

FOR INDEX OF SHEETS, SEE SHEET NO. 2 11-06-2020 LETTING ITEM 069  
 FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45 1110	16-00315-00-BR	KANE	44	1
FED. ROAD DIST. NO 1 ILLINOIS		CONTRACT NO. 61G75		

**TRAFFIC DATA**

ADT: 2020 TRAFFIC  
 MONTGOMERY ROAD 13 100 VPD

**ROADWAY SPEED POSTED DESIGN SPEED**

MONTGOMERY ROAD 35 MPH 40 MPH

**DESIGN DESIGNATION**

MONTGOMERY ROAD - MUNICIPAL

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

## MONTGOMERY ROAD OVER WAUBONSIE CREEK SECTION 16-00315-00-BR PROJECT HIXN (526) BRIDGE SUPERSTRUCTURE REPLACEMENT KANE COUNTY

C-91-393-16

PROJECT LOCATION MAP  
 KANE COUNTY, ILLINOIS  
 N.T.S.



**PROFESSIONAL ENGINEER'S SIGN & SEAL**  
 APPLIES TO SHEETS: 1 - 21 & 42 - 44

JEFFREY J. STRZALKA, P.E.  
 EXPIRES: 11-30-21

**STRUCTURAL ENGINEER'S SIGN & SEAL**  
 APPLIES TO SHEETS: 22 - 34

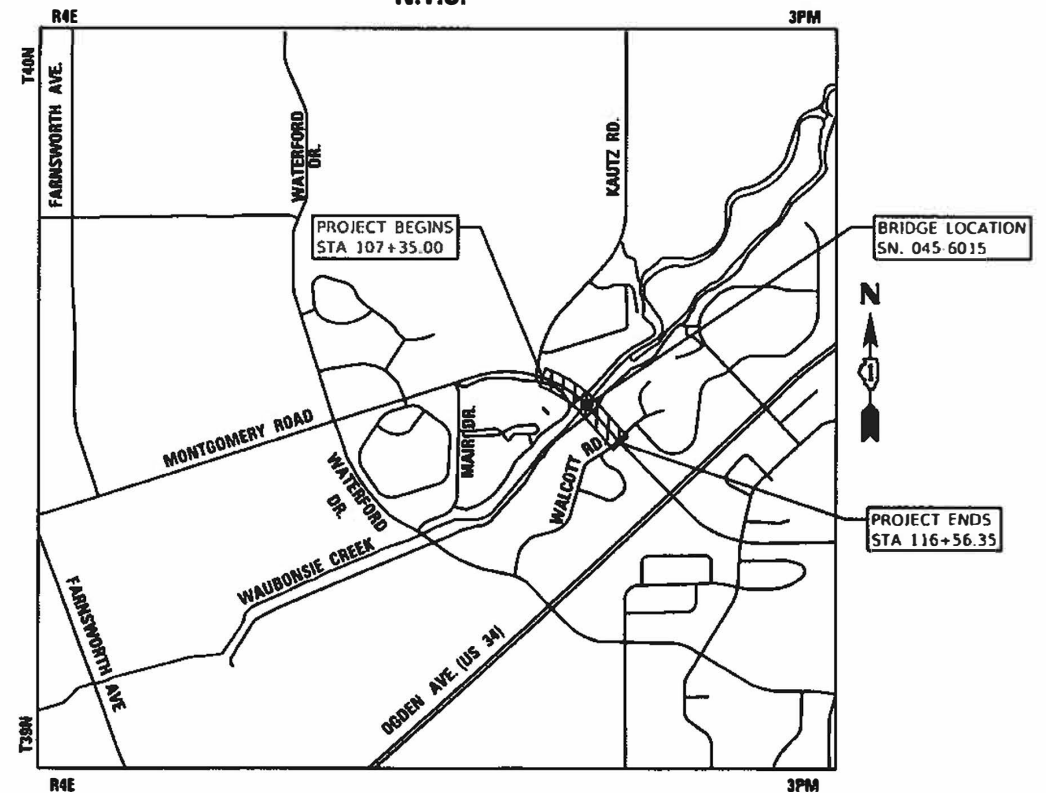
ANDREW E. UNDERWAGER, S.E.  
 EXPIRES: 11-30-20

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



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.

420 NORTH FRONT STREET, SUITE 100 | MCHENRY, ILLINOIS 60050  
 Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com  
 ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322



**PROJECT LENGTH**  
 NET AND GROSS LENGTH OF PROJECT = 921 FT. = 0.17 MILES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED July 27 2020  
*Tracy V. [Signature]*  
 CITY OF AURORA

PASSED Aug 20 2020  
*[Signature]*  
 DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
 BASED ON LIMITED REVIEW August 20 2020  
*[Signature]*  
 REGIONAL ENGINEER

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

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

PROJECT ENGINEER: JASON WHYTE  
 PROJECT MANAGER: JEFF STRZALKA  
 CONTRACT NO. 61G75

**INDEX OF SHEETS**

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**STATE STANDARDS**

<u>STANDARD NO.</u>	<u>LIST OF DESCRIPTION</u>
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
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PPE UNDERDRAIN
602001-02	CATCH BASIN TYPE A
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604051-04	FRAME AND GRATE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS

**DISTRICT ONE DETAILS**

<u>STANDARD NO.</u>	<u>LIST OF DESCRIPTION</u>
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN

HRG PROJECT NO. 180077  
 HRG PROJ. CONTACT:  
 FILE NUMBER: 180077-SP1-Gen04.dgn  
 PEN TABLE: p18.tbl  
 PEN TABLE: p18.tbl



USER NAME = whoad	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS  
AND DISTRICT ONE DETAILS  
MONTGOMERY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G75	



**GENERAL NOTES**

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2020.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT AND AT THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY PROPERTY WITHOUT WRITTEN CONSENT FROM THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING PRIME COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS, AND ALL LOOSE MATERIAL.
- PEDESTRIAN ACCESS TO WAUBONSIE CREEK TRAIL DETOUR SHALL BE MAINTAINED DURING EACH STAGE OF CONSTRUCTION.

**STORM SEWERS, WATER MAINS, AND UTILITIES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL COOPERATE WITH THE CITY IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE CITY WITHIN THE DURATION OF THE CONTRACT.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS, OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO THE USE OF THE WATER.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

**SIGNING AND STRIPING**

- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- ANY SIGNS THAT ARE GOING TO BE DISTURBED DURING CONSTRUCTION MUST BE APPROPRIATELY STORED AND PROTECTED OR RETURNED TO THE OWNERS OF THE SIGN FOR STORAGE. THE SIGNS WILL BE RE-ERECTED UPON COMPLETION.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
- SEE IDOT STANDARD DETAIL 780001. DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE WORK IS COMPLETED.

**BACKFILL**

- STORM SEWER AND PIPE CULVERTS SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER AND PIPE CULVERTS HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.
- TRENCH BACKFILL MATERIAL SHALL CONSIST OF CA-6 CRUSHED STONE OR CRUSHED AGGREGATE.

**SEDIMENTATION AND EROSION CONTROL**

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY AND PERMANENT MEASURES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET SHALL BE APPLIED ON ALL DISTURBED AREAS IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF THE ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE IN ACCORDANCE WITH SECTIONS 250 AND 280 OF THE STANDARD SPECIFICATIONS.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED AS DIRECTED BY THE ENGINEER.
- ANY 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 OR AS DIRECTED BY THE ENGINEER AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES. IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- THE EROSION CONTROL MEASURES INDICATED IN THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

**TRAFFIC CONTROL**

- A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS.
- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.
- THE CONTRACTOR MUST CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

**PAVING**

- THE CONTRACTOR WILL COMPLETE PAVING OPERATIONS OF THE HOT-MIX ASPHALT SURFACE IN A MANNER SO THAT NO LONGITUDINAL CONSTRUCTION JOINTS ARE LEFT UNCOVERED AT THE END OF EACH DAY.
- TRANSVERSE CONSTRUCTION JOINTS WILL BE ALLOWED DURING PAVING PROVIDED THE CONTRACTOR COMPLETE A SAWCUT AT LEAST SIX INCHES INTO THE ADJACENT MAT AT THE START OF PAVING THE FOLLOWING DAY.

**LANDSCAPING**

- ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

**SEQUENCE OF CONSTRUCTION**

**PRE-STAGE**

**CONSTRUCTION**

- INSTALL EROSION CONTROL MEASURES.
- CONSTRUCT TEMPORARY TRAIL BETWEEN BRIDGE AND WALCOT ROAD WHERE SHOWN ON PLANS.
- PREPARE THE ROADWAYS, INTERSECTIONS, AND WAUBONSIE CREEK TRAIL FOR STAGE 1 CONSTRUCTION. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS. SEE WAUBONSIE TRAIL DETOUR PLAN FOR PEDESTRIAN DETOUR LOCATIONS.
- CONSTRUCT TEMPORARY PAVEMENT AT LOCATIONS SHOWN IN THE PLANS.

- REMOVE CONFLICTING CURB AND GUTTER LOCATIONS. REMOVE CONFLICTING BOLLARDS. REMOVE CONFLICTING PEDESTRIAN SIGNALS AND SIGNAGE (TO BE SALVAGED, PROTECTED AND REINSTALLED LATER).
- REMOVE ALL EXISTING RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS IN CONFLICT WITH MAINTENANCE OF TRAFFIC.
- INSTALL DRAINAGE ELEMENTS TO MAINTAIN DITCH FLOW TO CREEK. PROVIDE TEMPORARY SWALES/DITCHES TO MAINTAIN DRAINAGE. INSTALL/ADJUST STORM SEWER AS NECESSARY TO PROVIDE OUTLETS IN TEMPORARY CONDITION.

**MAINTENANCE OF TRAFFIC**

- A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.
- TRAFFIC WILL BE SHIFTED FOR PRE-STAGE CONSTRUCTION ACTIVITIES AND WILL UTILIZE EXISTING PAVEMENT.

**STAGE 1**

**CONSTRUCTION**

- INSTALL STAGE 1 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS.
- DETOUR WAUBONSIE CREEK TRAIL FOR PEDESTRIAN TRAFFIC.
- CONSTRUCT THE SUPERSTRUCTURE REPLACEMENT, SUBSTRUCTURE REPAIRS, STORM SEWER AND DRAINAGE STRUCTURES, CURB AND GUTTER WITHIN THE WORK ZONE FOR STAGE 1 AT LOCATIONS SHOWN. CONSTRUCT THE PROPOSED PAVEMENT. DO NOT INSTALL SIDEWALK OR PERMANENT BRIDGE PARAPET WITH RAILING ON BRIDGE UNTIL LATER STAGE.
- INSTALL TEMPORARY RAILING AT LOCATIONS SHOWN ON THE BRIDGE.

**MAINTENANCE OF TRAFFIC**

- A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.
- TRAFFIC WILL BE SHIFTED FOR STAGE 1 CONSTRUCTION AND WILL UTILIZE EXISTING PAVEMENT AND TEMPORARY PAVEMENT.

**STAGE 2**

**CONSTRUCTION**

- INSTALL STAGE 2 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS.
- DETOUR WAUBONSIE CREEK TRAIL FOR PEDESTRIAN TRAFFIC.
- CONSTRUCT THE SUPERSTRUCTURE REPLACEMENT, SUBSTRUCTURE REPAIRS, STORM SEWER AND DRAINAGE STRUCTURES, CURB AND GUTTER WITHIN THE WORK ZONE FOR STAGE 2 AT LOCATIONS SHOWN. CONSTRUCT THE PROPOSED PAVEMENT. INSTALL SIDEWALK AND PERMANENT BRIDGE PARAPET WITH RAILING IN THE STAGE 2 LOCATION ON BRIDGE.

**MAINTENANCE OF TRAFFIC**

- A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.
- TRAFFIC WILL BE SHIFTED FOR STAGE 2 CONSTRUCTION AND WILL UTILIZE NEWLY CONSTRUCTED PAVEMENT AND TEMPORARY PAVEMENT.

**STAGE 3**

**CONSTRUCTION**

- INSTALL STAGE 3 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS.
- MAINTAIN PEDESTRIAN ACCESS TO WAUBONSIE CREEK TRAIL DETOUR.
- INSTALL SIDEWALK AND PERMANENT BRIDGE PARAPET WITH RAILING IN THE STAGE 3 LOCATION ON BRIDGE.
- INSTALL WAUBONSIE CREEK TRAIL APPROACH PAVEMENT WHERE SHOWN ON PLANS.
- INSTALL PEDESTRIAN SIGNALS AND SIGNAGE (SALVAGED FROM PRE-STAGE CONSTRUCTION FOR REINSTALLATION).

**MAINTENANCE OF TRAFFIC**

- A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.
- TRAFFIC WILL BE SHIFTED FOR STAGE 3 CONSTRUCTION AND WILL UTILIZE NEWLY CONSTRUCTED PAVEMENT.

**STAGE 4 (Not Illustrated)**

**CONSTRUCTION**

- COMPLETE REMAINING RESTORATION AND LANDSCAPING.
- INSTALL PERMANENT PAVEMENT MARKING AND PAVEMENT MARKERS.

HRG PROJECT NO. 160077  
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USER NAME = whoad	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES  
MONTGOMERY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G75	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP-BRIDGE	80% FED/20% LOCAL
				0013	
20101000	TEMPORARY FENCE	FOOT	201.0	201.0	
20200100	EARTH EXCAVATION	CU YD	200	200	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	195	195	
20400800	FURNISHED EXCAVATION	CU YD	67	67	
20800150	TRENCH BACKFILL	CU YD	13	13	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	2,449.0	2,449.0	
+ 25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50	
* + 25200200	SUPPLEMENTAL WATERING	UNIT	10	10	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	51	51	
28000305	TEMPORARY DITCH CHECKS	FOOT	30.0	30.0	
28000400	PERIMETER EROSION BARRIER	FOOT	1,085.0	1,085.0	
28000510	INLET FILTERS	EACH	8	8	
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	615.0	615.0	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	100.0	100.0	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	690.0	690.0	
35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SO YD	65.0	65.0	
35600704	HOT-MIX ASPHALT BASE COURSE WIDENING, 7"	SO YD	245.0	245.0	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,466	1,466	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,674	2,674	

\* SPECIAL PROVISION  
+ SPECIALTY ITEM

HRG PROJECT NO.: 180077  
 HRG PROJ. CONTACT:  
 FILE NAME: 180077\_S11\_S000.dgn  
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USER NAME = whood	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2028	DATE - 7/24/2020	REVISED -

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

SUMMARY OF QUANTITIES			
MONTGOMERY ROAD			
SCALE:	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61695	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP-BRIDGE	80% FED/20% LOCAL
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	77.0	0013	77.0
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	225		225
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	130		130
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	445		445
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	841.0		841.0
42400800	DETECTABLE WARNINGS	SO FT	180.0		180.0
44000100	PAVEMENT REMOVAL	SO YD	909.0		909.0
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SO YD	3,512.0		3,512.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	346.0		346.0
44000600	SIDEWALK REMOVAL	SO FT	425.0		425.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	63.0		63.0
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	63.0		63.0
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	63.0		63.0
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
50300225	CONCRETE STRUCTURES	CU YD	9.0		9.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	44.5		44.5
50300260	BRIDGE DECK GROOVING	SO YD	320.0		320.0
50300285	FORM LINER TEXTURED SURFACE	SO FT	378.0		378.0
50300300	PROTECTIVE COAT	SO YD	705.0		705.0

\* SPECIAL PROVISION  
+ SPECIALTY ITEM

HRG PROJECT NO.: 180077  
 HRG PROJ. CONTACT:  
 FILE NAME: 180077\_Sht\_Supp.dgn  
 PLOT DRIVER: L:\pdf\_dw.plt  
 PEN TABLET: plottbl.tbl



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	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

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

**SUMMARY OF QUANTITIES**  
**MONTGOMERY ROAD**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	5
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT			CONTRACT NO. 61675	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP-BRIDGE	80% FED/20% LOCAL
				0013	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	48.0	48.0	
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2,827.6	2,827.6	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	13,566	13,566	
50901750	PARAPET RAILING	FOOT	155.8	155.8	
51500100	NAME PLATES	EACH	1	1	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	34.0	34.0	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	10.0	10.0	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	6.0	6.0	
55100700	STORM SEWER REMOVAL 15"	FOOT	12.0	12.0	
55101200	STORM SEWER REMOVAL 24"	FOOT	6.0	6.0	
59000200	EPOXY CRACK INJECTION	FOOT	66.0	66.0	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	645.0	645.0	
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1	
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
60260100	INLETS TO BE ADJUSTED	EACH	3	3	

\* SPECIAL PROVISION  
+ SPECIALTY ITEM

HRG PROJECT NO.: #0077  
 HRG PROJ. CONTACT:  
 FILE NAME: #0077\_Sht-Spec.dgn  
 PLOT DRIVER: L...pdf\_bw.ctb  
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PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

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

SUMMARY OF QUANTITIES			
MONTGOMERY ROAD			
SCALE:	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61675	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP-BRIDGE	80% FED/20% LOCAL
60500040	REMOVING MANHOLES	EACH	2	0013	2
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,052.0		1,052.0
63200310	GUARDRAIL REMOVAL	FOOT	188.0		188.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	8		8
67100100	MOBILIZATION	L SUM	1		1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	300		300
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,295.0		1,295.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	507.0		507.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5,180.0		5,180.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	120.0		120.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	80.0		80.0
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4		4
70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2		2
+ 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37.0		37.0
+ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,514.0		3,514.0
+ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	475.0		475.0
+ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	820.0		820.0
+ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	35.0		35.0
+ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8.0		8.0
+ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2		2

\* SPECIAL PROVISION  
+ SPECIALTY ITEM

HRG PROJECT NO.: 180077  
 HRG PROJ. CONTACT:  
 FILE NAME: 180077\_Sht\_Sum.dgn  
 PLOT DRIVER: L\_Pdf\_Driver.ctb  
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	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

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

**SUMMARY OF QUANTITIES**  
**MONTGOMERY ROAD**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	7
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT			CONTRACT NO. 61275	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP-BRIDGE	80% FED/20% LOCAL
				0013	
+ A2000192	TREE, ACER X FREEMANII AUTUMN FANTASY (AUTUMN FANTASY FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2		2
+ A2002879	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	2		2
+ B2006120	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2		2
X0326806	WASHOUT BASIN	L SUM	1		1
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	490.0		490.0
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50.0		50.0
+ X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.10		0.10
+ X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.10		0.10
+ X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SO YD	300.0		300.0
+ X2511630	EROSION CONTROL BLANKET (SPECIAL)	SO YD	2,449.0		2,449.0
+ X2600012	REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY	EACH	2		2
X4400110	TEMPORARY PAVEMENT REMOVAL	SO YD	100.0		100.0
X5030290	STAINING CONCRETE STRUCTURES	SO FT	378		378
X5030304	CONCRETE WEARING SURFACE, 4"	SO YD	248.5		248.5
X5030305	CONCRETE WEARING SURFACE, 5"	SO YD	314.1		314.1
+ X5091725	BICYCLE RAILING, SPECIAL	FOOT	140.0		140.0
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1		1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	1,734.0		1,734.0

\* SPECIAL PROVISION  
+ SPECIALTY ITEM

HRG PROJECT NO.: 160077  
HRG PROJ. CONTACT:  
FILE NAME: 160077\_S11\_Spec.dgn  
PLOT DRIVER: L:\pdf\_bw.plt  
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	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
MONTGOMERY ROAD

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 161675	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP-BRIDGE	80% FED/20% LOCAL
• + X7240505	RELOCATE SIGN PANEL AND POST	EACH	1	0013	1
• Z0012134	BRIDGE DECK SCARIFICATION, 1 1/4"	SQ YD	248.5		248.5
• Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	193.0		193.0
• + Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
• + Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	105.0		105.0
• Z0062456	TEMPORARY PAVEMENT	SQ YD	100.0		100.0
Δ • Z0076600	TRAINEES	HOUR	500		500
Δ • Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500
• XX009425	TEMPORARY RAILING	FOOT	80		80

Δ CONSTRUCTION CODE 0042

\* SPECIAL PROVISION

+ SPECIALTY ITEM

HRG PROJECT NO.: 160077  
 HRG PROJ. CONTACT:  
 FILE NAME: 160077\_Sht\_Spec.dgn  
 PLOT DRIVER: L...pdf\_bw.plt  
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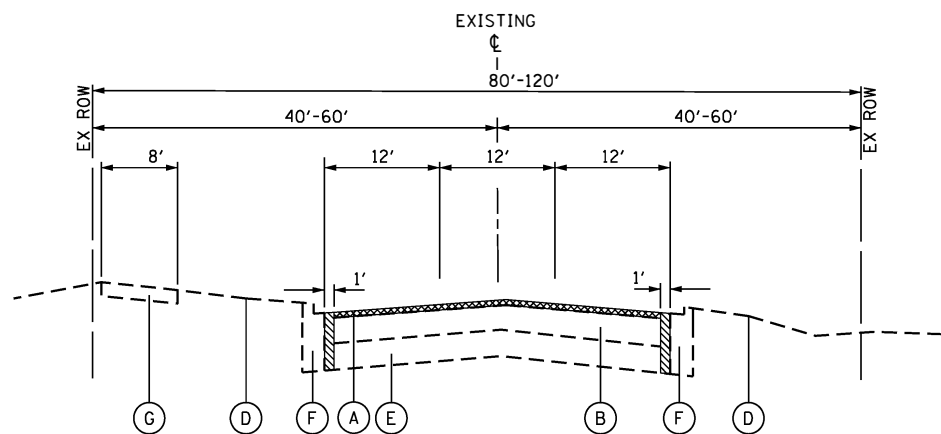
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

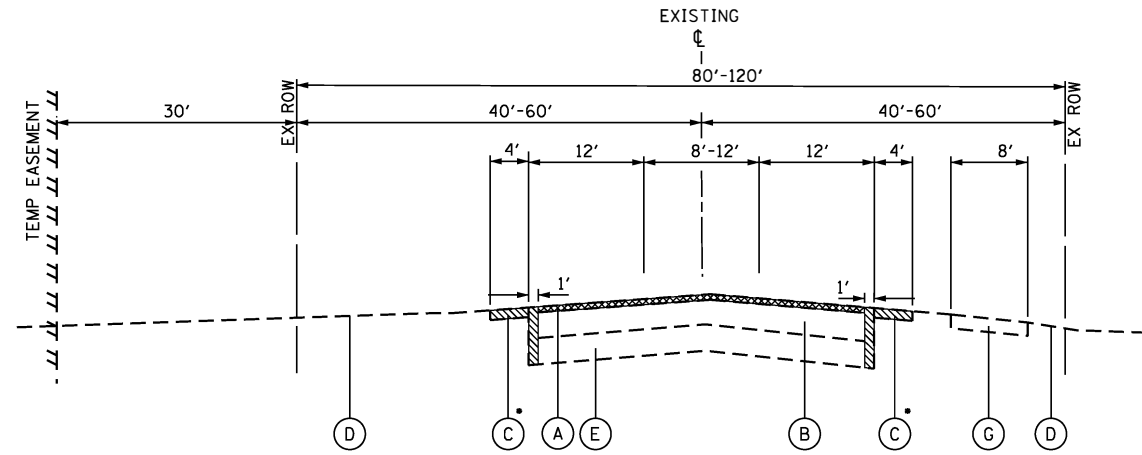
**SUMMARY OF QUANTITIES**  
**MONTGOMERY ROAD**

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61675	



**EXISTING TYPICAL SECTION**  
 MONTGOMERY ROAD  
 STA 107+35.00 TO STA 111+04.08  
 (BRIDGE OMISSION 111+04.08 TO 111+84.75)

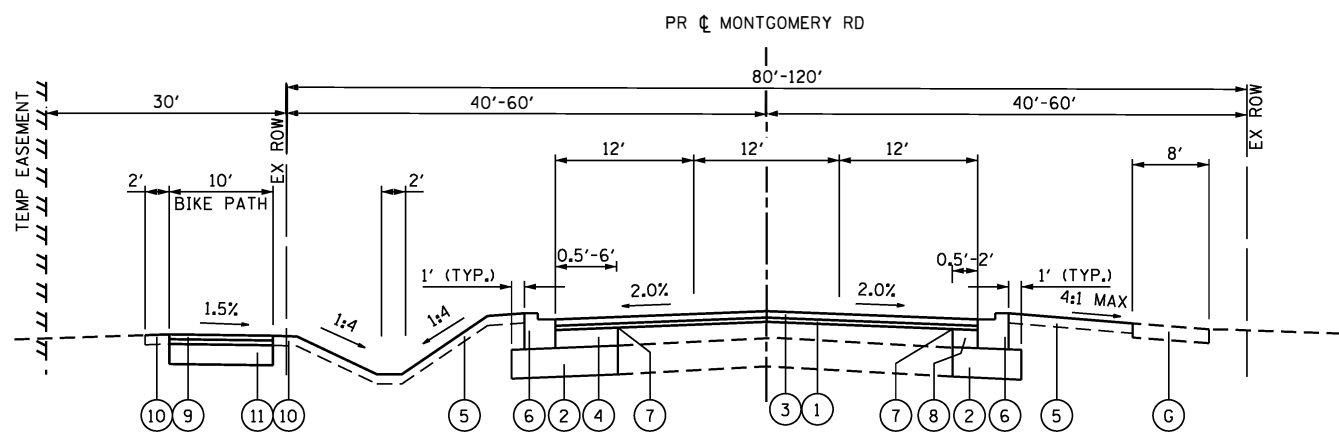


**EXISTING TYPICAL SECTION**  
 MONTGOMERY ROAD  
 STA 111+84.75 TO STA 116+56.35

• REMOVAL OF EX ASPHALT SHOULDER INCLUDED IN THE COST OF PAVEMENT REMOVAL

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 2-3/4 INCH
  - (B) HOT-MIX ASPHALT PAVEMENT, 1 1/2 INCH
  - (C) EXISTING HOT-MIX ASPHALT SHOULDER, 5 INCH
  - (D) EXISTING GROUND
  - (E) AGGREGATE BASE COURSE
  - (F) EXISTING CONCRETE CURB AND GUTTER TO BE REMOVED
  - (G) EXISTING HMA PATH
- INDICATES HMA SURFACE REMOVAL
- INDICATES PAVEMENT REMOVAL (CONTRACTOR WILL BE REQUIRED TO SAWCUT & REMOVE EX PAVT 6-INCHES IN FRONT OF NEW CONC GUTTER IN ORDER TO INSTALL A FULL FRONT FACE FORM.)

- PROPOSED LEGEND**
- (1) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
  - (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
  - (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"
  - (4) HOT-MIX ASPHALT BASE CSE WIDENING, 7"
  - (5) TOPSOIL, F & P 6" SEEDING CLASS 2A
  - (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - (7) OMITTED
  - (8) PCC BASE CSE WIDENING, 7"
  - (9) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 3" (BIKE PATH CONSTRUCTED IN 2 LIFTS)
  - (10) TURF GRADED SHOULDERS; 4% MAX (PAID FOR SEPARATELY AS TOPSOIL F&P 6" AND SEEDING CLASS 2A)
  - (11) AGGREGATE BASE CSE, TYPE B, 6"



**PROPOSED TYPICAL SECTION**  
 MONTGOMERY ROAD  
 STA 107+35.00 TO STA 116+56.35  
 (BRIDGE OMISSION 111+04.08 TO 111+84.75)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4.0% @ 70 GYR.
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 GYR.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4.0% @ 70 GYR.
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 GYR.
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0mm); 7"	4.0% @ 70 GYR.
BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 3" (IN 2 LIFTS)	4.0% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm)	4.0% @ 70 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, N70 (IL-19.0), 10"	4.0% @ 70 GYR.

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

THE AC TYPE FOR POLYMERIZED HMA MIXTURES 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.

IF THE CONTRACTOR CHOOSES TO USE CONCRETE FOR TEMPORARY PAVEMENT. THE THICKNESS OF PCC SHALL BE EIGHT INCHES (8").

PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

HRG PROJECT NO. 160077  
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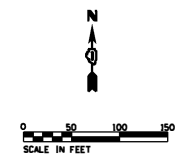
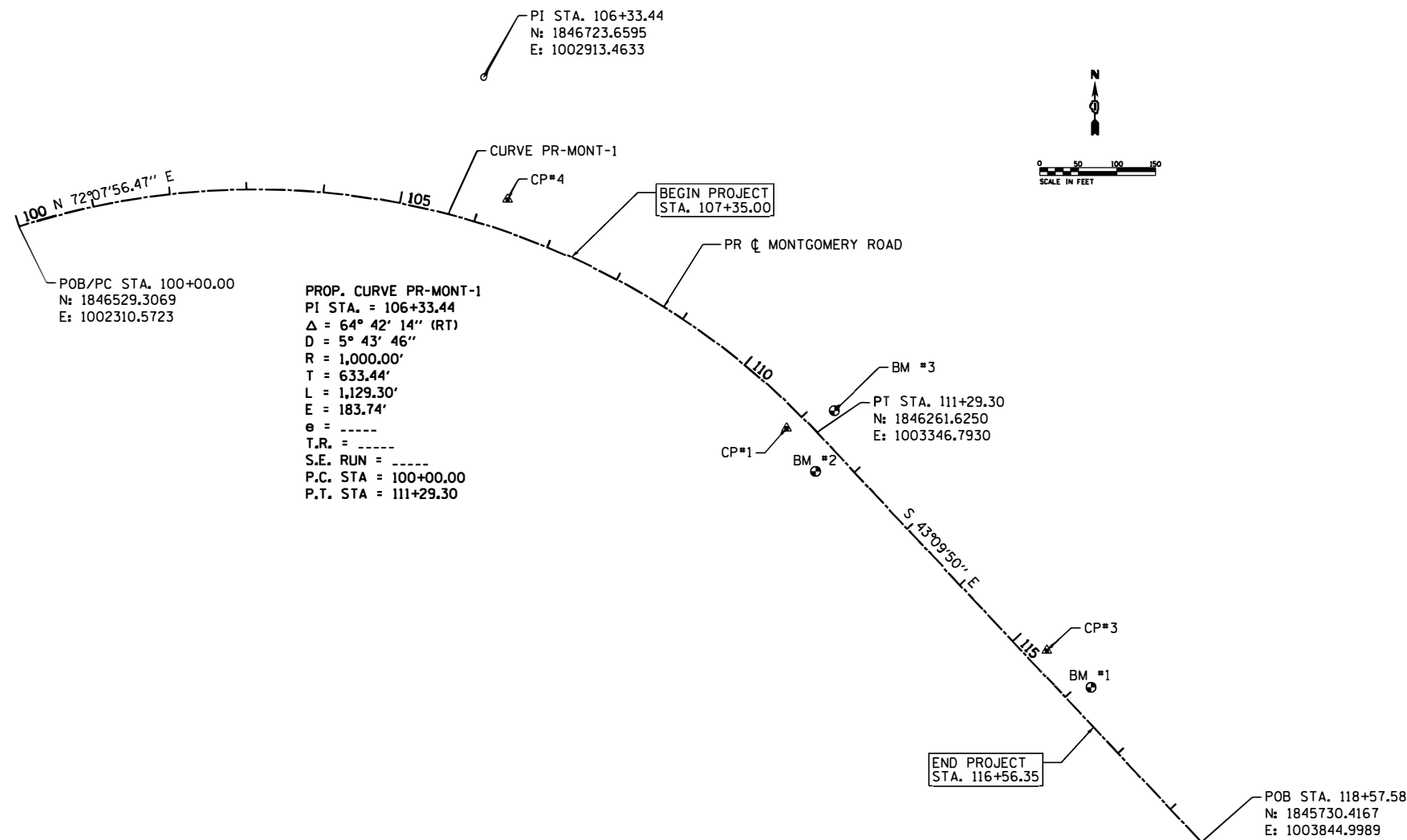
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PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>	
<b>MONTGOMERY ROAD</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G75	





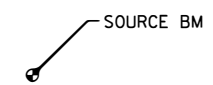
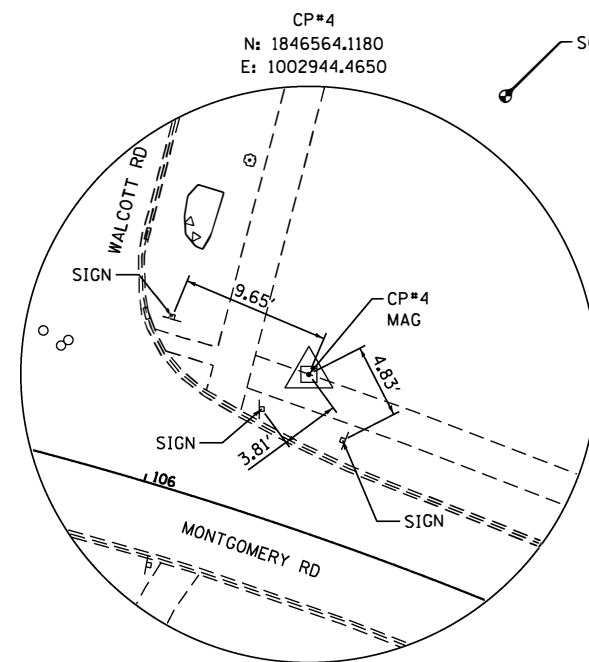
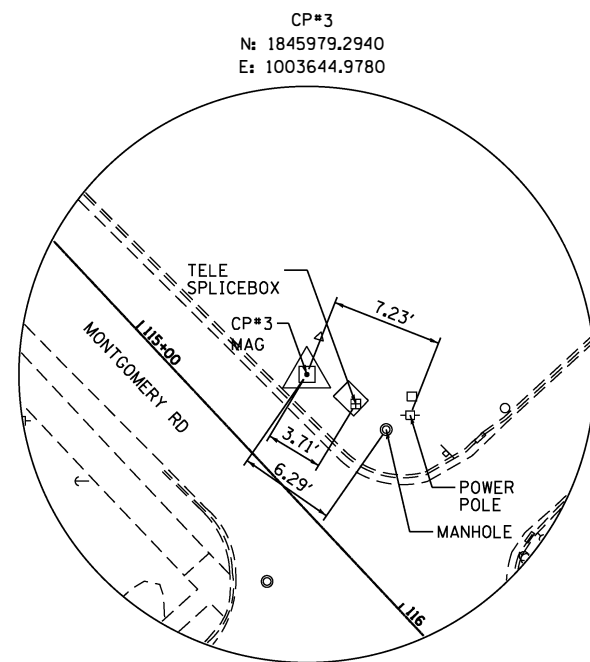
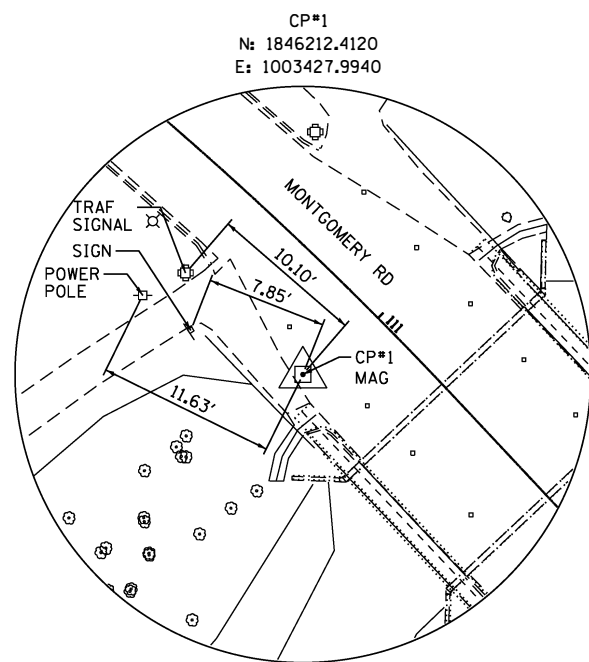
**BENCHMARKS**

