

01-20-2023 LETTING ITEM 051

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**FUNCTIONAL CLASSIFICATION**  
MINOR COLLECTOR

**TRAFFIC DATA**  
HARRISON STREET  
ADT (2018) = 2,000

**POSTED SPEED LIMIT**  
HARRISON STREET = 25 MPH

**DESIGN SPEED LIMIT**  
HARRISON STREET = 25 MPH

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**HARRISON STREET**  
**BELLWOOD AVE TO 25TH AVE**  
**RESURFACING**  
**SECTION NO.: 21-00148-00-RS**  
**PROJECT NO.: N47Q (963)**  
**VILLAGE OF BELLWOOD**  
**COOK COUNTY**

FAU ROUTE NO.	SECTION	CO. JNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-00-RS	COOK	28	1
ILLINOIS PROJECT -				
CONTRACT NO. 61J20				



LOCATION OF SECTION INDICATED THUS:



Civil Engineers 9933 Roosevelt Road  
Westchester, IL 60154-2780  
Municipal Consultants Phone: 708-865-0300  
Established 1911 www.ehancock.com

0 10' 20' 30'  
SCALE: 1" = 10'

0 50' 100'  
SCALE: 1" = 50'

0 50' 100'  
SCALE: 1" = 40'

0 50' 100'  
SCALE: 1" = 30'

0 50' 100'  
SCALE: 1" = 20'

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.

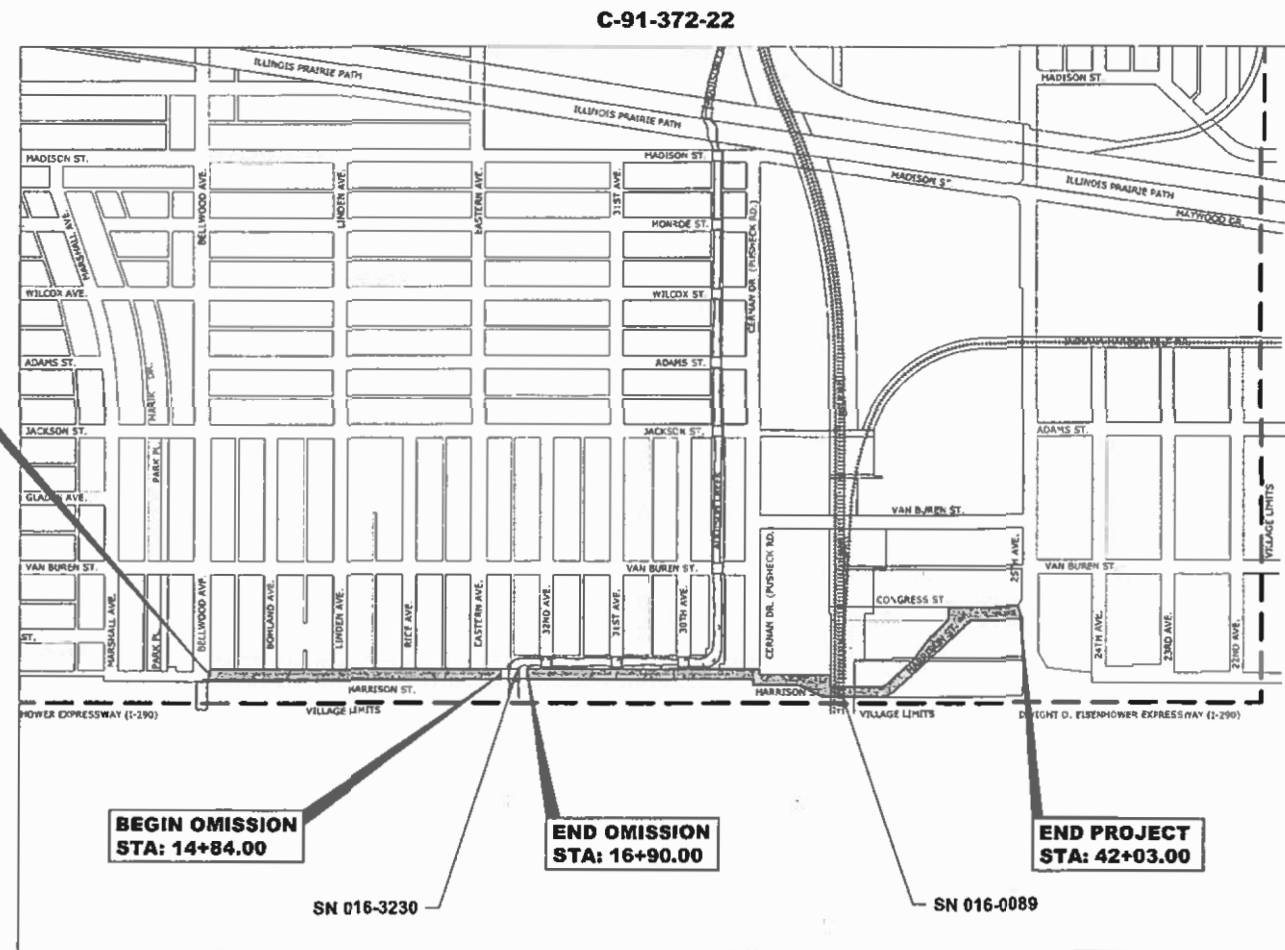
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

BEGIN PROJECT  
STA: 0+13.00

BEGIN OMISSION  
STA: 14+84.00

END OMISSION  
STA: 16+90.00

END PROJECT  
STA: 42+03.00



SECTION 3, TOWNSHIP 39, RANGE 12, 3RD PM PROVISIO TOWNSHIP

LOCATION MAP  
NOT TO SCALE

GROSS LENGTH OF IMPROVEMENT = 4,190.00 FT = 0.790 MI  
NET LENGTH OF IMPROVEMENT = 3,984.00 FT = 0.755 MI



(NOT TO SCALE)

STATE OF ILLINOIS  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED: *[Signature]* 10-27-22  
VILLAGE OF BELLWOOD, PRESIDENT

PASSED: *[Signature]* OCT 27 2022  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID  
BASED ON LIMITED  
REVIEW: *[Signature]* OCTOBER 28 2022  
REGIONAL ENGINEER



SIGNED: *[Signature]*  
DATE: 9-28-2022 LICENSE EXPIRES: 11-30-23

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OF THE STATE OF ILLINOIS

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

Drawing file: W:\Projects\by\_Magee\Belwood\06021017 - Harrison Street LRD\Cover.dwg Sep 28, 2022 - 10:45am

# GENERAL NOTES

- 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 JANUARY 1, 2022. 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" 8TH EDITION, AND THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. VILLAGE OF BROOKFIELD 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.
- 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. THE VILLAGE OF BELLWOOD, 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 SHALL 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 DURING CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BELLWOOD.
- 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 BELLWOOD AND BE SALVAGED. THE CONTRACTOR SHALL DELIVER FRAMES AND LIDS TO THE VILLAGE OF BELLWOOD STREET DEPT. LOCATED AT 203 30TH AVENUE, BELLWOOD, IL 60104 (708) 547-3540.
- THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT
- THE CONTRACTOR SHALL CONDUCT OPERATIONS AS TO MAINTAIN AT ALL TIMES FLOW THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. THE CONTRACTOR 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.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREE SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- 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.
- 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 TO THE SATISFACTION OF THE ENGINEER.
- 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.
- 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.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 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).
- THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE THEIR OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CENTERLINE WILL HAVE A COLD JOINT OVERNIGHT.
- LOCATIONS OF PATCHES ON PLANS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY ENGINEER. CLASS C 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.
- THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AND GARBAGE TRUCKS AT ALL TIMES. IF THE GARBAGE TRUCKS ARE NOT ABLE TO HAVE ACCESS TO ALL OF THE PROPERTIES WITHIN THE PROJECT LIMITS, THEN THE CONTRACTOR SHALL PLACE ANY GARBAGE THAT IS AFFECTED IN A LOCATION WHERE THE GARBAGE TRUCKS CAN PICK IT UP. THE CONTRACTOR SHALL RETURN THE GARBAGE CANS TO THE PARKWAY OF THE RESPECTIVE PROPERTY BY THE END OF THE DAY.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO DAMAGE EXISTING SIDEWALKS, DRIVEWAYS, AND PAVEMENTS OUTSIDE THE LIMITS OF RESTORATION. THE GENERAL LIMITS OF RESTORATION ARE SHOWN ON THE PLANS. THE ENGINEER WILL MARK OUT THE EXACT LIMITS OF REMOVAL FOR THESE ITEMS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO SIDEWALKS, DRIVEWAYS, AND PAVEMENTS OUTSIDE OF THESE LIMITS TO THE SATISFACTION OF THE ENGINEER.

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# IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	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
602301-04	INLET - TYPE A
602402-03	PRECAST MANHOLE TYPE A 5' (1.52m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-05	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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DESIGNED - -	REVISED - -
DRAWN - ECW, SFB, DMM	REVISED - 10-27-22
CHECKED - -	REVISED - 10-3-22
DATE - 6-29-22	REVISED - -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

## INDEX OF SHEETS, GENERAL NOTES, 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.
0290	21-00148-21-RS	COOK	26	2
CONTRACT NO. 61J20			FED. AID PROJECT	

E.H.E. PROJECT NO. 0802103701

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

**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 BELLWOOD 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.

**GENERAL NOTES**

1. ELEVATION DATUM IS C.C.D.
2. THE ENGINEER IN COORDINATION WITH THE MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE; SHALL HAVE TO THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
3. 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.
4. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENT TO NOTIFY ALL INSPECTION AGENCIES.
5. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
6. 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.

**SANITARY SEWER**

1. 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 ENGINEER IN COORDINATION WITH THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
2. 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 BY THE ENGINEER IN COORDINATION WITH THE MUNICIPALITY AND/OR MWRD.
3. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
4. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
5. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE FUSION)	ASTM D-3350	ASTM D-3261, F-2620 (HEAT FUSION)
	ASTM D-3036	ASTM D-3212, F-477
(GASKETED)		
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	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	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D-3212, F-477

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.
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 COUPLINGS TO HOLD IT FIRMLY IN PLACE.
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS 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 WATERMAIN 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 WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATERMAIN 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.

**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, WATERMAINS 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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DATE -- 6-29-22	REVISED --	

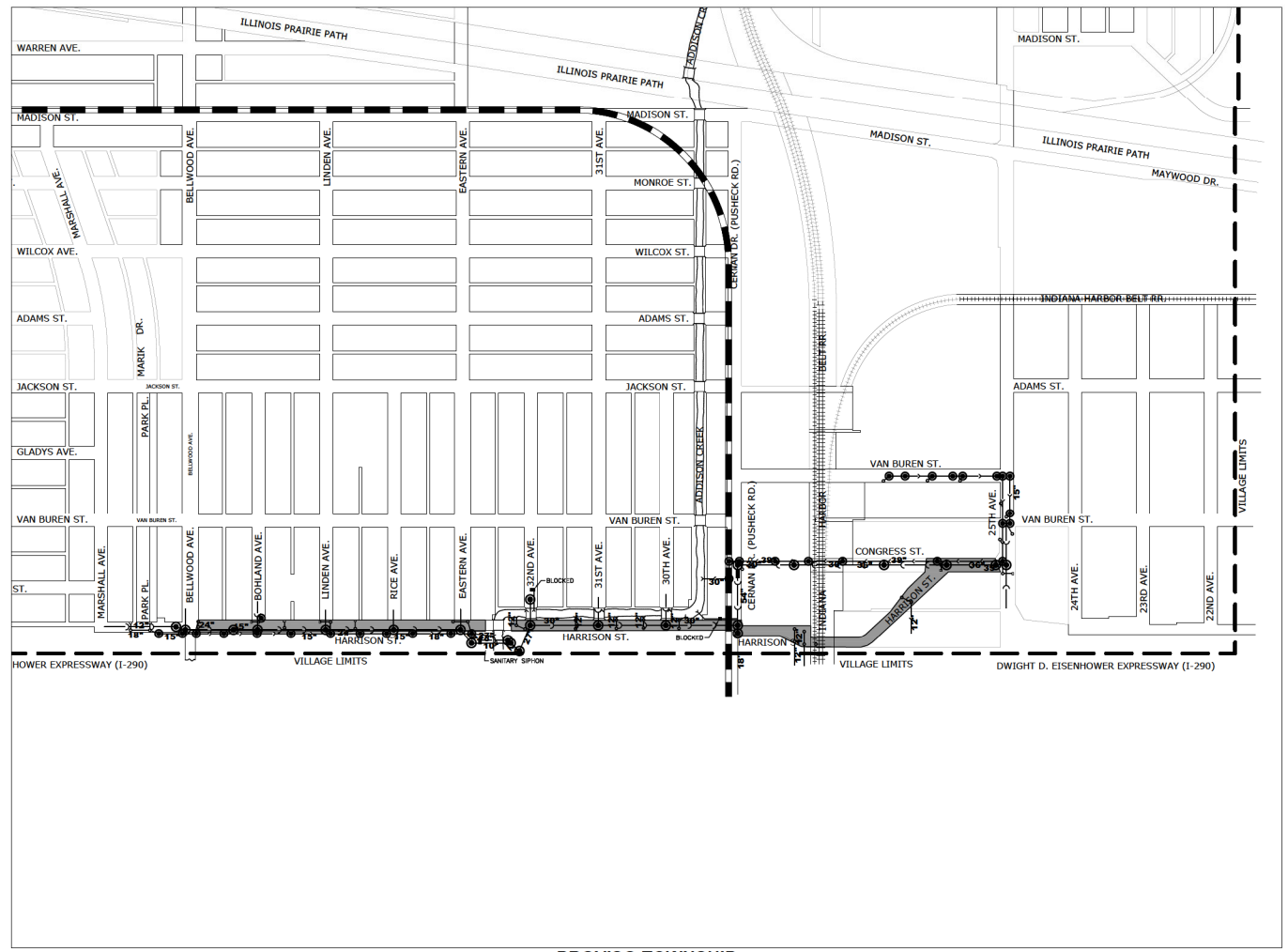
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	3
CONTRACT NO. 61J20			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

E.H.E. PROJECT NO. 0802103701



PROJECT LOCATED IN THE VILLAGE OF BELLWOOD

- MWRD INTERCEPTOR
- TARP
- CONNECTION TO MWRD INTERCEPTOR
- CONNECTION TO TARP
- POINT OF DISCHARGE INTO LOCAL WATERWAY
- VILLAGE OF BELLWOOD STORM RELIEF AND OVERFLOW SEWER

**NOTE:**  
 1. ALL SEWERS FROM PROJECT LOCATIONS TO DES PLAINES RIVER, MWRD INTERCEPTOR, OR TARP SYSTEM ARE OWNED AND MAINTAINED BY THE VILLAGE OF BELLWOOD.

SECTION 3, TOWNSHIP 39, RANGE 12, 3RD PM PROVISO TOWNSHIP

**- PROJECT LOCATION ROUTE OUTLET MAP**

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DATE	6-29-22	REVISED	--

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**M.W.R.D.G.C. ROUTE OUTLET MAP**

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


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	4
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61J20	
FED. AID PROJECT			E.H.E. PROJECT NO. 0802103701	

<b>SUMMARY OF QUANTITIES</b>						Const. Type Code 80% Federal/ 20% Local
SPLTY	SP	Code No.	Description	Unit	Total Quantity	Resurfacing 0005 Urban
		20200100	EARTH EXCAVATION	CU YD	110	110
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	700	700
		25200110	SODDING, SALT TOLERANT	SQ YD	700	700
	*	25200200	SUPPLEMENTAL WATERING	UNIT	38	38
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	39	39
	*	28000510	INLET FILTERS	EACH	40	40
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8,320	8,320
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	120	120
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	120	120
		40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	1,040	1,040
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,200	1,200
	*	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	62	62
		42101300	PROTECTIVE COAT	SQ YD	1,500	1,500
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	20	20

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SUMMARY OF QUANTITIES						Const. Type Code 80% Federal/ 20% Local
SPLTY	SP	Code No.	Description	Unit	Total Quantity	Resurfacing 0005 Urban
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,500	5,500
	*	42400800	DETECTABLE WARNINGS	SQ FT	290	290
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	20	20
	*	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,400	4,400
	*	44000600	SIDEWALK REMOVAL	SQ FT	5,600	5,600
		44201301	CLASS C PATCHES, TYPE I, 6 INCH	SQ YD	320	320
		44201305	CLASS C PATCHES, TYPE II, 6 INCH	SQ YD	120	120
		44201309	CLASS C PATCHES, TYPE III, 6 INCH	SQ YD	250	250
		44201311	CLASS C PATCHES, TYPE IV, 6 INCH	SQ YD	370	370
		44213204	TIE BARS 3/4"	EACH	970	970
		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	4	4
		60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3
	*	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2
		60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1
		60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1

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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.
0290	21-00148-21-R5	COOK	26	6
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61J20	
FED. AID PROJECT			E.H.E. PROJECT NO. 0802103701	

SUMMARY OF QUANTITIES						Const. Type Code 80% Federal/ 20% Local
SPLTY	SP	Code No.	Description	Unit	Total Quantity	Resurfacing 0005 Urban
	*	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	31	31
		60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	8	8
		60600605	CONCRETE CURB, TYPE B	FOOT	10	10
	*	60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	4,400	4,400
*		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4	4
*		66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
*		66901001	REGULATED SUBSTANCE PRE-CONSTRUCTION PLAN	L SUM	1	1
*		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
*		66901006	REGULATED SUBSTANCES MONITORING	CAL DA	1	1
		67100100	MOBILIZATION	L SUM	1	1
	*	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	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
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30	30
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	400	400

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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.
0290	21-00148-21-RS	COOK	26	7
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61J20	
FED. AID PROJECT			E.H.E. PROJECT NO. 0802103701	

