, CONCRETE WASHOUT BOXES SHALL BE INSTALLED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

CONCRETE WASHOUT BOXES, PRIMARY PURPOSE IS TO CONTAIN CONCRETE LIQUIDS AND PREVENT CONCRETE LIQUID RUNOFF FROM ENTERING SEWERS OR WATERWAYS, REQUIRED FOR THIS PROJECT WILL CONSIST OF A BARRIER WALL LINED WITH 30-MIL POLYETHYLENE OR AN ENGINEER APPROVED EQUAL WASHOUT. CONCRETE WASHOUT BOXES OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

THE PLAN FOR THE CONCRETE WASHOUT BOX SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO INSTALLATION AND WILL BE INSPECTED AFTER INSTALLATION. THE WASHOUT BOX SHALL BE INSPECTED PRIOR TO A CONCRETE POUR AND AFTER A CONCRETE POUR BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE REPLACING DAMAGED LINER, DISPOSING OF SOLIDIFIED CONCRETE WASHOUT, AND REMOVAL OF ANY DISCHARGES WITHIN 24 HOURS.

ALL DISPOSAL OF CONSTRUCTION MATERIAL, AND SOLIDIFIED CONCRETE SHALL BE AT A CCDD (CLEAN CONSTRUCTION AND DEMOLITION DEBRIS) FACILITY

NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. INLET FILTERS SHALL BE PAID FOR UNDER THE PAY ITEM FOR MAINTENANCE OF ROADWAYS. THE COST OF THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
6. INLET FILTER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED. FILTERS WILL BE INSPECTED WEEKLY AND THE CONTRACTOR WILL BE NOTIFIED OF ANY CORRECTIVE MEASURES THAT WILL BE REQUIRED TO BE MADE BY THE CONTRACTOR.

NOTES

1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

CONCRETE WASHOUT

LEGEND

SYMBOL	DESCRIPTION
	INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	CONCRETE WASHOUT

CONSTRUCTION SEQUENCE :

1. INSTALL EROSION CONTROL MEASURES
2. COMPLETE ALL UNDERGROUND WORK
3. PAVEMENT PATCHING
4. RESURFACE PAVEMENTS
5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
6. REMOVE EROSION CONTROL MEASURES

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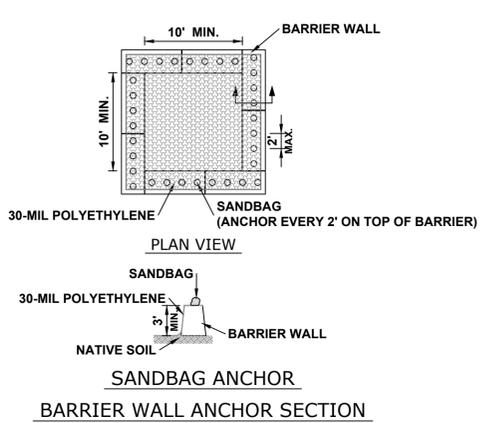
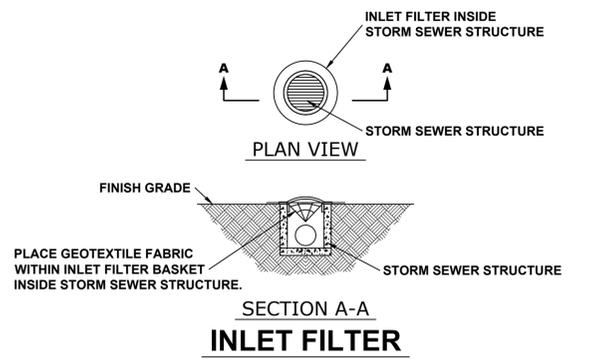
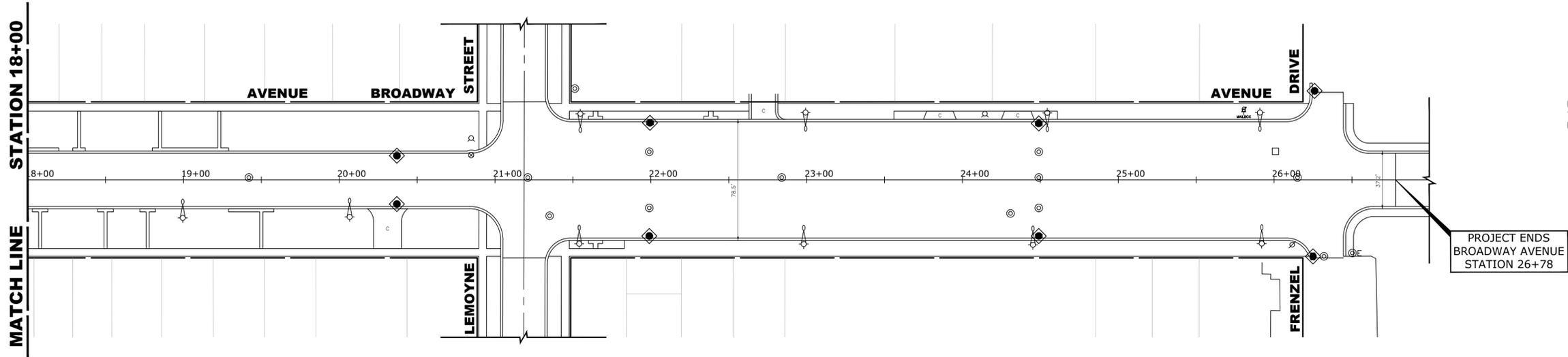
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CHECKED	- -	REVISED	- -
DATE	- 5-13-19	REVISED	- -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 40'
 SHEET NO. 1 OF 2 SHEETS
 STA. 0+00 TO STA. 18+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	21
CONTRACT NO. 61F93			FED. AID PROJECT	

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EROSION AND SEDIMENT CONTROL PLAN

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CONCRETE WASHOUT

LEGEND

SYMBOL	DESCRIPTION
	INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
	CONCRETE WASHOUT

CONSTRUCTION SEQUENCE :

1. INSTALL EROSION CONTROL MEASURES
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5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
6. REMOVE EROSION CONTROL MEASURES