SOURCE BM: DISK NE CORNER OF MONTGOMERY ROAD AND ROUTE 34 APPROXIMATELY 45' NE OF B/C OF MONTGOMERY ROAD AND 1.2' SE OF FRONT OF SIDEWALK.  
ELEV = 705.85 (NAVD 88)

BM #1: BOLT ON FIRE HYDRANT IN NORTHEAST CORNER OF WALCOTT ROAD AND MONTGOMERY ROAD.  
ELEV = 682.24 (NAVD 88)

BM #2: CUT SQUARE ON SOUTHERLY MOST HEADWALL OF BRIDGE.  
ELEV = 677.08 (NAVD 88)

BM #3: CUT SQUARE ON NORTHERLY MOST HEADWALL OF BRIDGE.  
ELEV = 677.10 (NAVD 88)



HRG PROJECT NO. 160077  
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 PLOT: 160077.dwg  
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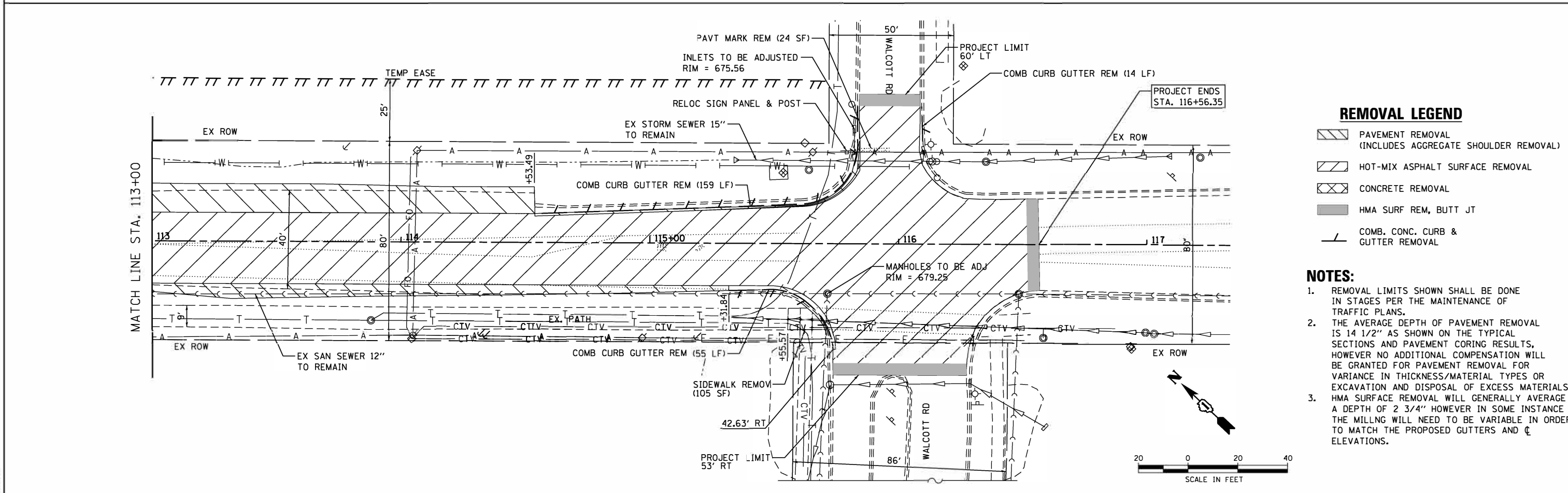
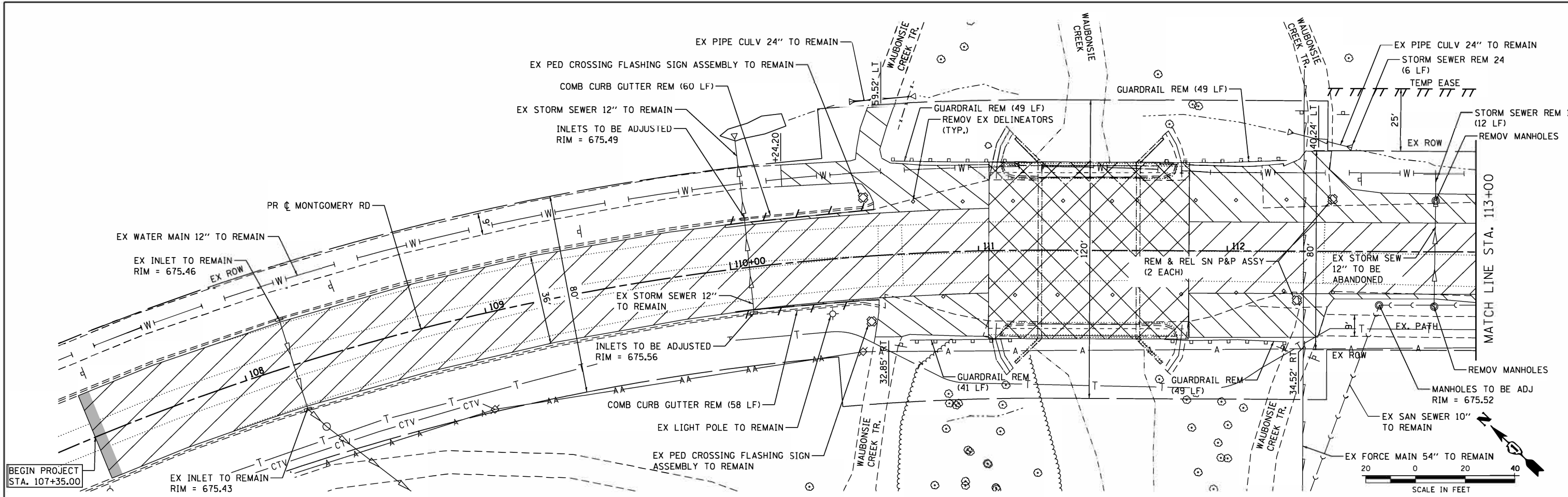


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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 8/24/2020	CHECKED - TEH	REVISED -
	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ALIGNMENT TIES AND BENCHMARKS</b>			
<b>MONTGOMERY ROAD</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	11
CONTRACT NO. 61G75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- REMOVAL LEGEND**
- PAVEMENT REMOVAL (INCLUDES AGGREGATE SHOULDER REMOVAL)
  - HOT-MIX ASPHALT SURFACE REMOVAL
  - CONCRETE REMOVAL
  - HMA SURF REM, BUTT JT
  - COMB. CONC. CURB & GUTTER REMOVAL

- NOTES:**
1. REMOVAL LIMITS SHOWN SHALL BE DONE IN STAGES PER THE MAINTENANCE OF TRAFFIC PLANS.
  2. THE AVERAGE DEPTH OF PAVEMENT REMOVAL IS 14 1/2" AS SHOWN ON THE TYPICAL SECTIONS AND PAVEMENT CORING RESULTS, HOWEVER NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR PAVEMENT REMOVAL FOR VARIANCE IN THICKNESS/MATERIAL TYPES OR EXCAVATION AND DISPOSAL OF EXCESS MATERIALS. HMA SURFACE REMOVAL WILL GENERALLY AVERAGE A DEPTH OF 2 3/4" HOWEVER IN SOME INSTANCE THE MILLING WILL NEED TO BE VARIABLE IN ORDER TO MATCH THE PROPOSED GUTTERS AND ELEVATIONS.
  - 3.

HRG PROJECT NO. 160077  
 HRG PROJ. CONTACT  
 FILE NAME: 160077\_S17r\_Removal.dgn  
 PEN TABLE: 160077.tbl

HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = whoad	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

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

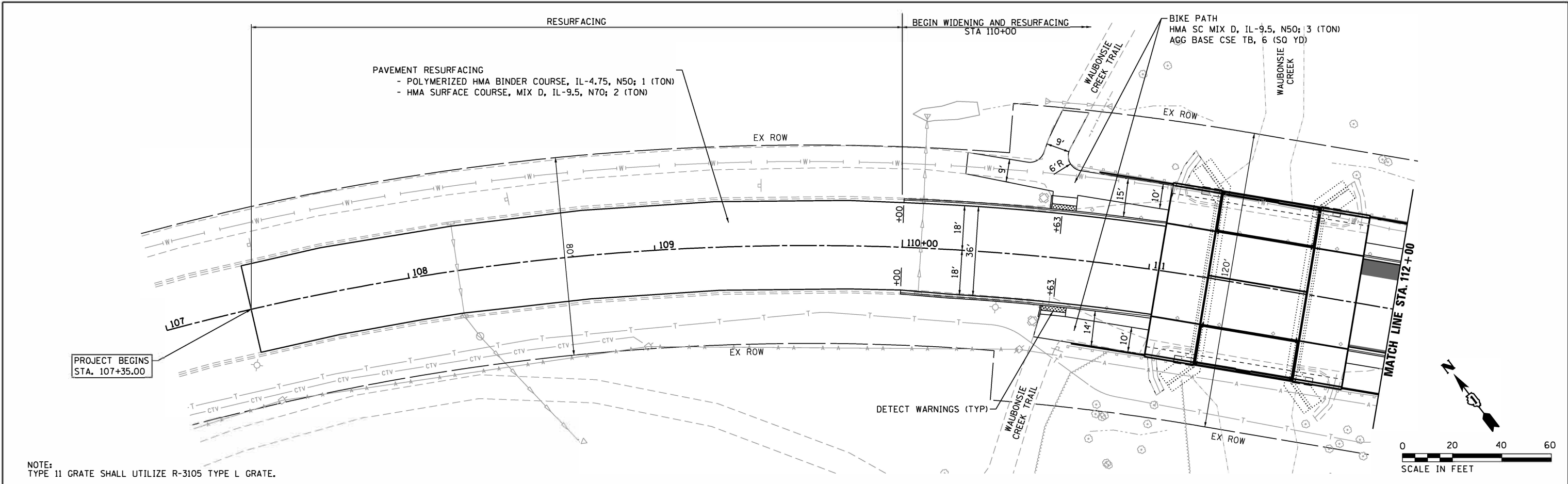
<b>REMOVAL PLAN</b>	
<b>MONTGOMERY ROAD</b>	
SCALE: 1"=20'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G75	

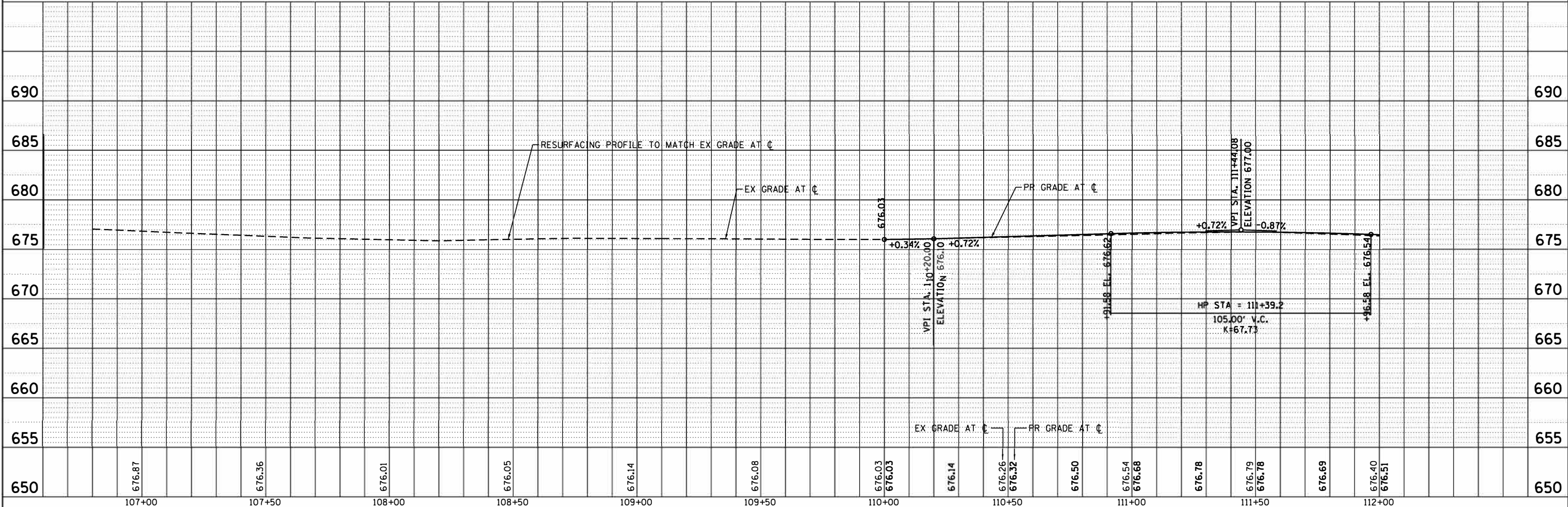
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		

HRG PROJECT NO. 160077  
 HRG PROJ. CONTACT  
 FILE NAME: 160077\_S17.dwg  
 PEN TABLE: 160077.tbl



NOTE:  
 TYPE 11 GRATE SHALL UTILIZE R-3105 TYPE L GRATE.



107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00
676.87	676.36	676.01	676.05	676.14	676.08	676.03 676.03	676.14 676.26 676.32	676.50 676.54 676.68	676.78 676.79 676.78	676.69 676.40 676.51

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USER NAME = whoad	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
 MONTGOMERY ROAD**

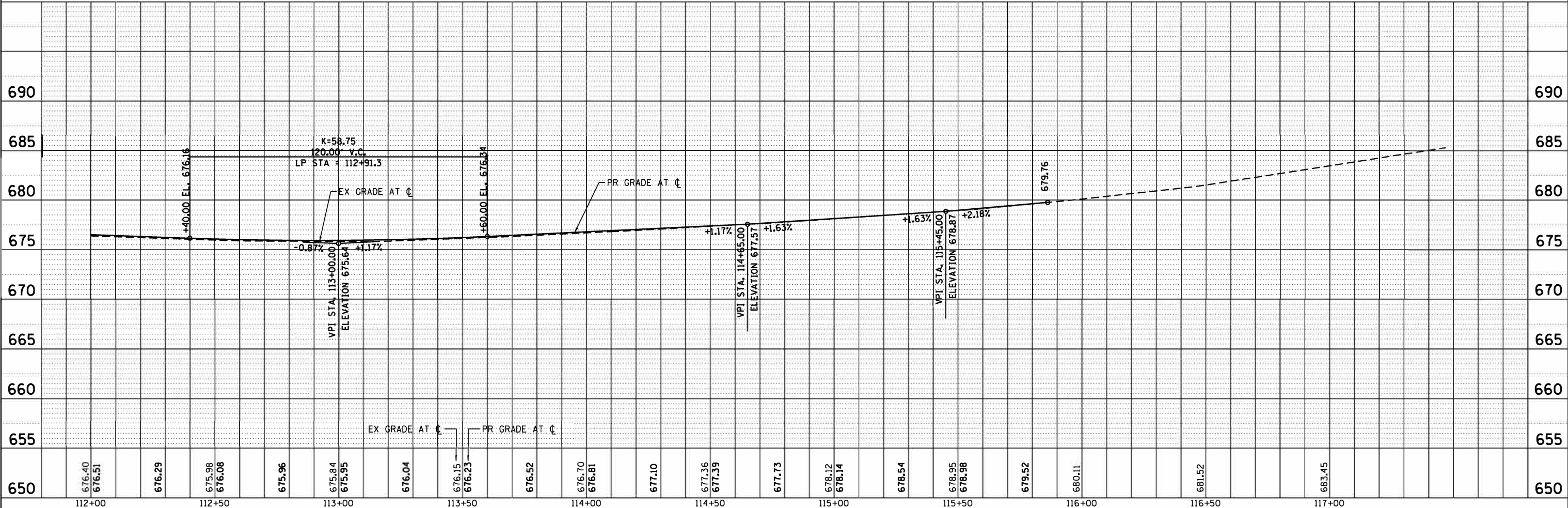
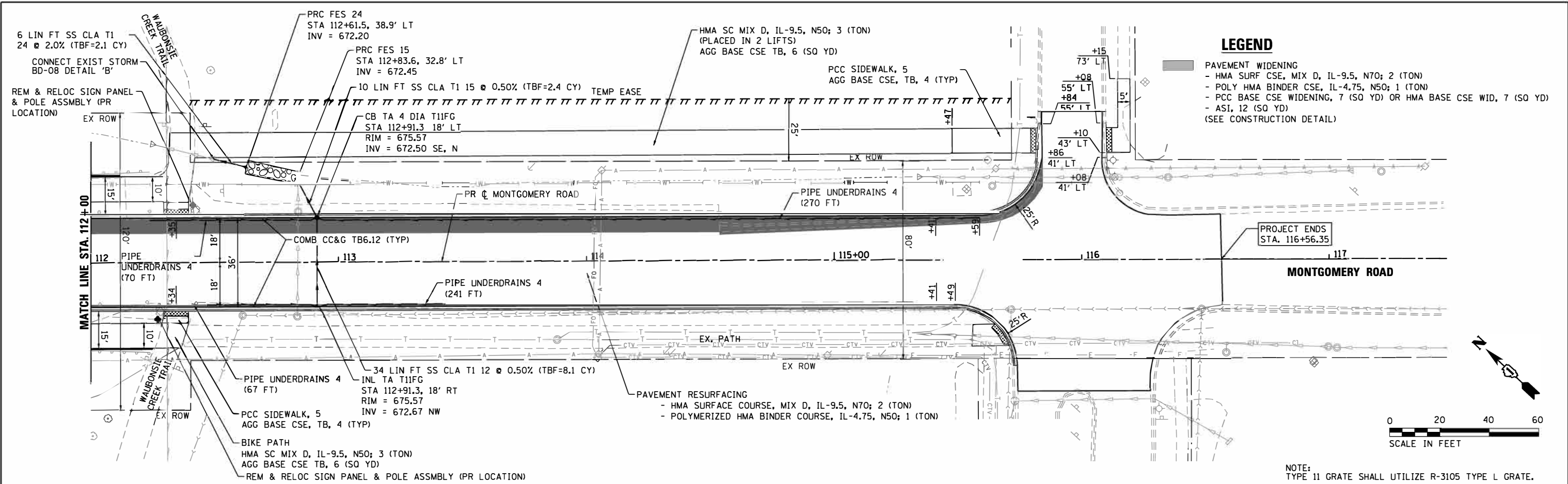
SCALE: 1"=20'    SHEET    OF    SHEETS    STA. 107+35.00 TO STA. 112+00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 111Q	16-00315-00-BR	KANE	44	13
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G75	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

HRG PROJECT NO. 160077  
 HRG PROJ. CONTACT  
 FILE NAME: 160077\_S17.dwg  
 PEN TABLE: 160077.tbl



690	685	680	675	670	665	660	655	650		
112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00

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USER NAME = whoad	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

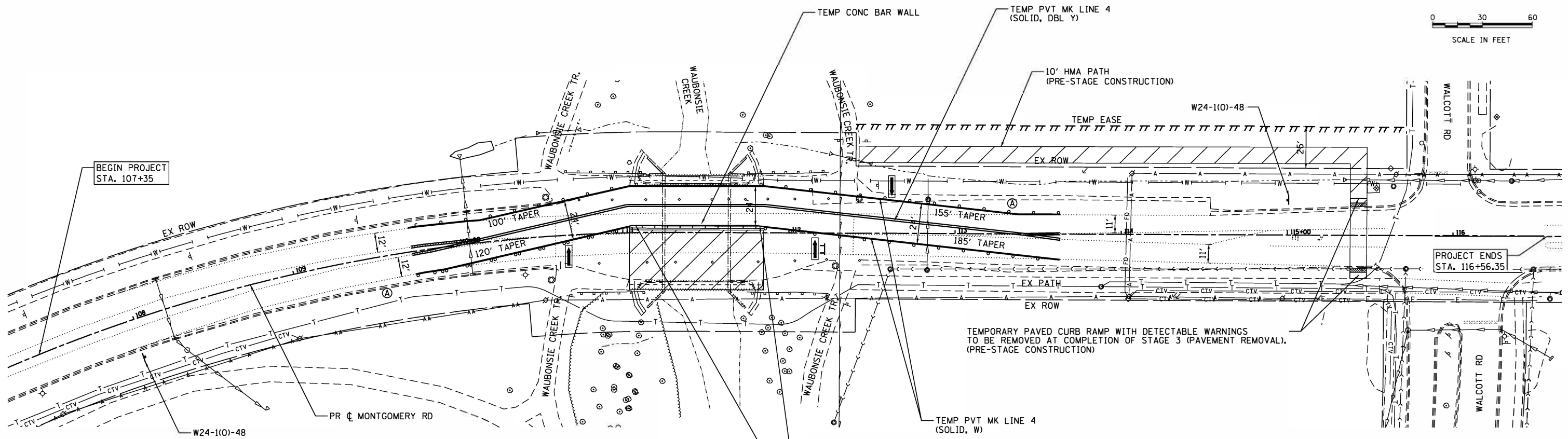
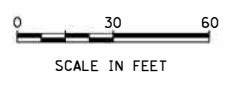
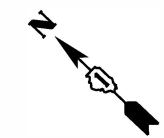
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
**MONTGOMERY ROAD**

SCALE: 1"=20'  
 SHEET OF SHEETS STA. 112+00 TO STA. 116+56.35

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 111Q	16-00315-00-BR	KANE	44	14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61G75



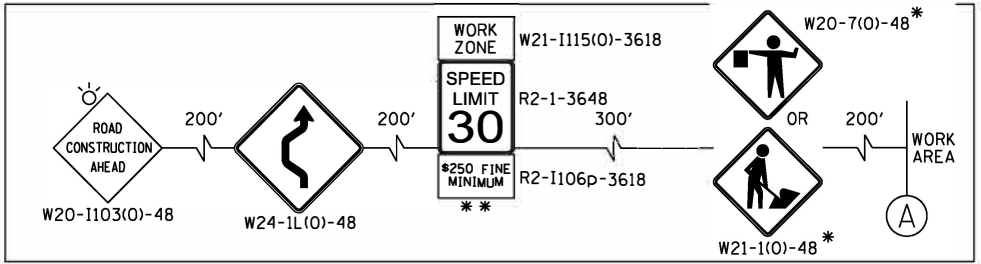


**SUGGESTED STAGE 1 WORK ITEMS:**

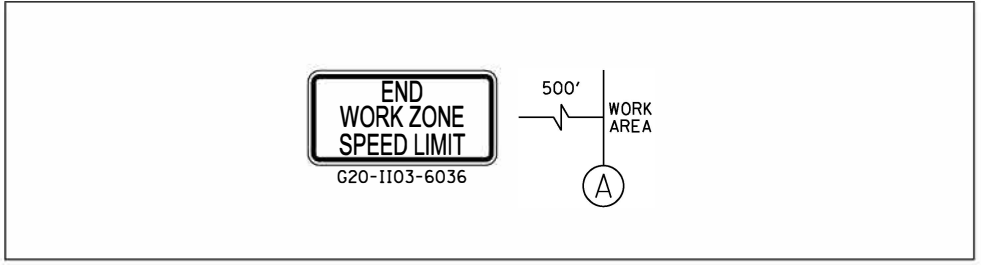
CONSTRUCTION OF BIKE PATH FOR TEMPORARY DETOUR OF WAUBONSIE TRAIL.

CONSTRUCT BRIDGE SUPERSTRUCTURE, SUBSTRUCTURE REPAIRS, STORM SEWERS, AND CURB AND GUTTER WITHIN THE WORK ZONE.

**ADVANCED SIGNING DETAIL**



**END WORK ZONE SIGNING DETAIL**



**NOTES:**

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

ALL STAGE 1, STAGE 2 AND STAGE 3 PAVEMENT MARKINGS SHALL BE PAINT, UNLESS OTHERWISE NOTED.

APPLICABLE SIGNS SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.

PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

SEE SEQUENCE OF CONSTRUCTION NOTES ON GENERAL NOTES SHEET.

**LEGEND**

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH FLASHING LIGHTS
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- W1-6L/R(O) SINGLE ARROW BOARD, 48"x24"
- TEMPORARY CONCRETE BARRIER

HRG PROJECT NO: 160077  
 HRG PROJ CONTACT:  
 FILE NAME: 160077\_Sht\_5.dwg  
 PLOT DRIVER: l...pdf...  
 PEN TABLE: p...tbl



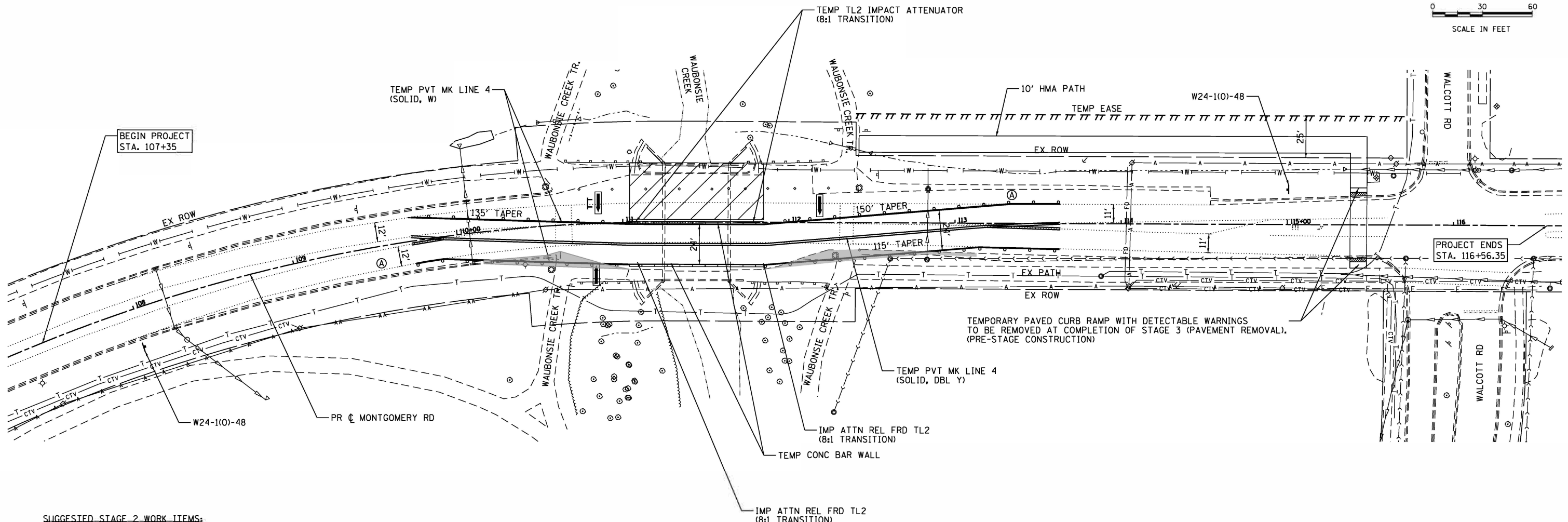
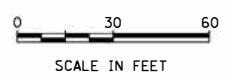
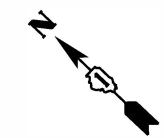
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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 8/24/2020	CHECKED - TEH	REVISED -
	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 1  
MONTGOMERY ROAD**

SCALE: 1"=30' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. MS 111C	SECTION NO. 16-00315-00-BR	COUNTY KANE	TOTAL SHEETS 44	SHEET NO. 15
CONTRACT NO. 61G75			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



**SUGGESTED STAGE 2 WORK ITEMS:**

CONSTRUCT BRIDGE SUPERSTRUCTURE, SUBSTRUCTURE REPAIRS, STORM SEWERS, AND CURB AND GUTTER WITHIN THE WORK ZONE.

NOTES:  
FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

ALL STAGE 1, STAGE 2 AND STAGE 3 PAVEMENT MARKINGS SHALL BE PAINT, UNLESS OTHERWISE NOTED.

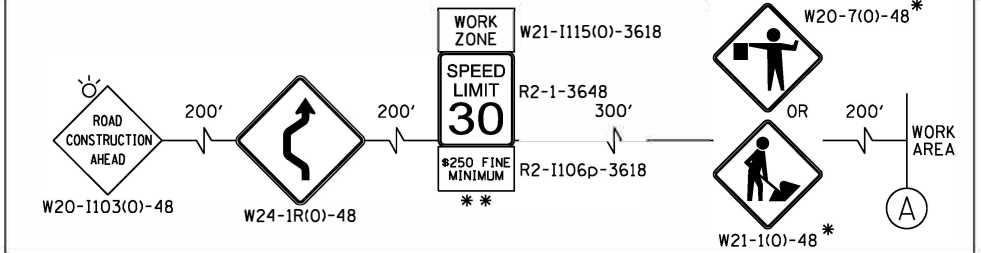
APPLICABLE SIGNS SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.

PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

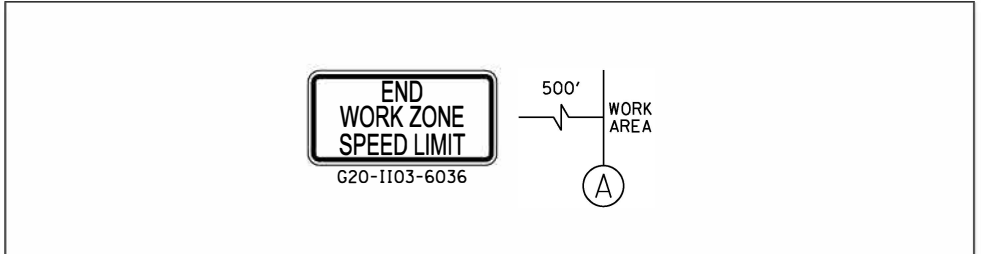
SEE SEQUENCE OF CONSTRUCTION NOTES ON GENERAL NOTES SHEET.

RELOCATE EXISTING TRAIL CROSSING SIGN PANEL ASSEMBLIES TO TEMPORARY TRAIL CROSSING.

**ADVANCED SIGNING DETAIL**



**END WORK ZONE SIGNING DETAIL**



**LEGEND**

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH FLASHING LIGHTS
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- W1-6L/R(O) SINGLE ARROW BOARD, 48"x24"
- TEMPORARY CONCRETE BARRIER

HRG PROJECT NO: 180077  
 HRG PROJ CONTACT:  
 FILE NAME: 180077\_Sht\_51.dwg  
 PLOT DRIVER: l...  
 PEN TABLE: p...



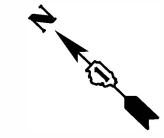
USER NAME = whood	DESIGNED - BDH	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 8/24/2020	CHECKED - TEH	REVISED -
	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

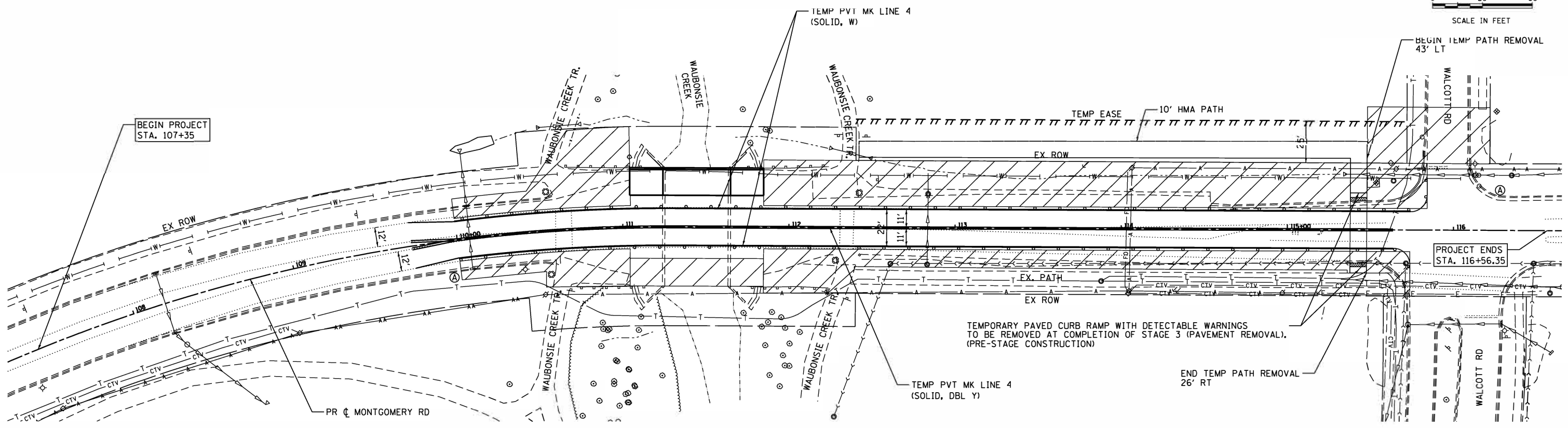
**MAINTENANCE OF TRAFFIC - STAGE 2  
MONTGOMERY ROAD**

SCALE: 1"=30' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. MS 111C	SECTION NO. 16-00315-00-BR	COUNTY KANE	TOTAL SHEETS 44	SHEET NO. 16
CONTRACT NO. 61G75			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



0 30 60  
SCALE IN FEET



**SUGGESTED STAGE 3 WORK ITEMS:**

- EASTBOUND STRUCTURE
- CONCRETE CURB AND GUTTER
- PAVEMENT WIDENING
- BASE COURSE CONSTRUCTION
- HMA BINDER COURSE INSTALLATION
- REMOVAL OF THE TEMPORARY CROSSWALK RAMP (PAID FOR AS SIDEWALK REMOVAL)

**SUGGESTED STAGE 4 WORK ITEMS (NOT ILLUSTRATED):**

- REMOVE TEMPORARY CURB RAMPS CROSSING THE WEST LEG OF MONTGOMERY ROAD AT WALCOTT ROAD
- FINAL TURF RESTORATION
- HMA SURFACE COURSE INSTALLATION (AFTER TOPSOIL DELIVERY AND FINE GRADING)
- PAVEMENT MARKINGS

**NOTES:**  
IN ACCORDANCE WITH ARTICLE 701.18, WORK MAY BE PERMITTED ON ONE SIDE OF THE ROAD ONLY.

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

ALL STAGE 1, STAGE 2 AND STAGE 3 PAVEMENT MARKINGS SHALL BE PAINT, UNLESS OTHERWISE NOTED.