<b>SUMMARY OF QUANTITIES</b>						Const. Type Code 80% Federal/ 20% Local
SPLTY	SP	Code No.	Description	Unit	Total Quantity	Resurfacing 0005 Urban
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	130	130
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	55	55
		70306210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE III TAPE	FOOT	130	130
		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	243	243
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,100	7,100
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	425	425
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	258	258
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	110	110
*	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	360	360
	*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	12,300	12,300
	*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	18	18
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
	*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
		LR443200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4,200	4,200

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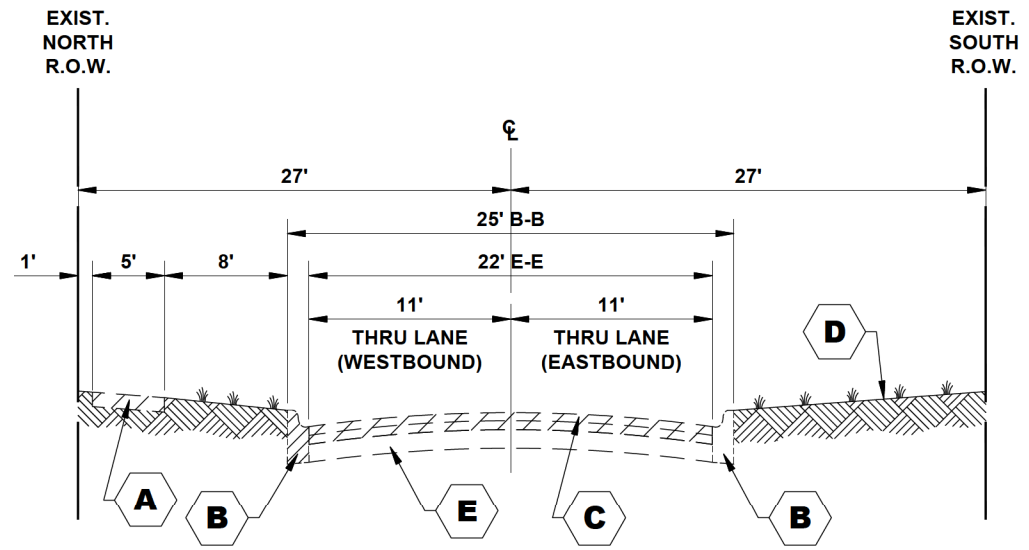
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CHECKED --	-	REVISED --	10-3-22
DATE --	6-28-22	REVISED --	-

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

<b>SUMMARY OF QUANTITIES</b>	
SCALE: NONE	SHEET NO. 4 OF 4 SHEETS
STA. -	TO STA. -

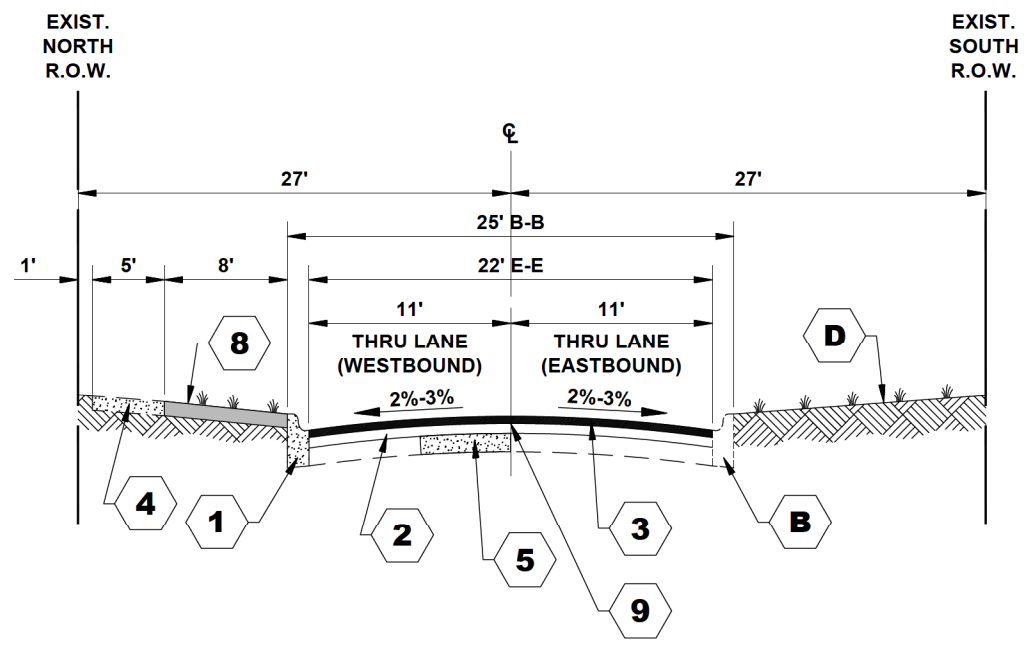
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	8
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61J20	
FED. AID PROJECT			E.H.E. PROJECT NO. 0802103701	





**EXISTING TYPICAL SECTION**

HARRISON STREET  
(STATION 0+13 TO STATION 14+00)



**PROPOSED TYPICAL SECTION**

HARRISON STREET  
(STATION 0+13 TO STATION 14+00)

**TYPICAL CROSS SECTION LEGEND**

**EXISTING**

- A** PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND INTERMITTENT REMOVAL
- B** EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 AND INTERMITTENT REMOVAL
- C** BITUMINOUS CONCRETE BINDER AND SURFACE COURSE, 3" - 4" REMOVAL
- D** GRASS PARKWAY
- E** PCC BASE COURSE, 9"
- F** PAVED PARKWAY AND INTERMITTENT HMA SURFACE REMOVAL
- G** EXISTING COMB. CONC. C&G TYPE B-6.12 (DEPRESSED) INTERMITTENT REMOVAL

**PROPOSED**

- 1** PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- 2** HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
- 3** HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 1-3/4"
- 4** PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 5** CLASS C PATCH, 6"
- 6** INCIDENTAL HOT-MIX ASPHALT SURFACING
- 7** PROPOSED INTERMITTENT COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT TYPE B-6.12 (DEPRESSED)
- 8** INTERMITTENT TOPSOIL (4") AND SODDING RESTORATION
- 9** STRIP REFLECTIVE CRACK CONTROL TREATMENT

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	OMP
HOT-MIX ASPHALT SURFACE COURSE, IL - 9.5, MIX D, N50, 1 1/2"	4% @ 50 Gyr	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL - 9.5, N50, 1 1/2"	4% @ 50 Gyr	LR 1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING (HMA SURFACE COURSE, IL - 9.5, MIX D, N50, 3"	4% @ 50 Gyr	LR 1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2

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 RECLAIMED MATERIALS SPECIFICATIONS

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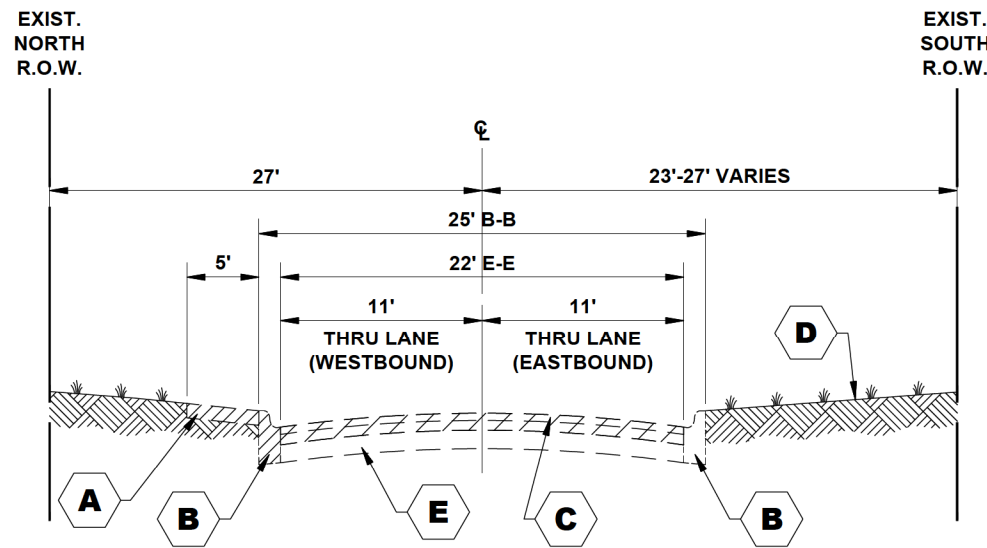
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DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. - TO STA. -

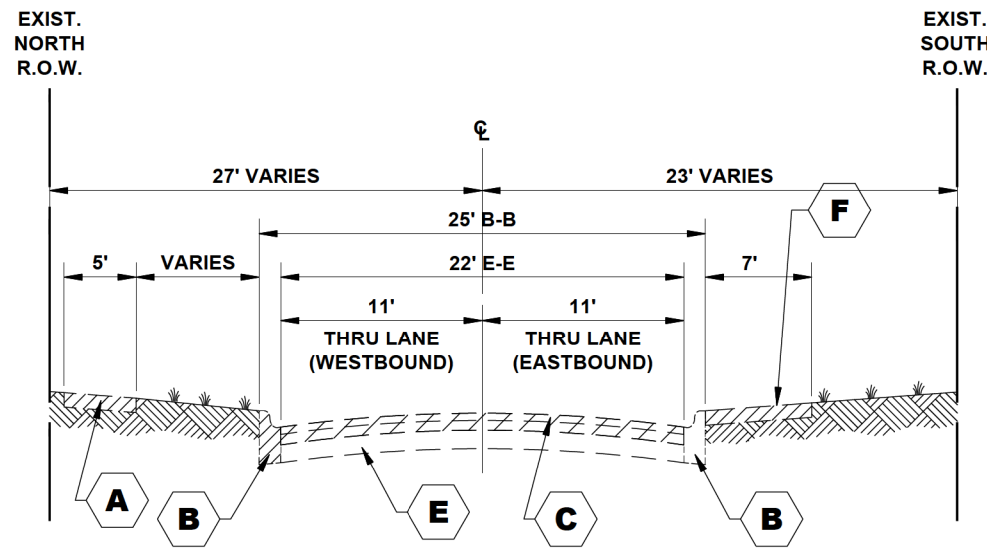
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	9
CONTRACT NO. 61J20			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

E.H.E. PROJECT NO. 0802103701



**EXISTING TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 14+00 TO STATION 14+84),  
 (STATION 16+90 TO STATION 23+56)



**EXISTING TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 23+56 TO STATION 29+50)  
 (STATION 30+50 TO STATION 34+25)  
 (STATION 35+50 TO STATION 39+50)

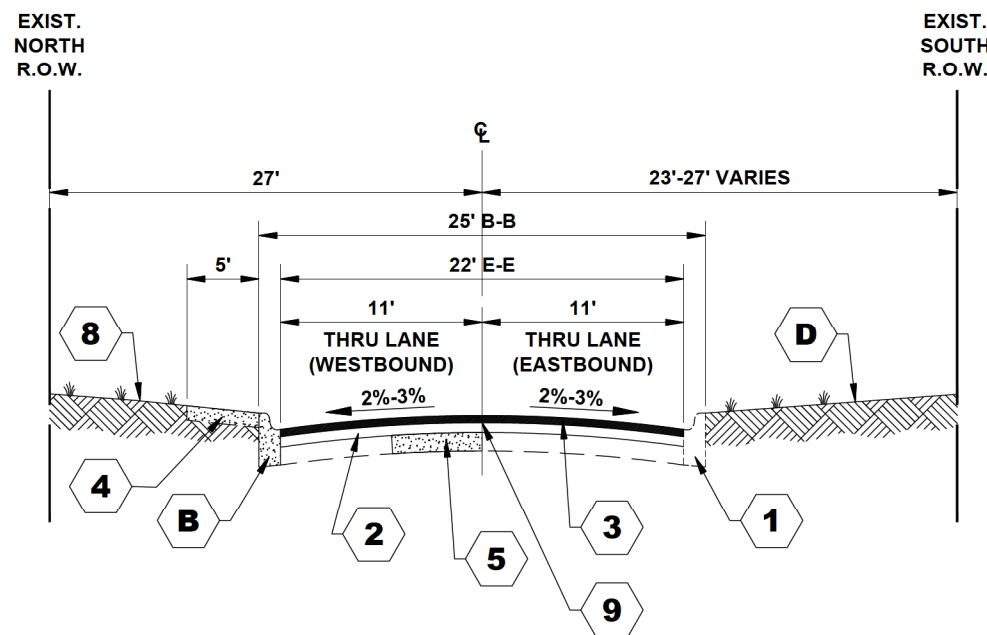
**TYPICAL CROSS SECTION LEGEND**

**EXISTING**

- A** PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND INTERMITTENT REMOVAL
- B** EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 AND INTERMITTENT REMOVAL
- C** BITUMINOUS CONCRETE BINDER AND SURFACE COURSE, 3" - 4" REMOVAL
- D** GRASS PARKWAY
- E** PCC BASE COURSE, 9"
- F** PAVED PARKWAY AND INTERMITTENT HMA SURFACE REMOVAL
- G** EXISTING COMB. CONC. C&G TYPE B-6.12 (DEPRESSED) INTERMITTENT REMOVAL

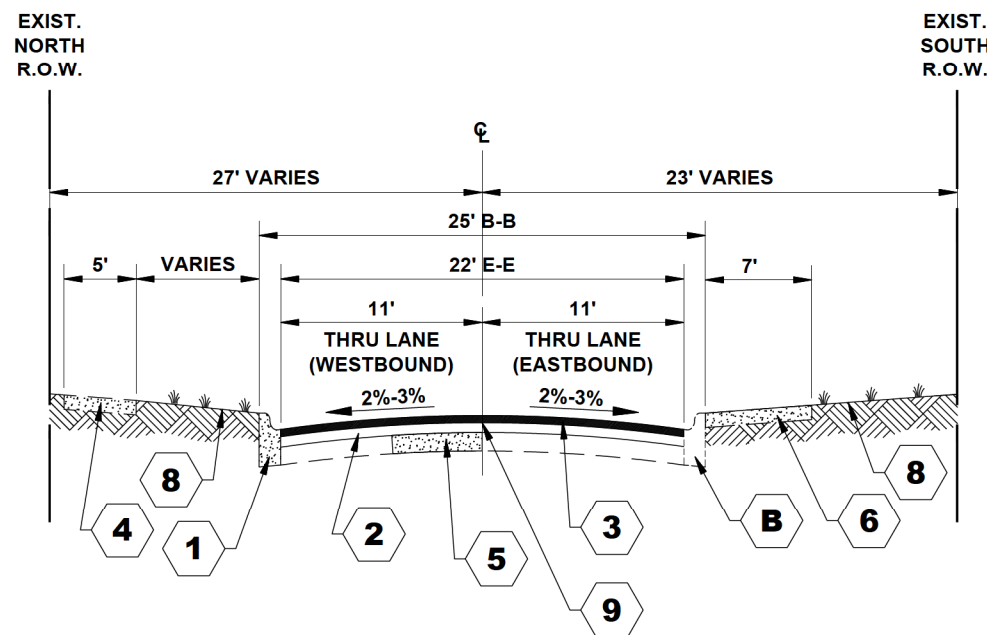
**PROPOSED**

- 1** PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- 2** HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
- 3** HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 1-3/4"
- 4** PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 5** CLASS C PATCH, 6"
- 6** INCIDENTAL HOT-MIX ASPHALT SURFACING
- 7** PROPOSED INTERMITTENT COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT TYPE B-6.12 (DEPRESSED)
- 8** INTERMITTENT TOPSOIL (4") AND SODDING, SALT TOLERANT RESTORATION
- 9** STRIP REFLECTIVE CRACK CONTROL TREATMENT



**PROPOSED TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 14+00 TO STATION 14+84),  
 (STATION 16+90 TO STATION 23+56)



**PROPOSED TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 23+56 TO STATION 29+50)  
 (STATION 30+50 TO STATION 34+25)  
 (STATION 35+50 TO STATION 39+50)

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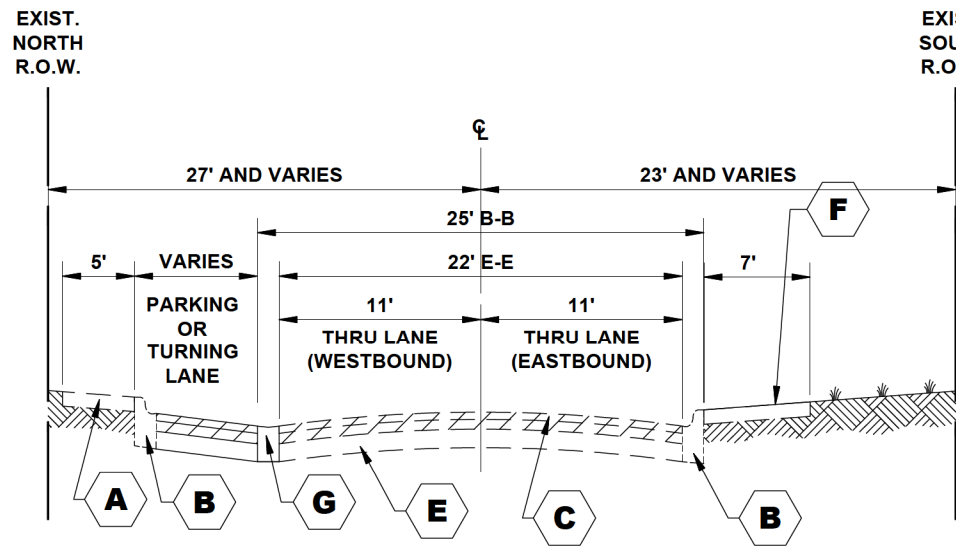
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**DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS**