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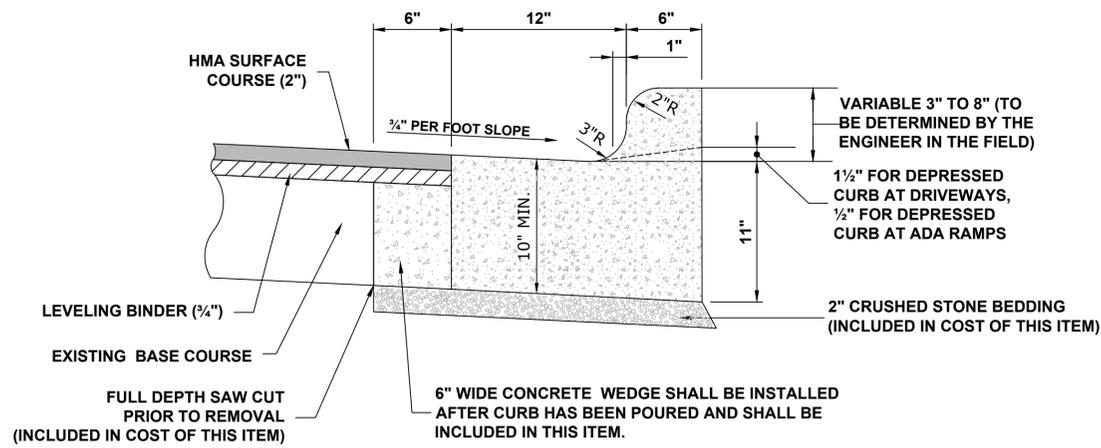
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DATE	- 5-13-19	REVISED	- -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

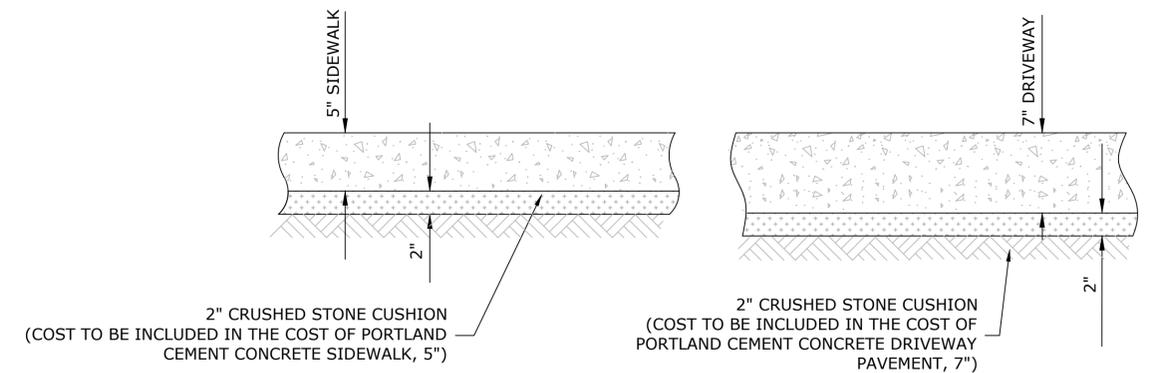
EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1" = 40'
 SHEET NO. 2 OF 2 SHEETS
 STA. 18+00 TO STA. 27+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	22
CONTRACT NO. 61F93			FED. AID PROJECT	

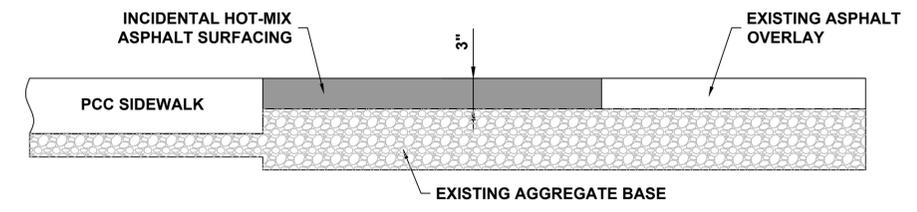
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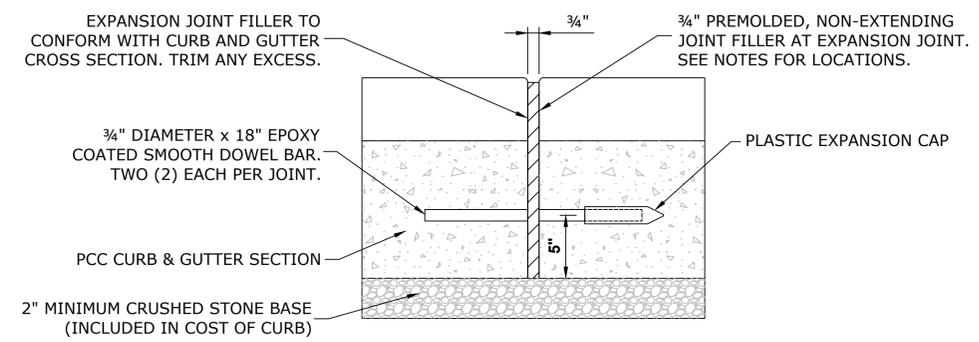
COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)