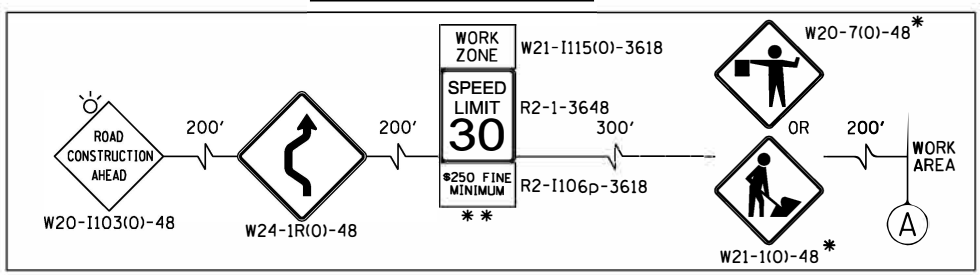
APPLICABLE SIGNS SHALL BE TAKEN DOWN WHEN WORKERS OR FLAGGERS ARE NOT PRESENT.

PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

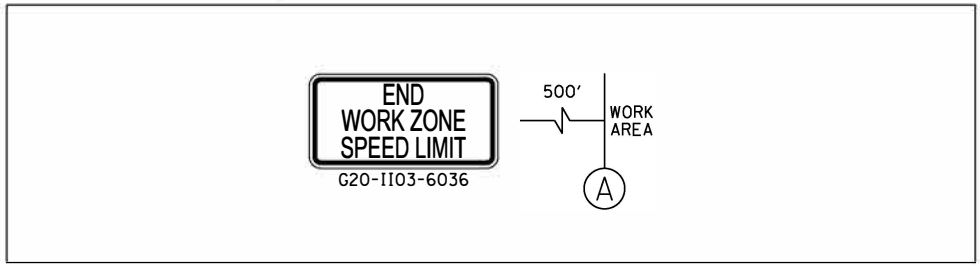
SEE SEQUENCE OF CONSTRUCTION NOTES ON GENERAL NOTES SHEET.

RELOCATE EXISTING TRAIL CROSSING SIGN PANEL ASSEMBLIES TO TEMPORARY TRAIL CROSSING.

**ADVANCED SIGNING DETAIL**



**END WORK ZONE SIGNING DETAIL**



**LEGEND**

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH FLASHING LIGHTS
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS WITH BI-DIRECTIONAL FLASHING LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS AND 12' ON RADII
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- W1-6L/R(O) SINGLE ARROW BOARD, 48"x24"
- TEMPORARY CONCRETE BARRIER

HRG PROJECT NO: 180077  
 HRG PROJ CONTACT:  
 FILE NAME: 180077\_Sht\_51of103.dgn  
 PLOT DRIVER: il\_pdf.dwg  
 PEN TABLE: plottbl.tbl

**HRGreen**  
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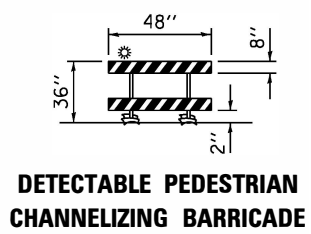
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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 8/24/2020	CHECKED - TEH	REVISED -
	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 3  
MONTGOMERY ROAD**

SCALE: 1"=30' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. MS 1110	SECTION NO. 16-00315-00-BR	COUNTY KANE	TOTAL SHEETS 44	SHEET NO. 17
CONTRACT NO. 61G75			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

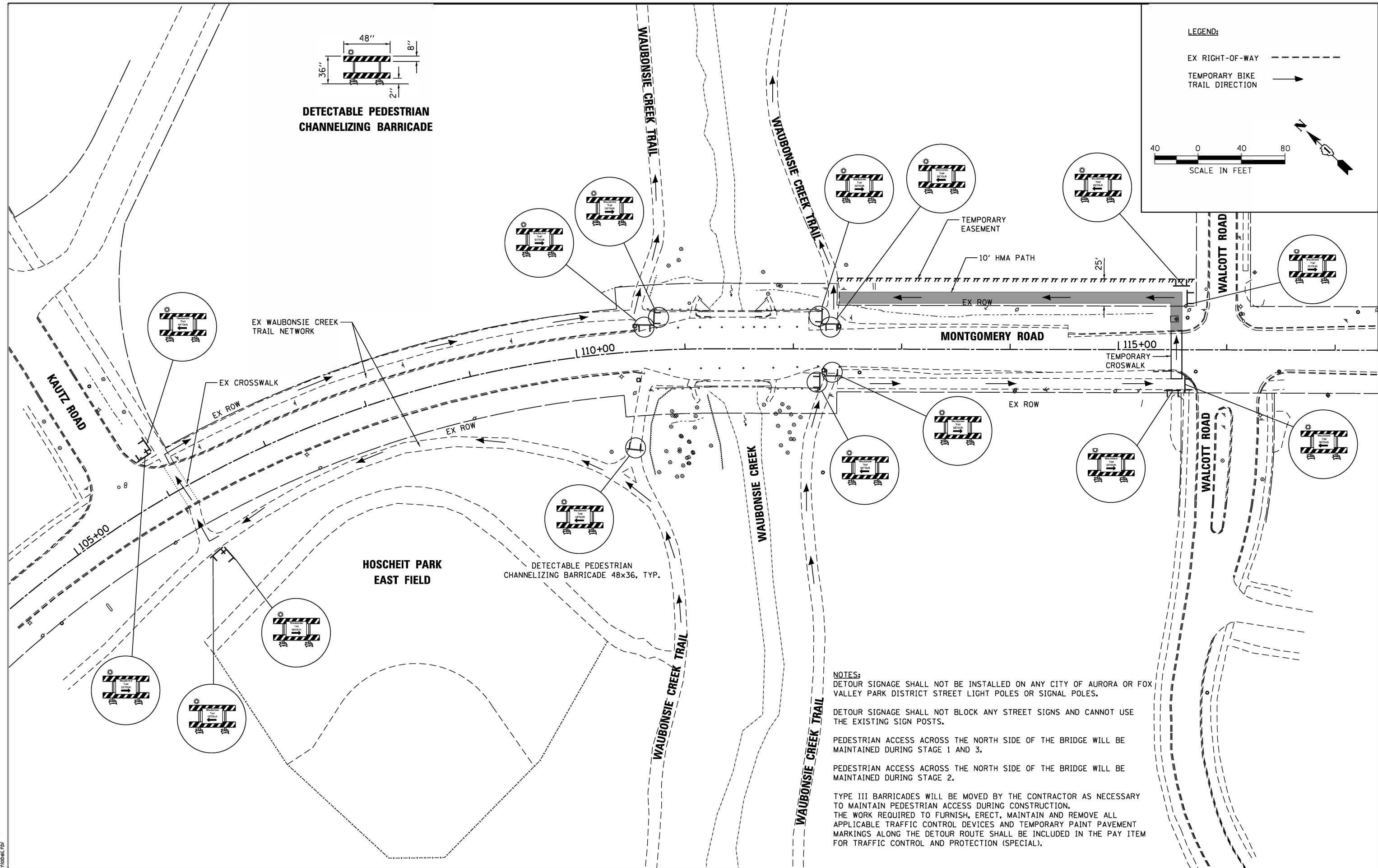


**LEGEND:**

EX RIGHT-OF-WAY -----

TEMPORARY BIKE TRAIL DIRECTION →

SCALE IN FEET



**NOTES:**

DETOUR SIGNAGE SHALL NOT BE INSTALLED ON ANY CITY OF AURORA OR FOX VALLEY PARK DISTRICT STREET LIGHT POLES OR SIGNAL POLES.

DETOUR SIGNAGE SHALL NOT BLOCK ANY STREET SIGNS AND CANNOT USE THE EXISTING SIGN POSTS.

PEDESTRIAN ACCESS ACROSS THE NORTH SIDE OF THE BRIDGE WILL BE MAINTAINED DURING STAGE 1 AND 3.

PEDESTRIAN ACCESS ACROSS THE NORTH SIDE OF THE BRIDGE WILL BE MAINTAINED DURING STAGE 2.

TYPE III BARRICADES WILL BE MOVED BY THE CONTRACTOR AS NECESSARY TO MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION. THE WORK REQUIRED TO FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE TRAFFIC CONTROL DEVICES AND TEMPORARY PAINT PAVEMENT MARKINGS ALONG THE DETOUR ROUTE SHALL BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

HRG PROJECT NO. 80077  
 HRG PROJ CONTACT:  
 FILE NAME: 80077\_Spr\_Bike\_Path\_Detour.dgn  
 PLOT DATE: 8/24/2020  
 PEN TABLE: penTable.dtl

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USER NAME = whoad	DESIGNED - BDH	REVISED -
DRAWN - WJH	REVISED -	
CHECKED - TEH	REVISED -	
DATE - 7/24/2020	REVISED -	
PLOT SCALE =		
PLOT DATE = 8/24/2020		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

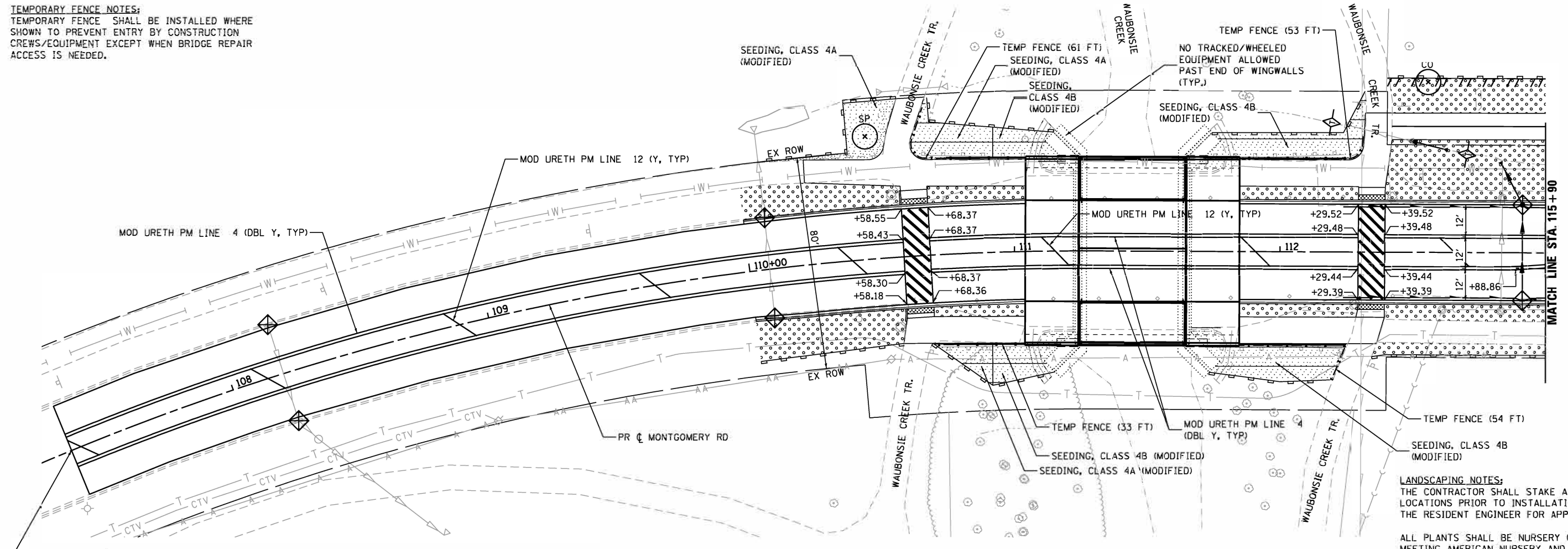
**WAUBONSIE CREEK TRAIL DETOUR PLAN  
 MONTGOMERY ROAD**

SCALE: 1"=40'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G75	



**TEMPORARY FENCE NOTES:**  
 TEMPORARY FENCE SHALL BE INSTALLED WHERE SHOWN TO PREVENT ENTRY BY CONSTRUCTION CREWS/EQUIPMENT EXCEPT WHEN BRIDGE REPAIR ACCESS IS NEEDED.



**LANDSCAPING NOTES:**  
 THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL.

ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI 260.1-2004).

PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES AND MATCHED IN FORM.

THE SEEDING DATES FOR BARE EARTH SEEDING SHALL BE FROM OCTOBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.

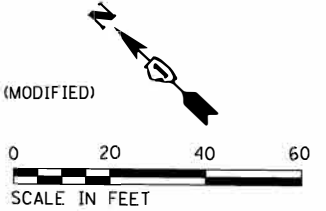
THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847705-4171), AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING, TREES AND PLUGS.

**PAVEMENT MARKING NOTES:**  
 SEE IDOT DISTRICT ONE DETAIL TC-13 AND CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKING DETAILS.

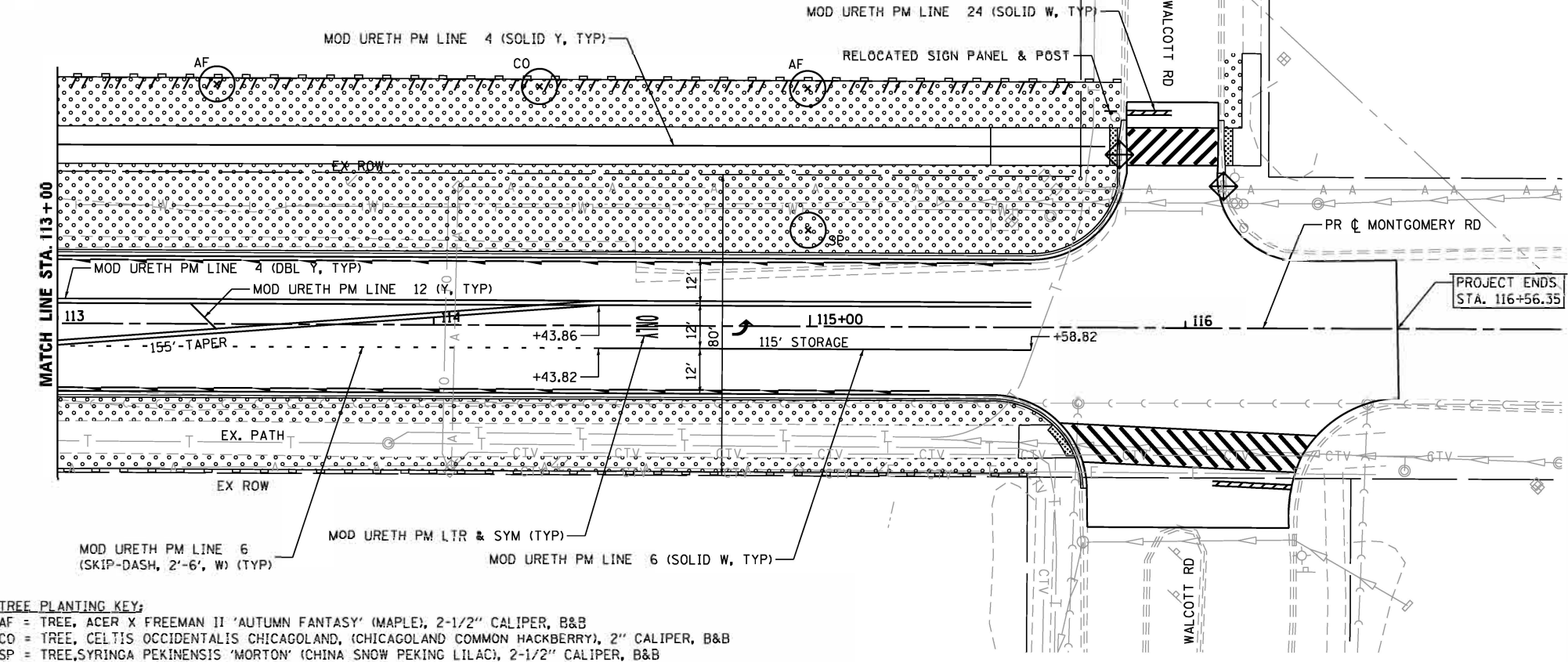
ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHENE.

**LEGEND**

- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMP DITCH CHECKS
- TEMPORARY FENCE
- PR TREES (SEE PLANTING KEY)
- TOPSOIL FURNISH & PLACE, 6" EROSION CONTROL BLANKET (SPECIAL) SEEDING, CLASS 2A
- TEMPORARY EROSION CONTROL SEEDING
- TOPSOIL FURNISH & PLACE, 6" HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL SEEDING, CLASS 4A (MODIFIED) OR SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING (SEE PLAN NOTES FOR SEEDING TYPE LOCATIONS)



PROJECT BEGINS STA. 107+35.00



**TREE PLANTING KEY:**  
 AF = TREE, ACER X FREEMAN II 'AUTUMN FANTASY' (MAPLE), 2-1/2" CALIPER, B&B  
 CO = TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, B&B  
 SP = TREE, SYRINGA PEKINENSIS 'MORTON' (CHINA SNOW PEKING LILAC), 2-1/2" CALIPER, B&B

HRG PROJECT NO. 160077  
 HRG PROJ CONTACT  
 FILE NO. 160077-SPR-RM-dgn  
 PLOT DATE: 8/24/2020  
 PEN TABLE: 160468d.tbl

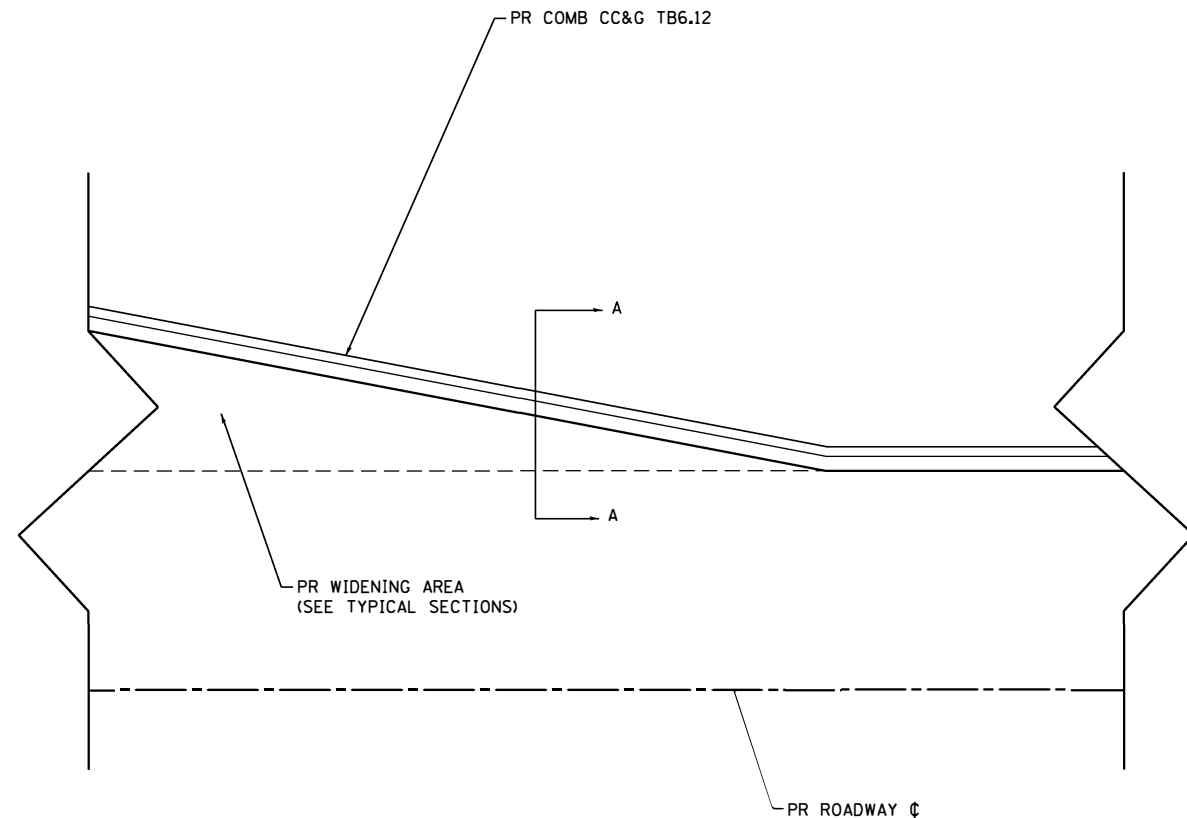


USER NAME	whood	DESIGNED	BDH	REVISED	-
DRAWN	WJH	REVISIONS	-	REVISIONS	-
PLOT SCALE	AS SHOWN	CHECKED	TEH	REVISIONS	-
PLOT DATE	8/24/2020	DATE	7/24/2020	REVISIONS	-

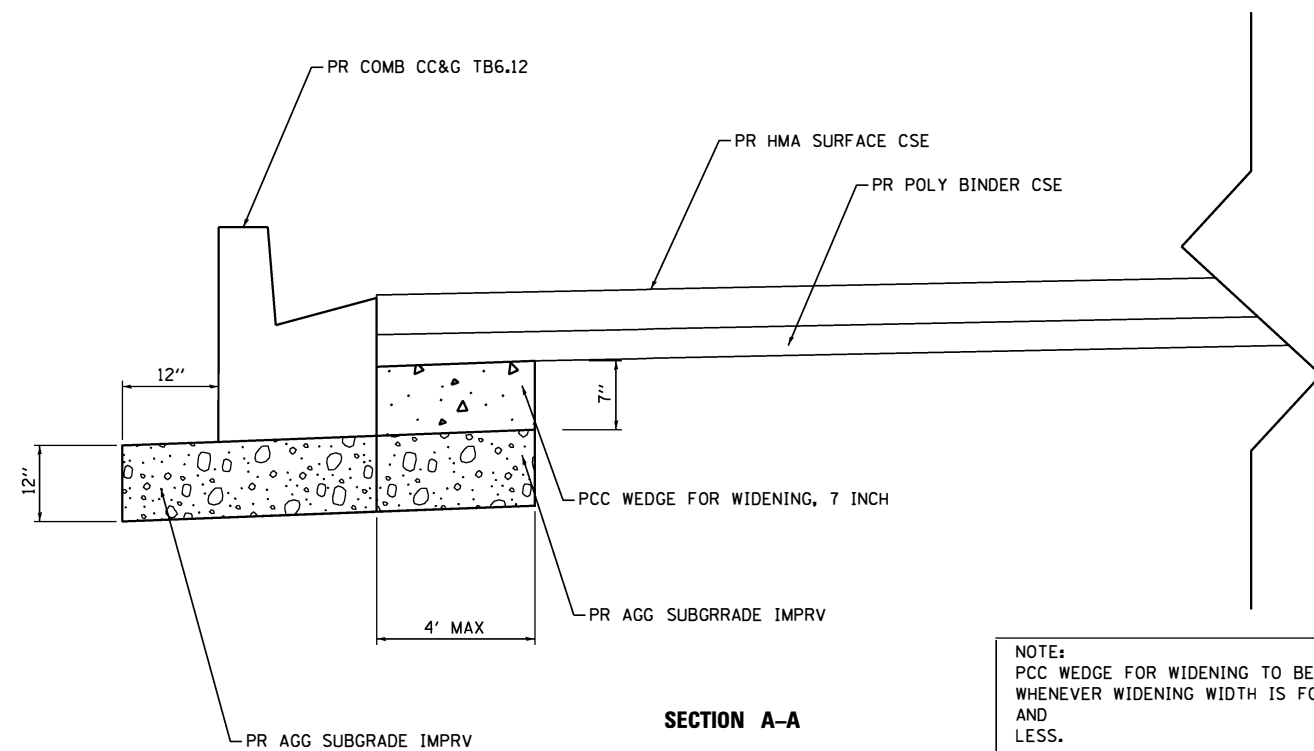
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING  
 SIGNING AND EROSION CONTROL PLAN  
 MONTGOMERY ROAD**

F.A.U. R.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	19
CONTRACT NO.			62075	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



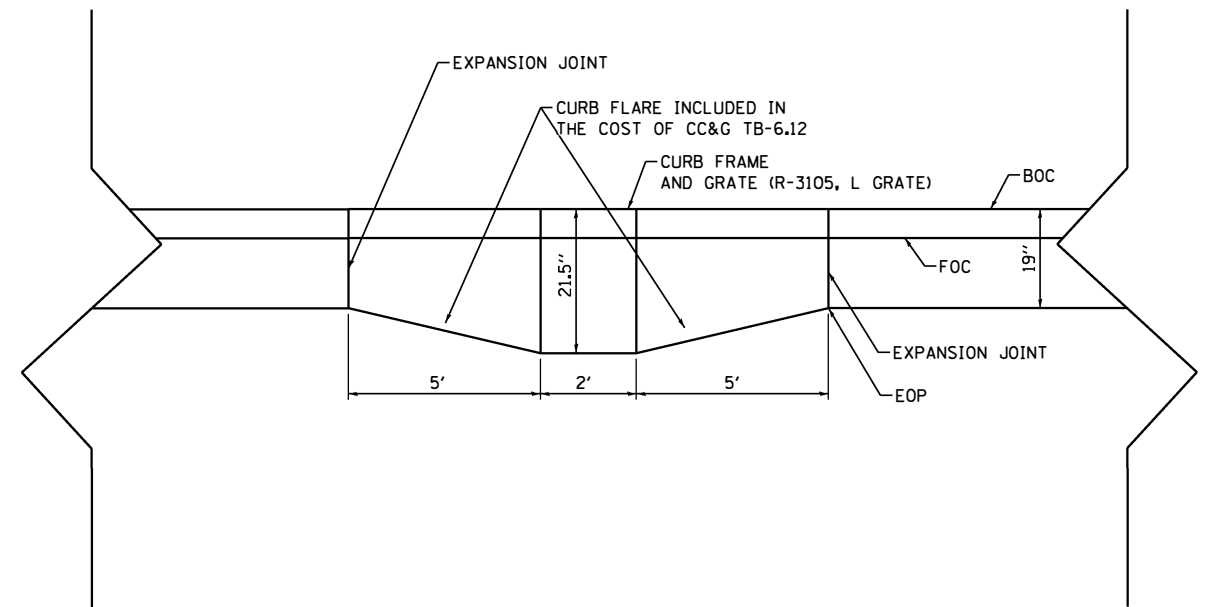
PLAN VIEW



SECTION A-A

TRANSITION DETAIL FOR WIDENING

NOTE:  
PCC WEDGE FOR WIDENING TO BE CONSTRUCTED WHENEVER WIDENING WIDTH IS FOUR (4) FEET AND LESS.  
WHEN THE WIDENING EXCEEDS FOUR (4) IN WIDTH HMA BASE CSE WIDENING SHALL BE USED.



COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12  
AT STORM STRUCTURE CASTINGS

ITEM NO.	CODE	DESCRIPTION	CROSS SECTION BASED	
			Montgomery Rd	TOTAL
1	20200100	EARTH EXCAVATION	170.7	170.7
2	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	189.0	189.0
3	20400800	FURNISHED EXCAVATION	64.4	64.4

EARTHWORK SUMMARY TABLE

HRG PROJECT NO. 160077  
 HRG PROJ. CONTACT:  
 FILE: 160077-254-Const-Def.dwg  
 PLOT DATE: 8/24/2020  
 PEN TABLE: p16tbl.tbl

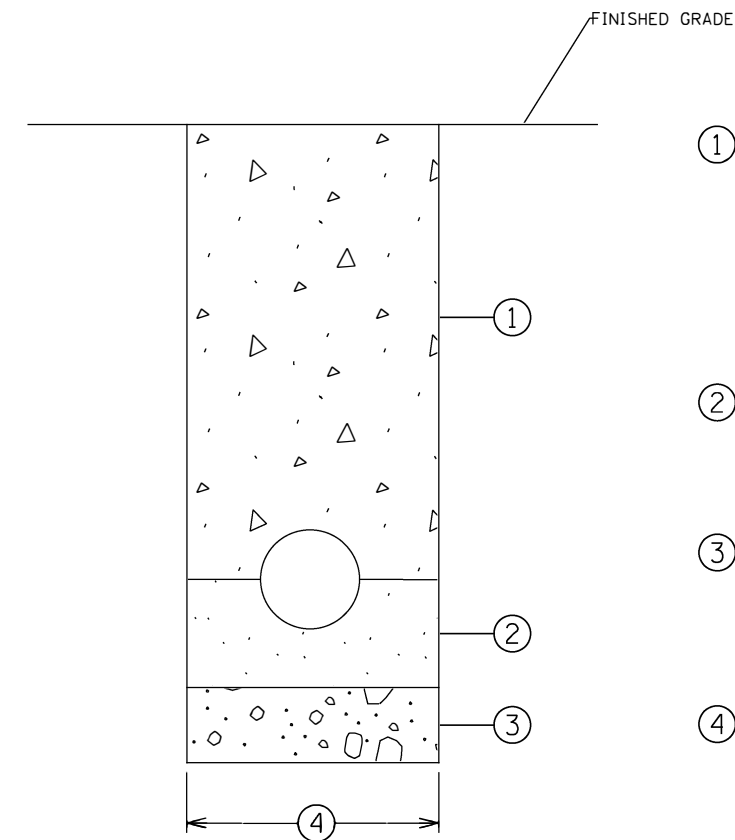


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	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

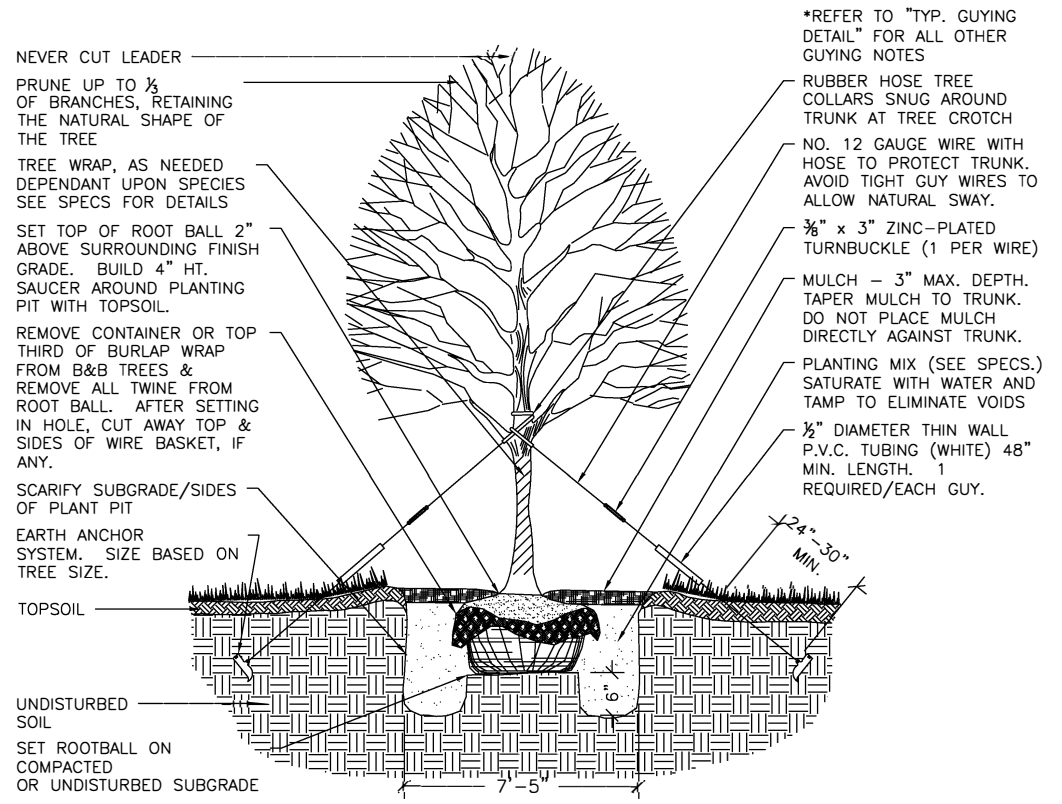
CONSTRUCTION DETAILS				
MONTGOMERY ROAD				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	20
CONTRACT NO. 61G75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- ① **SELECT TRENCH BACKFILL**  
 GRANULAR TRENCH BACKFILL TO BE USED UNDER EXISTING OR PROPOSED PAVEMENT, CURB AND GUTTER, SIDEWALK OR WITHIN 2' OF ANY EXISTING/PROPOSED CURB AND GUTTER OR SIDEWALK, SHALL BE MECHANICALLY COMPACTED CA-6, GRADE #9. PAID FOR PER CU YD AS TRENCH BACKFILL.
  - ② **PIPE BEDDING & INITIAL TRENCH BACKFILL**  
 CA-7 WASHED STONE FROM 4" BELOW TO SPRING LINE OF PIPE. INCLUDED IN THE COST OF THE STORM SEWER BEING INSTALLED.
  - ③ **UNSUITABLE MATERIALS**  
 IF ENCOUNTERED - SHALL BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE AND COMPACTED MATERIAL
  - ④ **TRENCH WIDTH**  
 WIDTH (MAX.) = 9" + O.D. + 9", WHEN TRENCH < 5FT  
 WIDTH (MAX.) = 18" + O.D. + 18", WHEN TRENCH > 5FT
- NOTE**  
 ALL GRANULAR MATERIAL TO BE IDOT APPROVED.