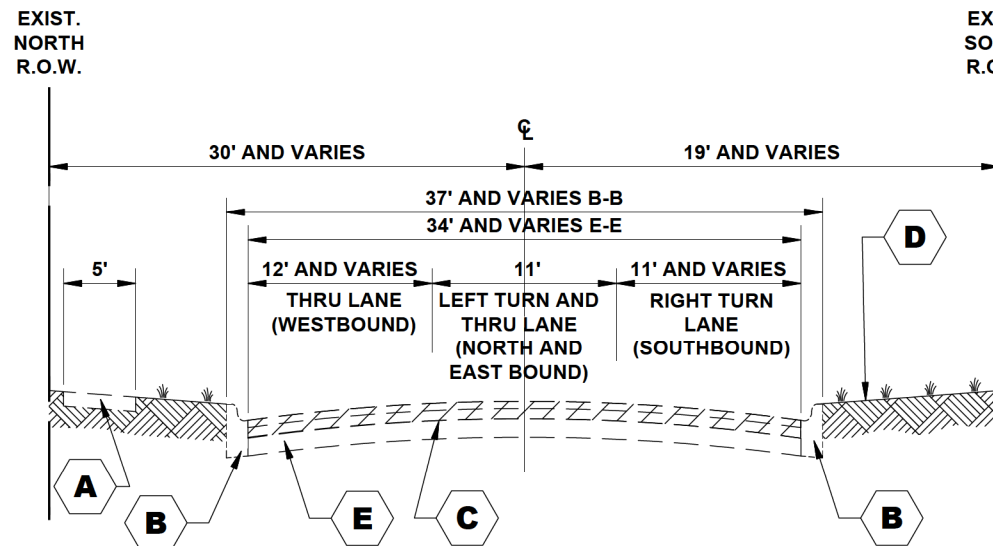
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	10
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61J20	
FED. AID PROJECT			E.H.E. PROJECT NO. 0802103701	



**EXISTING TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 29+50 TO STATION 30+50)  
 (STATION 34+25 TO STATION 35+50)



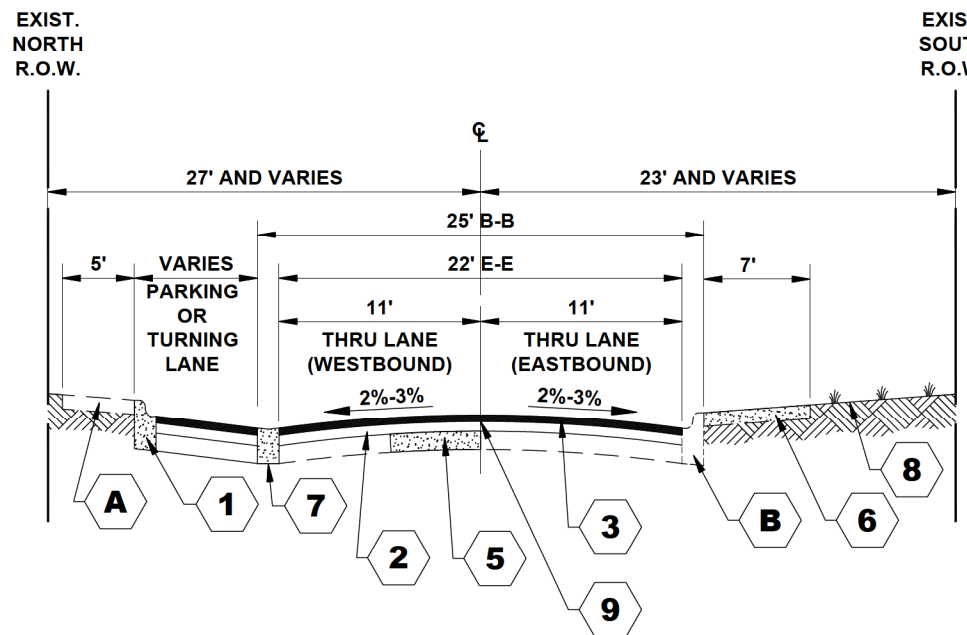
**EXISTING TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 39+50 TO STATION 42+03)

**TYPICAL CROSS SECTION LEGEND**

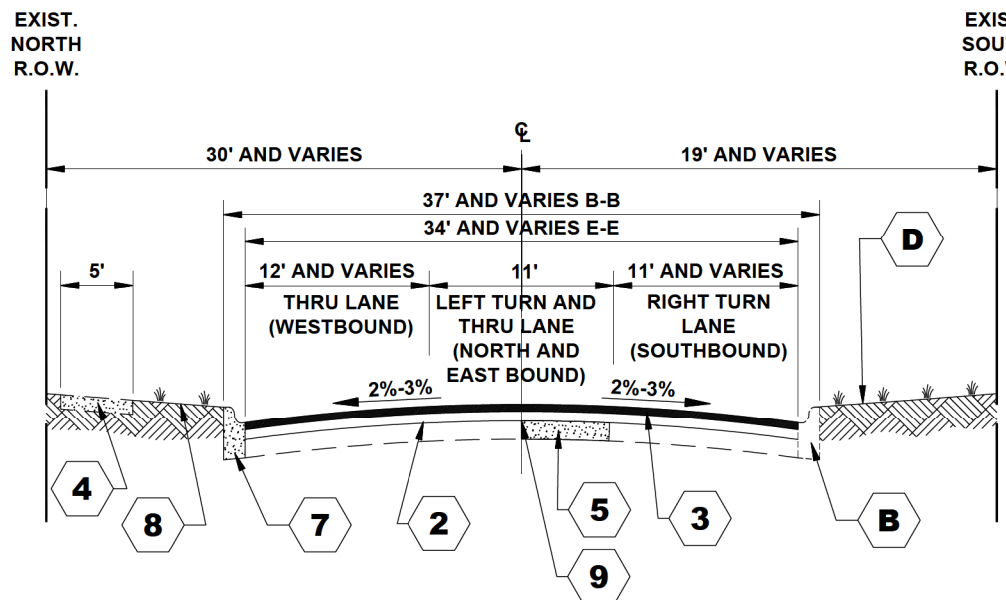
- EXISTING**
- A PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND INTERMITTENT REMOVAL
  - B EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 AND INTERMITTENT REMOVAL
  - C BITUMINOUS CONCRETE BINDER AND SURFACE COURSE, 3" - 4" REMOVAL
  - D GRASS PARKWAY
  - E PCC BASE COURSE, 9"
  - F PAVED PARKWAY AND INTERMITTENT HMA SURFACE REMOVAL
  - G EXISTING COMB. CONC. C&G TYPE B-6.12 (DEPRESSED) INTERMITTENT REMOVAL

- PROPOSED**
- 1 PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
  - 2 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
  - 3 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 1-3/4"
  - 4 PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
  - 5 CLASS C PATCH, 6"
  - 6 INCIDENTAL HOT-MIX ASPHALT SURFACING
  - 7 PROPOSED INTERMITTENT COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT TYPE B-6.12 (DEPRESSED)
  - 8 INTERMITTENT TOPSOIL (4") AND SODDING, SALT TOLERANT RESTORATION
  - 9 STRIP REFLECTIVE CRACK CONTROL TREATMENT



**PROPOSED TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 29+50 TO STATION 30+50)  
 (STATION 34+25 TO STATION 35+50)



**PROPOSED TYPICAL SECTION**

**HARRISON STREET**  
 (STATION 39+50 TO STATION 42+03)

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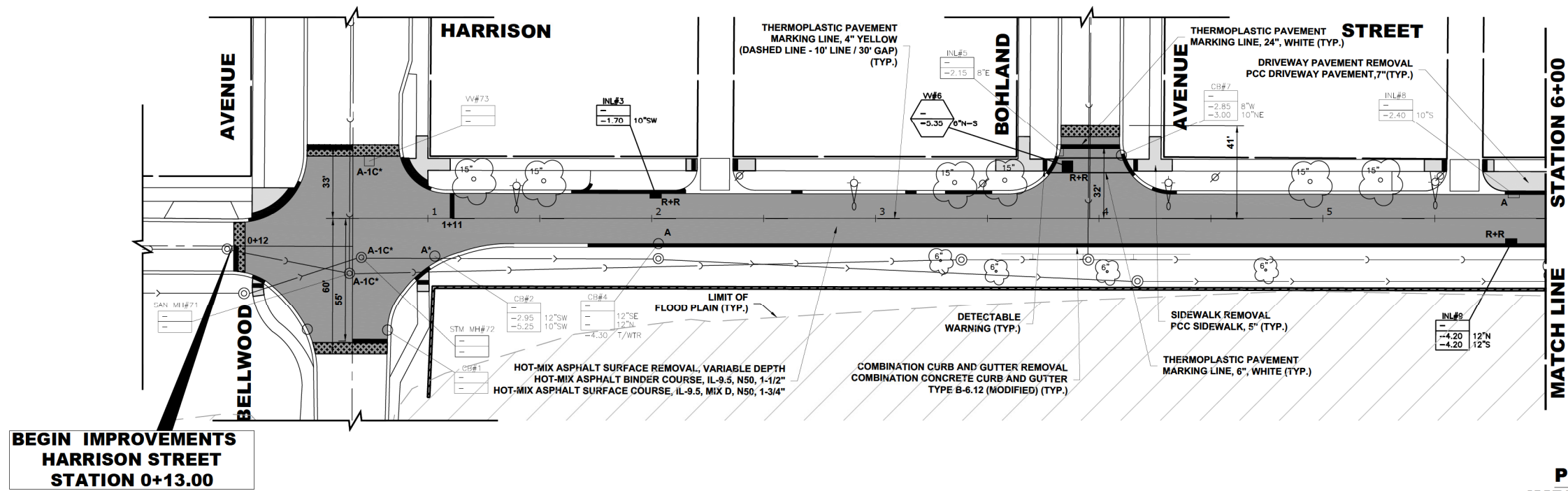
DESIGNED	-	REVISED	-
DRAWN	ECW, SFB, DMM	REVISED	10-27-22
CHECKED	-	REVISED	10-3-22
DATE	6-29-22	REVISED	-

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

**EXISTING AND PROPOSED TYPICAL SECTIONS**

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

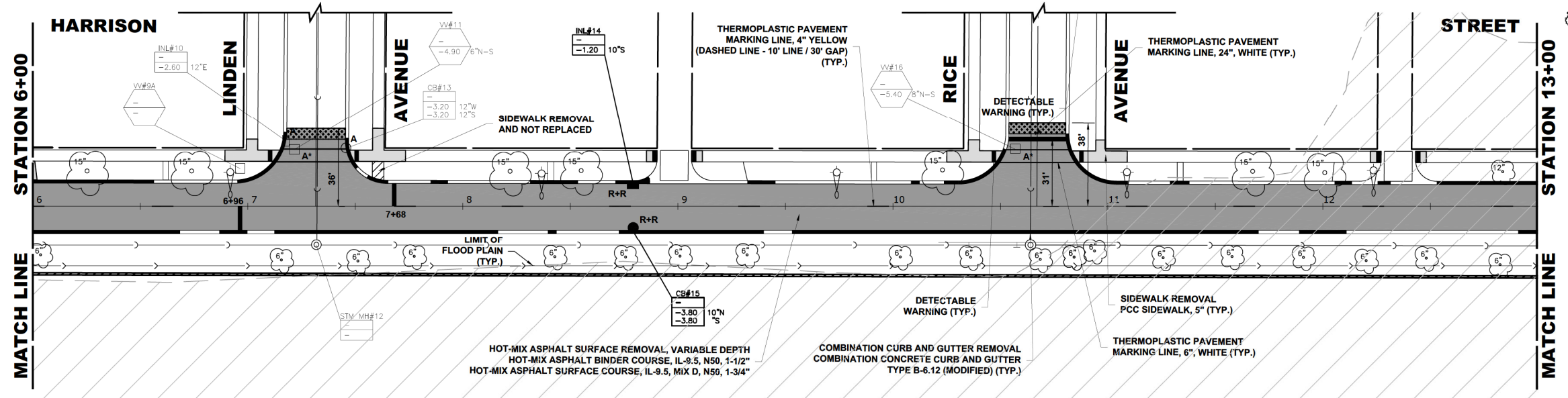
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	11
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61J20	
FED. AID PROJECT			E.H.E. PROJECT NO. 0802103701	



**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
[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
[R+R]	STRUCTURE TO BE REPLACED
[Fire hydrant symbol]	EXISTING FIRE HYDRANT
[Water valve box symbol]	EXISTING WATER VALVE BOX
[Water valve vault symbol]	EXISTING WATER MAIN VALVE VAULT
[Proposed water valve vault symbol]	PROPOSED WATER MAIN VALVE VAULT
[Square symbol]	EXISTING STORM SEWER INLET
[Proposed square symbol]	PROPOSED STORM SEWER INLET
[Circle symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed circle symbol]	PROPOSED STORM SEWER CATCH BASIN
[Circle with cross symbol]	EXISTING SEWER MANHOLE
[Proposed circle with cross symbol]	PROPOSED 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 curb and gutter symbol]	PROPOSED CONCRETE CURB, TYPE B
[Proposed curb and gutter symbol]	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
[Sewer line symbol]	EXISTING STORM SEWER
[Sewer line symbol]	EXISTING COMBINED SEWER
[Water main symbol]	EXISTING WATER MAIN
[Hatched area symbol]	1% CHANCE FLOOD PLANE



**PROPOSED IMPROVEMENTS**

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DRAWN -- ECW, SFB, DMM	REVISOR -- 10-27-22
CHECKED --	REVISOR -- 10-3-22
DATE -- 6-29-22	REVISOR -- MWRD 5-2-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING/ PAVEMENT MARKING PLAN**

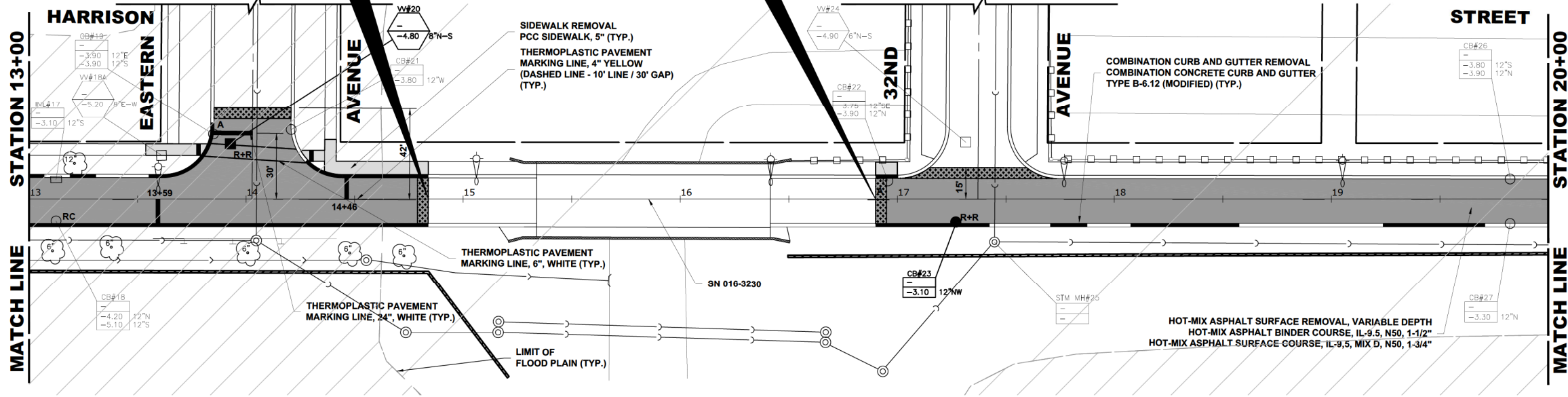
SCALE: 1" = 30'    SHEET NO. 1 OF 4 SHEETS    STA. 0+13    TO STA. 13+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	12
CONTRACT NO. 61J20				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 0802103701

**BEGIN OMISSION  
HARRISON STREET  
STATION 14+84.00**

**END OMISSION  
HARRISON STREET  
STATION 16+90.00**

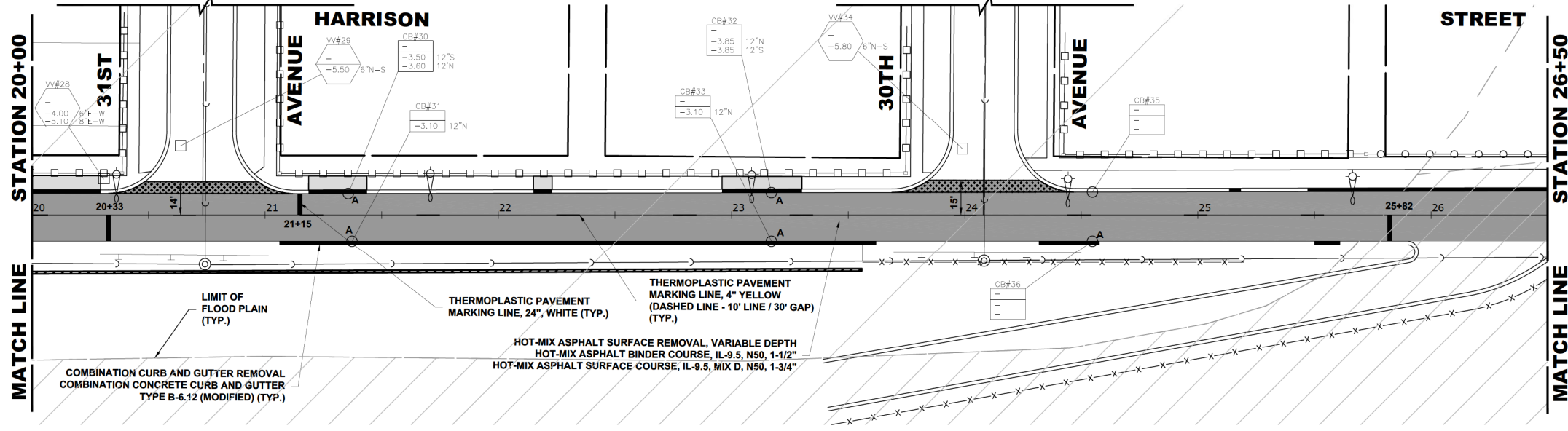


**LEGEND OF SYMBOLS**

(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
[Hatched pattern]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Dark hatched pattern]	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
R+R	STRUCTURE TO BE REPLACED
[Fire hydrant symbol]	EXISTING FIRE HYDRANT
[Water valve box symbol]	EXISTING WATER VALVE BOX
[Water main valve vault symbol]	EXISTING WATER MAIN VALVE VAULT
[Proposed water main valve vault symbol]	PROPOSED WATER MAIN VALVE VAULT
[Existing storm sewer inlet symbol]	EXISTING STORM SEWER INLET
[Proposed storm sewer inlet symbol]	PROPOSED STORM SEWER INLET
[Existing storm sewer catch basin symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed storm sewer catch basin symbol]	PROPOSED STORM SEWER CATCH BASIN
[Existing sewer manhole symbol]	EXISTING SEWER MANHOLE
[Proposed sewer manhole symbol]	PROPOSED SEWER MANHOLE
[Existing street light pole symbol]	EXISTING STREET LIGHT POLE
[Existing power pole symbol]	EXISTING POWER POLE
[Existing 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 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
[Hatched pattern]	1% CHANCE FLOOD PLANE