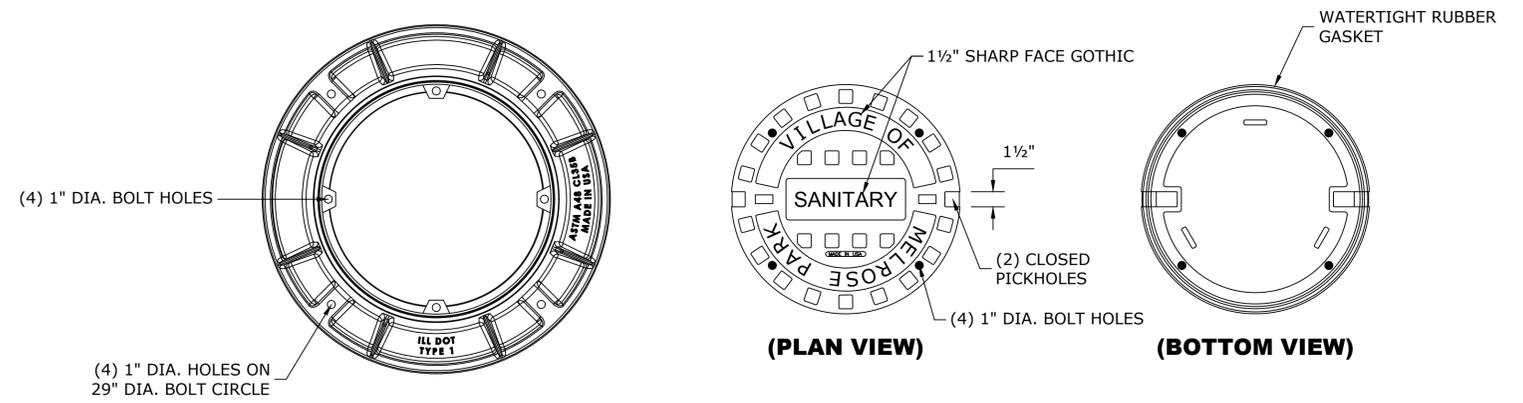
TYPICAL P.C.C. SIDEWALK & DRIVEWAY



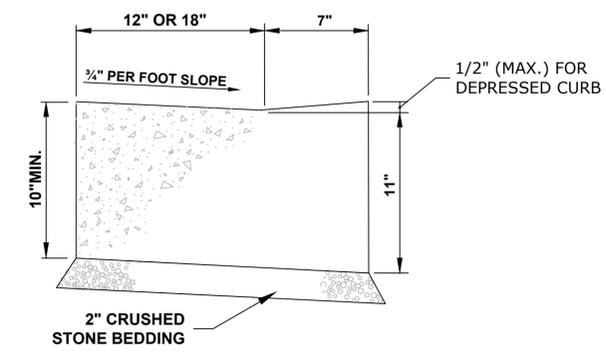
INCIDENTAL HOT-MIX ASPHALT SURFACE



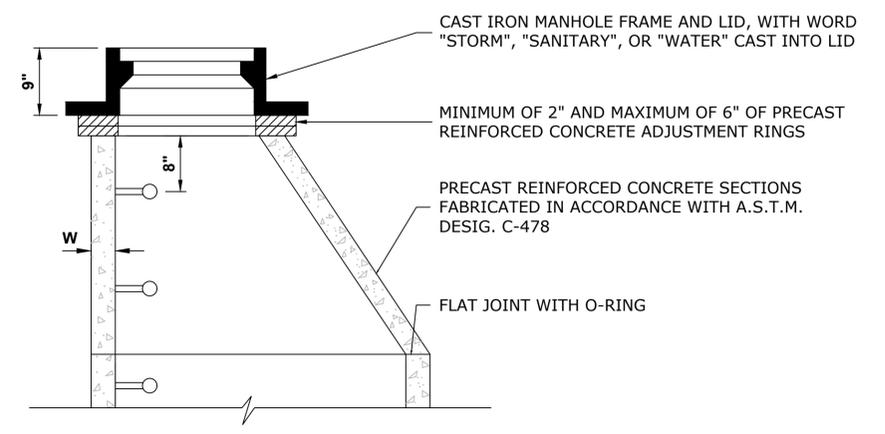
TYPICAL CURB AND GUTTER EXPANSION JOINT



WATERTIGHT BOLT DOWN FRAME AND LID



CURB AND GUTTER AT A.D.A. RAMPS



STRUCTURE RECONSTRUCTION

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DRAWN	TG, SFB, DMM	REVISED	-
CHECKED	-	REVISED	-
DATE	5-13-19	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

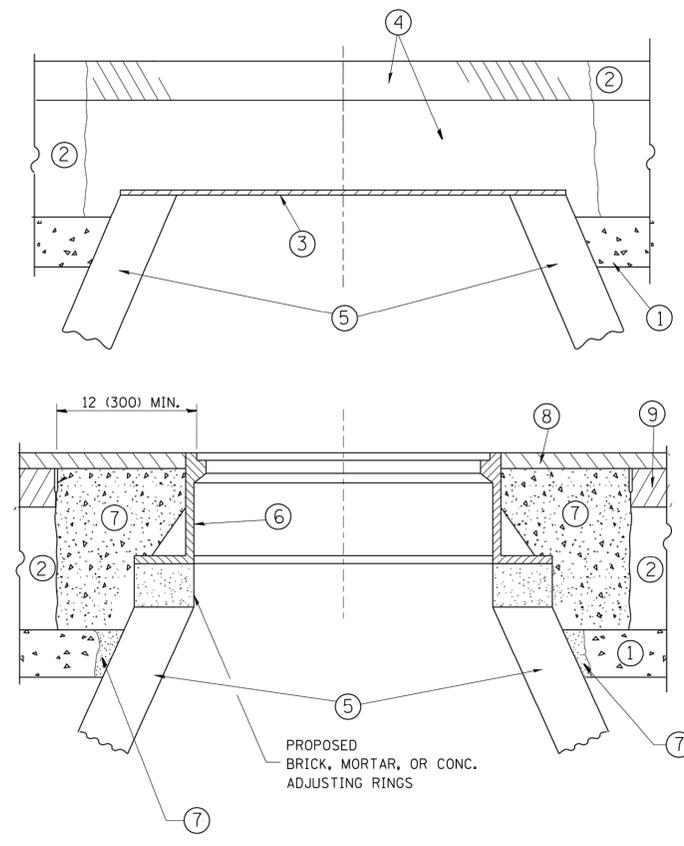
JOB SPECIFIC MELROSE PARK DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	23
CONTRACT NO.			61F93	
FED. ROAD DIST. NO.			1 ILLINOIS	
FED. AID PROJECT				

E.H.E. PROJECT NO. 600-18-27901

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 May 13, 2019 - 11:46am



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.

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

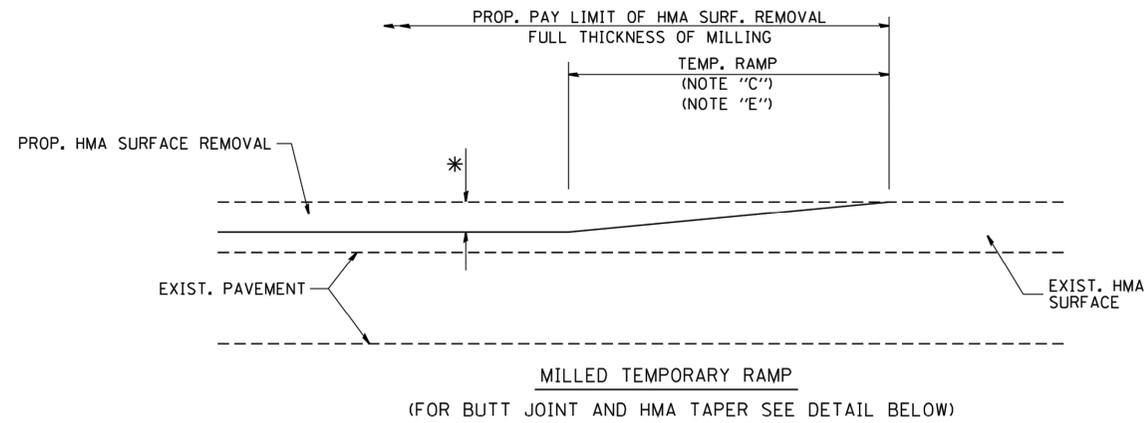
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