**TYPICAL STORM SEWER TRENCH DETAIL**

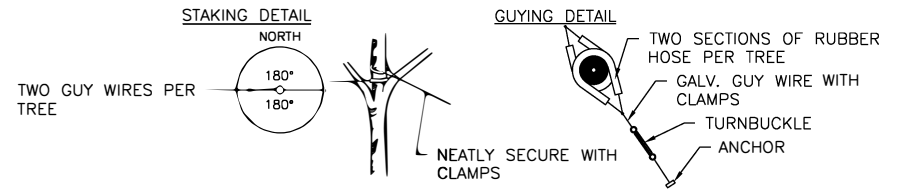


**TREE PLANTING DETAIL**

NOT TO SCALE

**GUYING STANDARDS**

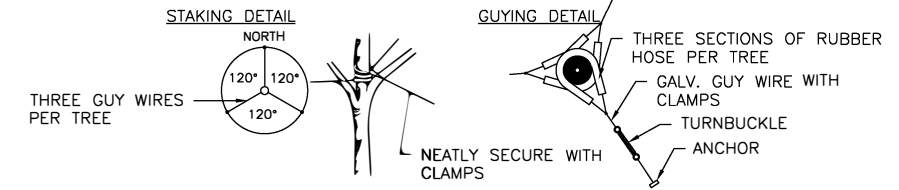
- TWO (2) ANCHORS (HOLDING CAPACITY 1100# PER ANCHOR IN NORMAL SOIL.
- 13' OF 1/8" 7x7 GALVANIZED STEEL CABLE WITH TURNBUCKLE ATTACHED MID-CABLE.
- 1/2" DIAMETER THIN WALL P.V.C. TUBING (WHITE) 48" MINIMUM LENGTH. ONE (1) REQUIRED/EACH GUY.
- TWO (2) TURNBUCKLES, EYE AND EYE TYPE, 3/8" THREAD DIAMETER WITH 3" TAKE-UP
- FOUR (4) 1/8" CABLE CLAMPS, ZINC PLATED (DR-2 STEEL DRIVE ROD 2' LONG WITH 1/4" ROUND DRIVING TIP NEEDED TO INSTALL ANCHORS. ONE ROD, NOT INCLUDED IN KIT, DRIVES HUNDREDS OF ANCHORS)
- TWO (2) RUBBER HOSE TREE COLLARS, 21" LONG, EA.



\*APPLIES TO SINGLE TRUNK DECIDUOUS TREES 3" CAL. AND LESS & EVERGREEN TREES 8' HT. AND LESS

**GUYING STANDARDS**

- THREE (3) ANCHORS (HOLDING CAPACITY 1100# PER ANCHOR IN NORMAL SOIL.
- 13' OF 1/8" 7x7 GALVANIZED STEEL CABLE WITH TURNBUCKLE ATTACHED MID-CABLE.
- 1/2" DIAMETER THIN WALL P.V.C. TUBING (WHITE) 48" MINIMUM LENGTH. ONE (1) REQUIRED/EACH GUY.
- THREE (3) TURNBUCKLES, EYE AND EYE TYPE, 3/8" THREAD DIAMETER WITH 3" TAKE-UP
- SIX (6) 1/8" CABLE CLAMPS, ZINC PLATED (DR-2 STEEL DRIVE ROD 2' LONG WITH 1/4" ROUND DRIVING TIP NEEDED TO INSTALL ANCHORS. ONE ROD, NOT INCLUDED IN KIT, DRIVES HUNDREDS OF ANCHORS)
- THREE (3) RUBBER HOSE TREE COLLARS, 21" LONG, EA.



\*APPLIES TO SINGLE TRUNK DECIDUOUS TREES GREATER THAN 3" CAL. & EVERGREEN TREES GREATER THAN 8' HT.

**TREE GUYING DETAIL**

NOT TO SCALE

HRG PROJECT NO. 180077  
 HRG PROD. CONTACT:  
 FILE: 180077\_297\_Const\_Def02.dgn  
 PLOT DATE: 8/24/2020  
 PEN TABLE: p18.tbl



USER NAME = whoad	DESIGNED - BDH	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - TEH	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS  
 MONTGOMERY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

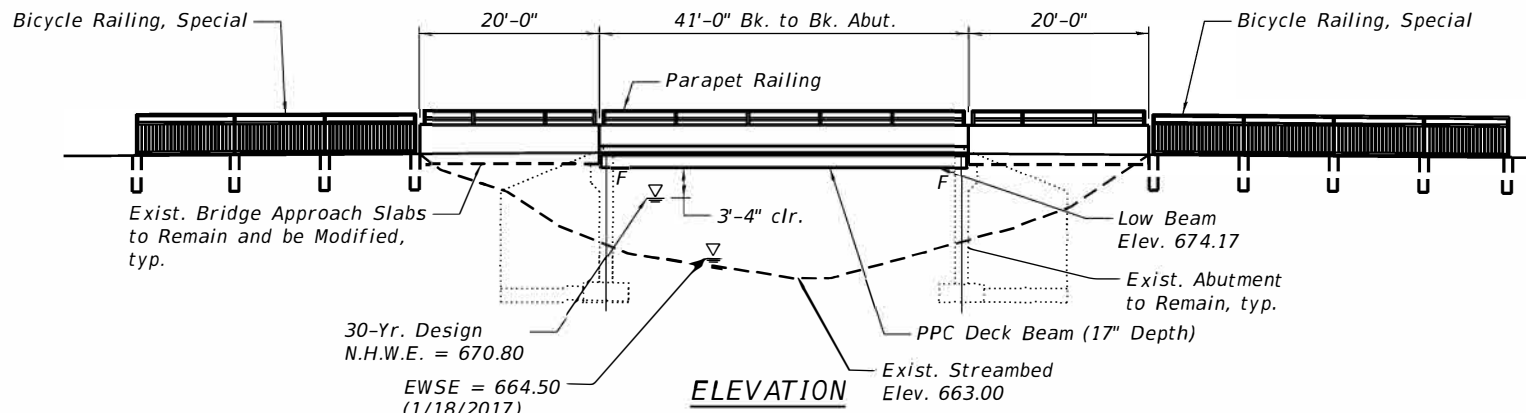
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G75	

**Benchmark:**

- Southerly flange bolt on the fire hydrant at the easterly quadrant of the intersection of Montgomery Road and Walcott Road.  
Elevation: 682.24 (NAVD 88)
- Easterly flange bolt on the fire hydrant on the northwesterly side of Kautz Road, approximately 150 feet northeasterly of Montgomery Road.  
Elevation: 679.37 (NAVD 88)

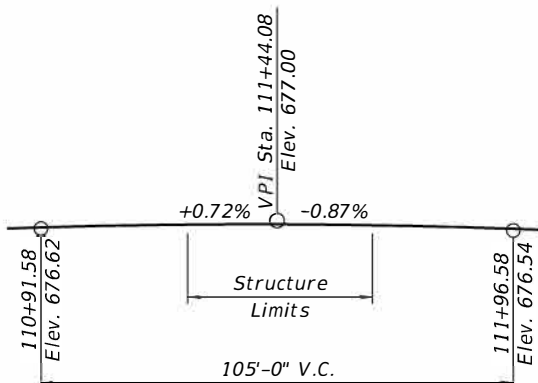
Existing Structure (No. 045-6015): Originally Constructed in 1977, the structure consists of PPC Deck Beams supported on reinforced concrete closed abutments with spread footings. The existing structure measures 70'-0" out to out and 41'-0" back to back of abutments.

Remove and replace existing superstructure, using stage construction. Existing abutments and approach slabs to remain.  
Salvage: None



**HORIZONTAL CURVE DATA**

PI STA. = 106+33.44  
 $\Delta = 64^\circ 42' 14''$  (RT)  
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 633.44'$   
 $L = 1,129.30'$   
 $E = 183.74'$   
 P.C. STA. = 100+00.00  
 P.T. STA. = 111+29.30



**PROFILE GRADE**

**LEGEND**

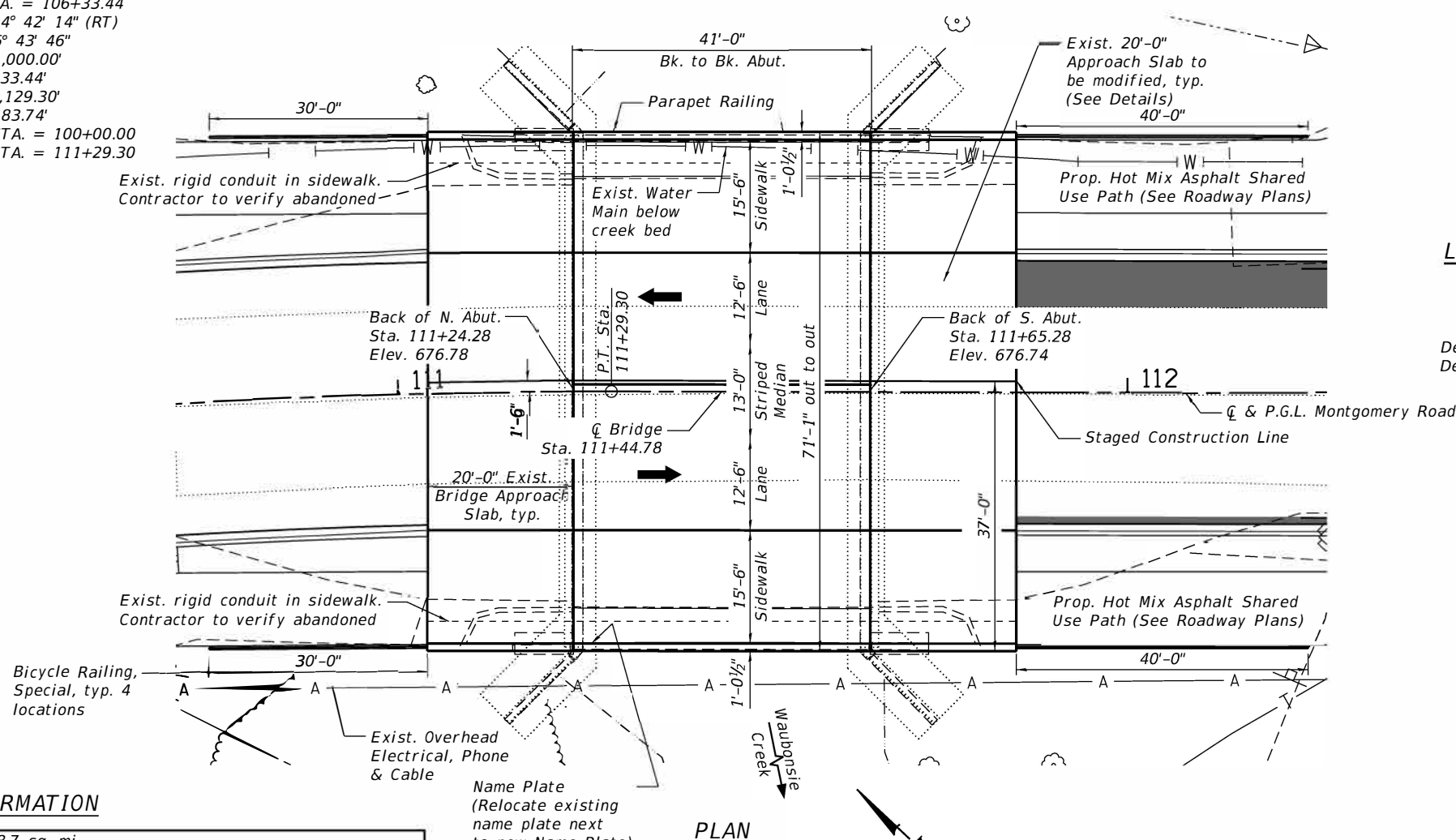
- A — Exist. aerial utilities (to remain in place)
- W — Exist. water main (to remain in place)

**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevations (ft.)	
N. Abut.	S. Abut.
662.31	662.31

**WATERWAY INFORMATION**

Drainage Area = 18.7 sq. mi.									
Exist. Low Grade Elev. (Edge of Shoulder) = 675.35 @ Sta. 113+00									
Prop. Low Grade Elev. (Top of Curb) = 675.85 @ Sta. 113+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	770	207	207	669.80	1.0	1.0	670.80	670.80
Design	30	1070	234	234	670.80	0.5	0.5	671.30	671.30
	50	1220	246	246	670.80	0.5	0.5	671.30	671.30
Base	100	1,447	261	261	671.20	0.6	0.6	671.80	671.80
Max Calc.	500	1,950	296	296	672.20	0.9	0.9	673.10	673.10



**PLAN**

To the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current "AASHTO LRFD Standard Specifications for Highway Bridges".

*Andy Underwager*  
 Structural Engineer Expires: 11/30/2020  
 HR Green, Inc.

**INDEX OF SHEETS**

- General Plan
- General Notes and Bill of Materials
- Stage Construction Details
- Temporary Concrete Barrier for Stage Construction
- Approach Pavement and Approach Pedestrian Path Details
- 17"x36" PPC Deck Beams
- 17"x36" PPC Deck Beam Details
- Superstructure Details
- Bridge Railing Details
- Abutment Repair Details
- Bar Splicer Assembly and Mechanical Splicer Details

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**DESIGN STRESSES**

**FIELD UNITS (NEW CONSTRUCTION)**  
 $f'c = 3,500$  psi (Concrete Wearing Surface)  
 $f'c = 4,000$  psi (Superstructure)  
 $f_y = 60,000$  psi (Reinforcement)

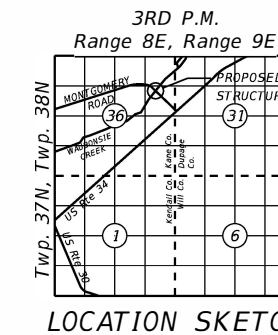
**PRECAST PRESTRESSED UNITS**  
 $f'ci = 5,000$  psi  
 $f'c = 6,000$  psi  
 $f_{pu} = 270,000$  psi ( $1/2"$  dia. lax strands)  
 $f_{pbt} = 201,960$  psi ( $1/2"$  dia. low lax strands)

**LOADING HL-93 (NEW CONSTRUCTION)**

Allow 25#/sq. ft. for future wearing surface.

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.107  
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.148  
 Soil Site Class = D



**GENERAL PLAN**  
**MONTGOMERY ROAD OVER**  
**WAUBONSIE CREEK**  
**MS RTE. 1110**  
**SEC. 16-00315-00-BR**  
**KANE COUNTY**  
**STATION 111+44.78**  
**STRUCTURE NO. 045-6015**

HRG PROJECT NO.: 180077  
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 FILE NAME: 180077\_S1r\_Gen.dgn  
 PLOT DRIVER: IL\_Pdf.dwg  
 PEN TABLE: plotabek.tbl



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 DRAWN - WJH  
 CHECKED - AEU  
 PLOT DATE = 8/24/2020

DESIGNED - JMW  
 DRAWN - WJH  
 CHECKED - AEU  
 DATE - 7/24/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**GENERAL PLAN**  
**STRUCTURE NO. 045-6015**

SHEET NO. 1 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	22
CONTRACT NO. 61G75				

ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

1. Saw cutting of pavements, curb and gutter, sidewalk, etc. Shall be to full depth and shall result in a clean straight edge on the portion remaining.
2. Materials resulting from the removal of asphalt surfaces, concrete removal, utility structure adjustments, grading work, etc. shall be removed at the end of each day to an approved site.
3. Reinforcement bars designated (E) shall be epoxy coated.
4. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
5. No work in the water is anticipated. No construction equipment shall enter the water. The Contractor shall be responsible for obtaining a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources and ACOE for any temporary construction activity placed in the water.
6. Slipforming of the parapets is not allowed.
7. Bridge Deck Grooving Limits shall conform to section 503.16 of the Standard Specifications. The concrete wearing surface on the both the bridge and the approach slabs shall have the surfaces finished with grooving.
8. During Stage I, the Protective Coat shall not be applied to the concrete wearing surface within the footprint of the proposed sidewalk.

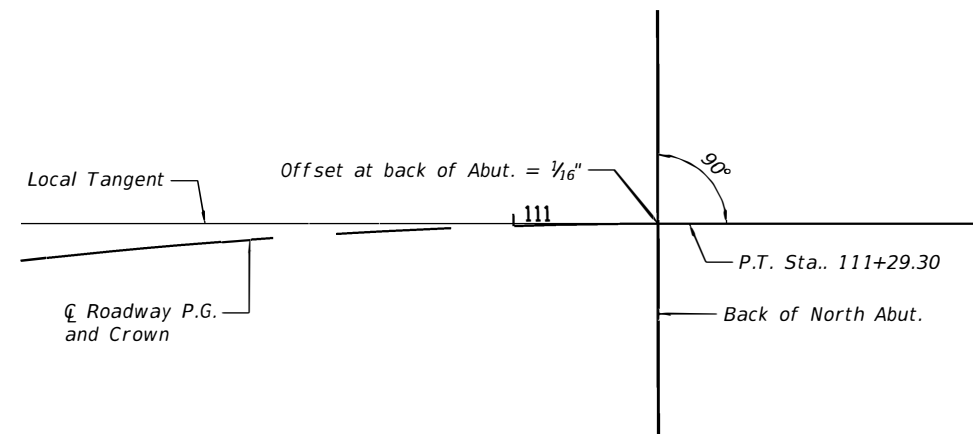
**TOTAL BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
Removal Of Existing Superstructures	Each	1
Concrete Structures	Cu Yd	9
Concrete Superstructure	Cu Yd	45
Bridge Deck Grooving	Sq Yd	320
Form Liner Textured Surface	Sq Ft	378
Protective Coat	Sq Yd	705
Concrete Superstructure (Approach Slab)	Cu Yd	48
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq Ft	2,828
Reinforcement Bars, Epoxy Coated	Pound	13,566
Name Plates	Each	1
Epoxy Crack Injection	Foot	66
Parapet Railing	Foot	156
Bicycle Railing, Special	Foot	140
Staining Concrete Structures	Sq Ft	378
Bridge Deck Scarification 1 1/4"	Sq Yd	249
Concrete Wearing Surface, 4"	Sq Yd	249
Concrete Wearing Surface, 5"	Sq Yd	314
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	193
Temporary Railing	Foot	80

WAUBONSIE CREEK  
RE-BUILT BY  
CITY OF AURORA  
SEC. 16-00315-00-BR  
STA. 111+44.78  
STR. NO. 045-6015  
LOADING HL-93

**NAME PLATE**  
See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate.  
Cost included with Name Plates.



**OFFSET SKETCH**

HRG PROJECT NO.: 160077  
 HRG PROJ CONTACT:  
 FILE NAME: 160077\_S1r\_GenNotes.dgn  
 PLOT DRIVER: IL\_Pdf\_wPlotter.fg  
 PEN TABLE: plotlabel.tbl



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	DRAWN - WJH	REVISED -
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PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

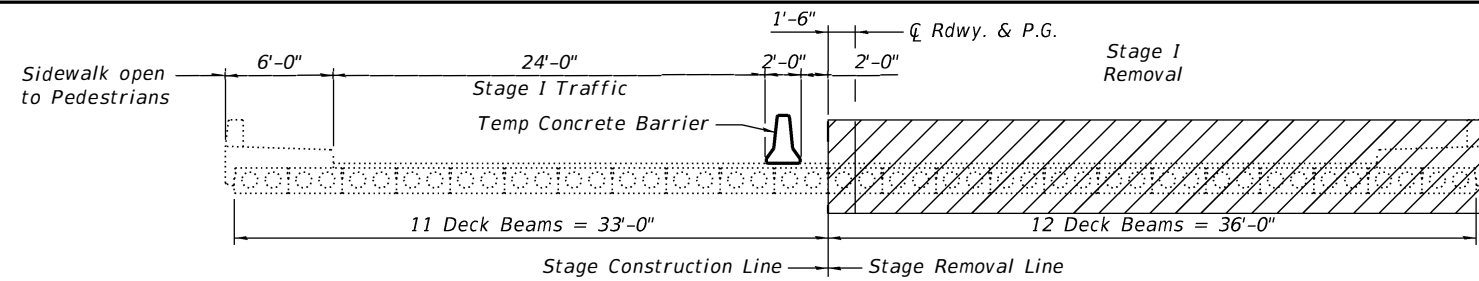
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND BILL OF MATERIALS  
STRUCTURE NO. 045-6015**

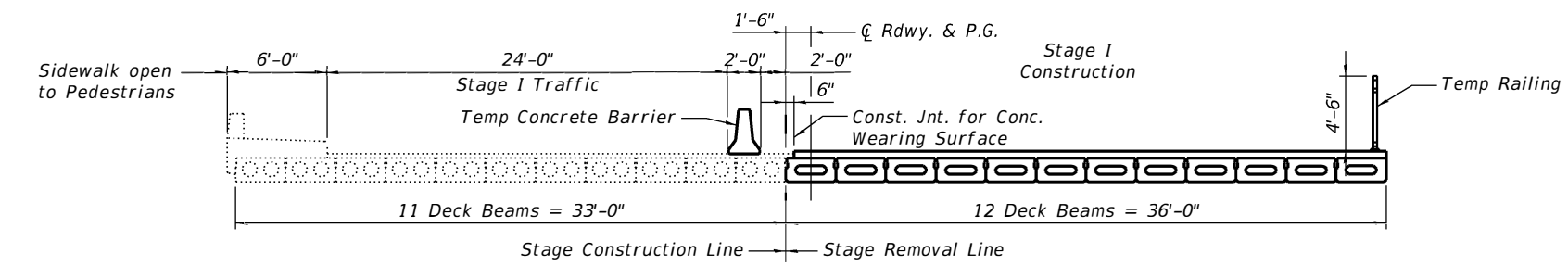
SHEET NO. 2 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	23
CONTRACT NO. 61G75				

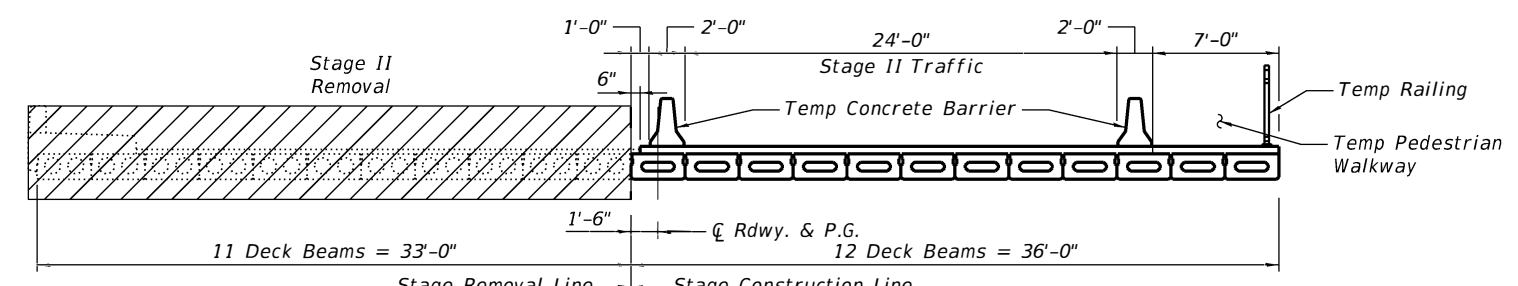
(ILLINOIS) FED. AID PROJECT



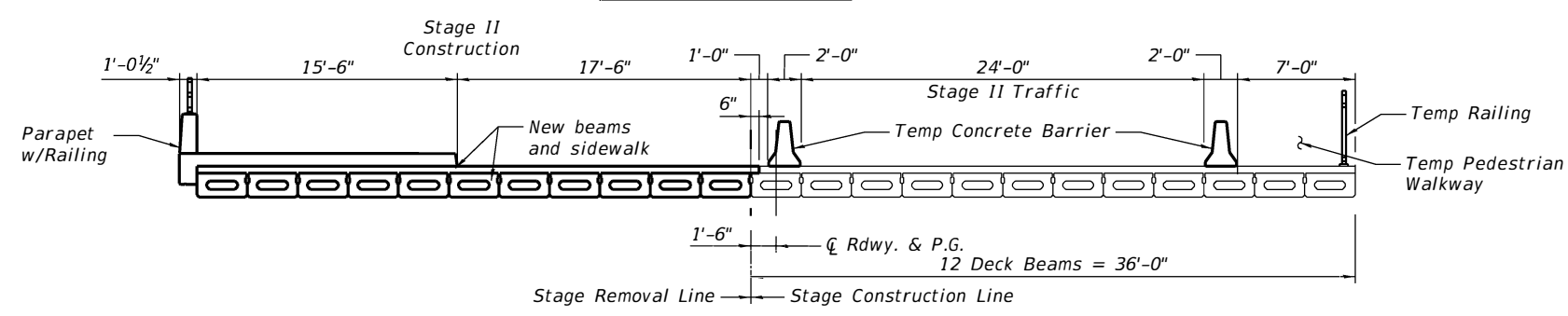
**STAGE I REMOVAL**



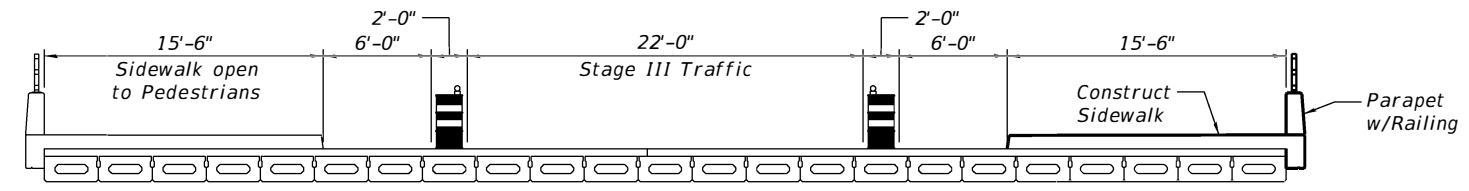
**STAGE I CONSTRUCTION**



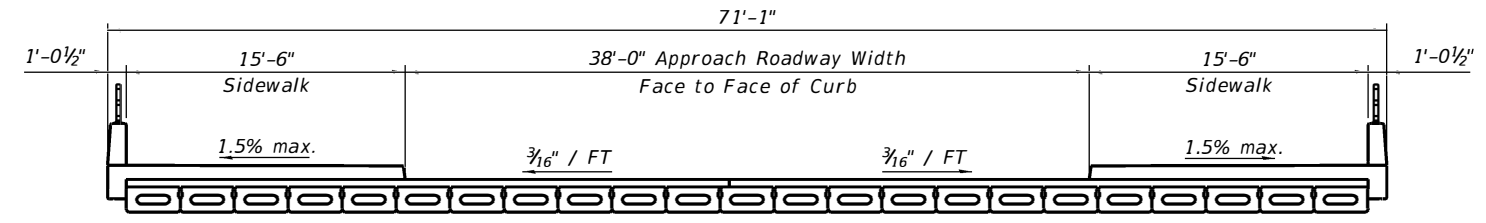
**STAGE II REMOVAL**



**STAGE II CONSTRUCTION**



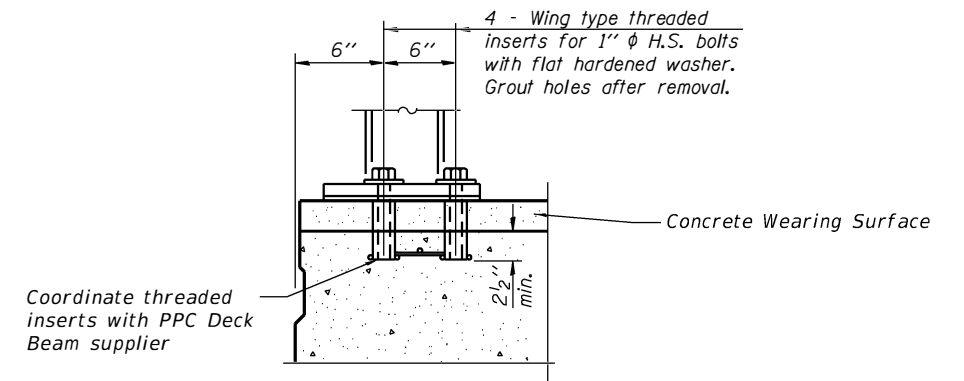
**STAGE III**



**FINAL**

**NOTES**

1. See Suggested Sequence of Construction in Roadway Maintenance of Traffic plans and general notes.
2. Pedestrian access to the Waubonsie Creek Trail Detour shall be maintained during each Stage of Construction.
3. All cross sections are looking South.
4. Hatched area indicates Removal of Existing Superstructures.
5. Assumption of beam placement is that contractor will start at inside beam (near stage construction line) and work their way out to edge beam. Fit up may require contractor to grind/chip sides of existing PPC deck beam adjacent to first beam placement and/or wingwalls at last beam placement.



**TEMPORARY RAILING ANCHORAGE DETAIL**

Temporary railing shall consist of either steel or wood posts and railings with wire mesh or pickets to prevent passage of a 4" sphere thru the lower 2'-8" of rail height. Above 2'-8", the railing shall prevent an 8" sphere from passing.

Rail posts shall be anchored to deck similar to anchorage detail shown here.

Contractor may submit alternative anchorage detail for review by owner's representative. Post spacing and railing members shall be capable of supporting 50 plf applied to top of railing, or a 200 pound point load applied at rail and/or post in any direction.

Contractor shall submit shop drawings of proposed temporary railing details and design calculations to owner's representative for approval.

Temporary railing shall extend across approach slabs. Support of railing posts off of the bridge shall be determined by contractor.