**PROPOSED IMPROVEMENTS**



**PROPOSED IMPROVEMENTS**

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CHECKED		REVISION	10-3-22
DATE	6-29-22	REVISION	MWRD 5-2-22

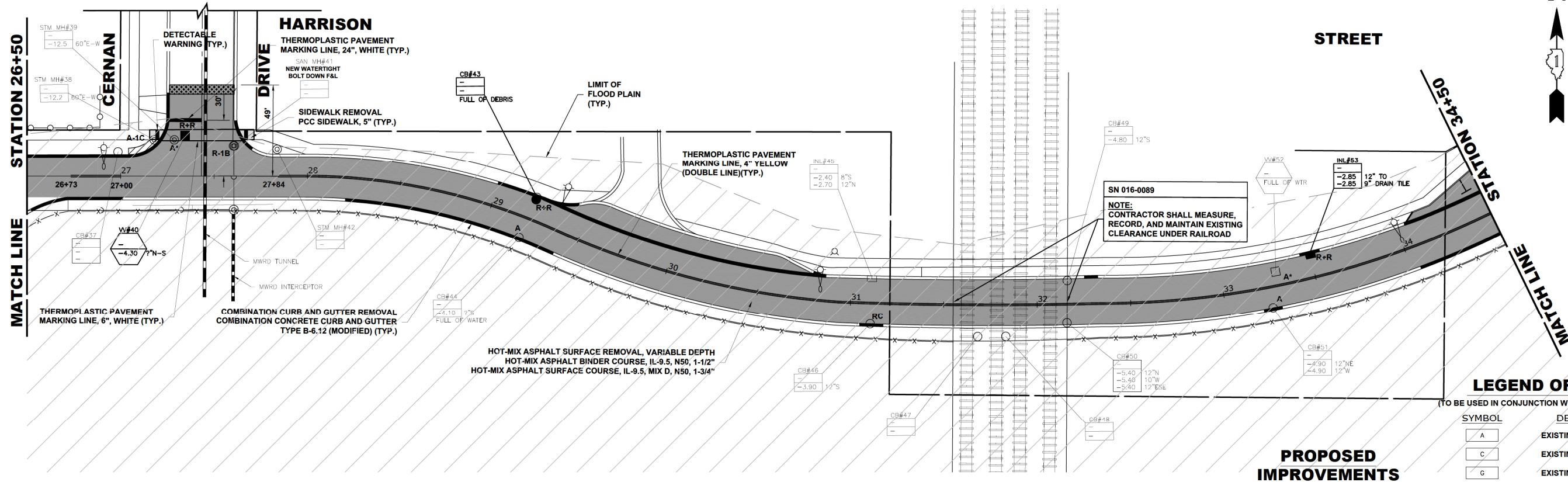
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING/ PAVEMENT MARKING PLAN**

SCALE: 1" = 30' SHEET NO. 2 OF 4 SHEETS STA. 13+00 TO STA. 26+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	13
CONTRACT NO.				61J20
FED. ROAD DIST. NO. 1 ILLINOIS				FED. AID PROJECT

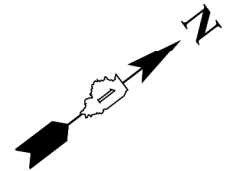
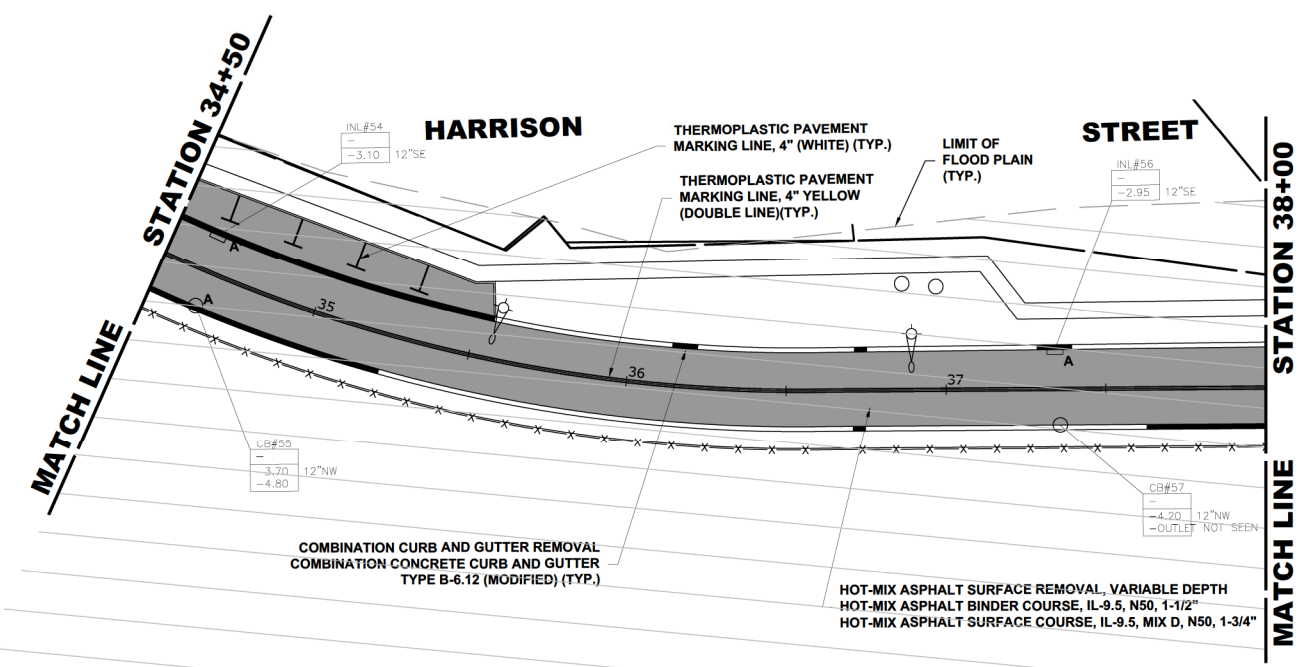
E.H.E. PROJECT NO. 0802103701



**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
[Hatched pattern]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Dark hatched pattern]	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
R+R	STRUCTURE TO BE REPLACED
[Fire hydrant symbol]	EXISTING FIRE HYDRANT
[Water valve box symbol]	EXISTING WATER VALVE BOX
[Water main vault symbol]	EXISTING WATER MAIN VALVE VAULT
[Proposed water main vault symbol]	PROPOSED WATER MAIN VALVE VAULT
[Storm sewer inlet symbol]	EXISTING STORM SEWER INLET
[Proposed storm sewer inlet symbol]	PROPOSED 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
[Proposed sewer manhole symbol]	PROPOSED 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 curb and gutter removal 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
[Flood plaine symbol]	1% CHANCE FLOOD PLAINE

**PROPOSED IMPROVEMENTS**



**PROPOSED IMPROVEMENTS**

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DATE	6-29-22	REVISED	MWRD 5-2-22

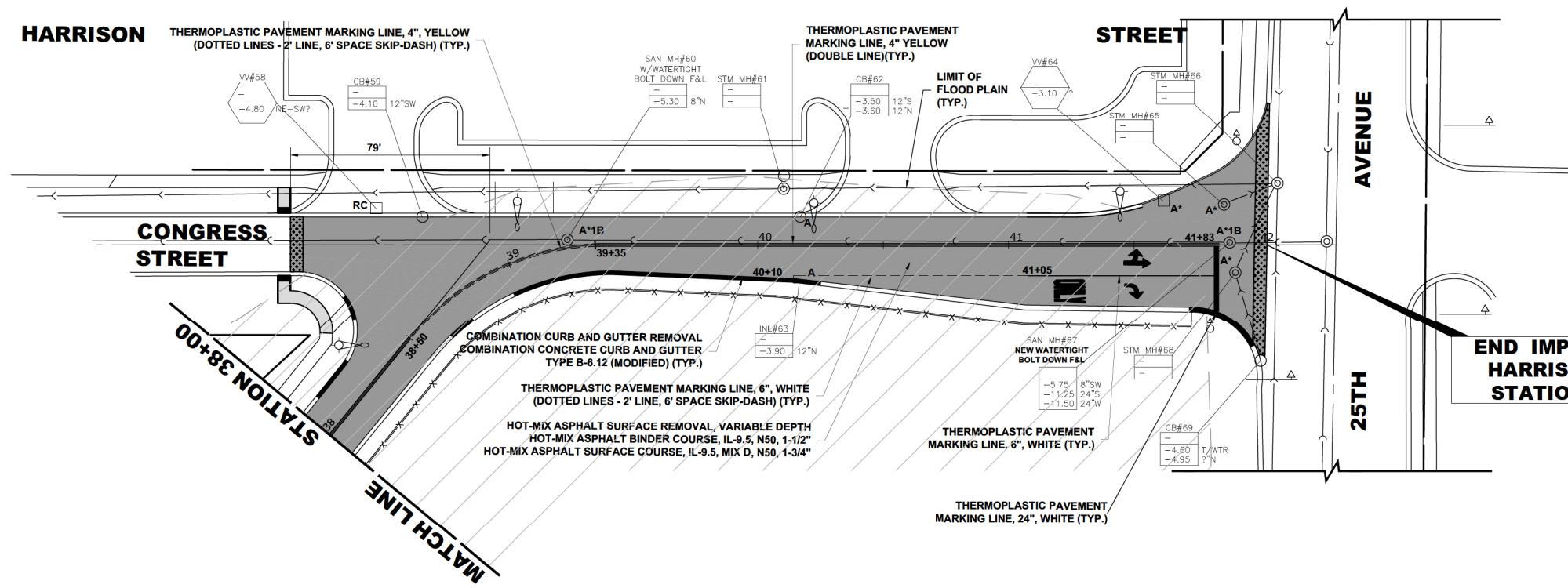
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**RESURFACING/ PAVEMENT MARKING PLAN**

SCALE: 1" = 30' SHEET NO. 3 OF 4 SHEETS STA. 26+50 TO STA. 38+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	14
CONTRACT NO. 61J20				
FED. ROAD DIST. NO. 1 ILLINOIS				
FED. AID PROJECT				

E.H.E. PROJECT NO. 0802103701



**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 hatched]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Dark grey hatched]	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
R+R	STRUCTURE TO BE REPLACED
[Fire hydrant symbol]	EXISTING FIRE HYDRANT
[Water valve box symbol]	EXISTING WATER VALVE BOX
[Water main vault symbol]	EXISTING WATER MAIN VALVE VAULT
[Proposed water main vault symbol]	PROPOSED WATER MAIN VALVE VAULT
[Storm sewer inlet symbol]	EXISTING STORM SEWER INLET
[Proposed storm sewer inlet symbol]	PROPOSED STORM SEWER INLET
[Storm sewer catch basin symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed storm sewer catch basin symbol]	PROPOSED STORM SEWER CATCH BASIN
[Existing sewer manhole symbol]	EXISTING SEWER MANHOLE
[Proposed sewer manhole symbol]	PROPOSED SEWER MANHOLE
[Existing street light pole symbol]	EXISTING STREET LIGHT POLE
[Existing power pole symbol]	EXISTING POWER POLE
[Existing 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 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
[1% Chance Flood Plain symbol]	1% CHANCE FLOOD PLAIN

**END IMPROVEMENTS  
HARRISON STREET  
STATION 42+03.00**

**PROPOSED  
IMPROVEMENTS**

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DATE -- 6-29-22	REVISD -- MWRD 5-2-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING/ PAVEMENT MARKING PLAN**

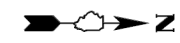
SCALE: 1" = 30'    SHEET NO. 4 OF 4 SHEETS    STA. 38+00 TO STA. 42.03

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	15
CONTRACT NO. 61J20				FED. AID PROJECT

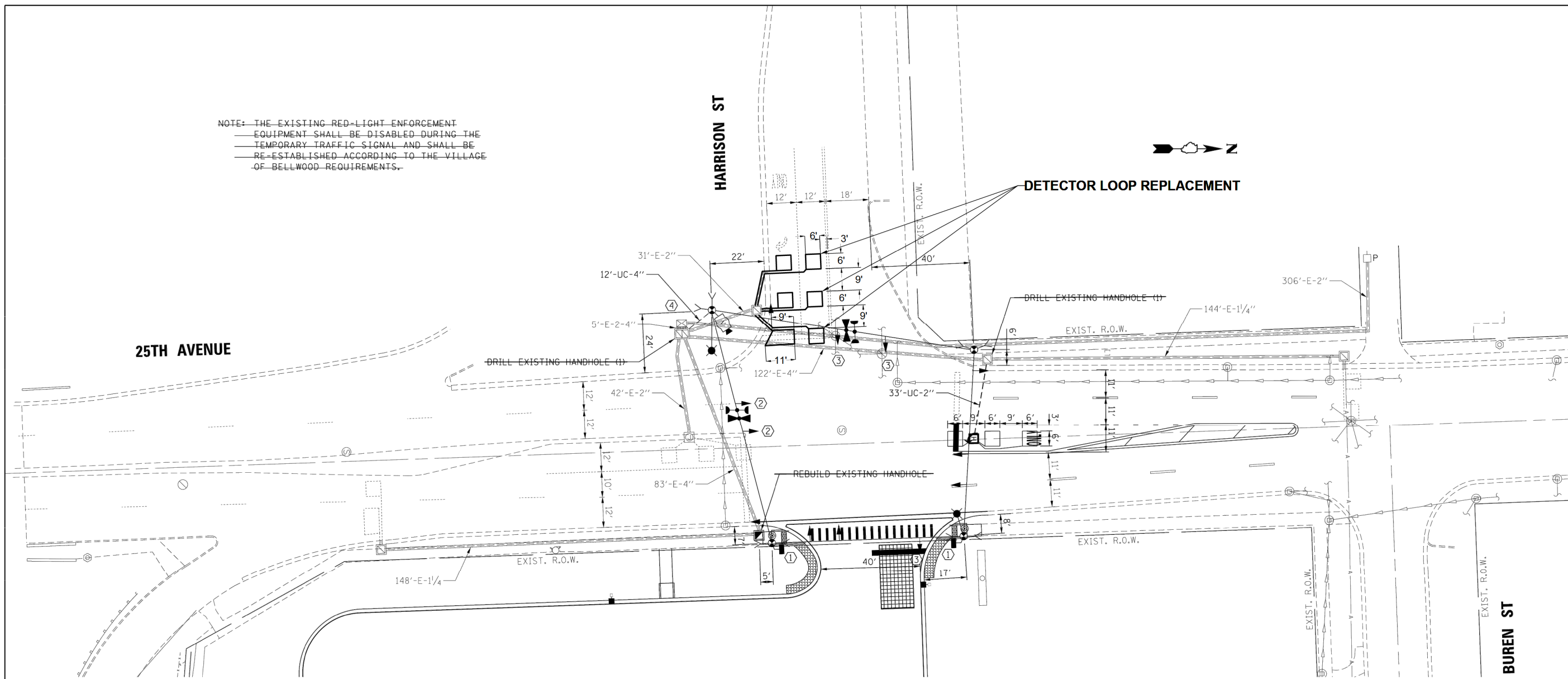
FED. ROAD DIST. NO. 1 ILLINOIS

E.H.E. PROJECT NO. 0802103701

NOTE: THE EXISTING RED-LIGHT ENFORCEMENT EQUIPMENT SHALL BE DISABLED DURING THE TEMPORARY TRAFFIC SIGNAL AND SHALL BE RE-ESTABLISHED ACCORDING TO THE VILLAGE OF BELLWOOD REQUIREMENTS.



TS SHT NO. 11



- CONSTRUCTION NOTES:
- ① THE PEDESTRIAN SIGNAL HEAD SHALL BE BAGGED AND DISABLED UNTIL THE PROPOSED CONTROLLER SEQUENCE IS IMPLEMENTED.
  - ② THE YELLOW AND GREEN ARROW SECTIONS OF THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED UNTIL THE PROPOSED CONTROLLER SEQUENCE IS IMPLEMENTED.
  - ③ THE SIGNAL HEAD SHALL BE BAGGED AND DISABLED UNTIL THE PROPOSED CONTROLLER SEQUENCE IS IMPLEMENTED.
  - ④ MODIFY EXISTING CONTROLLER AND CABINET.