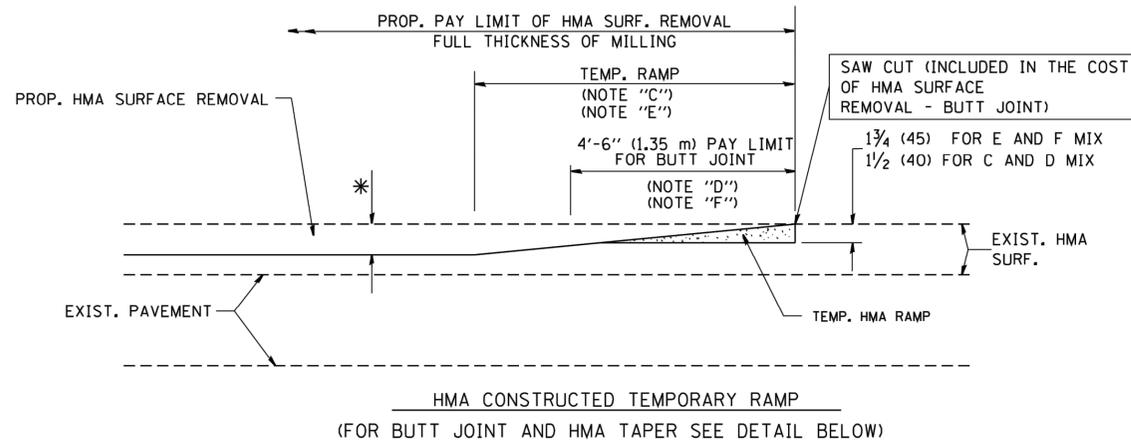
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED - R. BORO 03-09-11			BD600-03 (BD-8)		CONTRACT NO. 61F93		
		DATE - 10-25-94	REVISED - R. BORO 12-06-11			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT

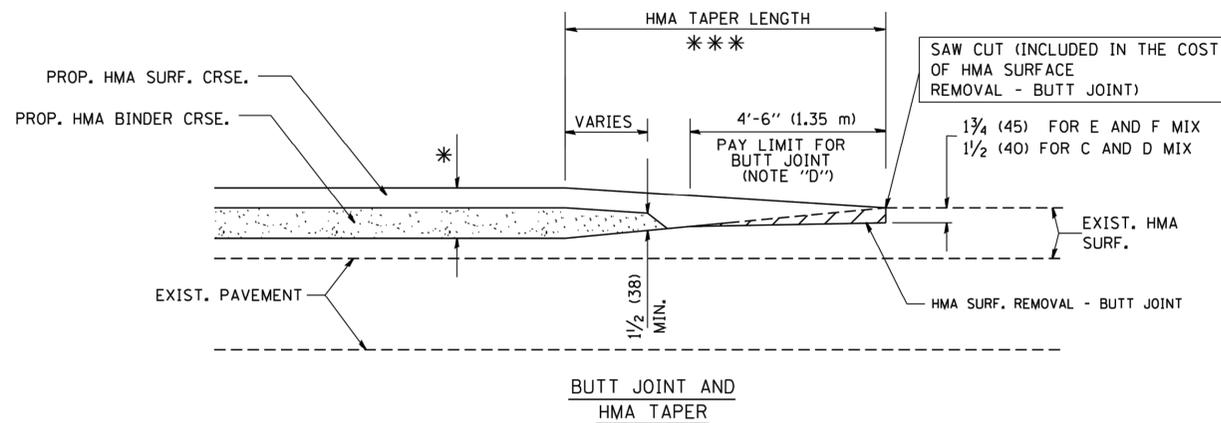
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 May 13, 2019 - 11:46am



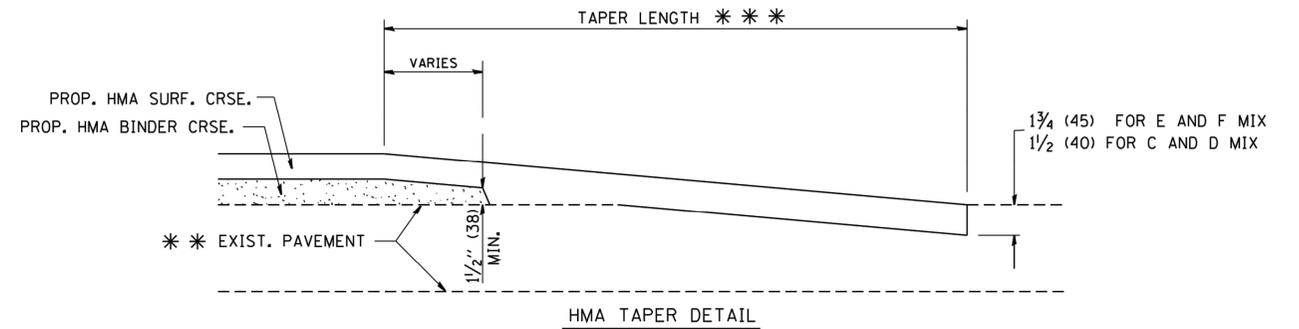
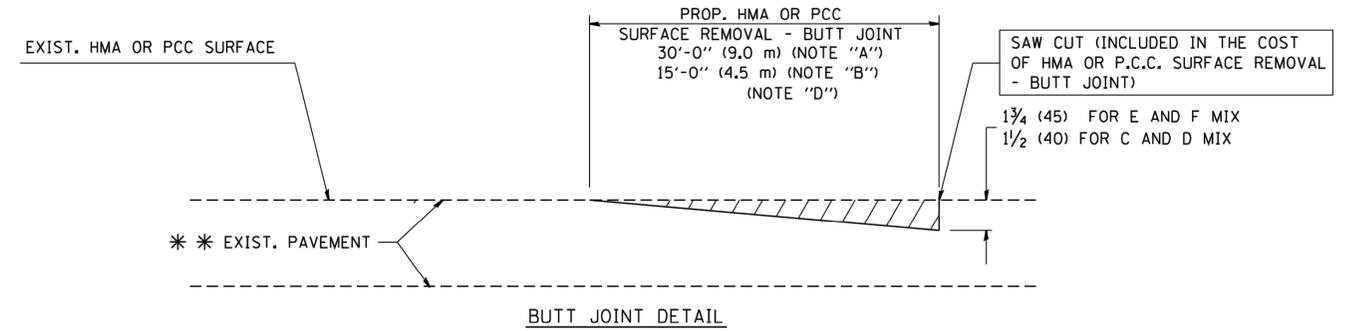
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

* * * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME =
W:\diststd\22x34\bd32.dgn

USER NAME = gaglianobt
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
 DRAWN -
 CHECKED -
 DATE - 06-13-90

REVISED - R. SHAH 10-25-94
 REVISED - A. ABBAS 03-21-97
 REVISED - M. GOMEZ 04-06-01
 REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

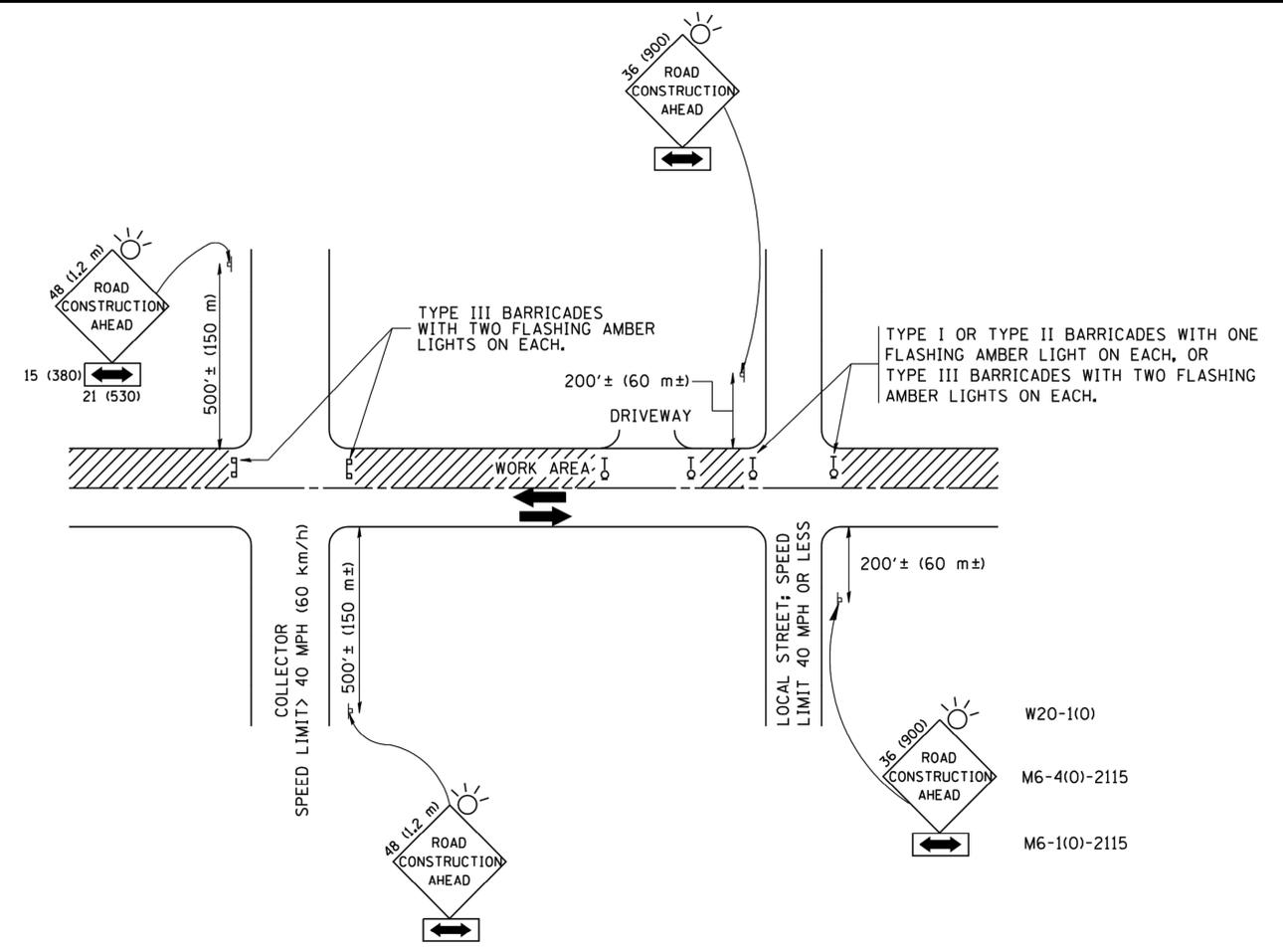
**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	25
BD400-05 BD32			CONTRACT NO. 61F93	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 600-18-27901

Drawing file: W:\Projects_by_Village\Meinrose Park\60018279 - Broadway Ave. Resurfacing\DOT_Standard.dwg
 May 13, 2019 - 11:47am



W20-1(0)
 M6-4(0)-2115
 M6-1(0)-2115

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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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

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

FILE NAME = W:\diststd\22x34\tcl0.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

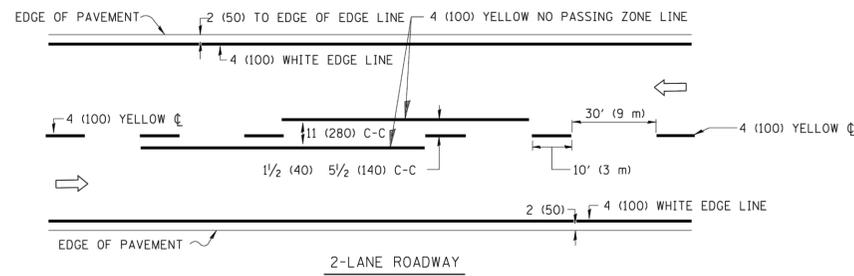
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

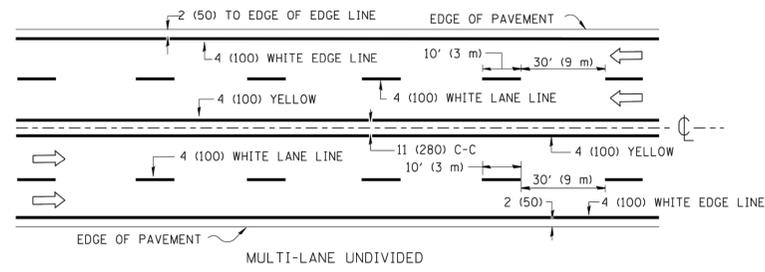
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61F93	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