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 HRG PROJ. CONTACT:  
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 PLOT DRIVER: IL\_Pdf.dwg, p1c1c1g  
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	DRAWN - WJH	REVISED -
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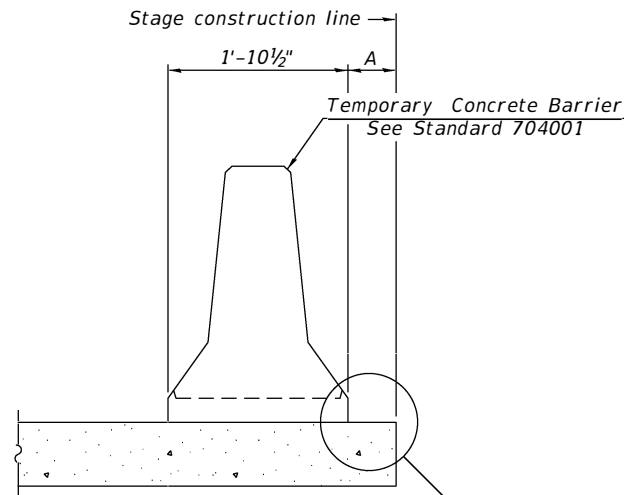
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 045-6015**

SHEET NO. 3 OF 13 SHEETS

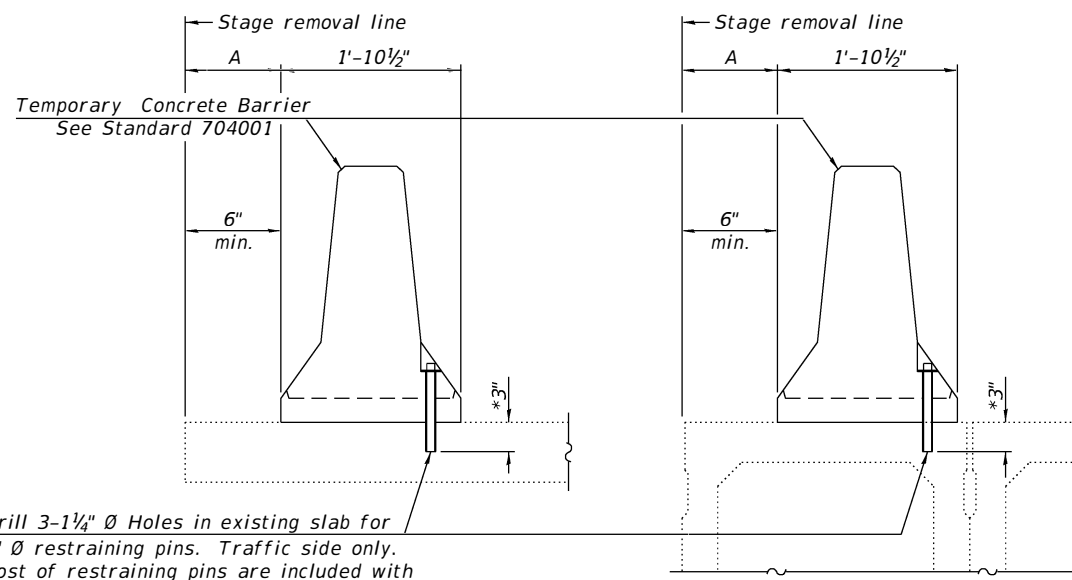
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	24
CONTRACT NO. 61G75				

ILLINOIS FED. AID PROJECT



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

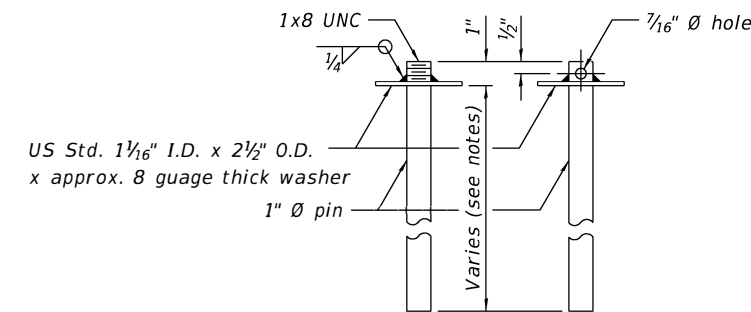


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

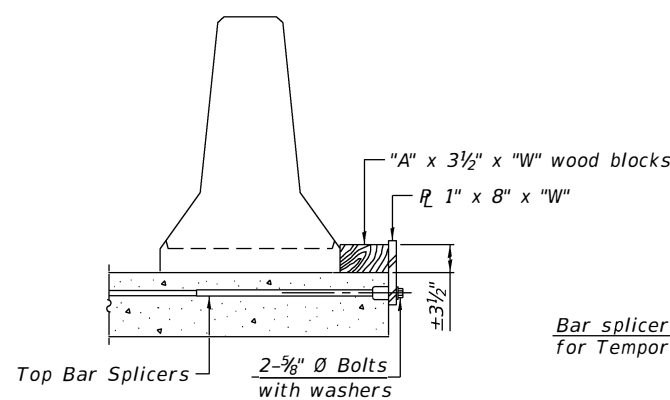
\* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

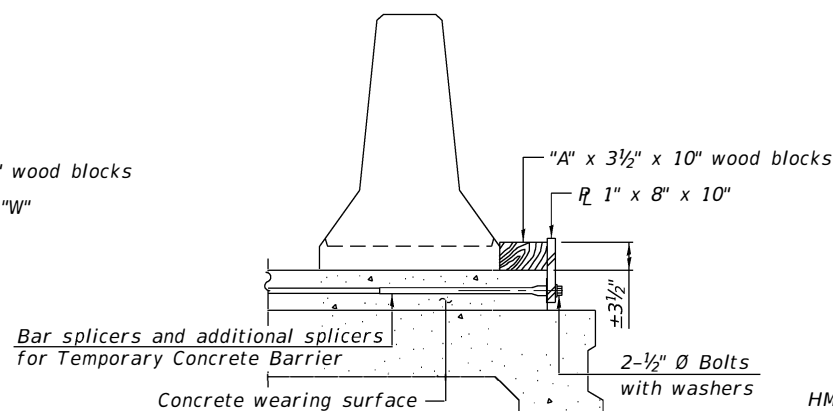


RESTRAINING PIN

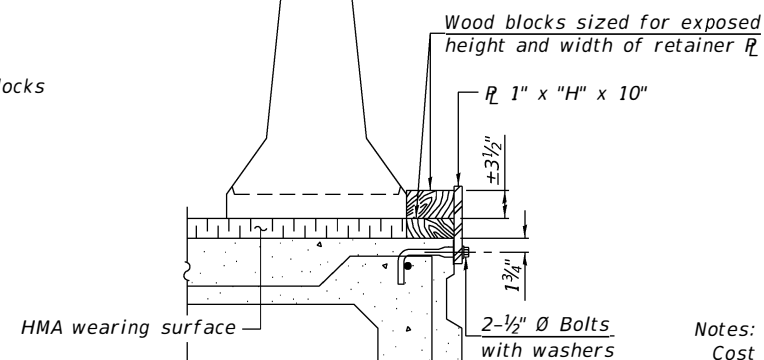
SECTIONS THRU SLAB OR DECK BEAM



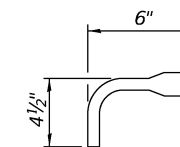
DETAIL I



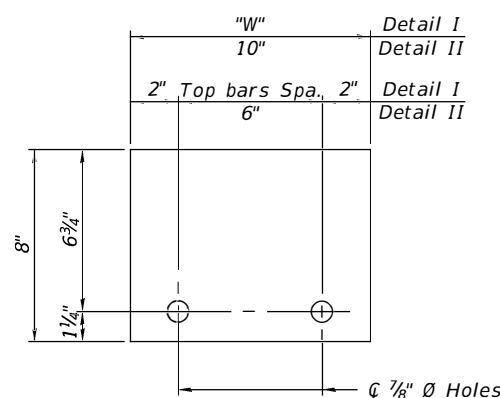
DETAIL II



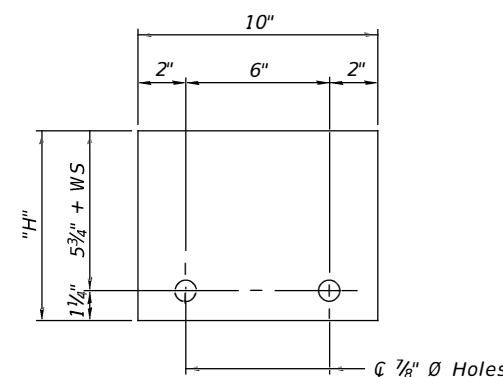
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"  
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"  
(Detail III)

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate C of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

HRG PROJECT NO.: 160077  
HRG PROJ. CONTACT:  
FILE NAME: 160077\_Str\_Temp\_Barrier.dgn  
PLOT DRIVER: IL\_Pdf.dwg, Pctfg  
PEN TABLE: pctlabel.tbl

R-27

2-17-2017



USER NAME = whoad	DESIGNED - JMW	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

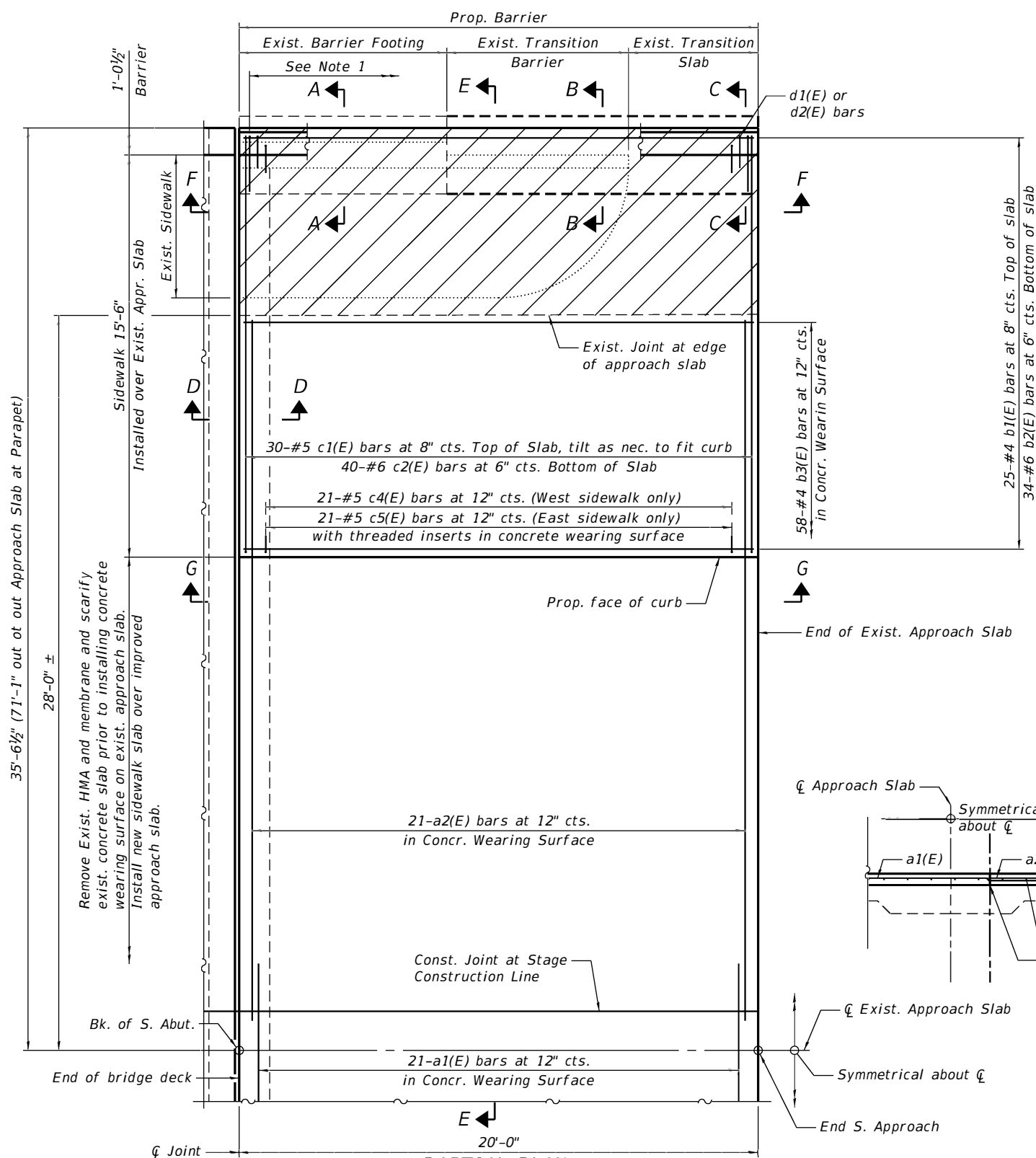
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION  
STRUCTURE NO. 045-6015

SHEET NO. 4 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	25
CONTRACT NO. 61G75				

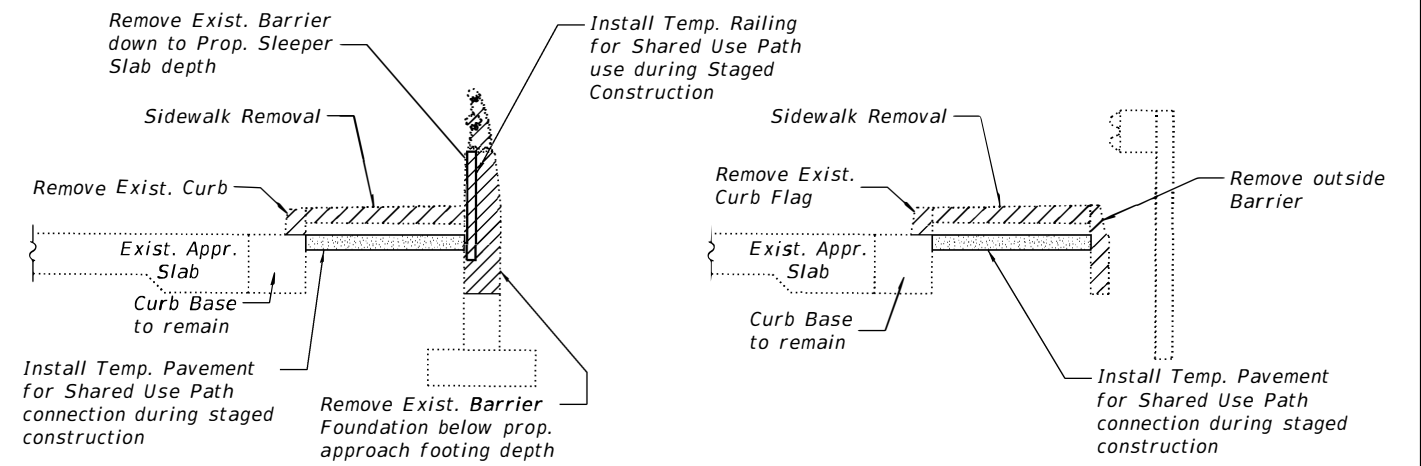
ILLINOIS FED. AID PROJECT





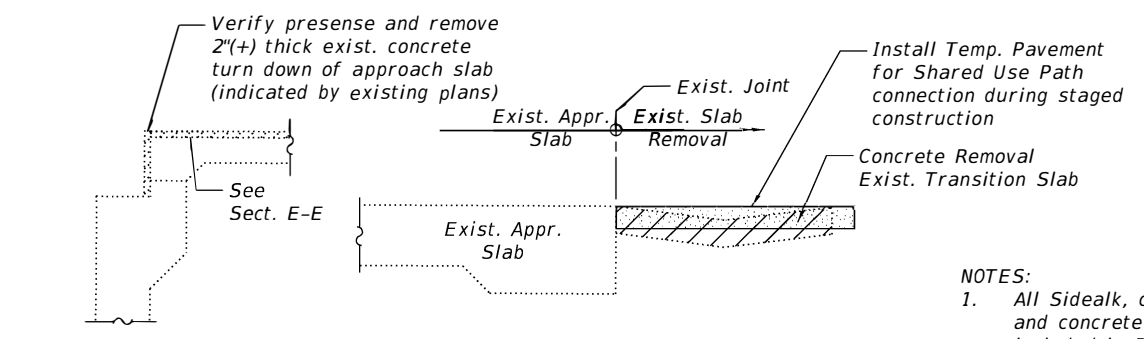
**PARTIAL PLAN**  
South Approach Slab shown. North Approach Slab is similar.

- Notes:
- For edge of approach slab where noted in plan, install 30-#5 c3(E) bars at 8" cts., typ. Lap with each c1(E) bar.



**SECTION A-A REMOVAL DETAILS**

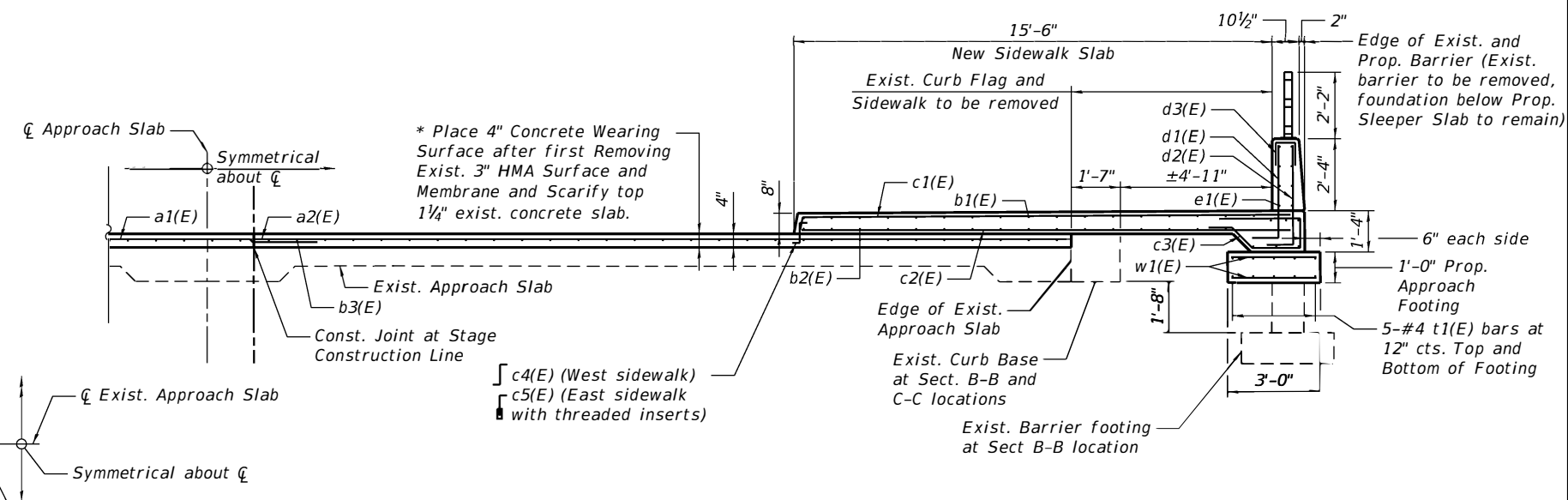
**SECTION B-B REMOVAL DETAILS**



**SECTION D-D**

**SECTION C-C EXISTING TRANSITION SLAB REMOVAL**

- NOTES:
- All Sidewalk, curb, barrier and concrete removal shall be included in Removal of Existing Superstructures
  - All Temp. Pavement for shared use path shall be included in Traffic Control and Protection.



**CROSS SECTION E-E AT APPROACH SLAB**

\* = Final scarify depth and prop. wearing surface depth at approach slabs shall be field verified for matching prop. bridge deck elev.

HRG PROJECT NO.: 160077  
 HRG PROJ. CONTACT:  
 FILE NAME: 160077\_S1r\_Approach04.dgn  
 PLOT DRIVER: IL\_Pdf.dwg  
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HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

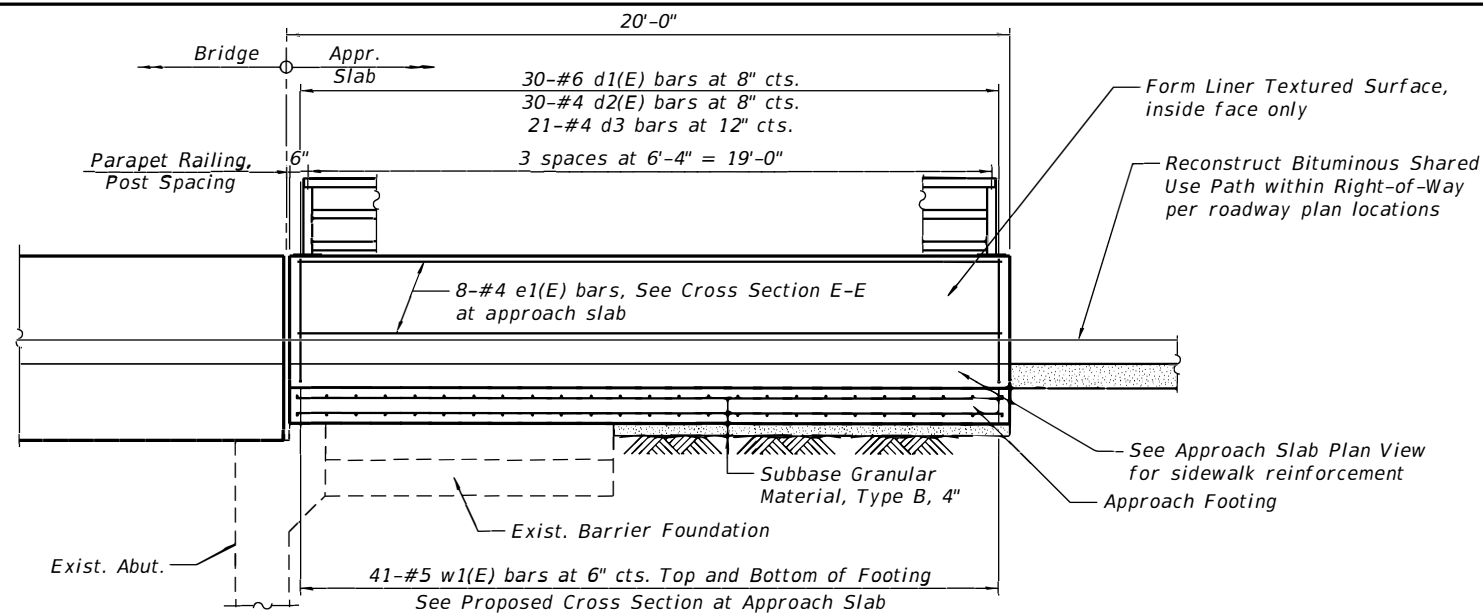
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PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

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

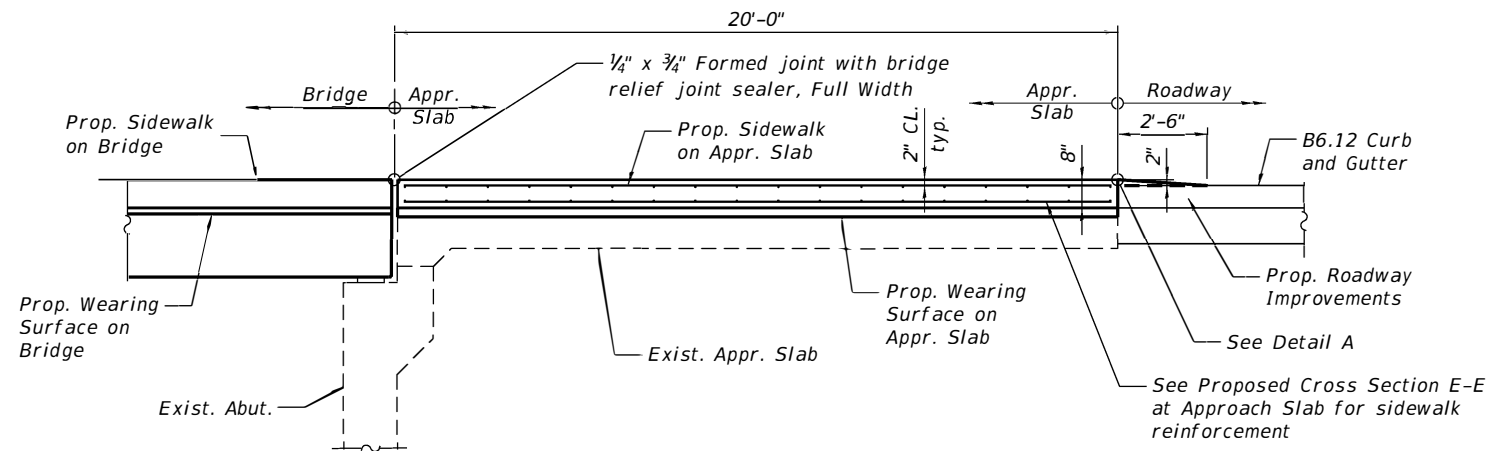
**APPROACH PAVEMENT AND**  
**APPROACH PEDESTRIAN PATH DETAILS**  
**STRUCTURE NO. 045-6015**  
 SHEET NO. 5 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	26
CONTRACT NO. 61G75				

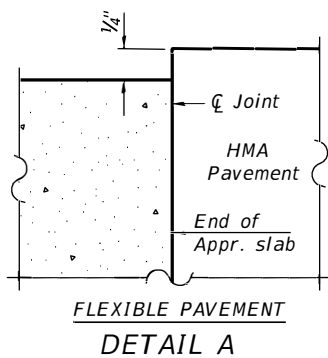
ILLINOIS FED. AID PROJECT



SECTION F-F



SECTION G-G

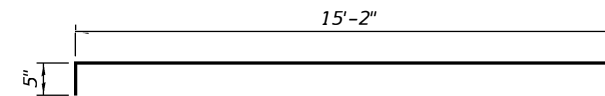


FLEXIBLE PAVEMENT  
DETAIL A

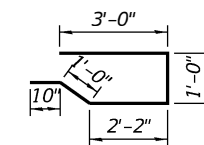
Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.  
Parapet concrete shall be paid for as Concrete Superstructure.  
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).  
Approach footing concrete shall be paid for as Concrete Structures.  
The approach footing maximum applied service bearing pressure ( $Q_{max}$ ) = 2.0 ksf.  
Cost of excavation for approach footing included with Concrete Structures.

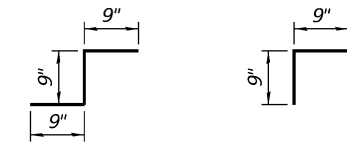
Threaded inserts, where called for, are included in cost of Reinforcement Bars, Epoxy Coated.



BAR c1(E)

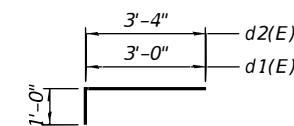


BAR c3(E)

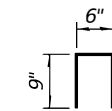


BAR c4(E)

BAR c5(E)



BARS d1(E) & d2(E)



BAR d3(E)

TWO APPROACHES  
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a1 (E)	21	#4	30'- 10"	—
a2 (E)	21	#4	26'- 2"	—
b1 (E)	50	#4	19'- 8"	—
b2 (E)	68	#6	19'- 8"	—
b3 (E)	58	#6	19'- 8"	—
c1 (E)	60	#5	15'- 7"	┌
c2 (E)	80	#6	15'- 2"	—
c3 (E)	60	#5	8'- 0"	┌
c4 (E)	21	#5	2'- 3"	┌
c5 (E)	21	#5	1'- 6"	┌
e1 (E)	16	#4	19'- 8"	—
d1 (E)	60	#6	4'- 0"	┌
d2 (E)	60	#4	4'- 4"	┌
d3 (E)	42	#4	2'- 0"	—
t1 (E)	20	#4	19'- 8"	—
w1 (E)	164	#5	2'- 6"	—
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)			CU. YD.	48.0
CONCRETE STRUCTURES			CU. YD.	9.0
REINFORCEMENT BARS, EPOXY COATED			POUND	4,181
CONCRETE WEARING SURFACE, 4"			SQ. YD.	249.0
BRIDGE DECK SCARIFICATION, 1 1/4"			SQ. YD.	249.0

HRG PROJECT NO.: 160077  
HRG PROJ. CONTACT:  
FILE NAME: 160077\_S1r\_Approach02.dgn  
PLOT DRIVER: IL\_Pdf.dwg,plc,ctg  
PEN TABLE: plc/label.tbl

HRGreen.com  
Illinois Professional Design Firm  
#184-001322

USER NAME = whoad	DESIGNED - JMW	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

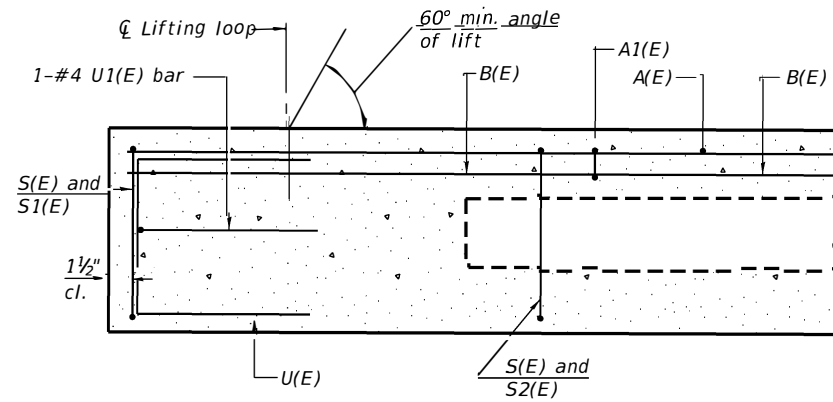
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROACH PAVEMENT AND  
APPROACH PEDESTRIAN PATH DETAILS  
STRUCTURE NO. 045-6015

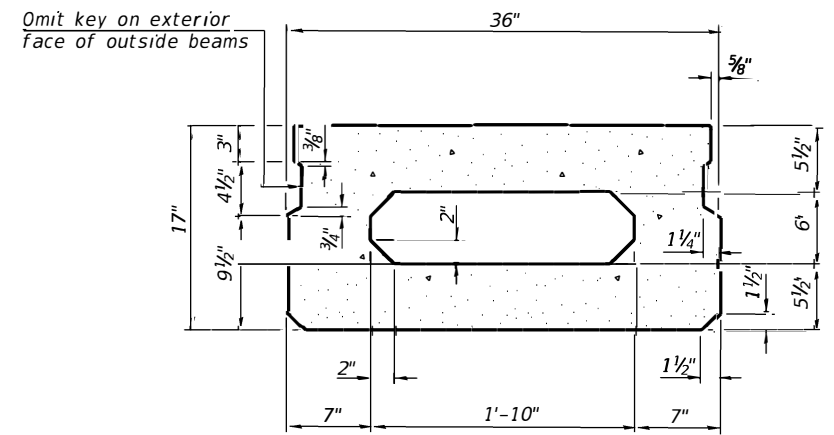
SHEET NO. 6 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	27
CONTRACT NO. 61G75				

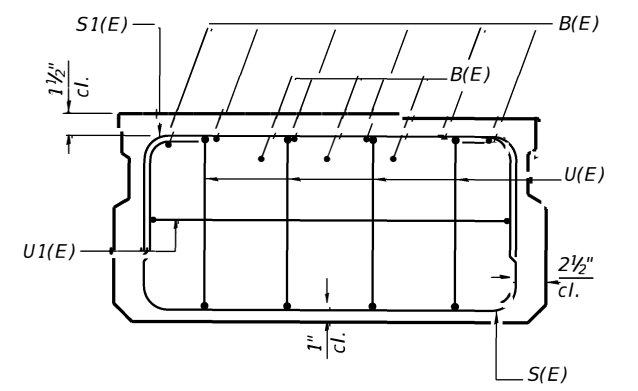
ILLINOIS FED. AID PROJECT



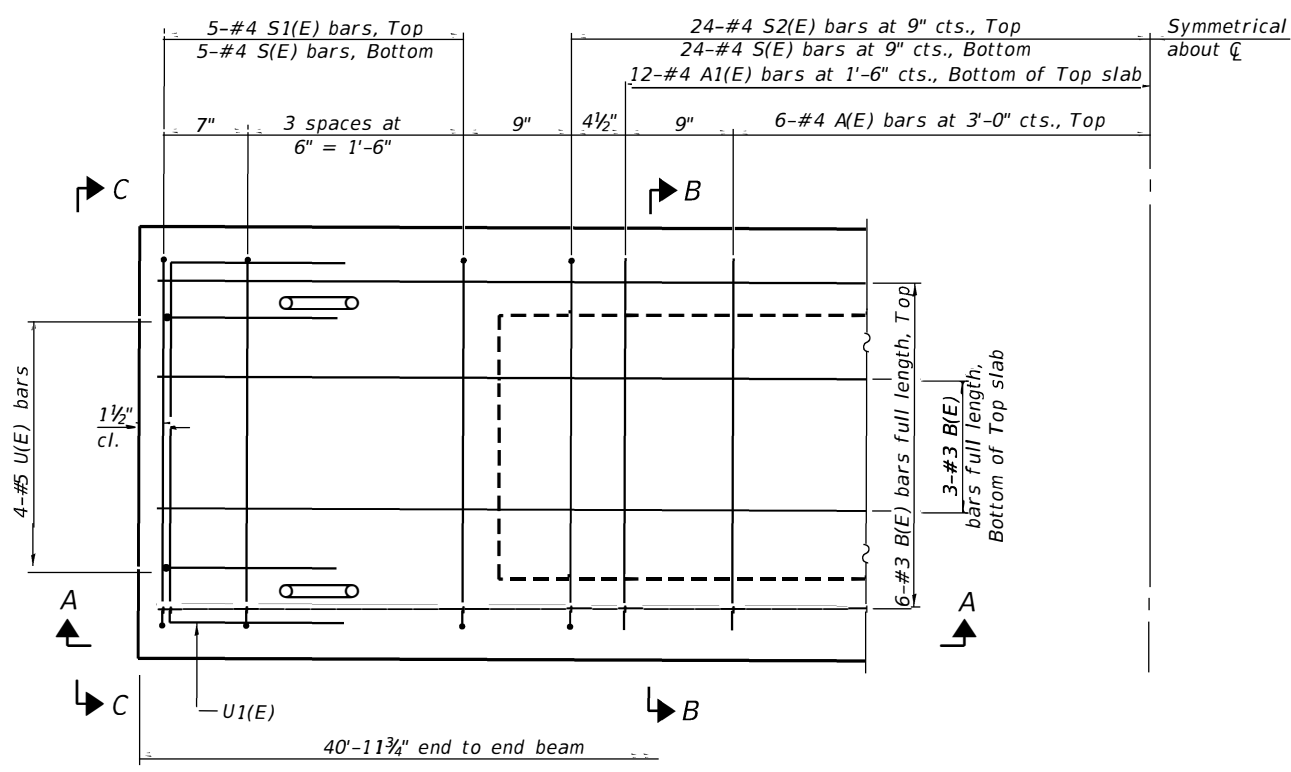
SECTION A-A



SECTION B-B  
(Showing dimensions)

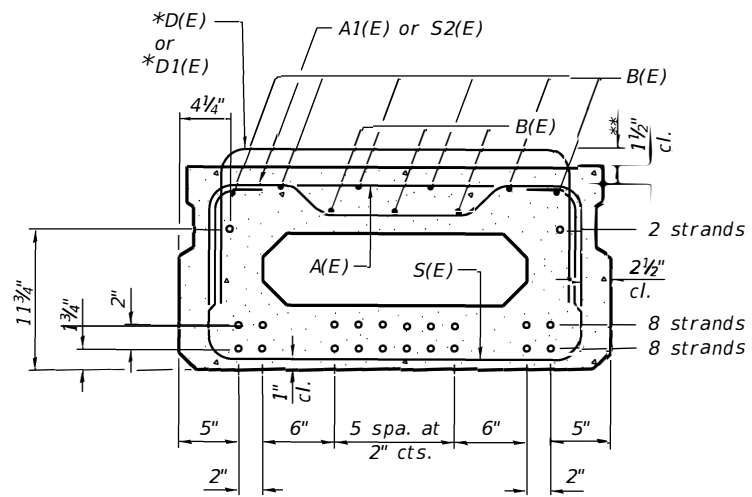


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B  
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP

- #3 bar = 1'-6"
- #4 bar = 1'-11"
- #5 bar = 2'-6"

BAR LIST  
ONE BEAM ONLY  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	14	#4	2'-7"	—
A1(E)	24	#4	2'-10"	—
B(E)	9	#3	40'-4"	—
D(E)	55	#4	5'-7"	□
D1(E)	55	#4	4'-11"	□
S(E)	58	#4	5'-9"	□
S1(E)	10	#4	4'-3"	□
S2(E)	48	#4	4'-6"	□
U(E)	8	#5	3'-8"	□
U1(E)	2	#4	5'-0"	□

\* = D(E) & D1(E) bars in the table above are for one beam only. D(E) bars are required at the west exterior beam only at 9" cts. At east exterior beam substitute with D1(E) bars.

\*\* = D(E) bars extend above beam 8". D1(E) bars extend above beam 3 1/2".