FILE NAME =	USER NAME = #USER#	DESIGNED - TCM	REVISED -
#FILES#		DRAWN - TCM	REVISED -
		CHECKED - DMS	REVISED -
		DATE - 05/18/17	REVISED -

**KLOA**  
Kenig, Lindgren, O'Hara, Aboona, Inc.

9575 West Higgins Road, Suite 400  
Rosemont, Illinois 60018  
P: (847) 518-9990 F: (847) 518-9987  
PROJECT # 17-071

TRAFFIC SIGNAL MODIFICATION PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25TH AVENUE AND HARRISON STREET				COOK	13	11
SCALE: 1"=20'		SHEET OF SHEETS		CONTRACT NO.		
		STA. TO STA.		ILLINOIS FED. AID PROJECT		

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DRAWN - ECW, SFB, DMM	REVISED - 10-27-22
CHECKED -	REVISED - 10-3-22
DATE - 6-29-22	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

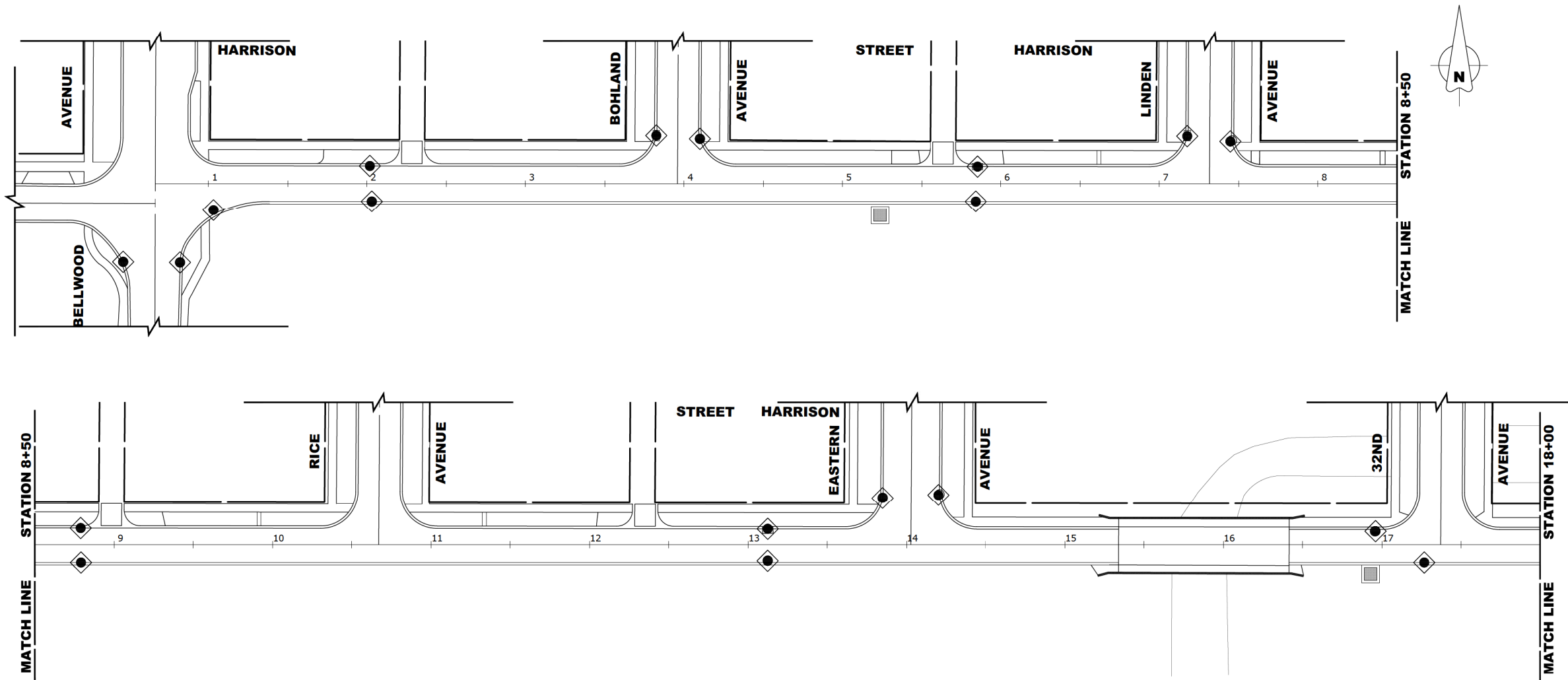
**DETECTOR LOOP REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	16
BD600-03 (BD-8)		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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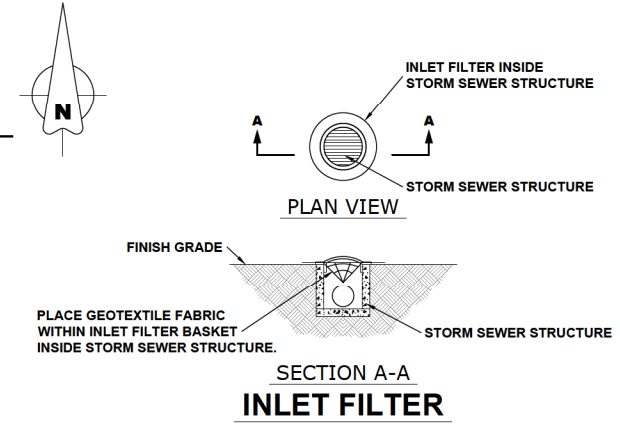




**LEGEND**

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



**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.

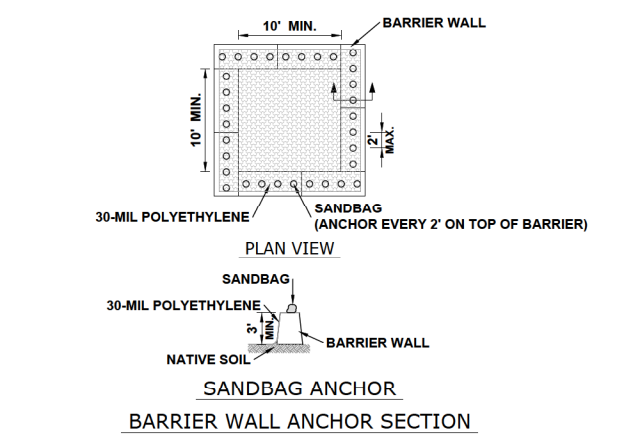
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MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE REPLACING DAMAGED LINER, DISPOSING OF SOLIDIFIED CONCRETE WASHOUT, AND REMOVAL OF ANY DISCHARGES WITHIN 24 HOURS.

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.

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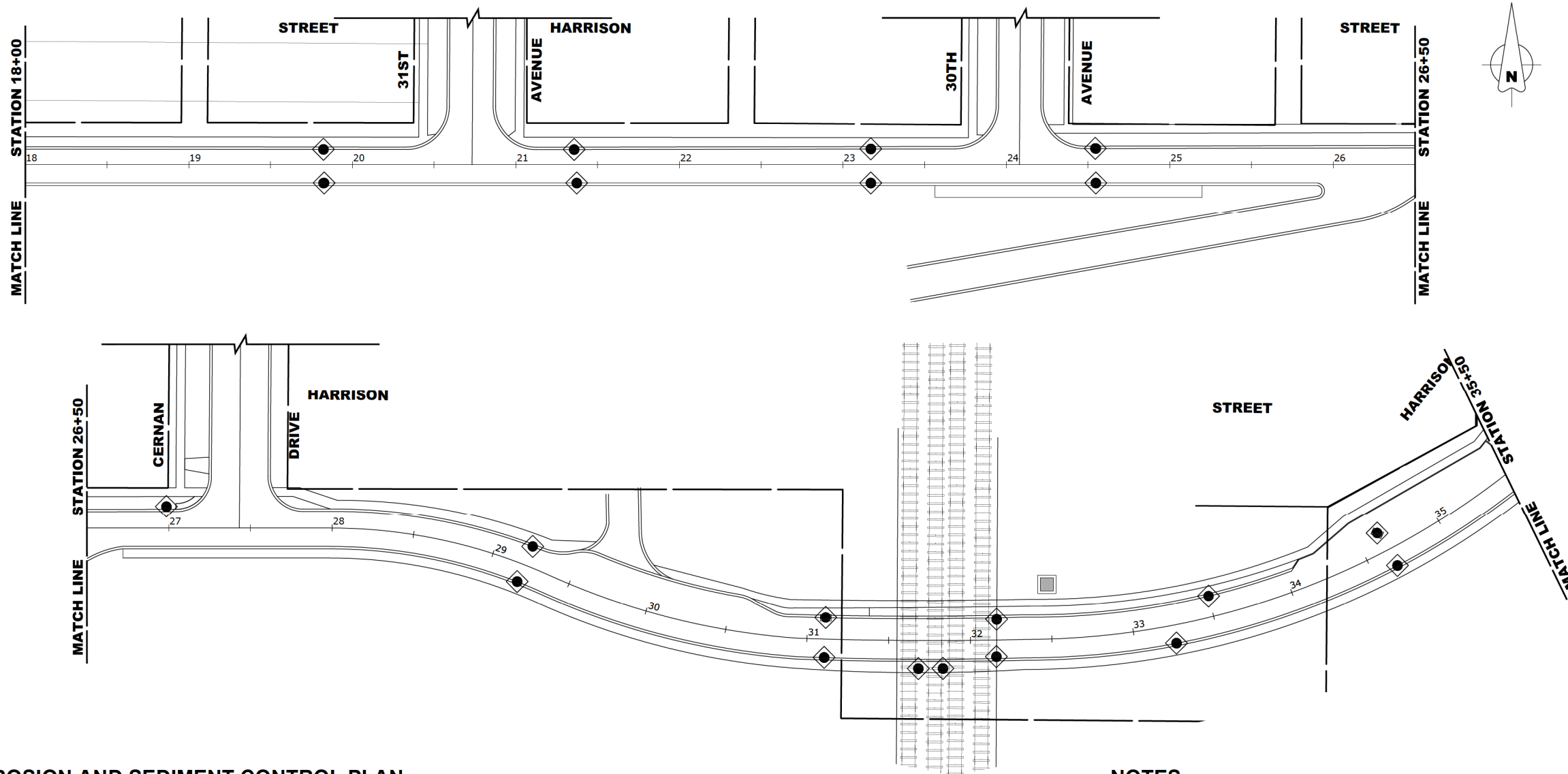
DESIGNED	- -	REVISED	- -
DRAWN	ECW, SFB, DMM	REVISED	10-27-22
CHECKED	- -	REVISED	10-3-22
DATE	6-29-22	REVISED	- -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**  
 SCALE: 1" = 40'  
 SHEET NO. 1 OF 3 SHEETS  
 STA. 0+13 TO STA. 18+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	17
CONTRACT NO. 61J20			FED. AID PROJECT	

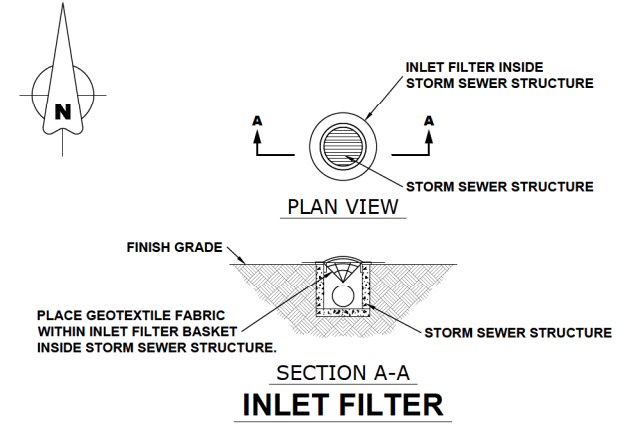
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**LEGEND**

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



**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.

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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.

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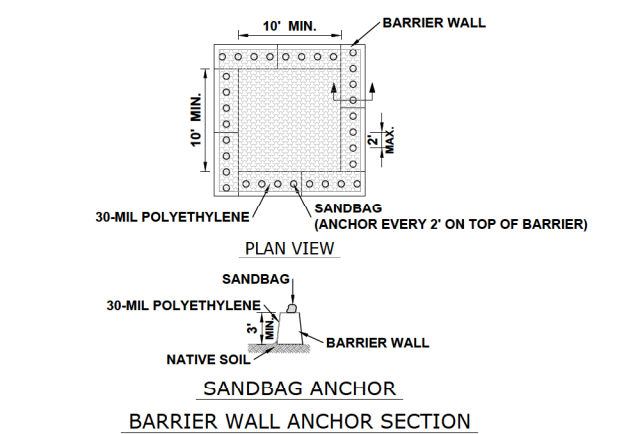
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**NOTES**

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**NOTES**

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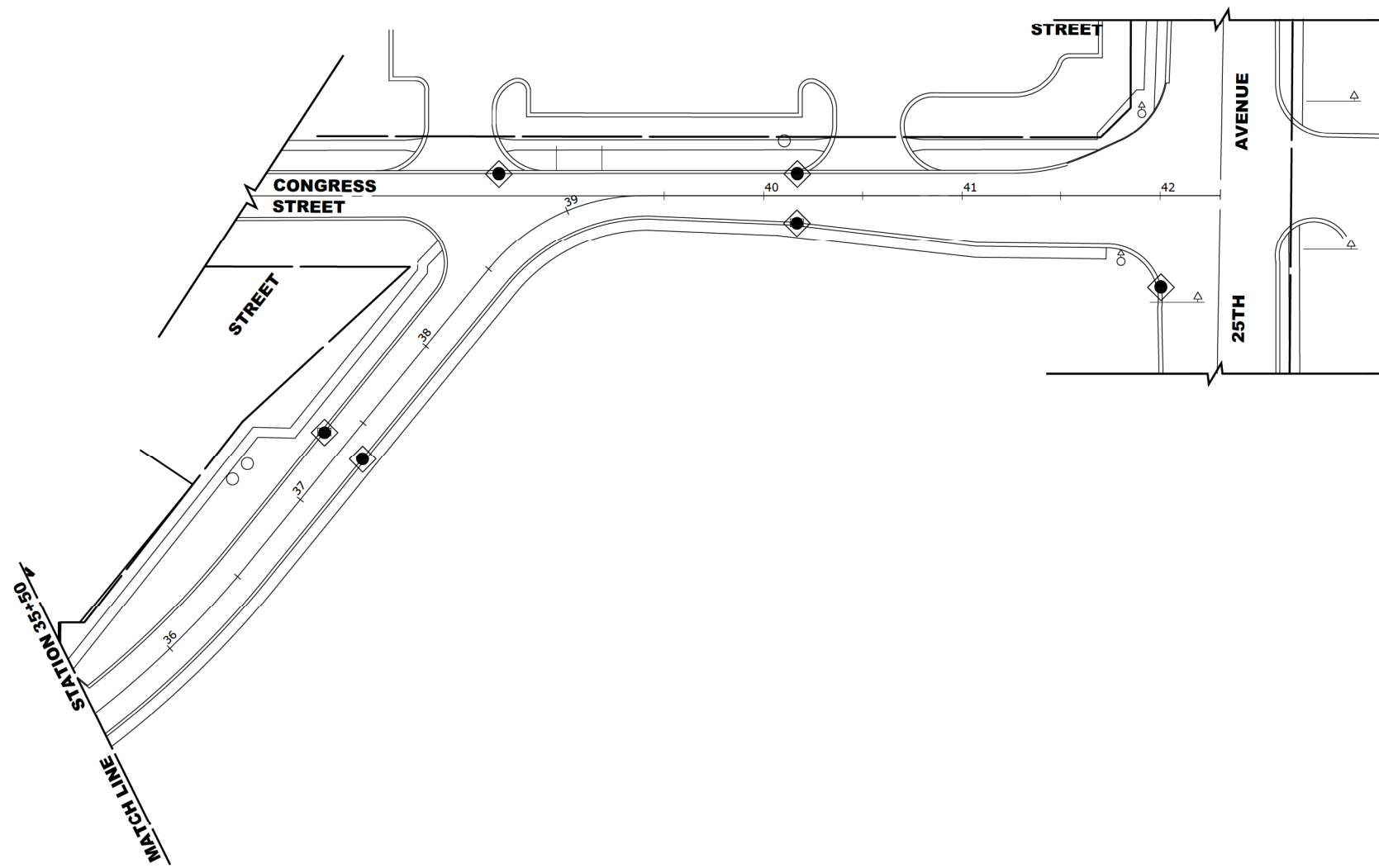
DESIGNED	- -	REVISED	- -
DRAWN	ECW, SFB, DMM	REVISED	10-27-22
CHECKED	- -	REVISED	10-3-22
DATE	6-29-22	REVISED	- -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**  
 SCALE: 1" = 40'  
 SHEET NO. 2 OF 3 SHEETS  
 STA. 18+00 TO STA. 35+50

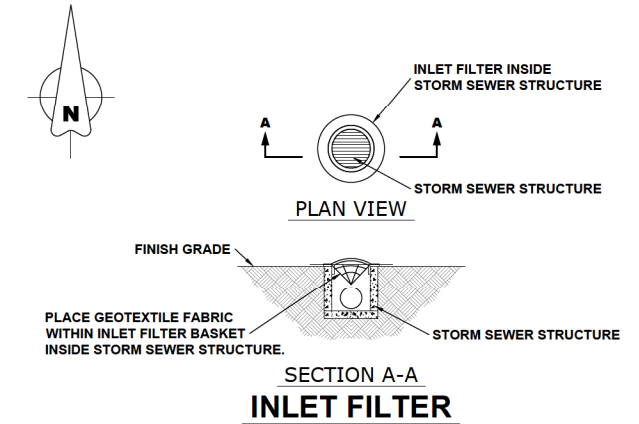
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	18
CONTRACT NO. 61J20				FED. AID PROJECT

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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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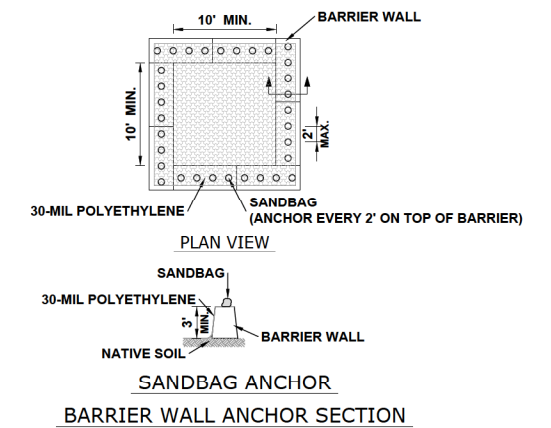
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DESIGNED	ECW, SFB, DMM	REVISED	
DRAWN		REVISED	10-27-22
CHECKED		REVISED	10-3-22
DATE	6-29-22	REVISED	