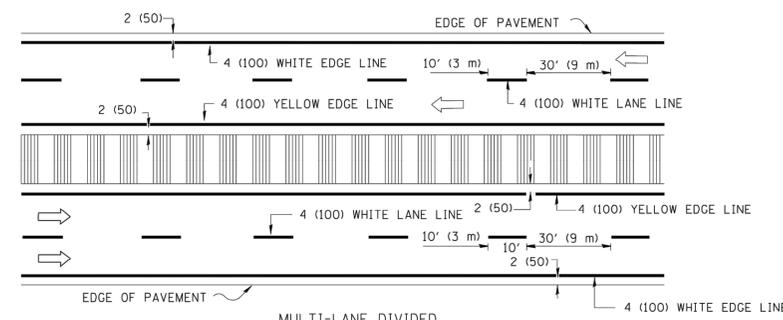
E.H.E. PROJECT NO. 600-18-27901



2-LANE ROADWAY



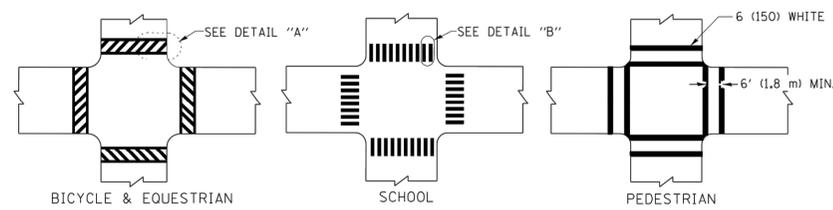
MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MOUNTABLE MEDIUM

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

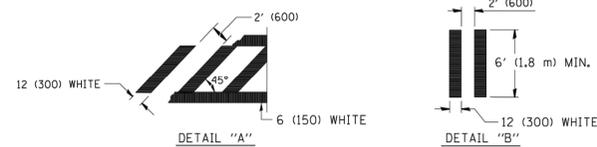
TYPICAL LANE AND EDGE LINE MARKING



BICYCLE & EQUESTRIAN

SCHOOL

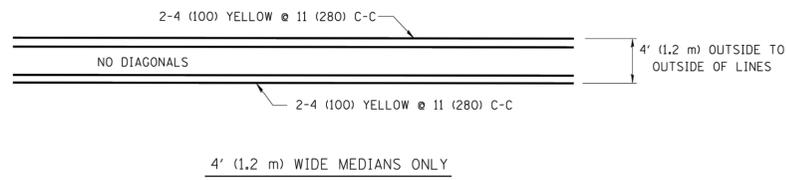
PEDESTRIAN



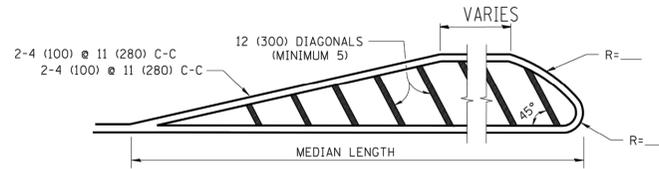
DETAIL "A"

DETAIL "B"

TYPICAL CROSSWALK MARKING



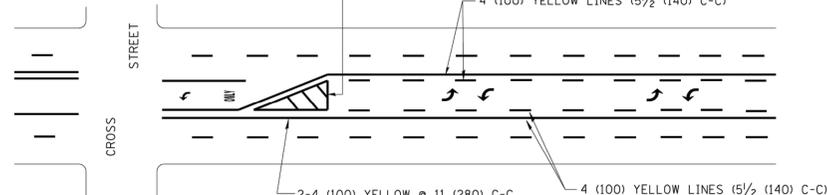
4' (1.2 m) WIDE MEDIANS ONLY



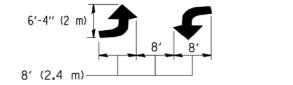
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

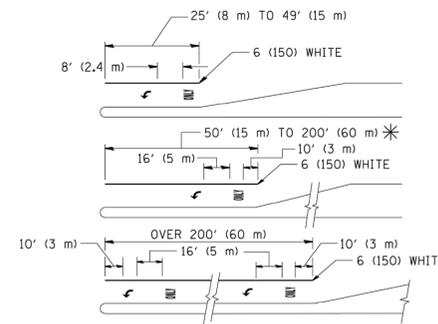


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

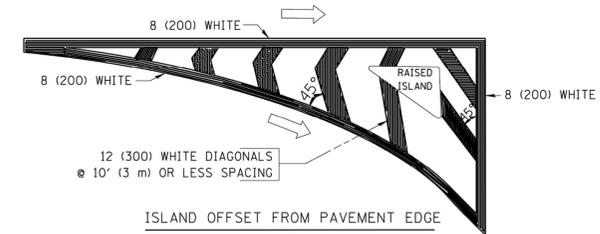


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

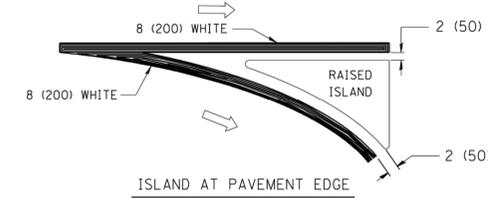
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

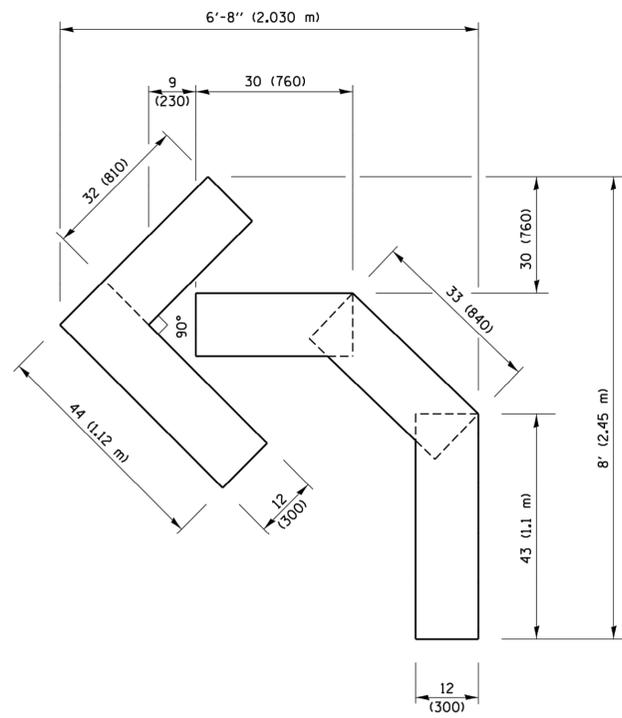
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