HRG PROJECT NO.: #0077  
 HRG PROJ. CONTACT:  
 FILE NAME: #0077.Str-BeamDetail.dgn  
 PLOT DRIVER: L:\pdf\dwgplotter  
 PEN TABLE: plotlabel.tbl



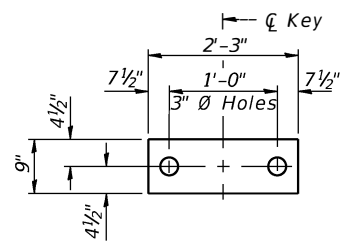
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	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

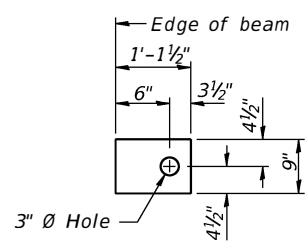
17" x 36" PPC DECK BEAM  
STRUCTURE NO. 045-6015

SHEET NO. 7 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	28
CONTRACT NO. 61G75			ILLINOIS FED. AID PROJECT	



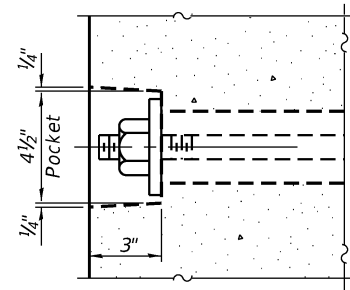
**FABRIC BEARING PAD**  
(Interior) 44 Req'd



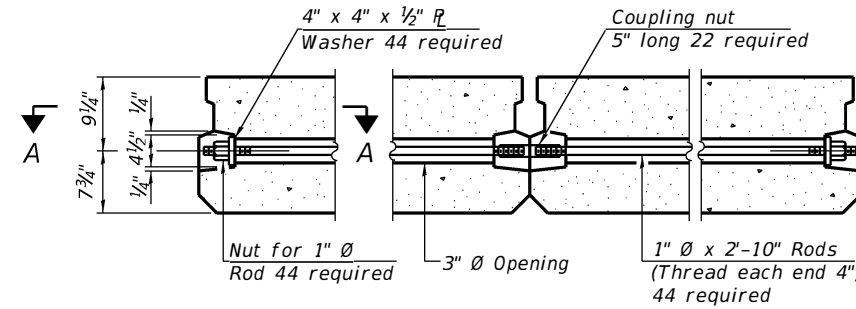
**FABRIC BEARING PAD**  
(Exterior) 4 Req'd

**FIXED**

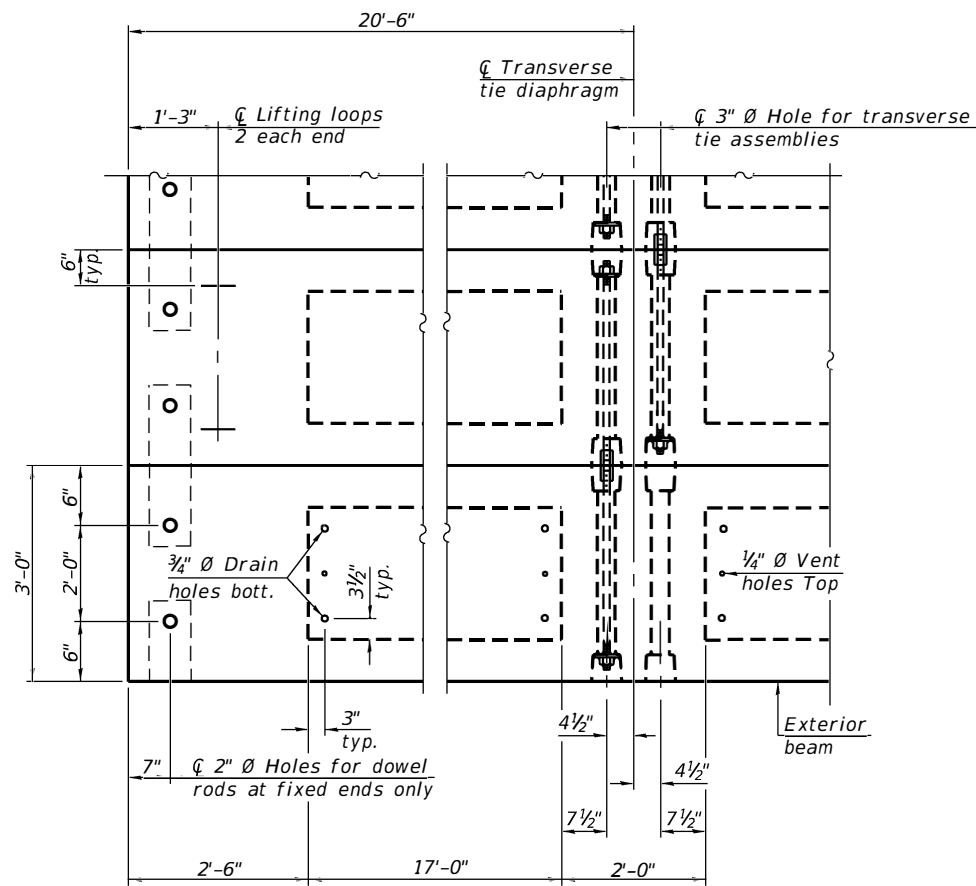
Notes:  
All bearing pads shall be 1" thick.



**SECTION A-A**

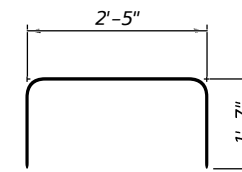


**TYPICAL TRANSVERSE TIE ASSEMBLY**

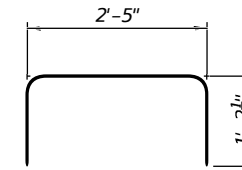


**PLAN VIEW**

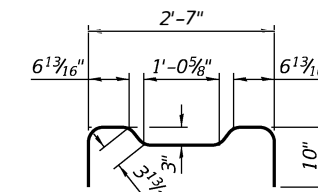
Note: Connect beams in pairs with the transverse tie configuration shown.



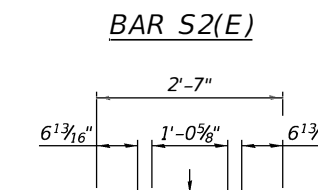
**BAR D(E)**



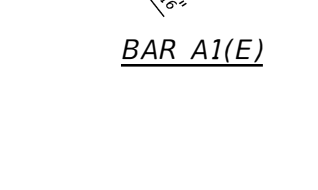
**BAR D1(E)**



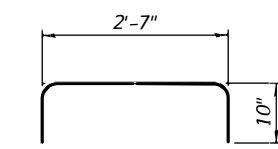
**BAR S(E)**



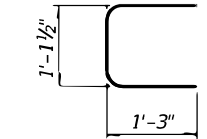
**BAR S2(E)**



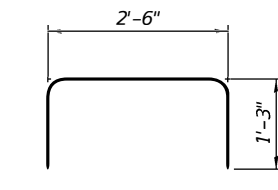
**BAR A1(E)**



**BAR S1(E)**



**BAR U(E)**



**BAR U1(E)**

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.

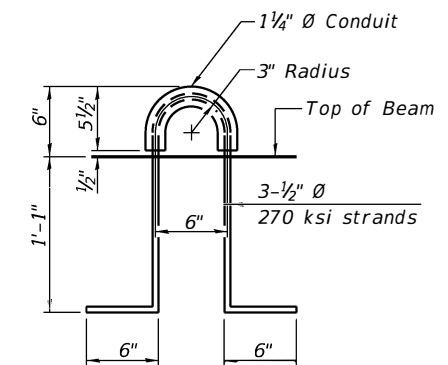
The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi. Dowel Locations in Fabric Bearing Pads differ from standard details in order to avoid existing dowel locations of PPC Deck Beams being replaced.

Existing Dowels shall be cut off, ground flush with abutment bearing seat and epoxy coated.



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	2,828
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HRG PROJECT NO.: 160077  
HRG PROJ. CONTACT:  
FILE NAME: 160077\_S1r\_BeamDetail.dgn  
PLOT DRIVER: IL\_Pdf.dwg, P1c1g  
PEN TABLE: plotlabel.tbl



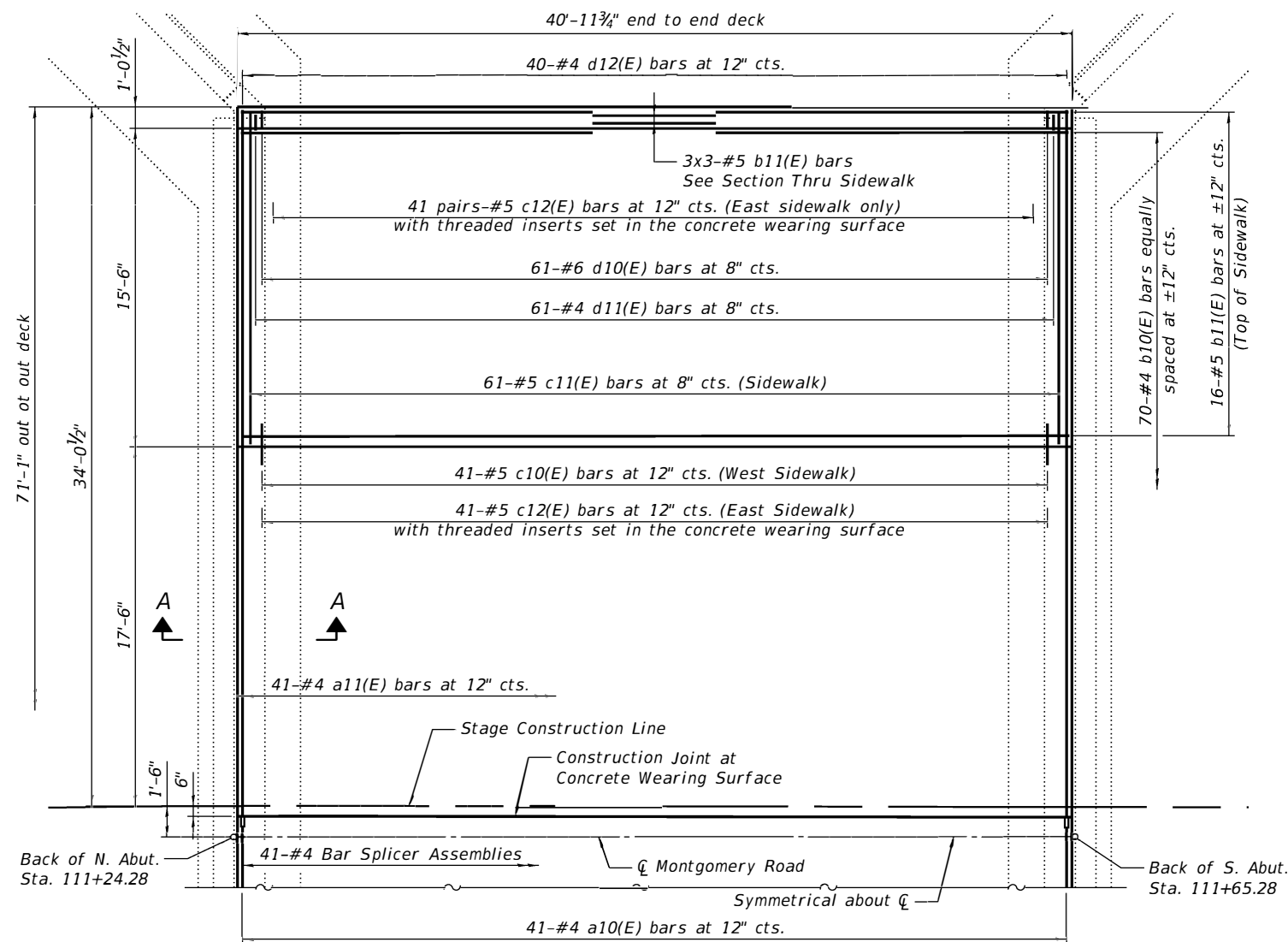
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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 8/24/2020	CHECKED - AEU	REVISED -
	DATE - 7/24/2020	REVISED -

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

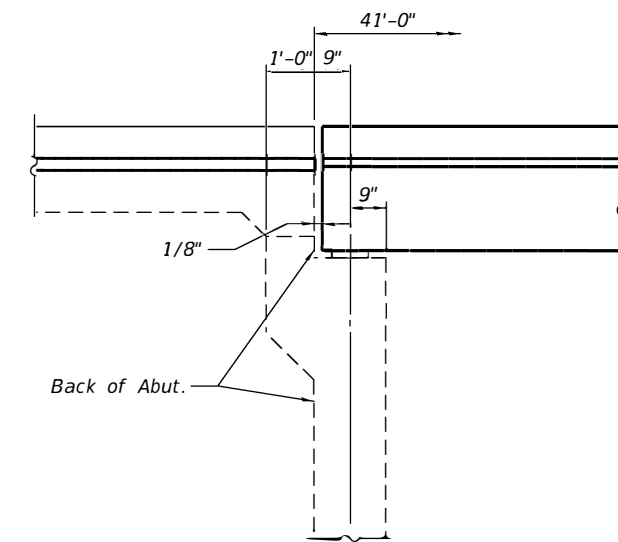
**17" x 36" PPC DECK BEAM DETAILS**  
**STRUCTURE NO. 045-6015**

SHEET NO. 8 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	29
			CONTRACT NO. 61G75	
ILLINOIS FED. AID PROJECT				

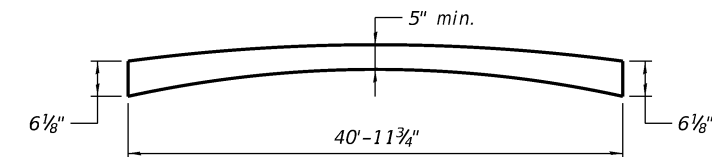


**PARTIAL PLAN**



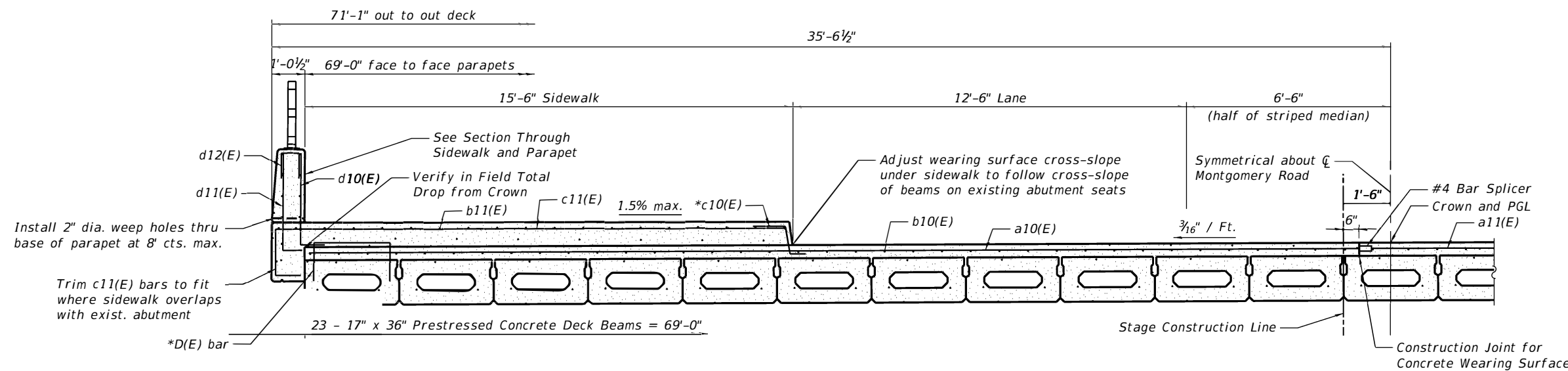
**SECTION A-A**

This section does not include sidewalk



**ANTICIPATED CONCRETE WEARING SURFACE PROFILE**

(For information only)  
Thickness is based on calculated camber and deflection of PPC Deck Beams. Actual camber of individual units may vary up to  $\pm 1/2$ ". Adjust thickness to match PGL and cross shape.



**PARTIAL SECTION**

Looking South

\* = D(E) and c10(E) bars will extend into sidewalk pour on West side of bridge only. See next sheet for how east side of bridge differs.

HRG PROJECT NO.: 160077  
HRG PROJ. CONTACT:  
FILE NAME: 160077\_Str\_Superstructure.dgn  
PLOT DRIVER: IL\_Pdf.dwg  
PEN TABLE: plotlabel.tbl



USER NAME = whoad	DESIGNED - JMW	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 8/24/2020	DATE - 7/24/2020	REVISED -

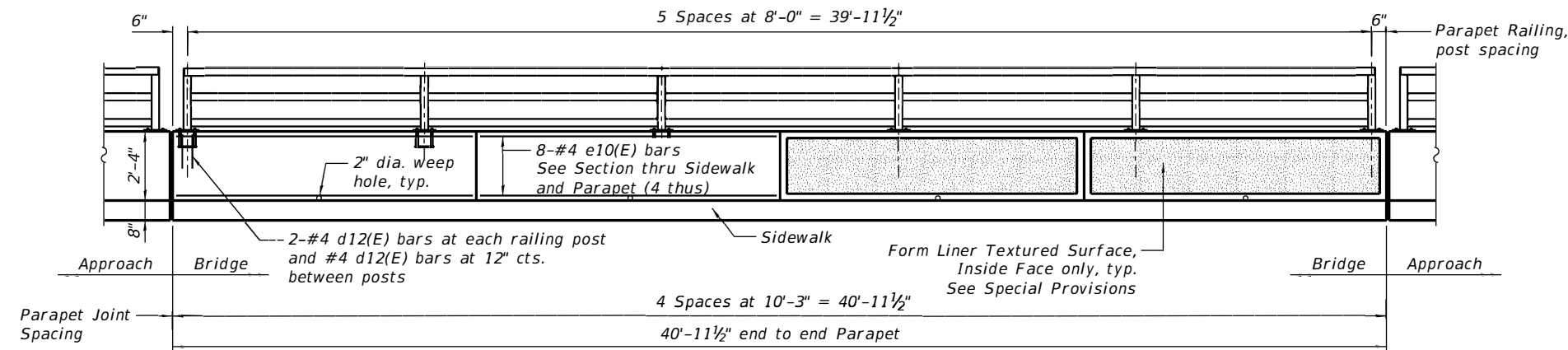
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS  
STRUCTURE NO. 045-6015**

SHEET NO. 9 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	30
CONTRACT NO. 61G75				

ILLINOIS FED. AID PROJECT

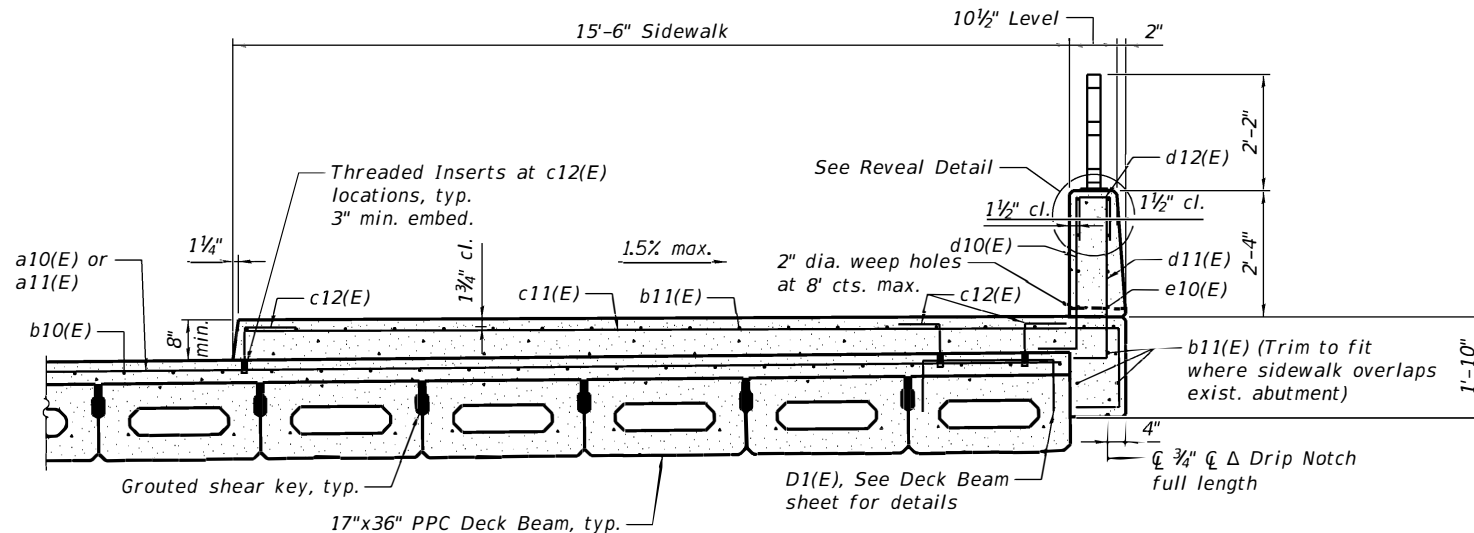


SHOWING REINFORCEMENT

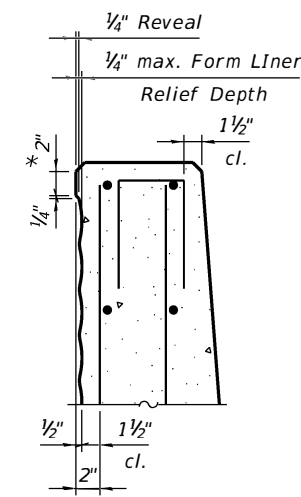
SHOWING FORM LINER

INSIDE ELEVATION OF PARAPET

NOTE:  
All exposed surfaces of the parapets shall be stained. See Special Provisions

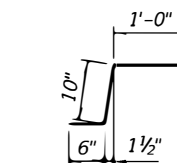


SECTION THRU SIDEWALK AND PARAPET

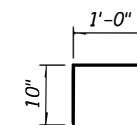


REVEAL DETAIL

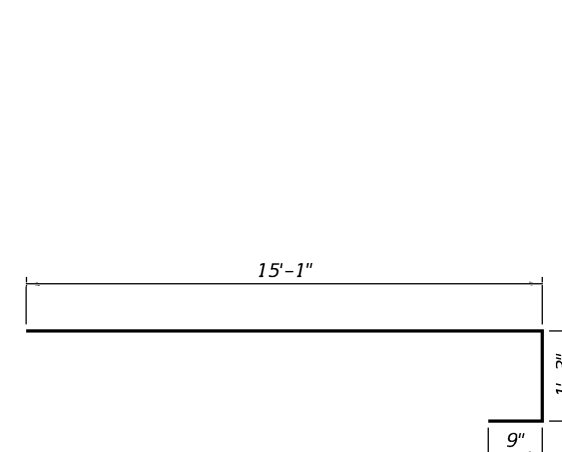
\* All around unless noted otherwise



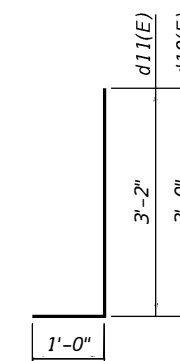
BAR c10(E)



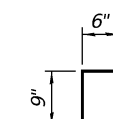
BAR c12(E)



BAR c11(E)



BARS d10(E) and d11(E)



BAR d12(E)

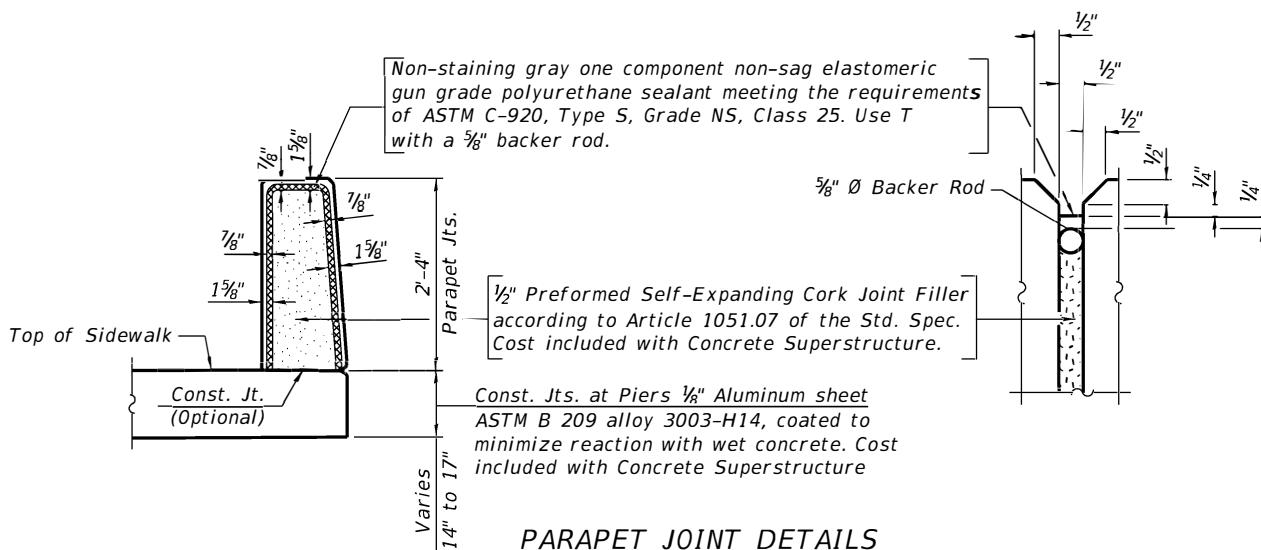
SUPERSTRUCTURE  
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a10 (E)	41	#4	33'- 3"	—
a11 (E)	41	#4	35'- 2"	—
b10 (E)	70	#4	40'- 4"	—
b11 (E)	38	#5	40'- 4"	—
c10 (E)	82	#5	2'- 4"	┌
c11 (E)	122	#5	17'- 1"	┌
c12 (E)	123	#5	1'- 10"	┌
d10 (E)	122	#6	4'- 0"	┌
d11 (E)	122	#4	4'- 2"	┌
d12 (E)	80	#4	2'- 0"	—
d13 (E)	80	#4	4'- 6"	—
e10 (E)	64	#4	9'- 10"	—
CONCRETE SUPERSTRUCTURE			CU. YD.	45.0
REINFORCEMENT BARS, EPOXY COATED			POUND	9,385
CONCRETE WEARING SURFACE, 5"			SQ. YD.	314.1

\*\* Length of bar is based on maximum depth of hole, adjust as required per manufacturer's recommendations.

Threaded inserts, where called for, are included in cost of Reinforcement Bars, Epoxy Coated.

Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.



PARAPET JOINT DETAILS

HRG PROJECT NO.: 160077  
HRG PROJ. CONTACT:  
FILE NAME: 160077-Str. Railing Details.dwg  
PLOT DRIVER: IL\_Pdf.dwg  
PEN TABLE: plotlabel.tbl



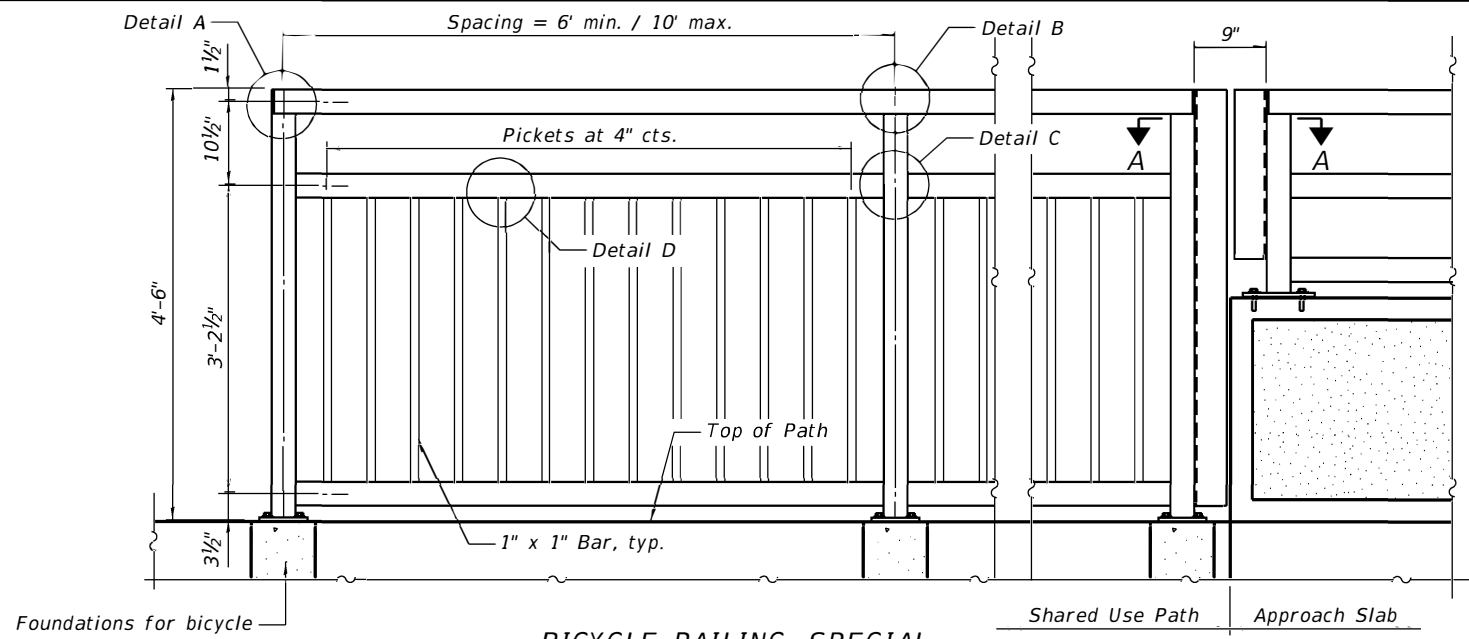
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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 8/24/2020	CHECKED - AEU	REVISED -
	DATE - 7/24/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS  
STRUCTURE NO. 045-6015

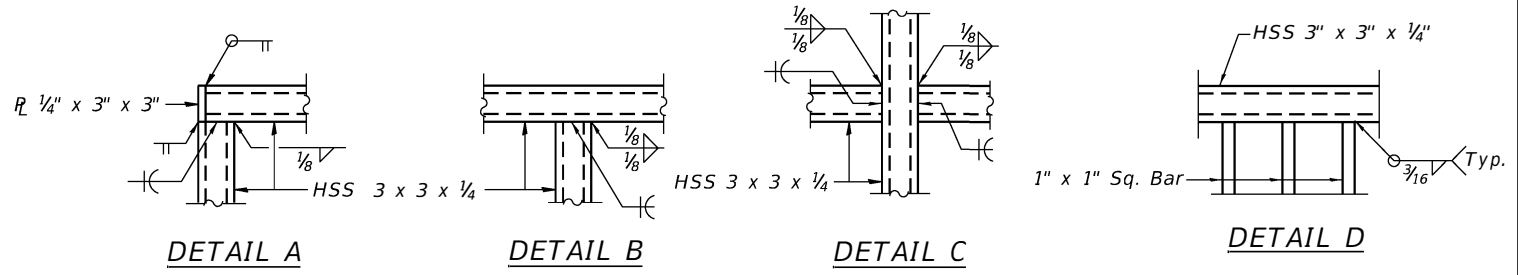
SHEET NO. 10 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	31
CONTRACT NO. 61G75			ILLINOIS FED. AID PROJECT	

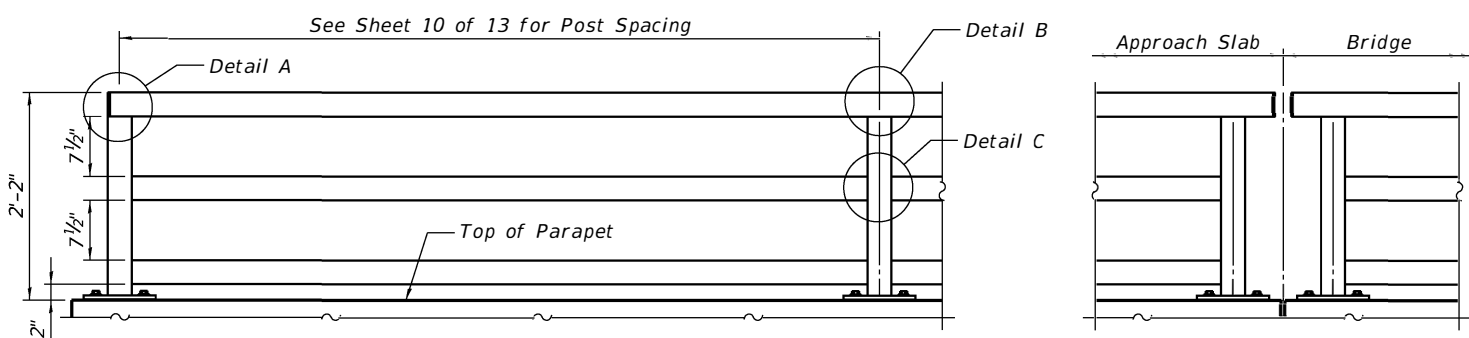


**BICYCLE RAILING, SPECIAL  
ELEVATION**

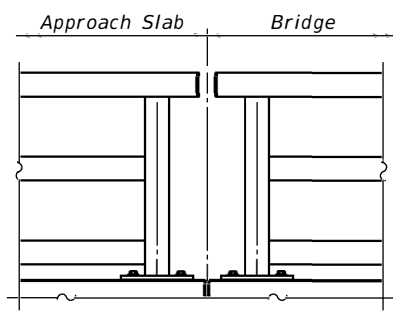
Foundations for bicycle railing posts shall be included in Bicycle Railing, (Special)



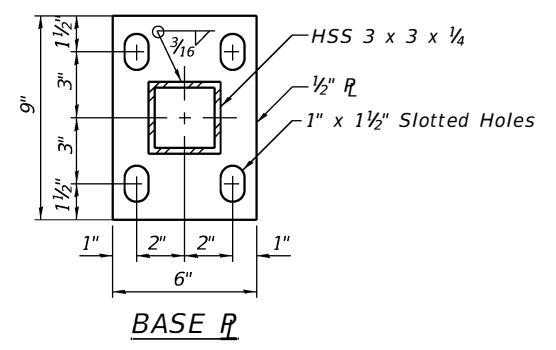
**NOTES:**  
 1. Railings shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing, Special, Parapet Railing or Parapet Railing, Special. See Special Provisions.  
 2. Hollow structural sections shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.  
 3. All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.  
 4. Space reinforcement to miss anchor rods.  
 5. All posts, railing, pickets, splices, anchor devices, and bent plates shall be galvanized according to Article 509.05 of the Standard Specifications and powder coated black. The powder coating system to be used shall be approved by the Engineer prior to the coating process. See Special Provisions.