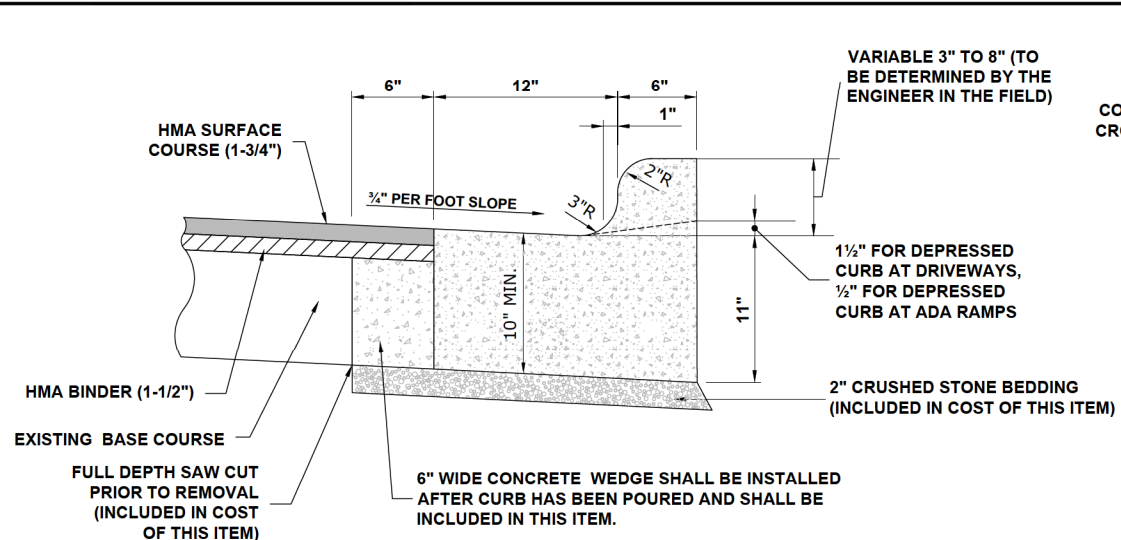
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

### EROSION CONTROL PLAN

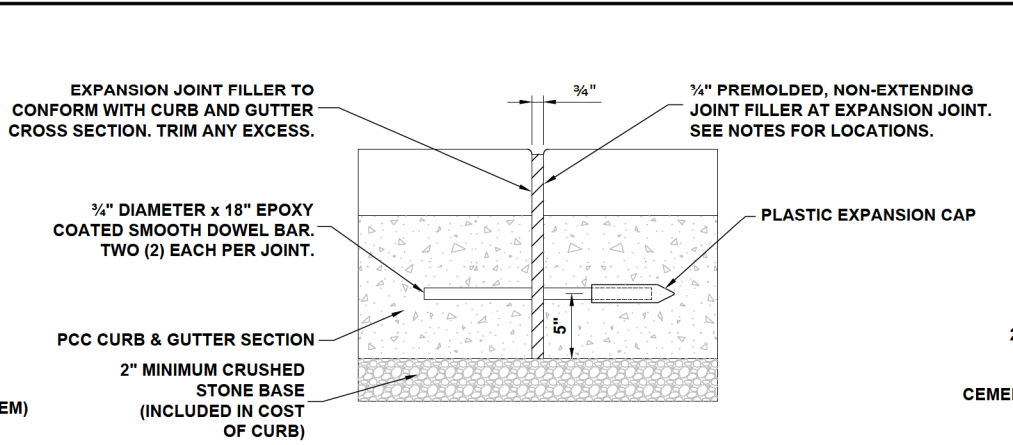
SCALE: 1" = 40' SHEET NO. 3 OF 3 SHEETS STA. 35+50 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	19
CONTRACT NO. 61J20				FED. AID PROJECT

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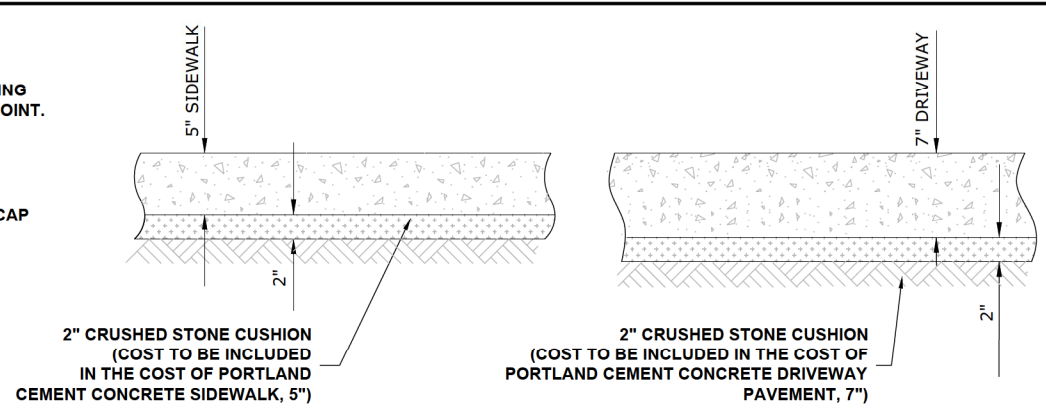


**COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)**

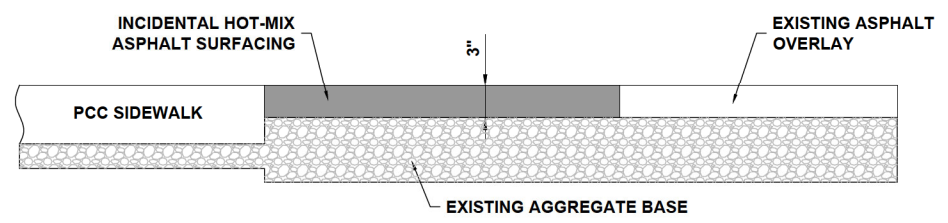


**TYPICAL CURB AND GUTTER EXPANSION JOINT**

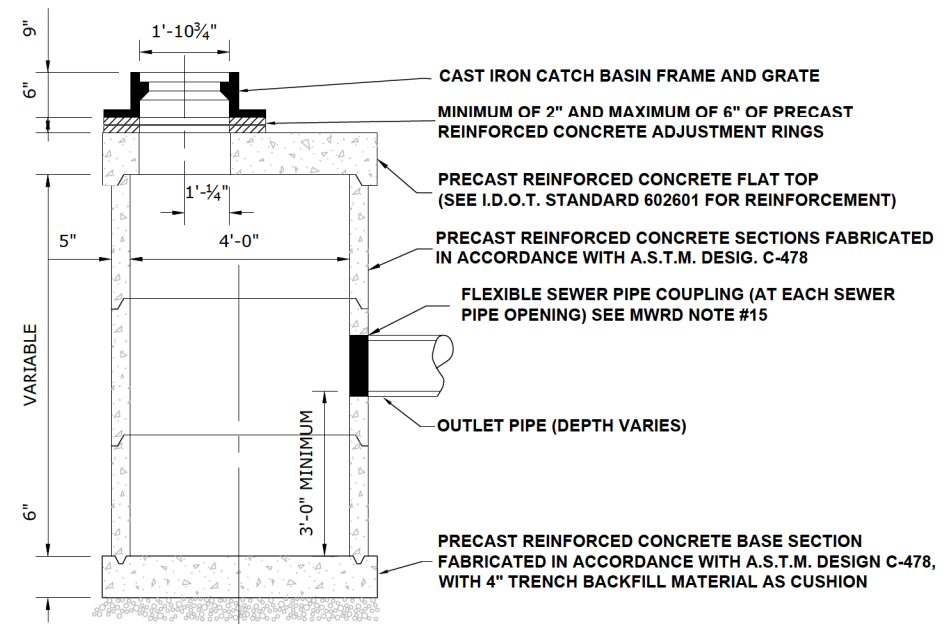
NOTE:  
1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S & PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS, CONSTRUCTION JOINTS, EVERY 60' ON TANGENT SECTIONS, AND AS DIRECTED BY THE ENGINEER.



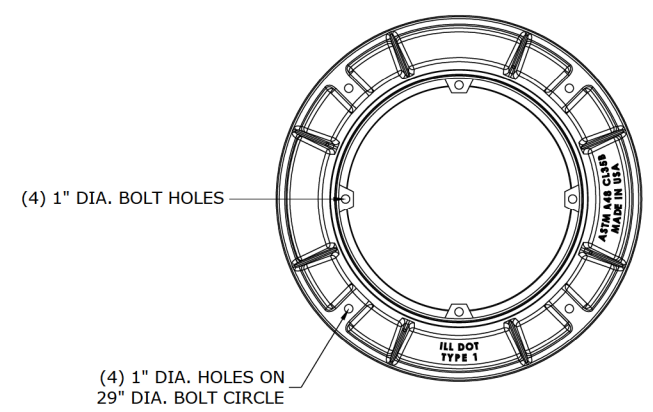
**TYPICAL P.C.C. SIDEWALK & DRIVEWAY**



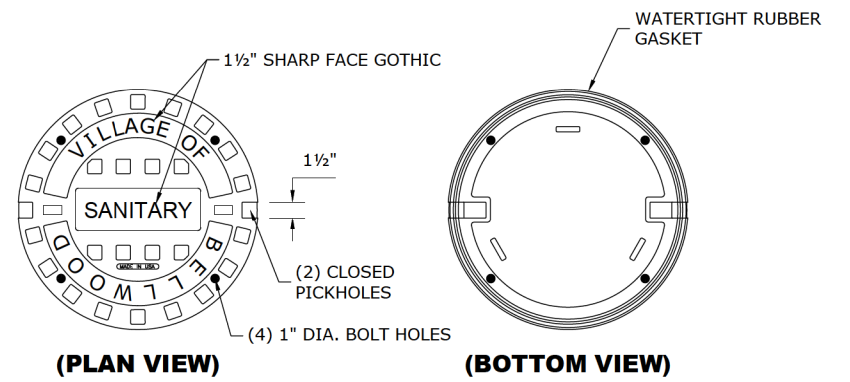
**INCIDENTAL HOT-MIX ASPHALT SURFACE**



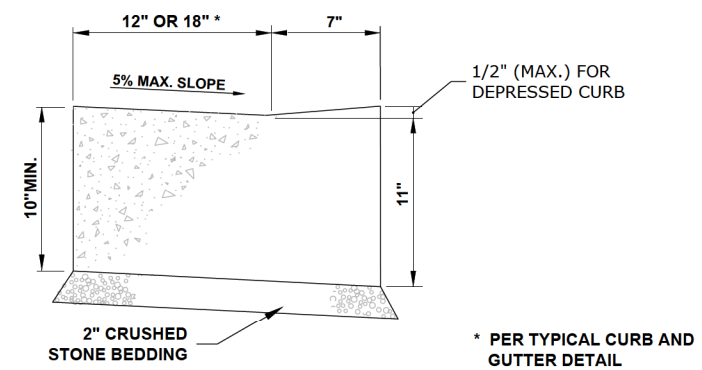
**RESTRICTED DEPTH CATCH BASIN**



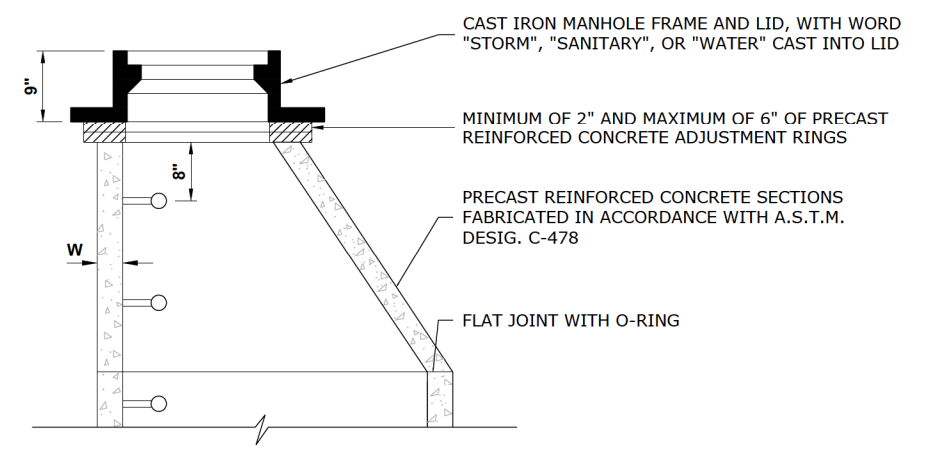
**WATERTIGHT BOLT DOWN FRAME AND LID**



**(PLAN VIEW) (BOTTOM VIEW)**



**CURB AND GUTTER AT A.D.A. RAMPS**



**STRUCTURE RECONSTRUCTION**

Drawing file: W:\Projects\_by\_Village\Bellwood\08021037 - Harrison Street LAFD\Details.dwg Oct. 27, 2022 - 2:00pm

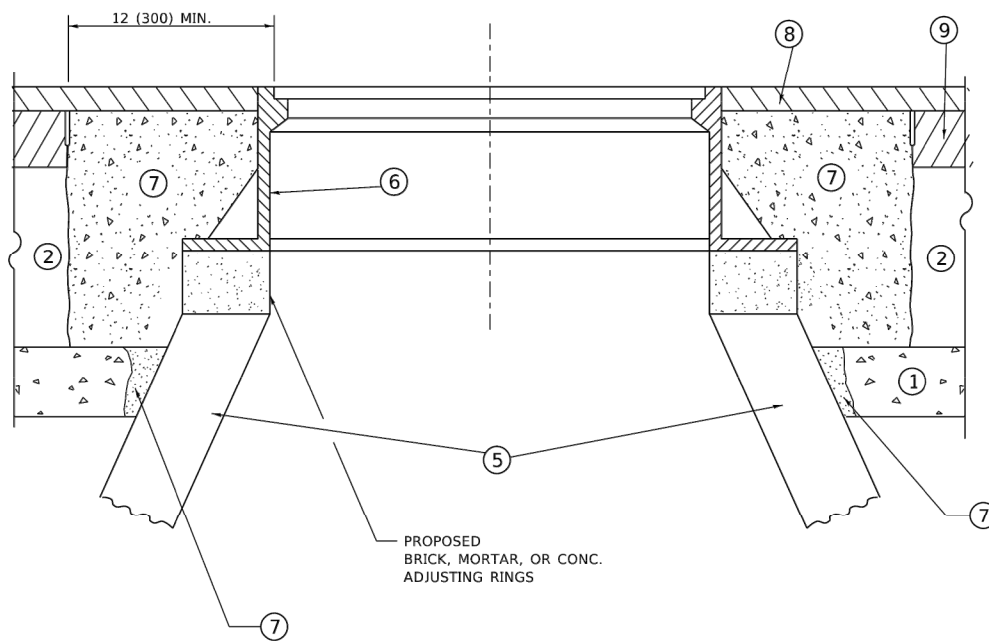
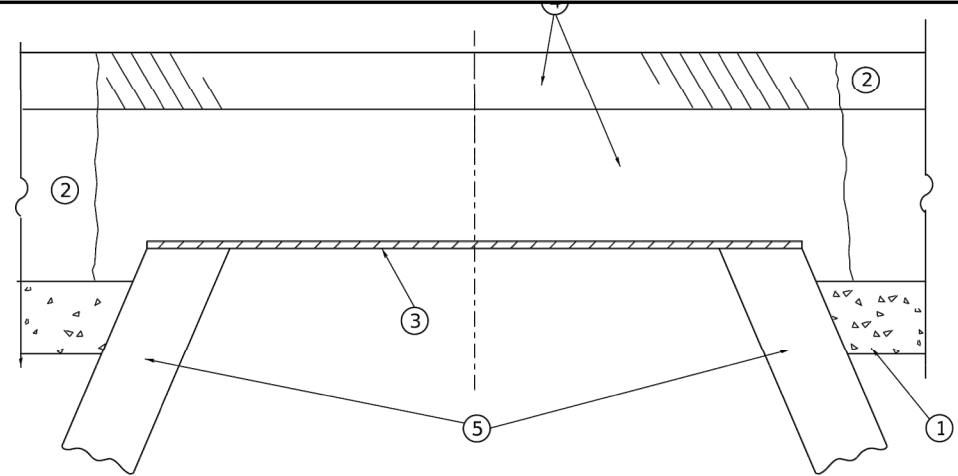
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DRAWN	ECW, SFB, DMM	REVISED	10-27-22
CHECKED	-	REVISED	10-3-22
DATE	6-29-22	REVISED	-

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**JOB SPECIFIC BELLWOOD DETAILS**  
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	20
CONTRACT NO. 61J20			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
E.H.E. PROJECT NO. 0802103701				



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

**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.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
  - INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
  - 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.
- 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