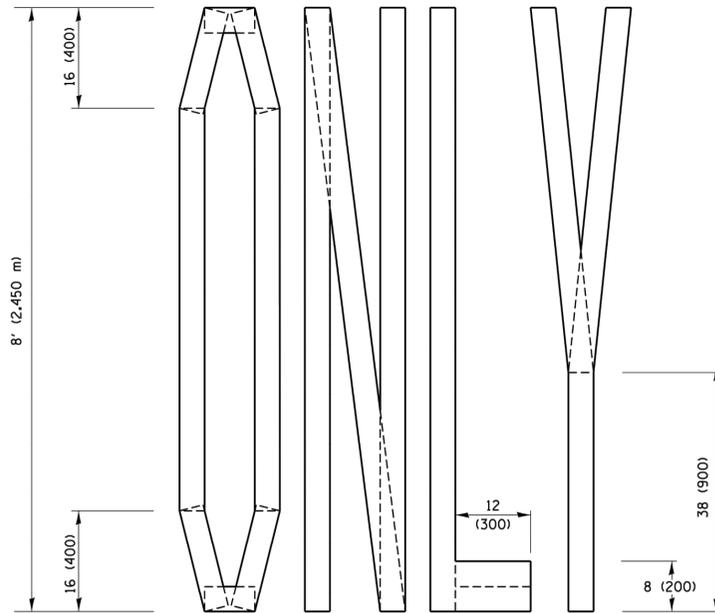
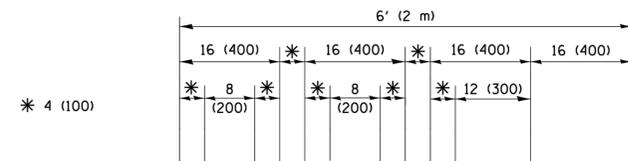
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE. 2406	SECTION 19-00141-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 27
			TC-13		CONTRACT NO. 61F93		
			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



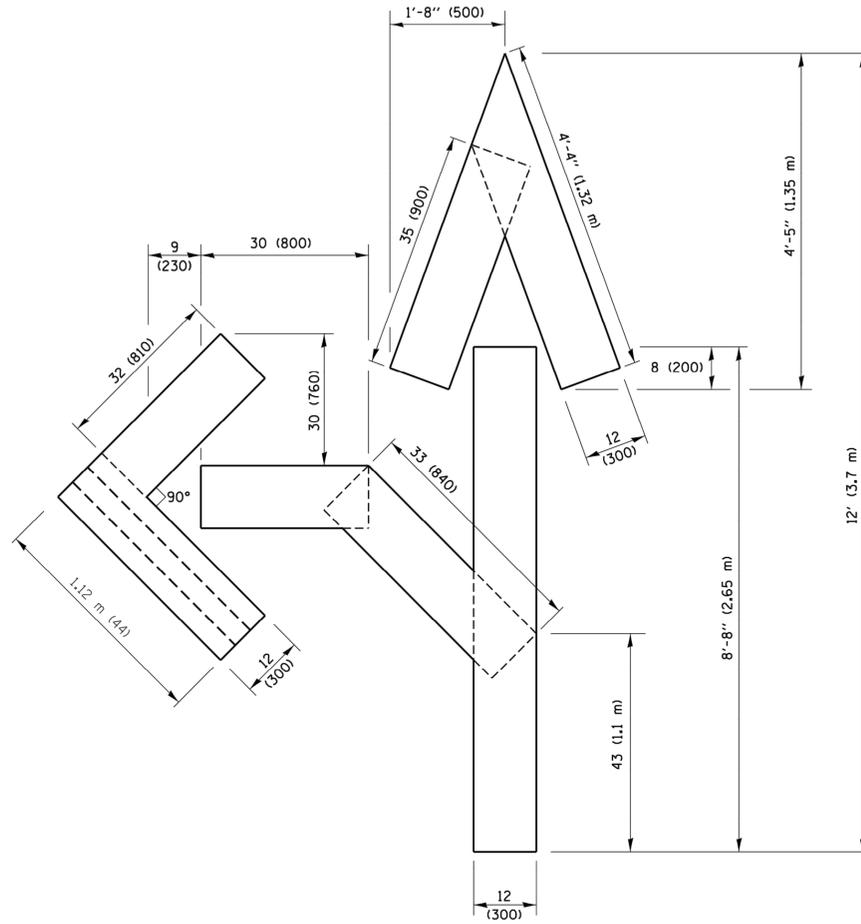
QUANTITY

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)