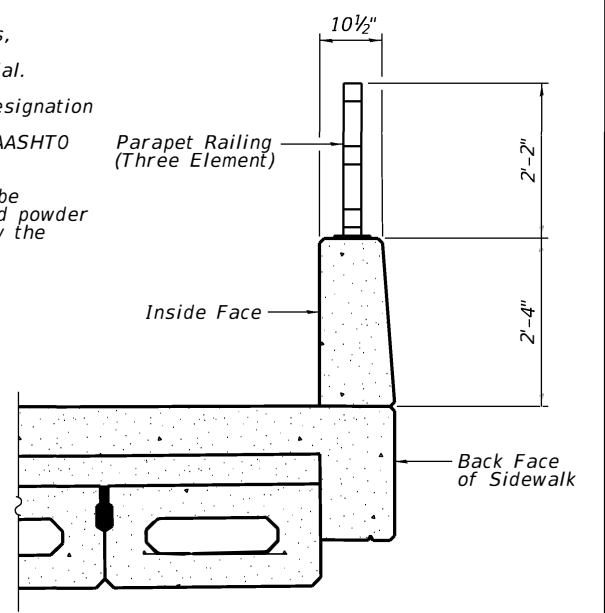
**PARAPET RAILING  
ELEVATION**  
(Inside Face of Three Element Rail)



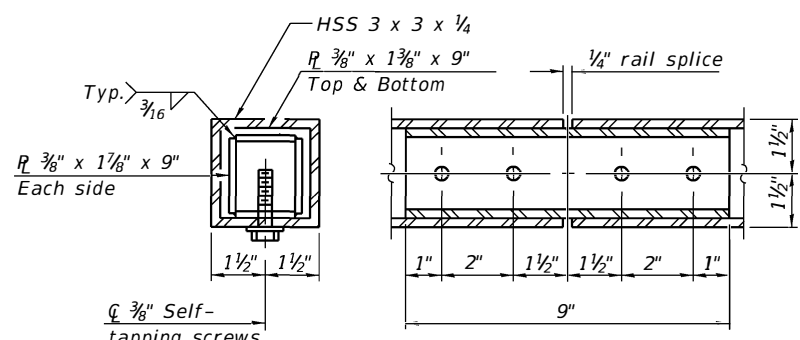
**PARAPET RAILING  
ELEVATION AT ABUTMENTS**



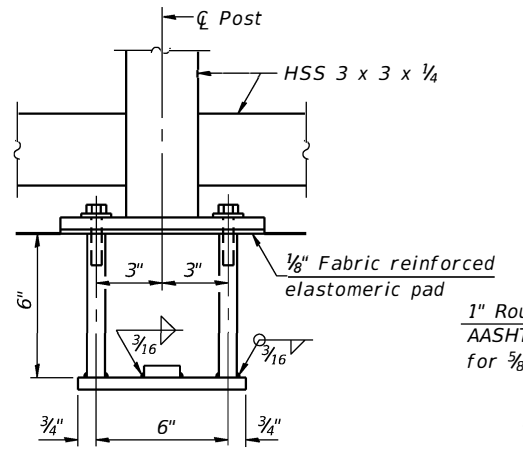
**BASE R**



**SECTION THRU SIDEWALK**

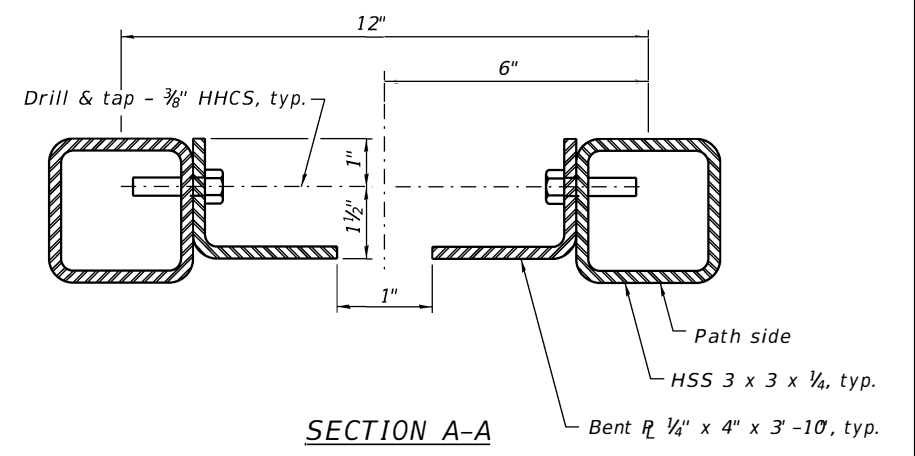
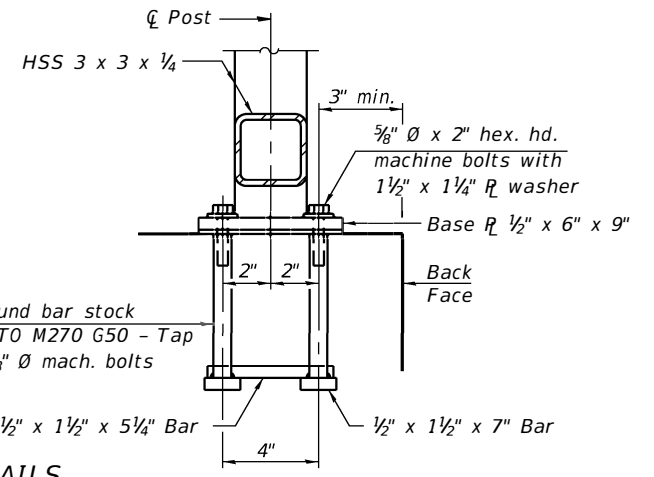


**RAIL SPLICE**



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



**SECTION A-A**

**Notes:**  
 All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.  
 CVN testing may be omitted for the Bicycle Railing.

**BILL OF MATERIAL**

Item	Unit	Quantity
Parapet Railing	Foot	156
Bicycle Railing, Special	Foot	140

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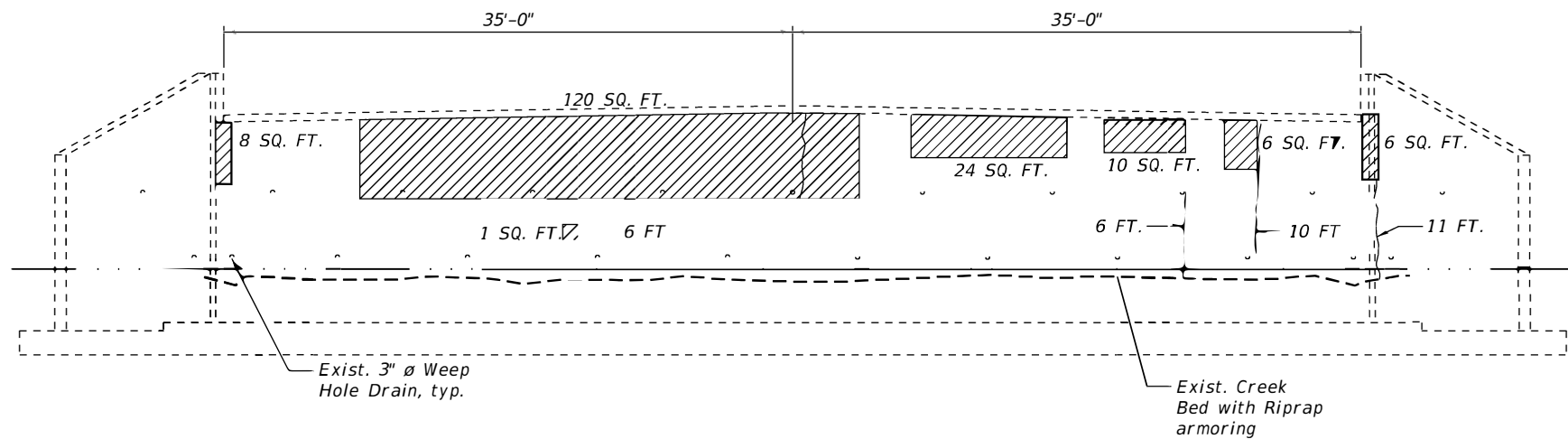


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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BRIDGE RAILING DETAILS  
STRUCTURE NO. 045-6015**  
SHEET NO. 11 OF 13 SHEETS

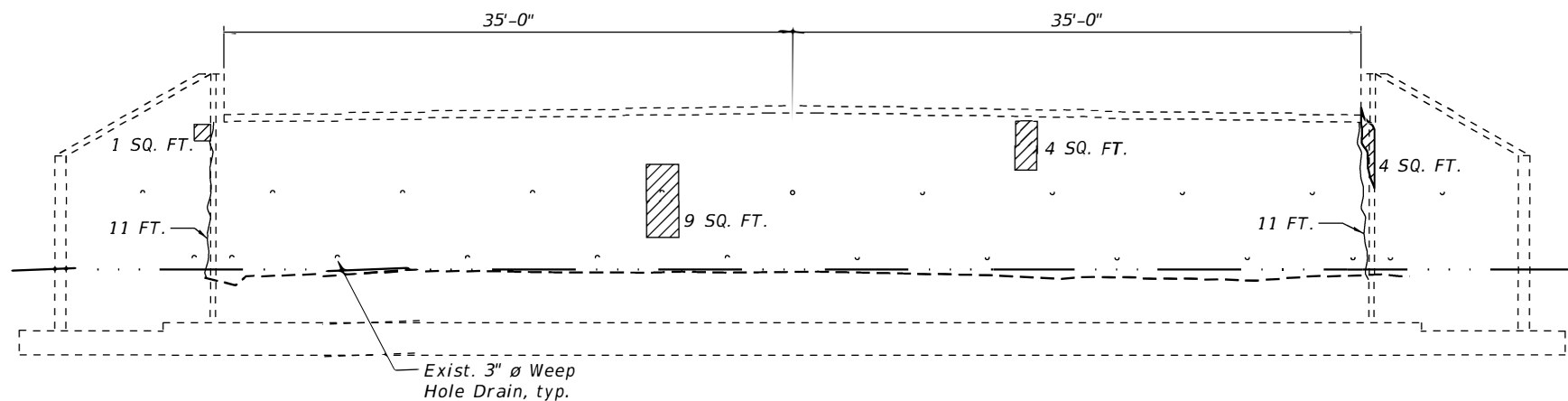
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1110	16-00315-00-BR	KANE	44	32
CONTRACT NO.			61G75	
ILLINOIS FED. AID PROJECT				



**NORTH ABUTMENT ELEVATION**

- LEGEND**
-  = Structural Repair of Concrete, (Depth Equal to or Less than 5 Inches) SQ. FT., as noted
  -  = Epoxy Crack Injection, FT., as noted

- Notes:**
1. No equipment may enter the waterway, and no tracked or wheeled equipment may operate beyond the limits of temporary erosion barrier on the erosion control sheets.
  2. Repairs to existing abutment and wing walls are assumed to occur during the stage of construction in which removal of the existing PPC Deck Beams above occur. Use of temporary scaffolding attached to abutment(s) and bearing on creek bed is an example acceptable equipment use.



**SOUTH ABUTMENT ELEVATION**

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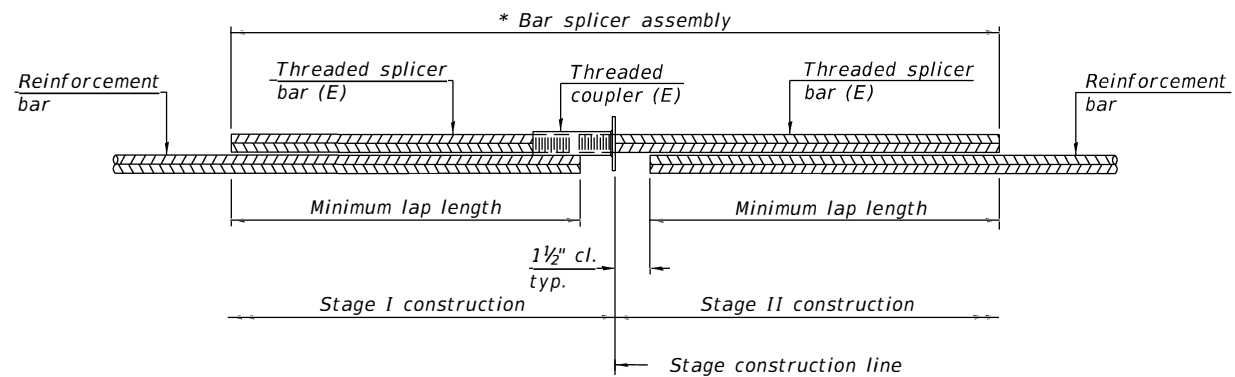
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT REPAIR DETAILS  
STRUCTURE NO. 045-6015**

SHEET NO. 12 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G75			ILLINOIS FED. AID PROJECT	



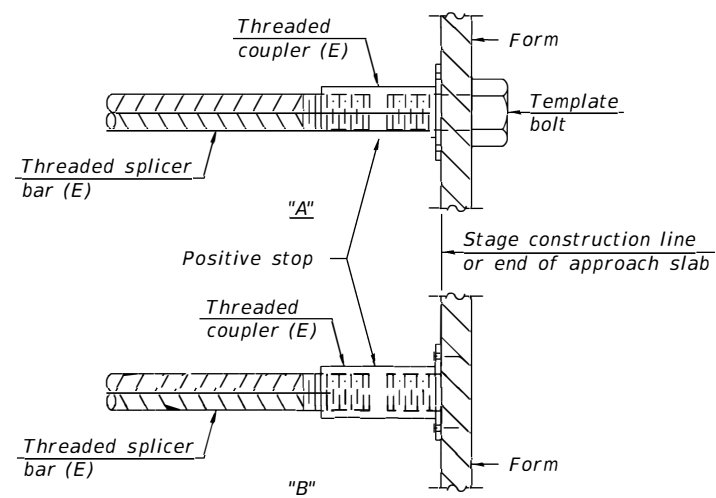


**STANDARD BAR SPLICER ASSEMBLY PLAN**  
(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bridge Conc. Wearing Surface	#4	41	2'-5"



**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.

**Notes:**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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**BSD-1**

1-1-2020



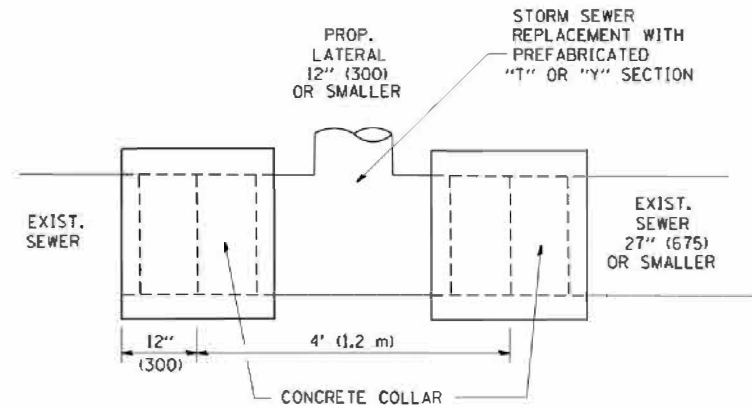
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
STRUCTURE NO. 045-6015**

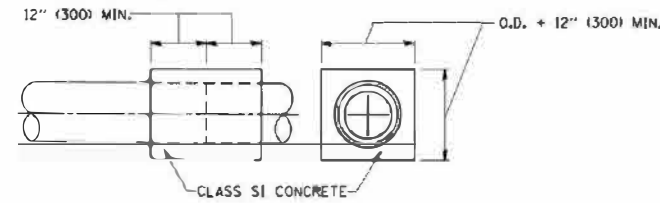
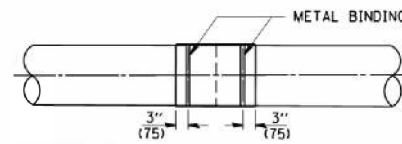
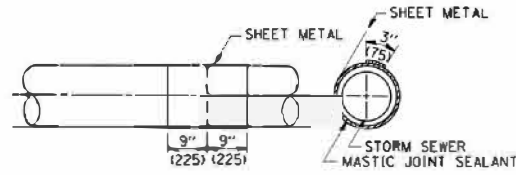
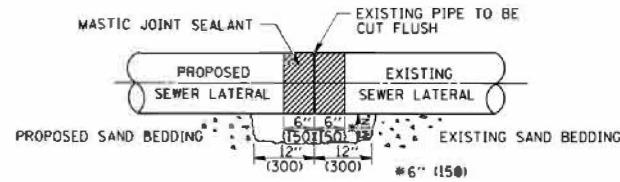
SHEET NO. 13 OF 13 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1110	16-00315-00-BR	KANE	44	34
CONTRACT NO. 61G75			ILLINOIS FED. AID PROJECT	



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

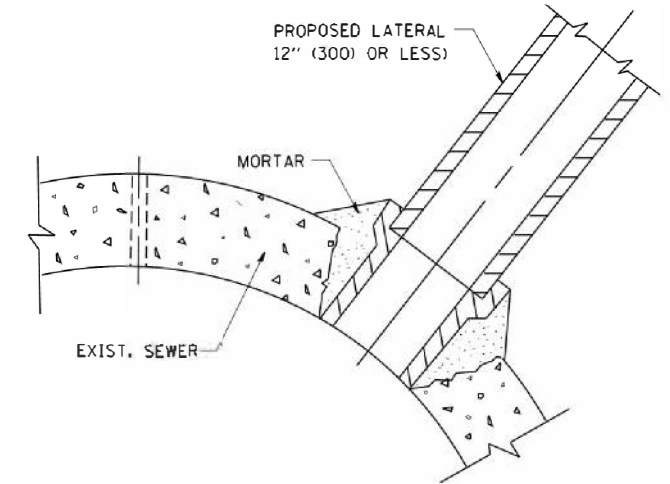


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 I.I. (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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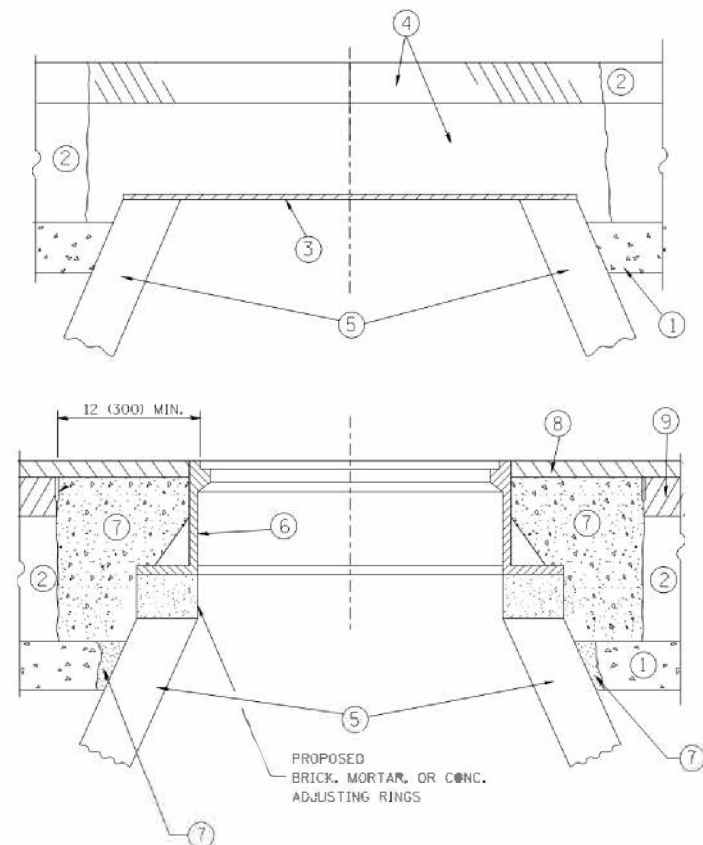
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	35
BD500-01 (BD-7)		CONTRACT NO. 61675		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

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

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

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

**NOTES:**

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

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

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

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

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

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

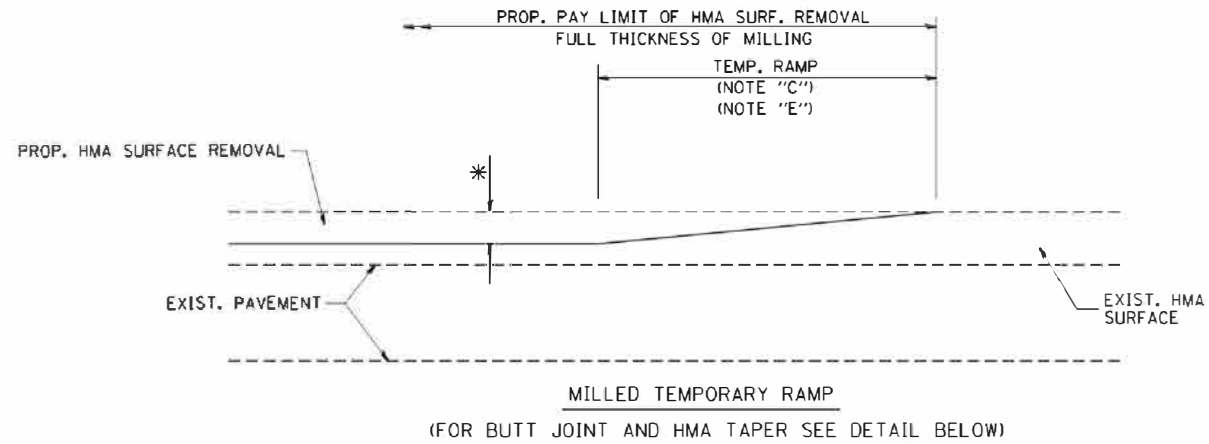
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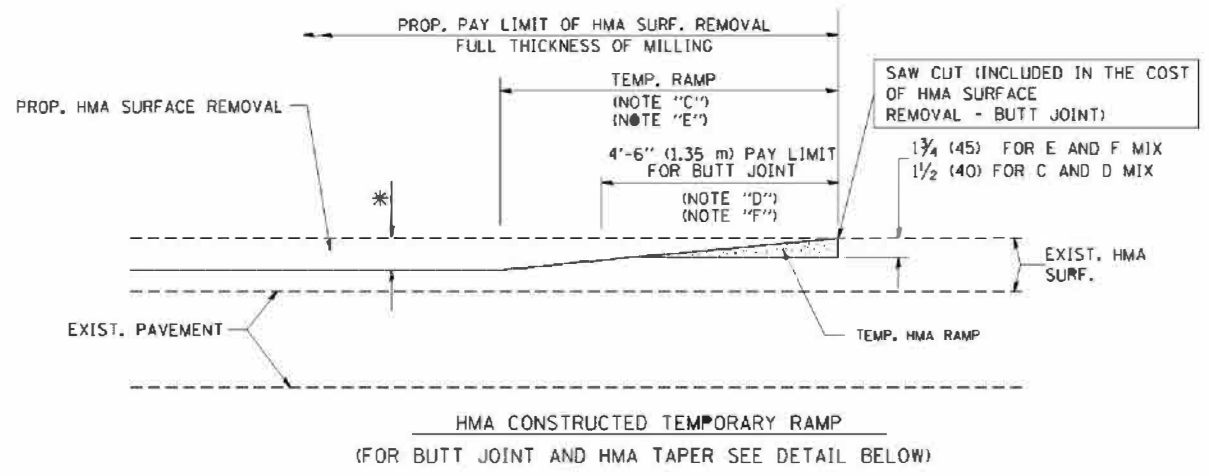
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>	
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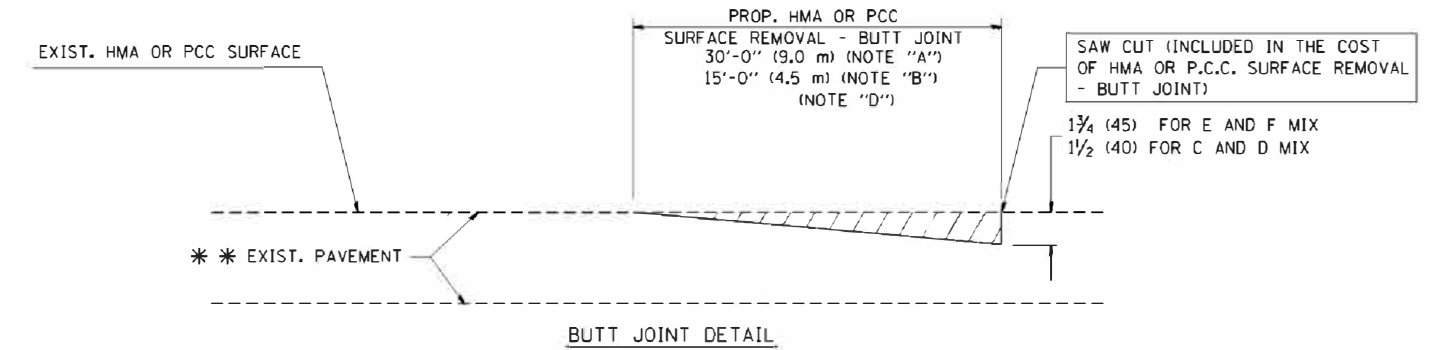
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



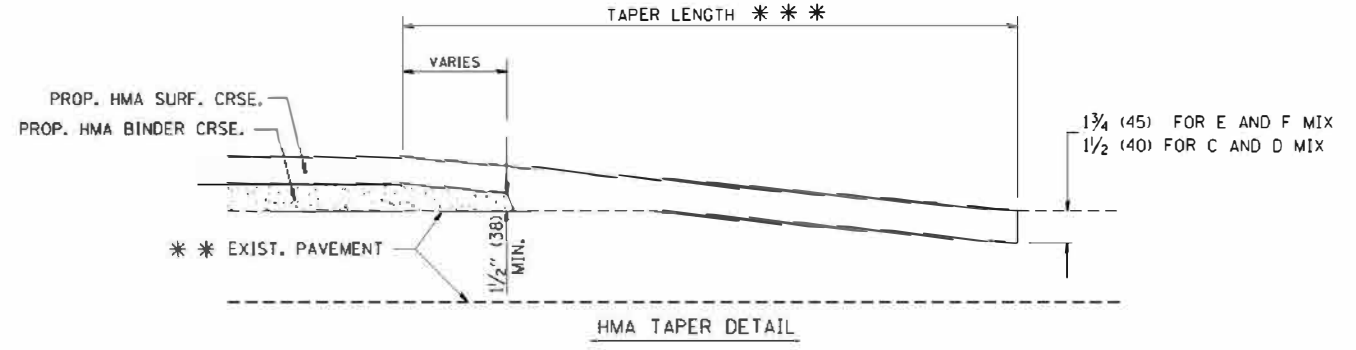
**OPTION 1**



**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

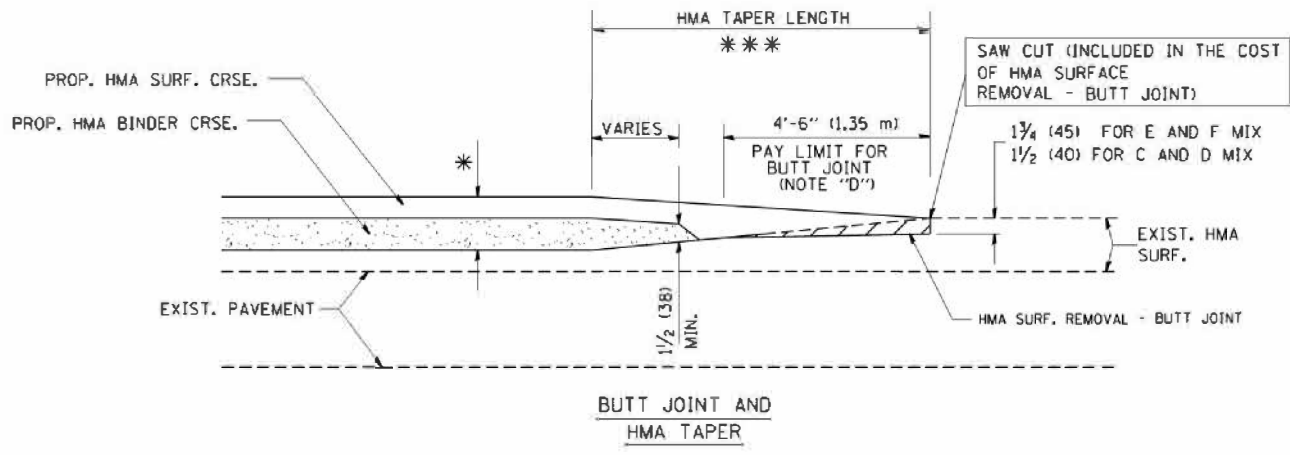
**NOTES**

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

**BASIS OF PAYMENT:**

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

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



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

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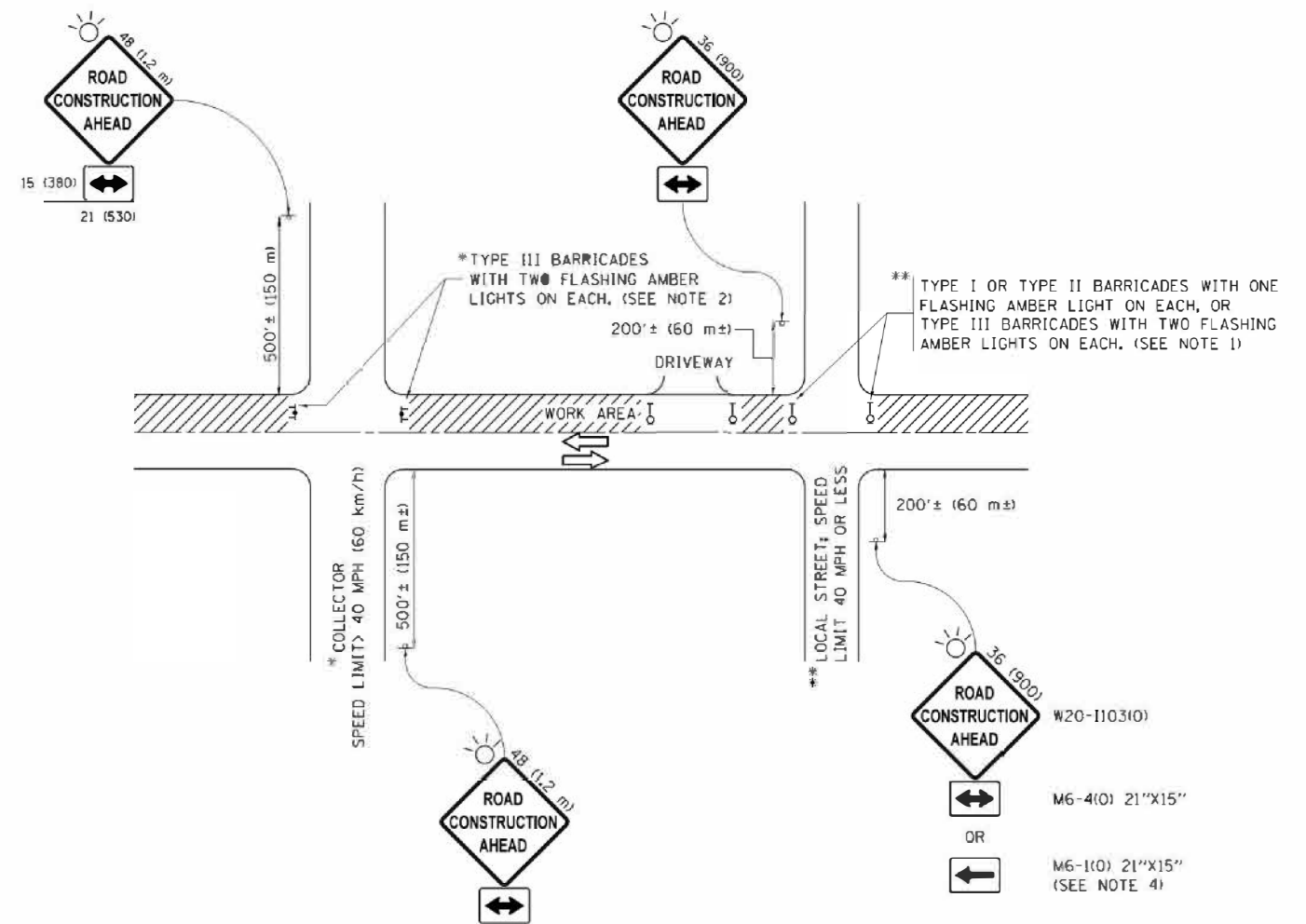
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND**  
**HMA TAPER DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-05 BD32		CONTRACT NO. 61G75		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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**NOTES:**

- 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:
  - 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.
  - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - 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.
  - 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.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

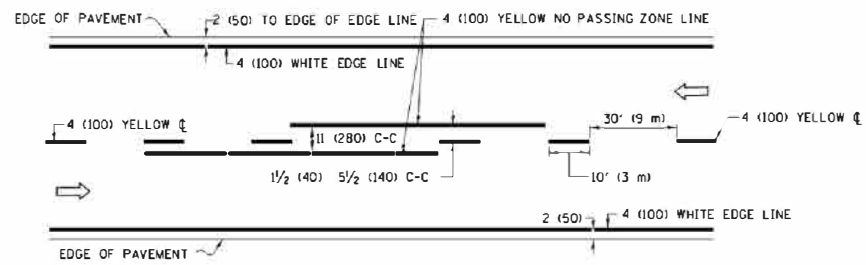
FILE NAME =	USER NAME = foatemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\11004E@IDINTEG.allinois.gov\PW\DOT\bu\umerts\DOT @files\District 1\Projects\Dist		DRAWN	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000 1 / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

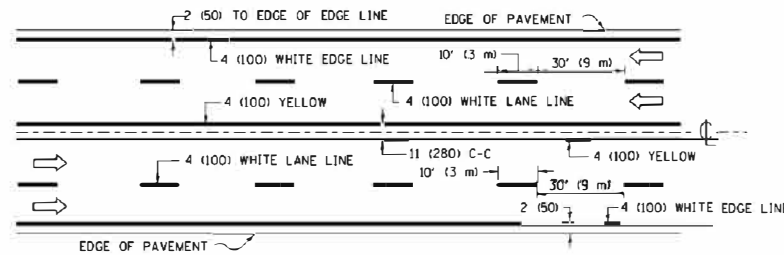
**TRAFFIC CONTROL AND PROTECTION FOR  
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

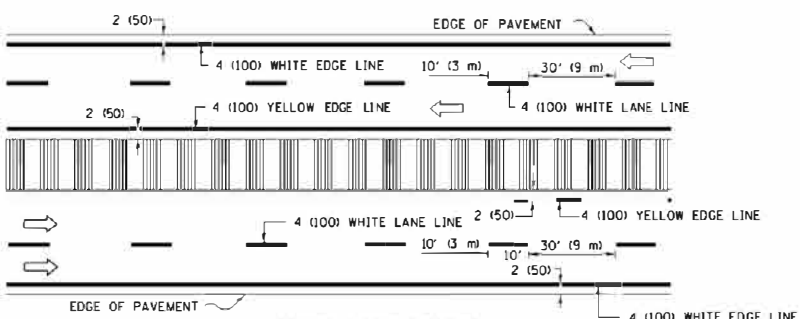
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	38
<b>TC-10</b>			CONTRACT NO. 61676	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