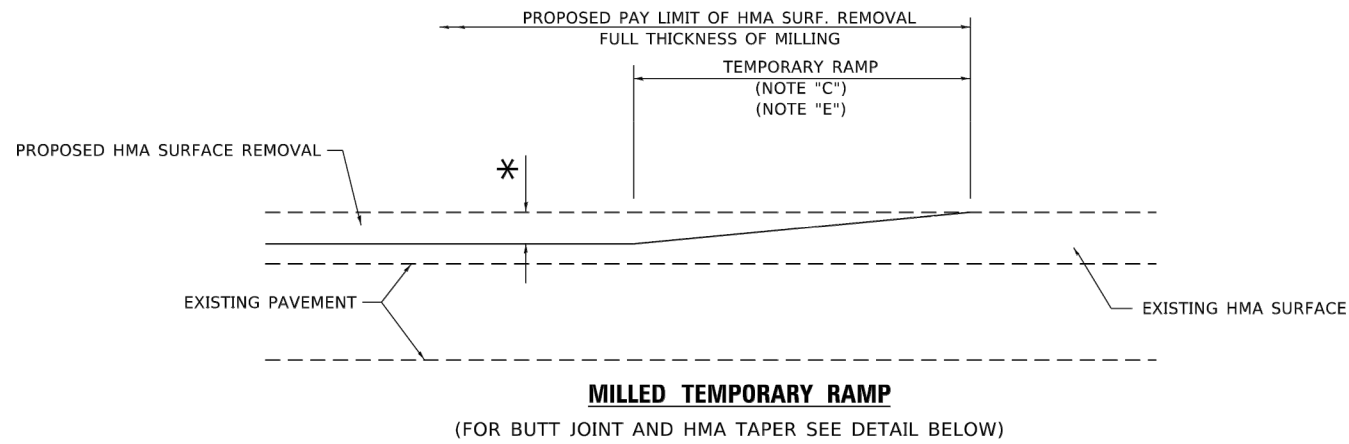
USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

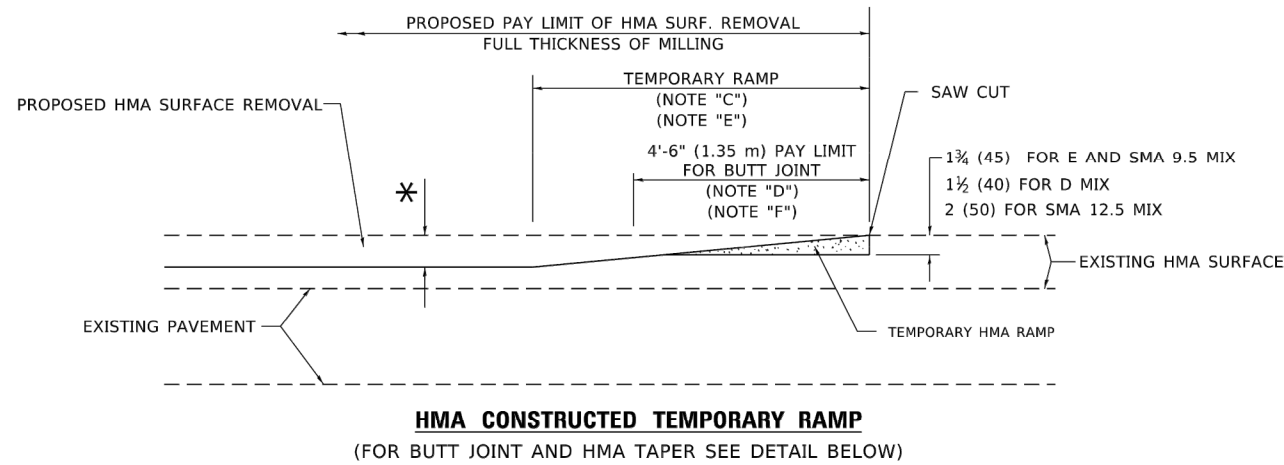
**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	21
BD600-03 (BD-8)		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

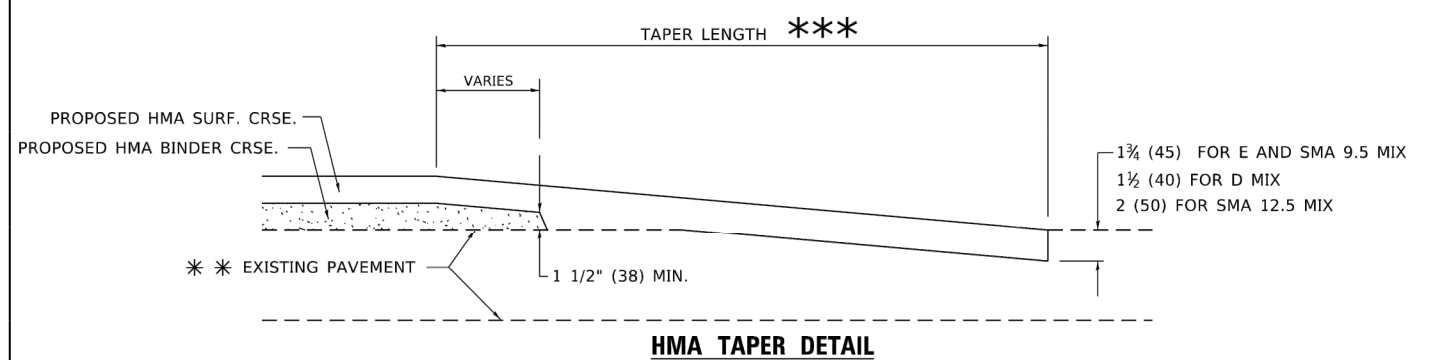
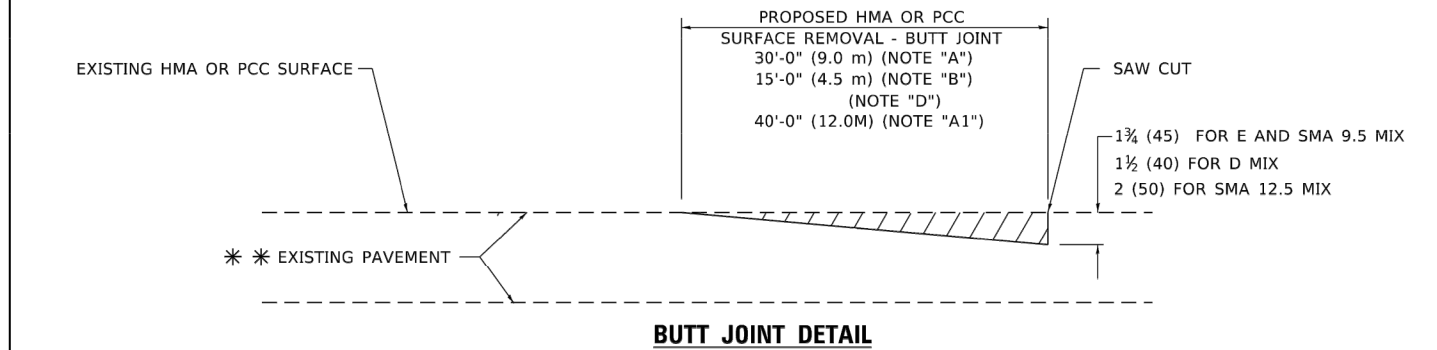


**OPTION 1**



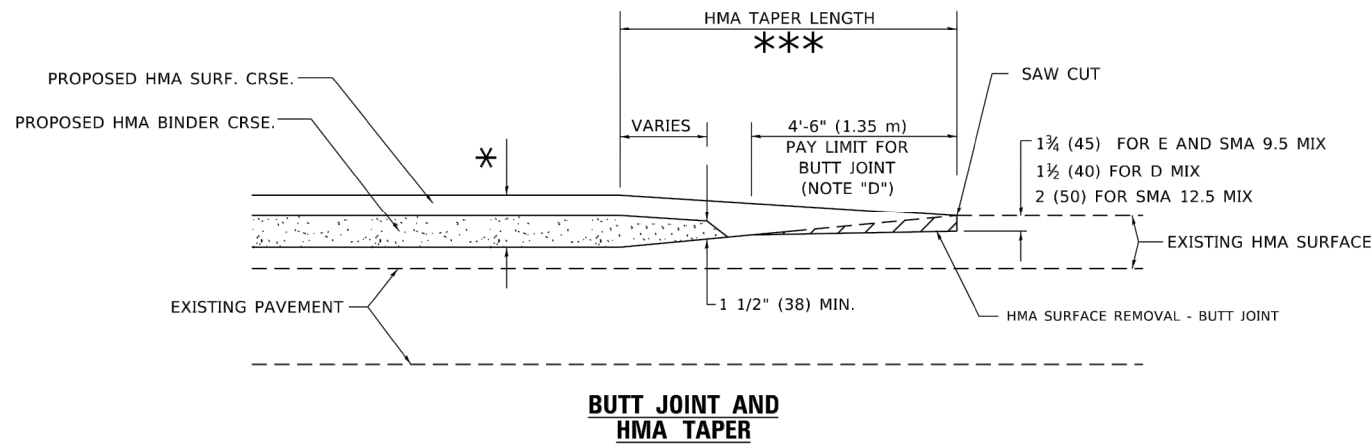
**OPTION 2**

**TYPICAL TEMPORARY RAMP**



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

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



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

**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- 1. 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".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

Drawing file: W:\Projects\_by\_Village\Bellvue\08021037 - Harrison Street LAFOD\DOT Standard.dwg Oct 27, 2022 - 2:00pm

USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

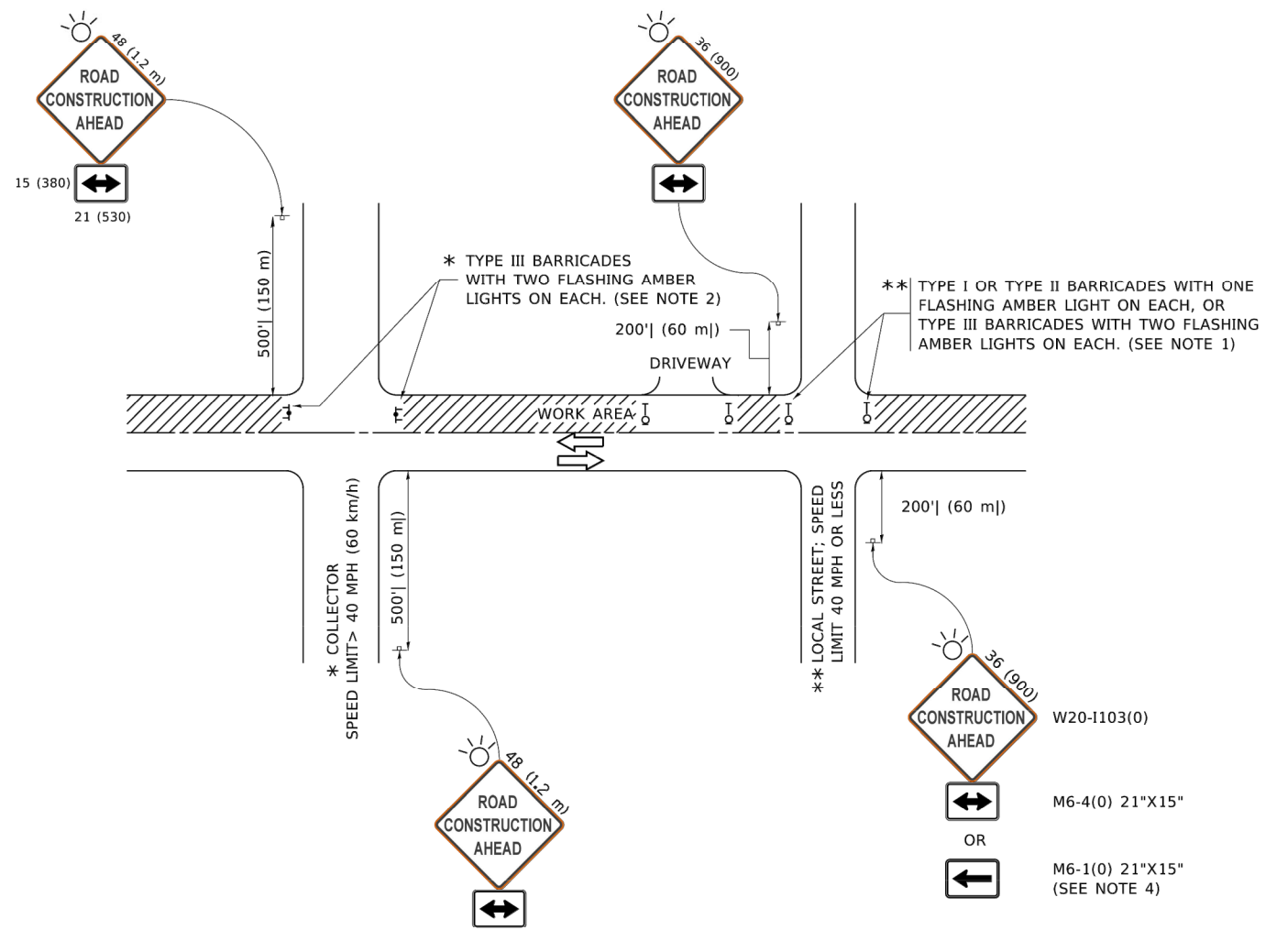
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	22
BD400-05 BD32		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

E.H.E. PROJECT NO. 0802103701

Drawing file: W:\Projects\_by\_Village\Bellvue\08021037 - Harrison Street LAFD\DOT Standard.dwg Oct 27, 2022 - 2:00pm



**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) 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. 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.

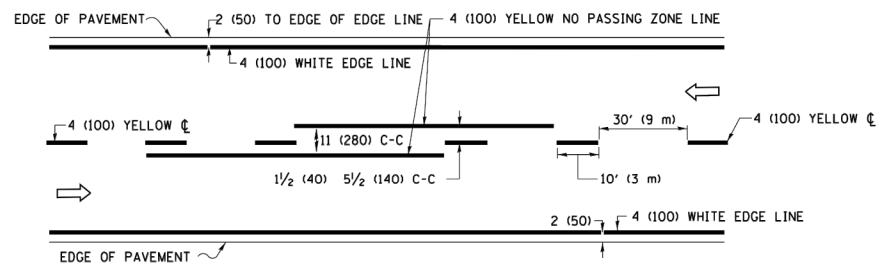
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

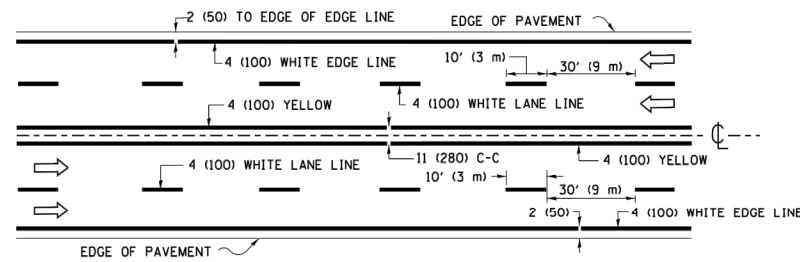
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

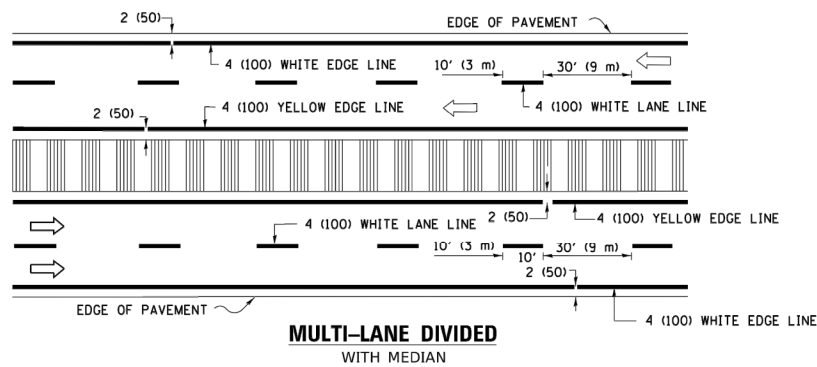
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	23
TC-10		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

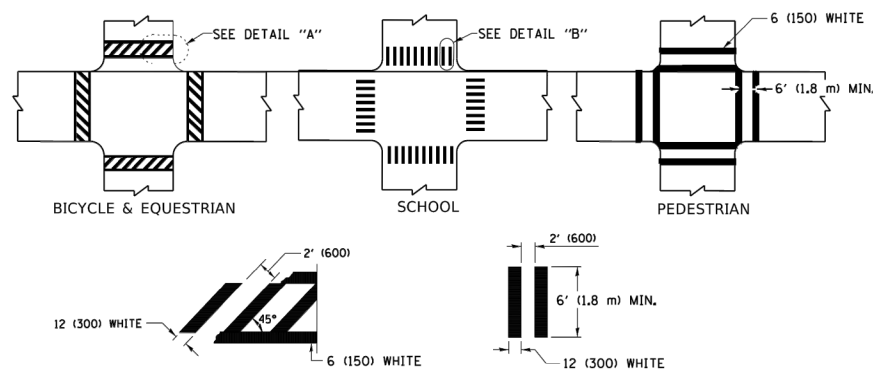


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

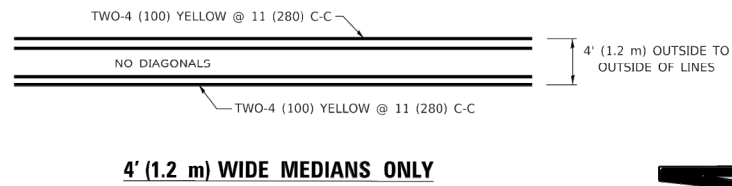


**DETAIL "A"**

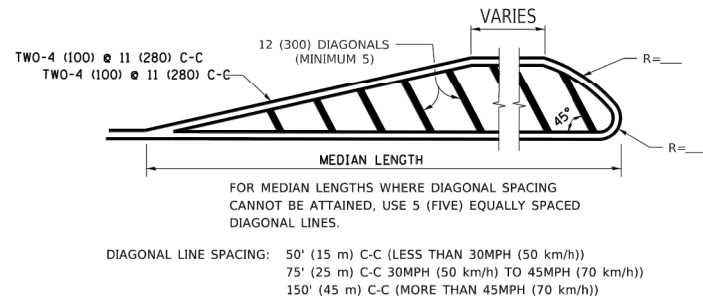
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