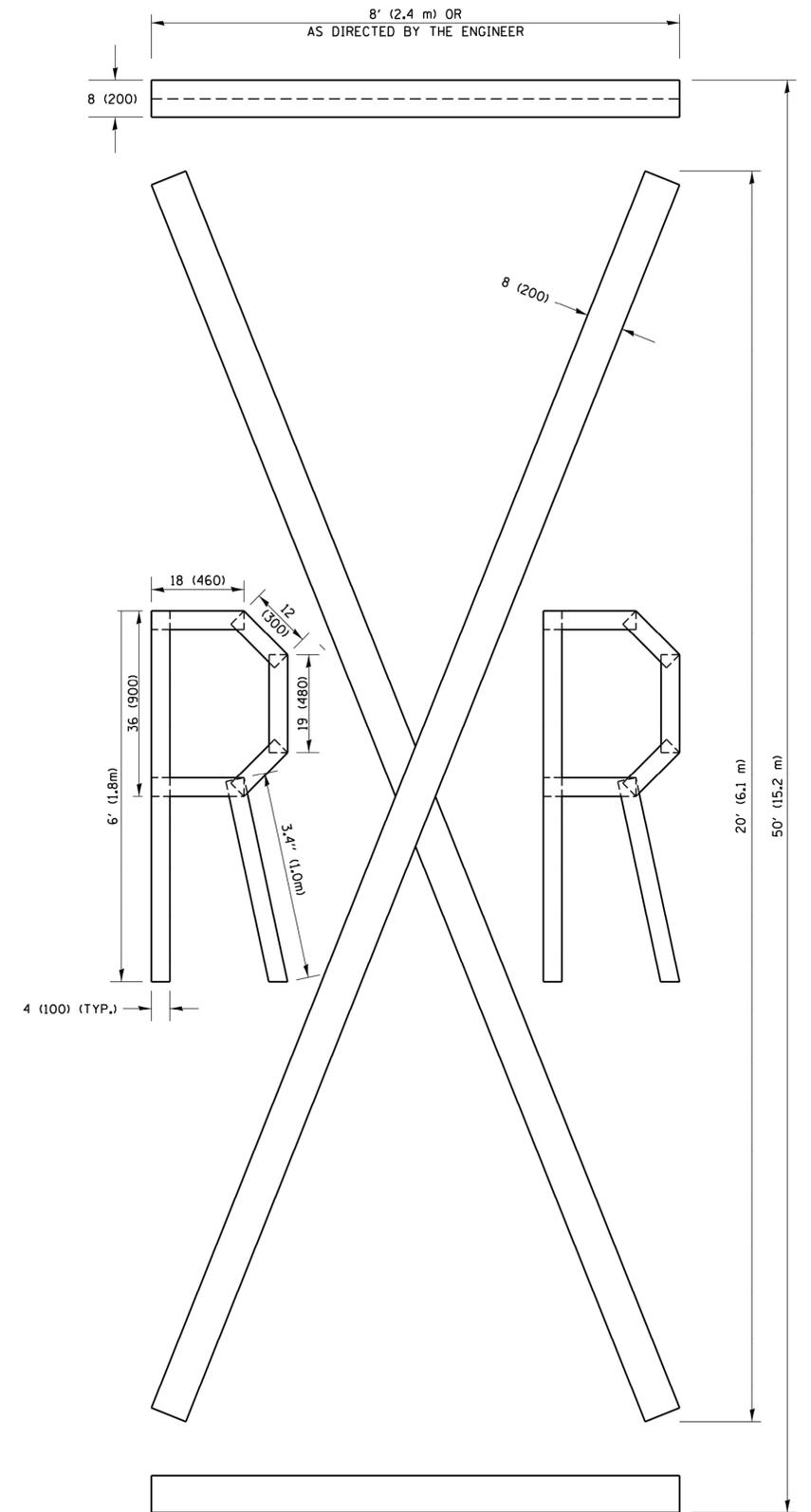


QUANTITY

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.

Drawing file: W:\Projects_by_Village\Meinose Park\60018279 - Broadway Ave. Resurfacing\DOT_Standards.dwg May 13, 2019 - 11:48am

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
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PLOT SCALE = 50.0000' / in.	DATE - 09-18-94	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016	DATE - 09-18-94	CHECKED -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

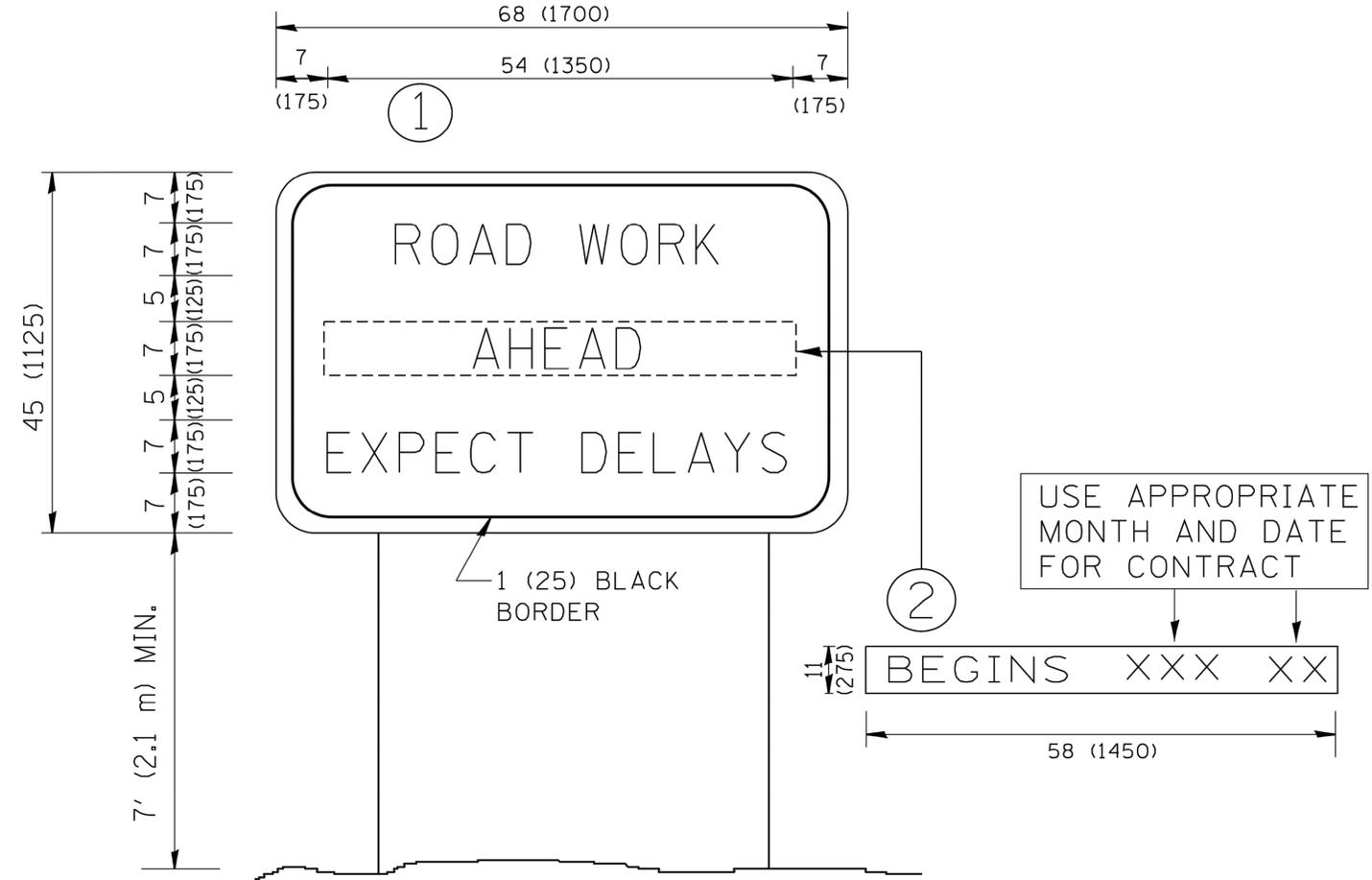
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2406	19-00141-00-RS	COOK	29	28
TC-16		CONTRACT NO. 61F93		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-18-27901

Drawing file: W:\Projects_by_Village\Meinose Park\60018279 - Broadway Ave Resurfacing\DOT Standards.dwg May 13, 2019 - 11:49am



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 = W:\diststd\22x34\to22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07
PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE. 2406	SECTION 19-00141-00-RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 29
TC-22			CONTRACT NO. 61F93	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	