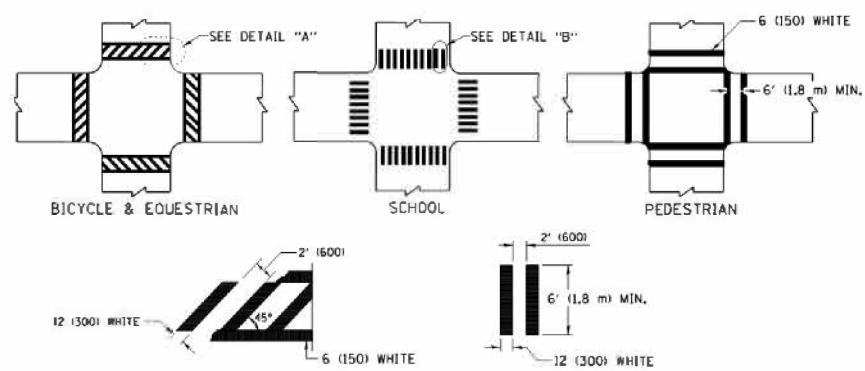


**MULTI-LANE UNDIVIDED**



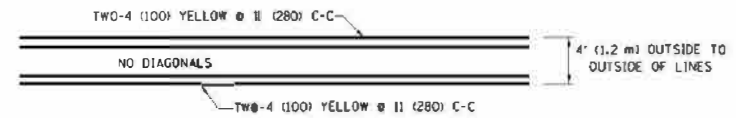
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

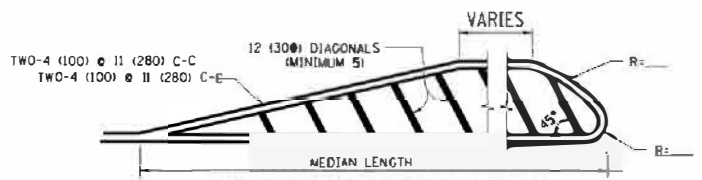


**TYPICAL CROSSWALK MARKING**

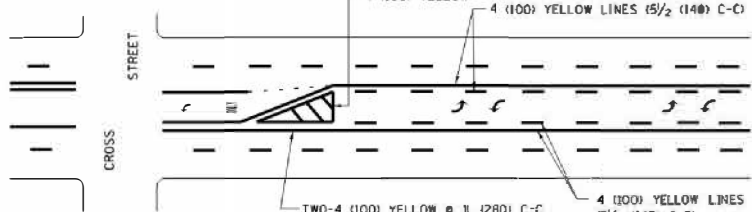
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



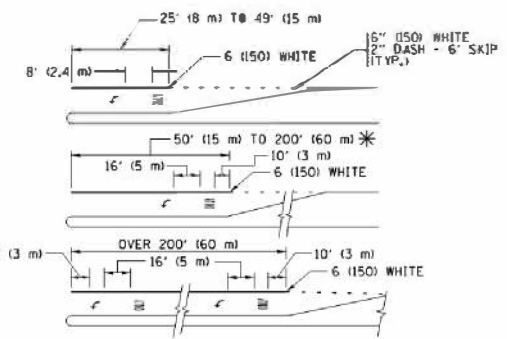
**4' (1.2 m) WIDE MEDIANS ONLY**



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

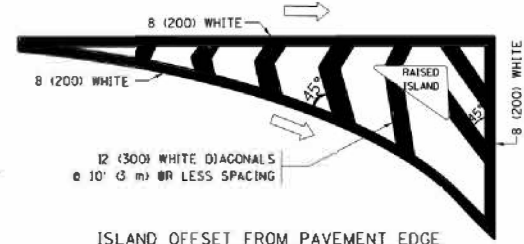


**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

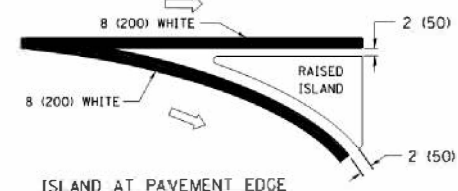


**TYPICAL LEFT (OR RIGHT) TURN LANE**

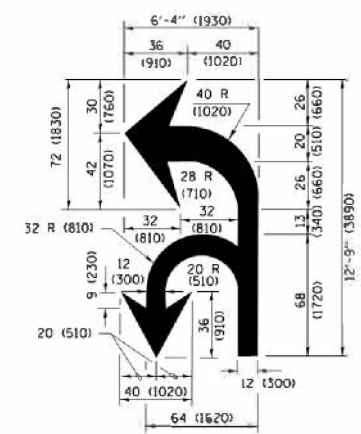
**TYPICAL TURN LANE MARKING**



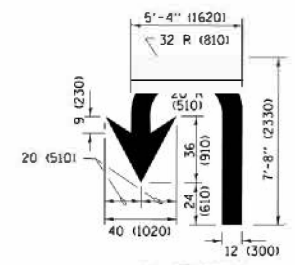
**ISLAND OFFSET FROM PAVEMENT EDGE**



**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
BOTTED 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.
CORE 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 (30 MPH (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: 1/2 (140) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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' (22.5 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.

COMPANY NAME: PROJECT CONTACT: PROJECT NO: DATE PLOTTED: FILE NAME: PLOT DRIVER: PEN TABLE:

FILE NAME =	USER NAME = foatemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\11004E00\INTEG\Illinois.gov\PI\DOT\00\umemts\DOT @ffices\District 1\Projects\Dist\ORAWN\CAD\0to\CAD\0to\1\13.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

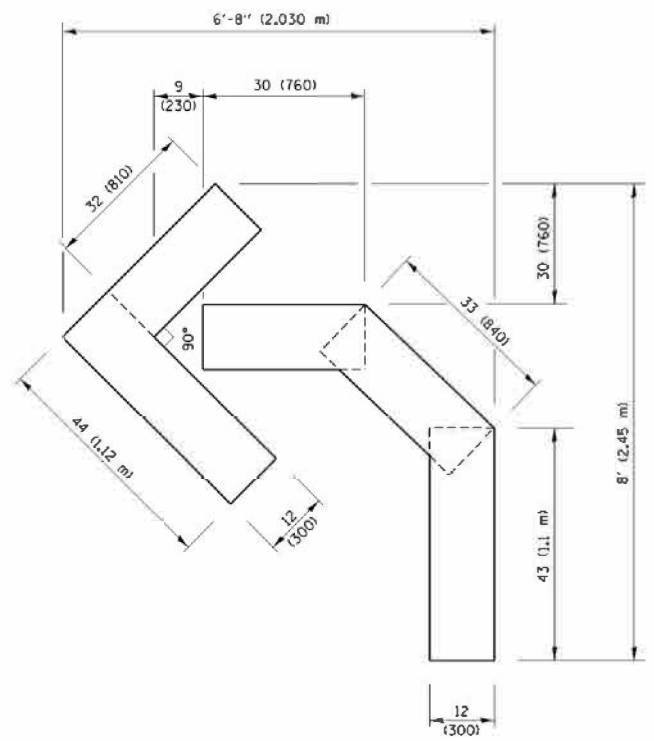
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

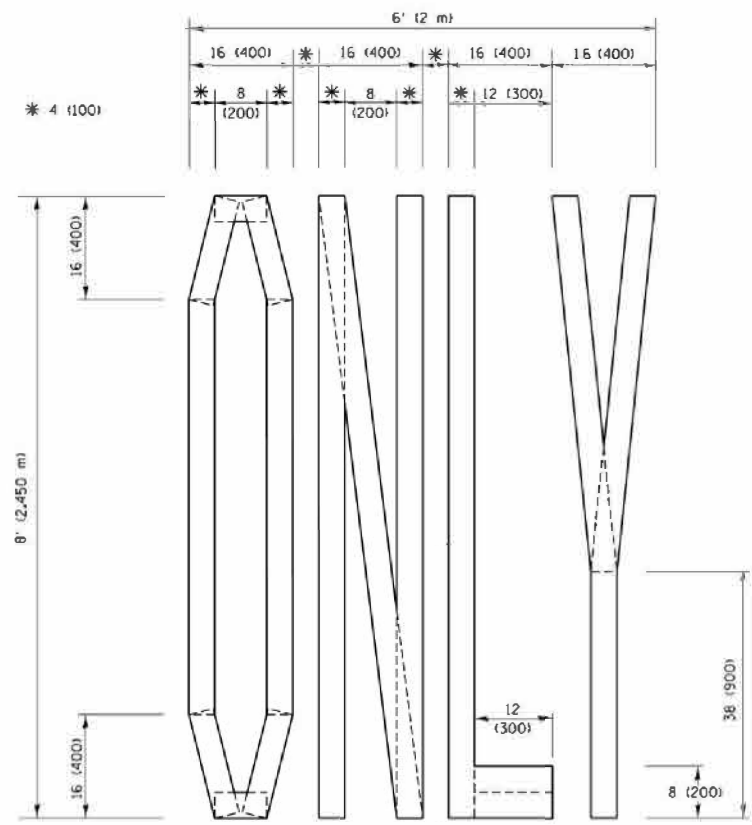
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	39
	TC-13	CONTRACT NO.	61275	
ILLINOIS FED. AID PROJECT				

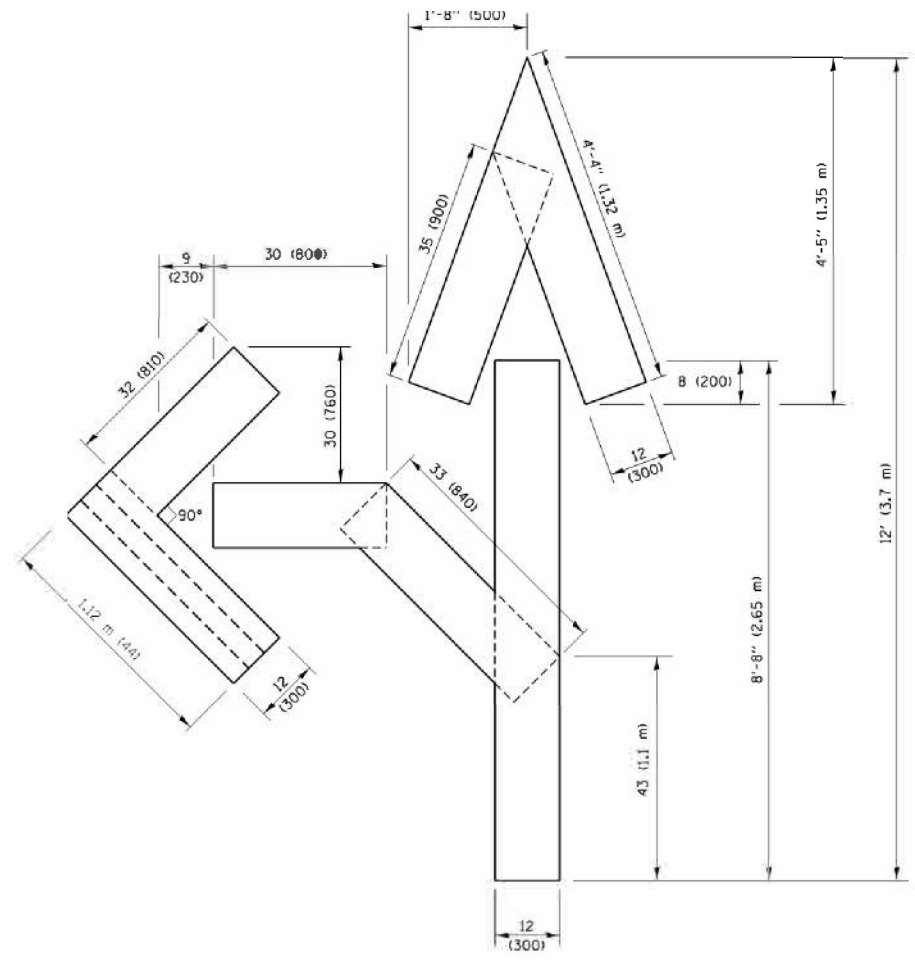




**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

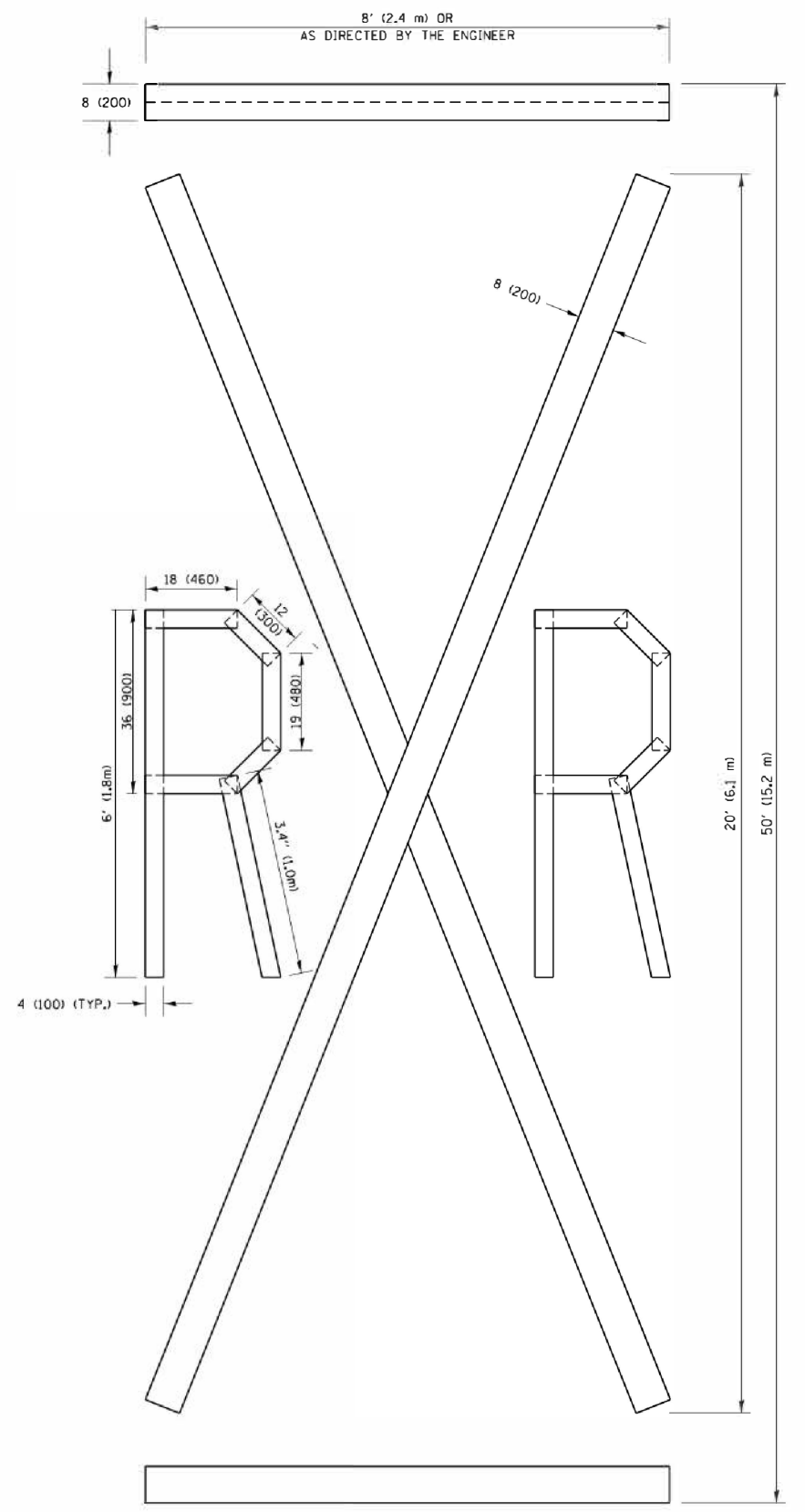


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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.

COMPANY NAME: PROJECT CONTACT: DATE PLOTTED: FILE NAME: PLOT DRIVER: PEN TABLE:

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
			REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE = 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	40
TC-16			CONTRACT NO. 61G75	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

COMPANY NAME: #COMPANY NAMES  
 PROJECT CONTACTS  
 DATE PLOTTED: 8/24/2020 2:26:34 PM  
 FILE NAME: \\s0172\svr\lin109\TC-22.dgn  
 PLOT DRIVER: IL\_Plotter.plt  
 PEN TABLE: plot-table.tbl

FILE NAME = \\s0172\svr\lin109\TC-22.dgn  
 USER NAME = gagliano

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISOR - R. MIRS 09-15-97  
 REVISOR - R. MIRS 12-11-97  
 REVISOR - T. RAMMACHER 02-02-99  
 REVISOR - C. JUCIUS 01-31-07

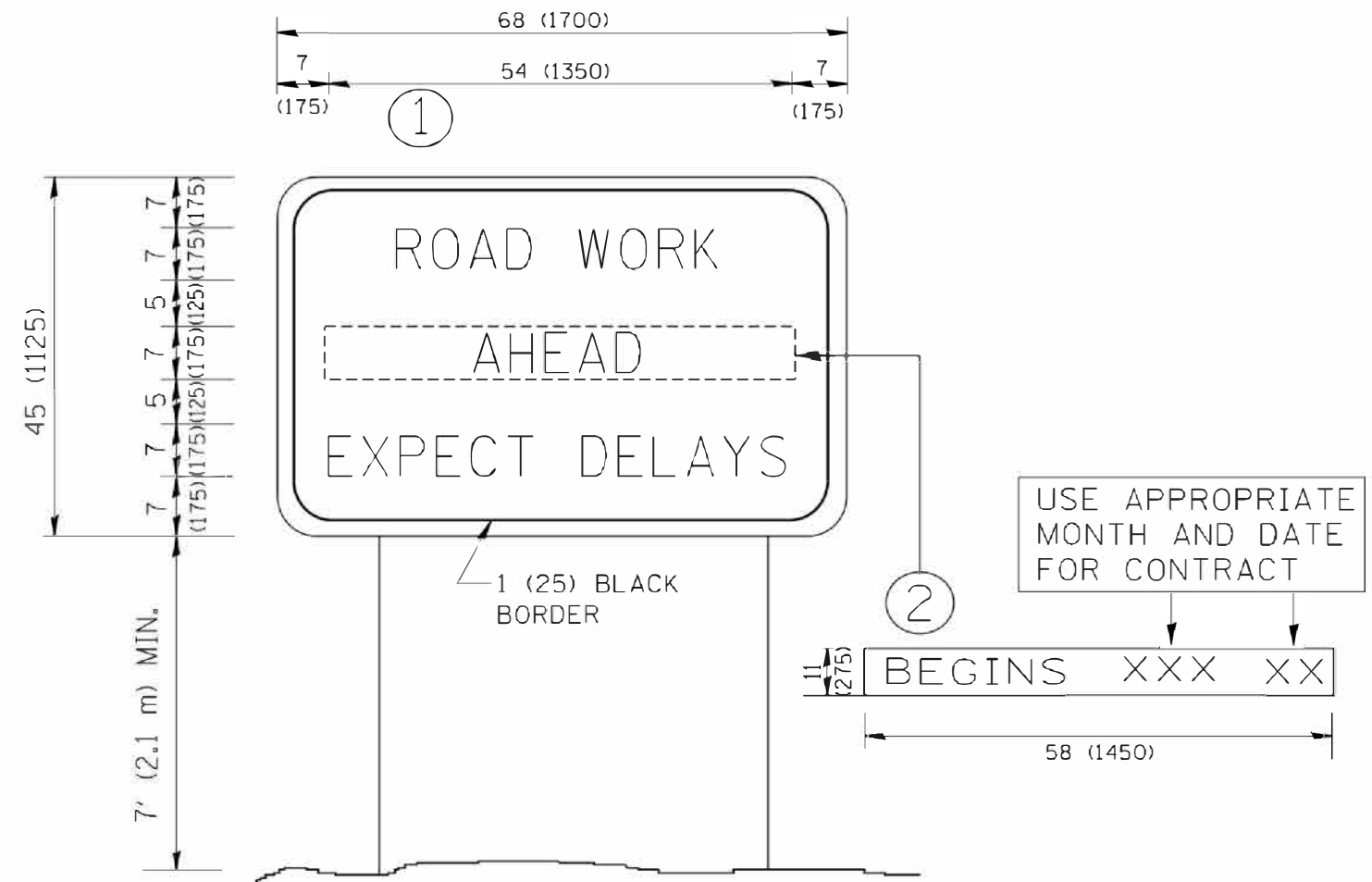
SCALE: 50.000' / IN.  
 PLOT DATE = 1/4/2008

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
 INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	41
TC-22		CONTRACT NO. 61675		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

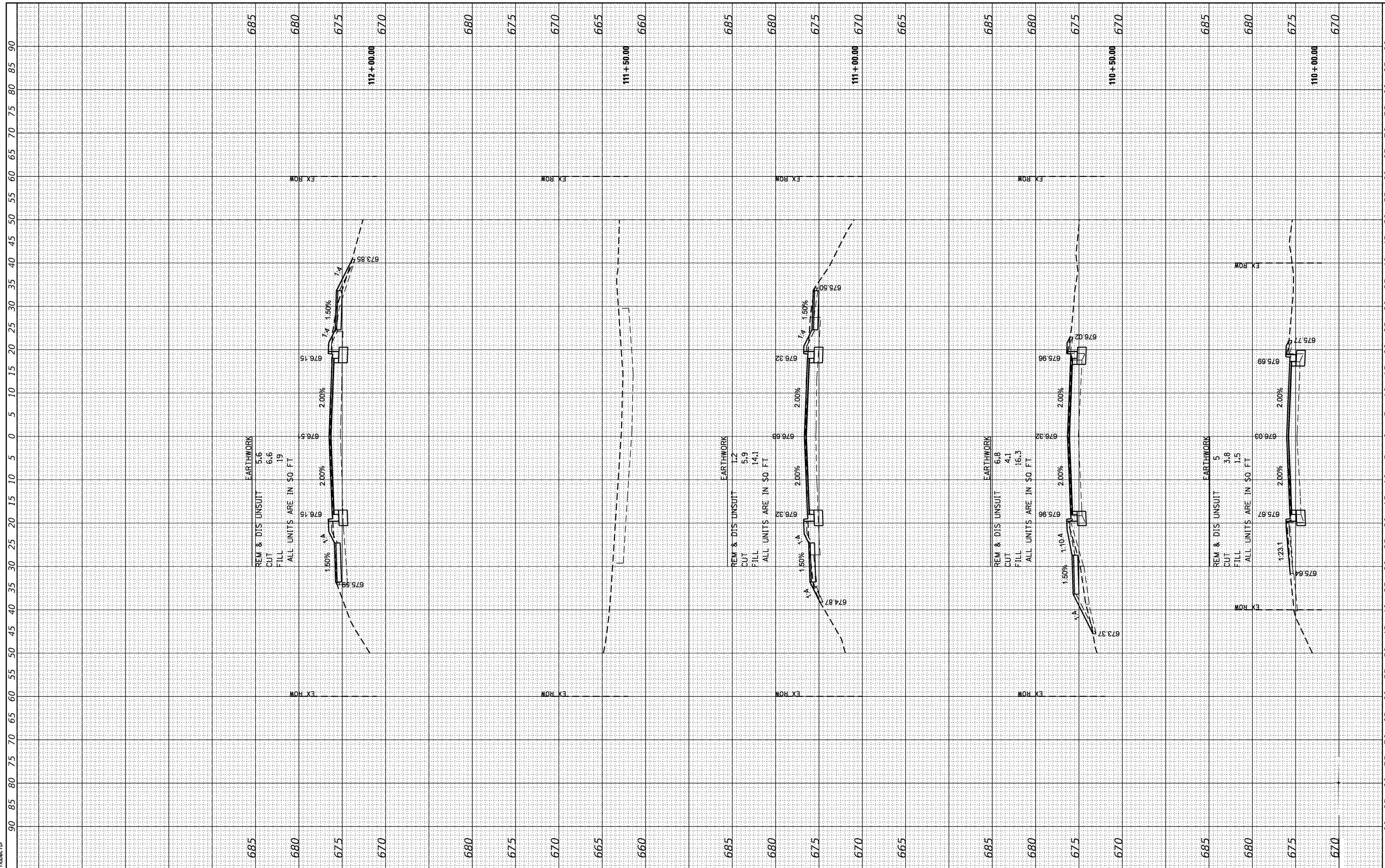
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

HRC PROJECT NO: #60077  
 FILE NAME: 16-00315-00-01.dgn  
 PLOT DRIVER: # Prof: bnp/pcr/ty  
 PEN TABLE: p10/10a/b1/d1



HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME	= whead
DESIGNED	- BDH
DRAWN	- WJH
CHECKED	- TEH
DATE	- 7/24/2020
PLOT SCALE	=
PLOT DATE	= 8/24/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

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

SCALE:	10H:5V				
SHEET	OF	SHEETS	STA. 110+00.00	TO	STA. 112+00.00

**CROSS SECTIONS**  
**MONTGOMERY ROAD**

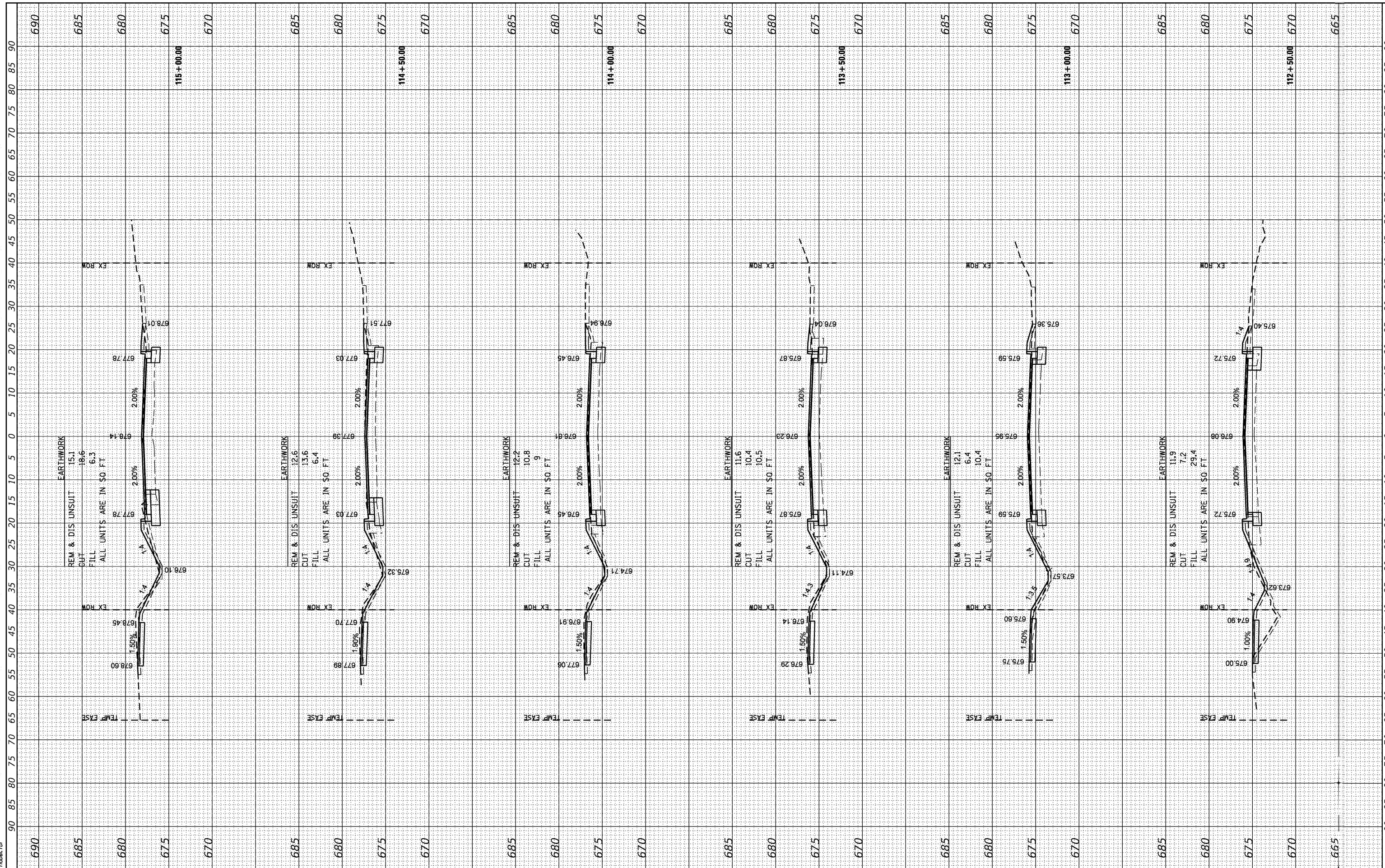
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-01	KANE	44	42
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61G75	



FINAL SURVEY NO.	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

HRG PROJECT NO: 160077  
 FILE NAME: 160077\_Sht\_160077.dgn  
 PLOT DRIVER: J:\soft\dwgplot\pcg  
 PEN TABLE: pcg10tbl.tbl



USER NAME	=	whoard
DESIGNED	-	BDH
DRAWN	-	WJH
CHECKED	-	TEH
DATE	-	7/24/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MONTGOMERY ROAD**

SCALE: 10H:5V    SHEET    OF    SHEETS    STA. 112+50.00 TO STA. 115+00.00

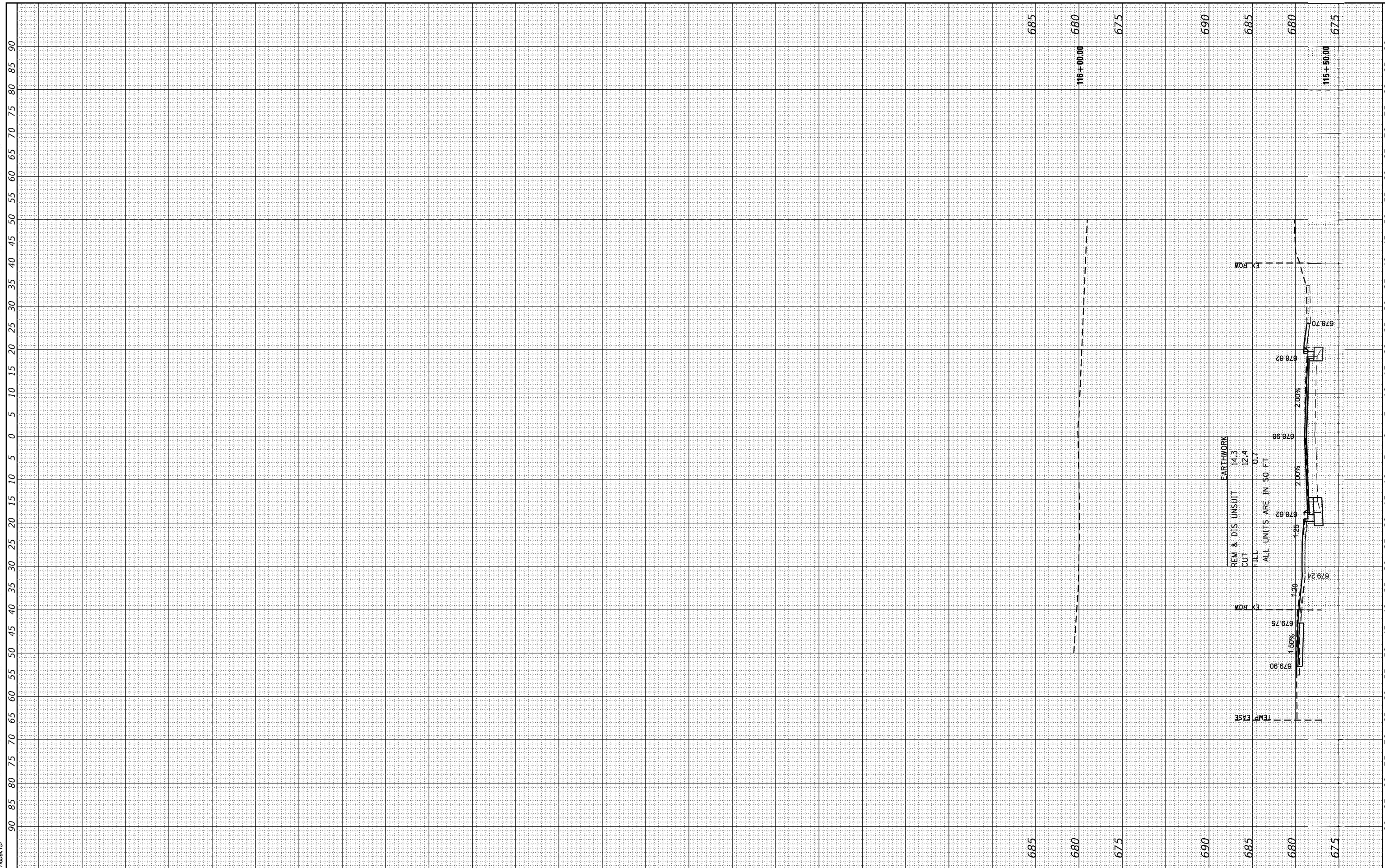
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-BR	KANE	44	43
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G75	



FINAL SURVEY NO.	
SURVEYED PLOTTED	
NOTE BOOK AREAS CHECKED	
DATE	
BY	

ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
NOTE BOOK AREAS CHECKED	
DATE	
BY	

HRC PROJECT NO: #60077  
 FILE NAME: 16-00315-00-08.dwg  
 PLOT DRIVER: # Prof: dwgplotr19  
 PEN TABLE: p10.tbl



USER NAME =	whoard
DESIGNED -	BDH
DRAWN -	WJH
CHECKED -	TEH
DATE -	7/24/2020
REVISIONS	
REVISED -	
REVISED -	
REVISED -	

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

SCALE: 10H:5V	SHEET	OF	SHEETS	STA. 115+50.00	TO STA. 116+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
MS 1110	16-00315-00-08	KANE	44	44
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G75	