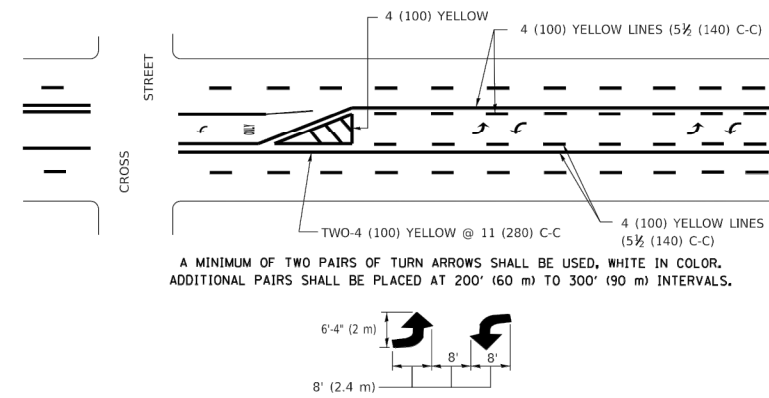
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



**4' (1.2 m) WIDE MEDIANS ONLY**

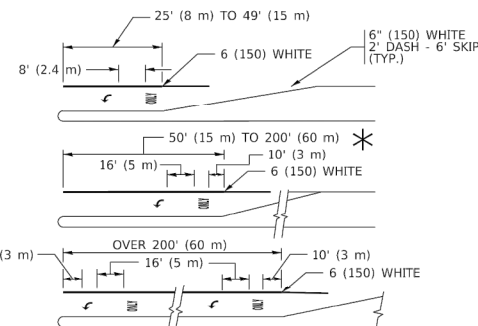


**MEDIANS OVER 4' (1.2 m) WIDE**



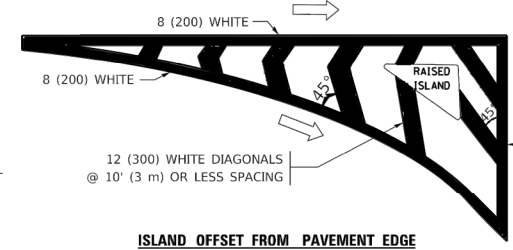
**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

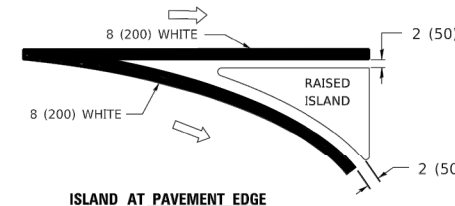


**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

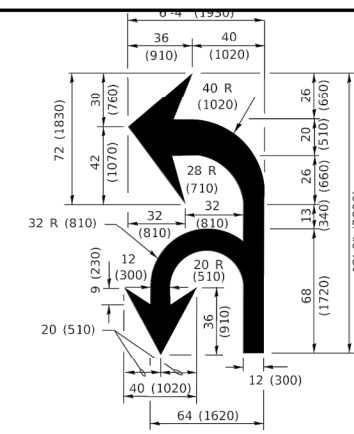


**ISLAND OFFSET FROM PAVEMENT EDGE**

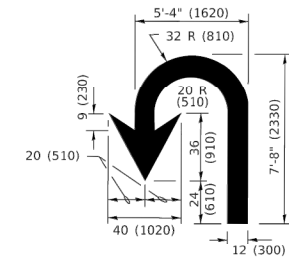


**ISLAND AT PAVEMENT EDGE**

**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 1/2 (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 1/2 (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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

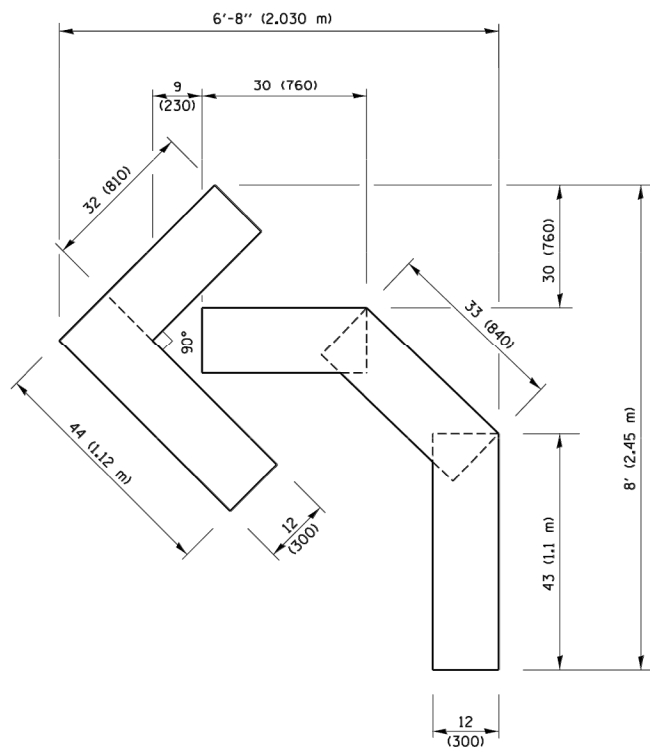
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

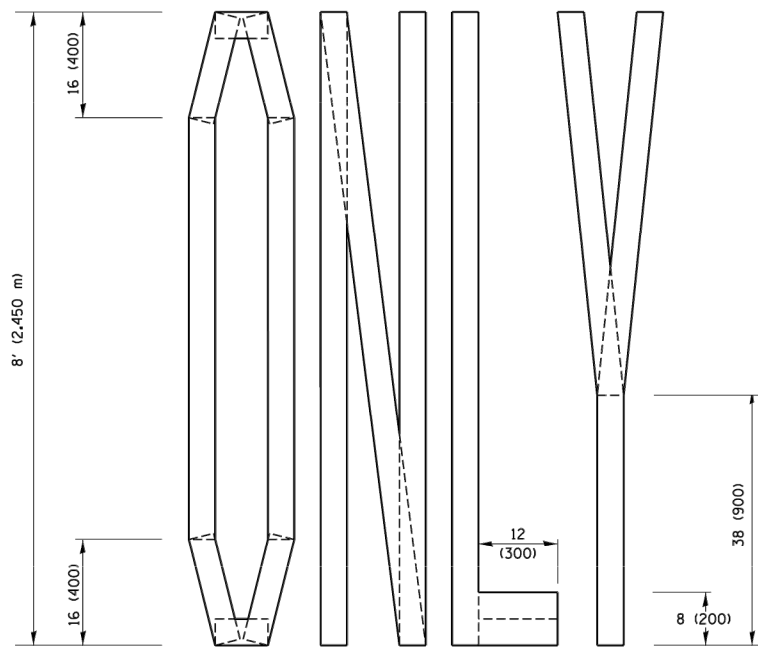
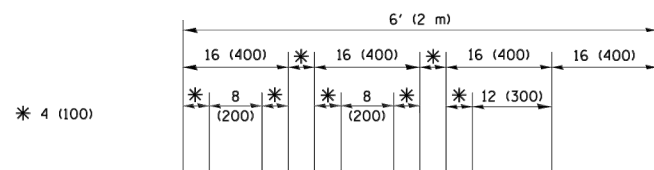
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	24
TC-13		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





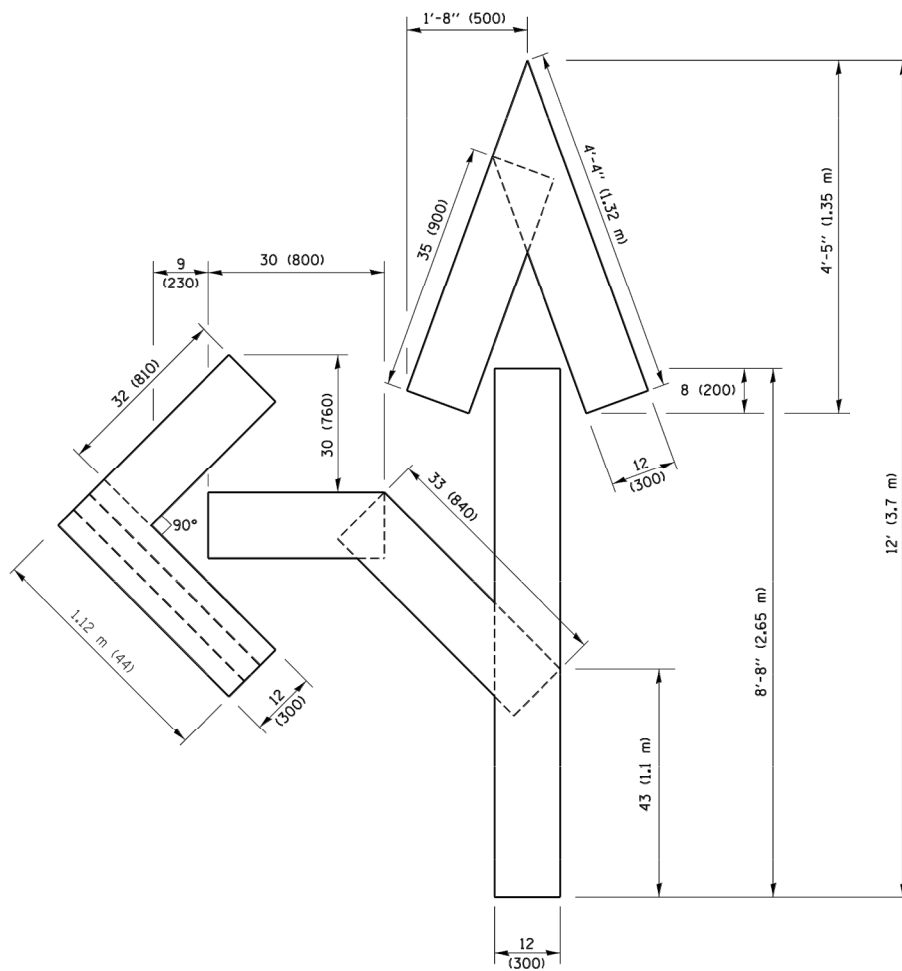
**QUANTITY**

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)

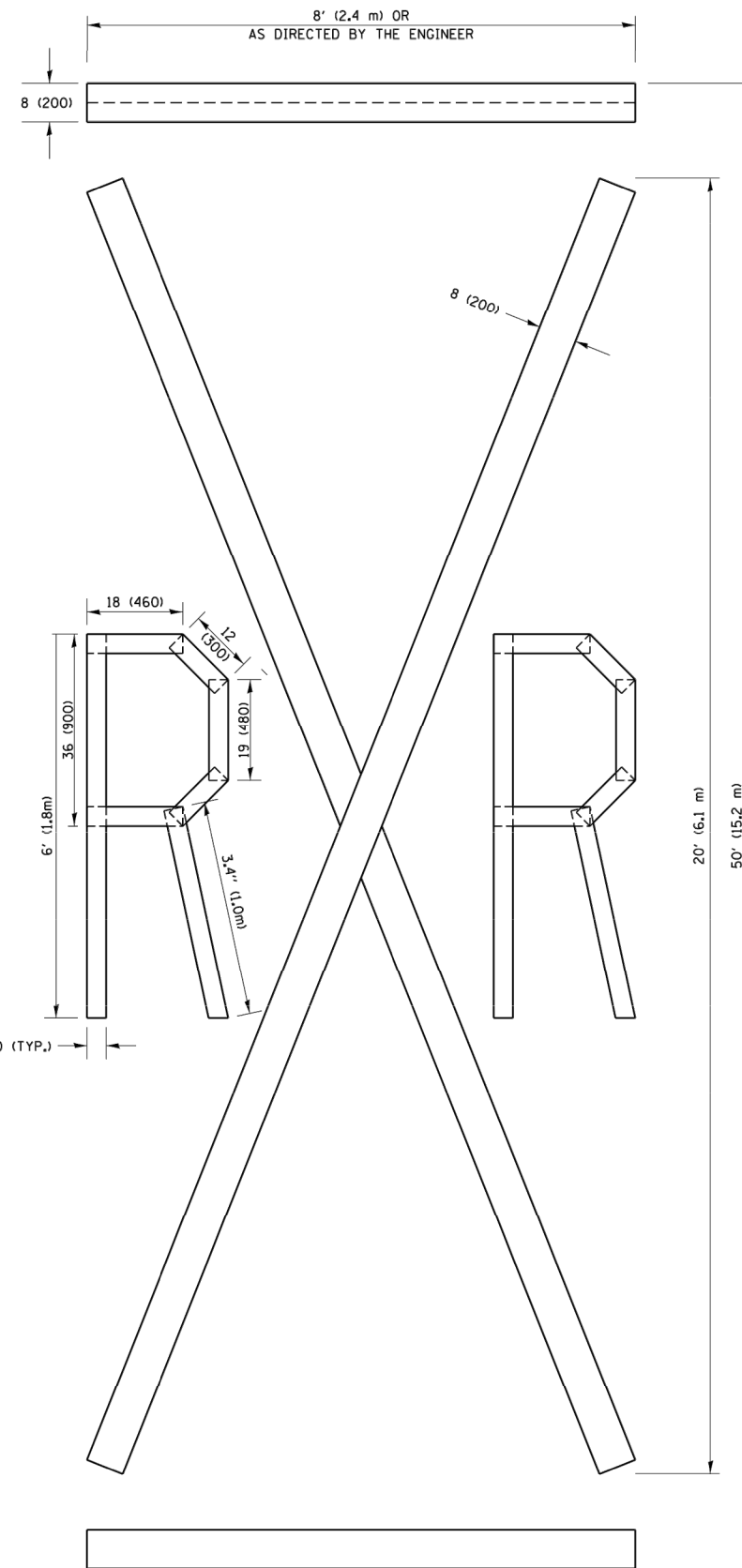


**QUANTITY**

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\Bellwood\08021037 - Harrison Street LAFD\DOT Standard.dwg Oct 27, 2022 - 2:00pm

FILE NAME =	USER NAME = Footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\VIL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\Dist	DRAWN\CADDData\CADsheets\tcl6.dgn	CHECKED -	REVISED - E. GOMEZ 08-28-00
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**

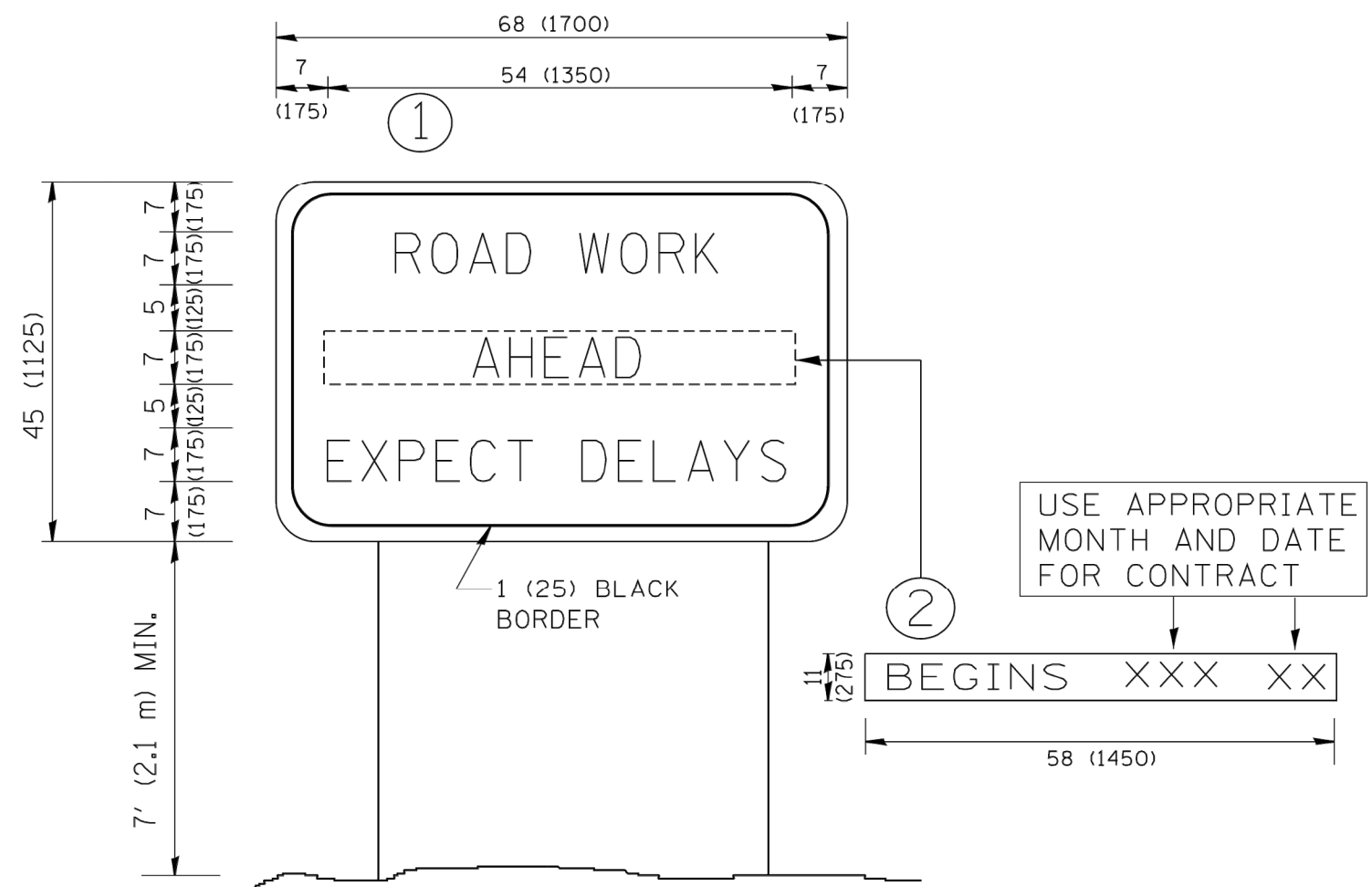
**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0290	21-00148-21-RS	COOK	26	25
TC-16		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 0802103701

Drawing file: W:\Projects\_by\_Village\Bellwood\08021037 - Harrison Street LAFD\DOT Standard.dwg Oct 27, 2022 - 2:00pm



**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\tc22.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**

<b>ARTERIAL ROAD INFORMATION SIGN</b>			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE. 0290	SECTION 21-00148-21-RS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 26
TC-22		CONTRACT NO. 61J20		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		