

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	* 537	1

ILLINOIS CONTRACT NO. 60P35
* 537 * 1 = 538

TRAFFIC DATA

	2009 ADT	2030 ADT
MANNHEIM ROAD	30,000	58,200
ZEMKE BLVD.	5,500	6,140
HIGGINS ROAD	25,500	43,000

	DESIGN SPEED	POSTED SPEED
MANNHEIM ROAD	50/45 MPH	50/40 MPH
ZEMKE BLVD.	30 MPH	30 MPH
HIGGINS ROAD	45 MPH	40 MPH

DESIGN DESIGNATION

MANNHEIM ROAD	5240(30) PRINCIPAL ARTERIAL 33.35(PCC-30)
ZEMKE BLVD.	580(30) COLLECTOR 33.35(PCC-30)
HIGGINS ROAD	3870(30) MINOR ARTERIAL 33.35(PCC-30)

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

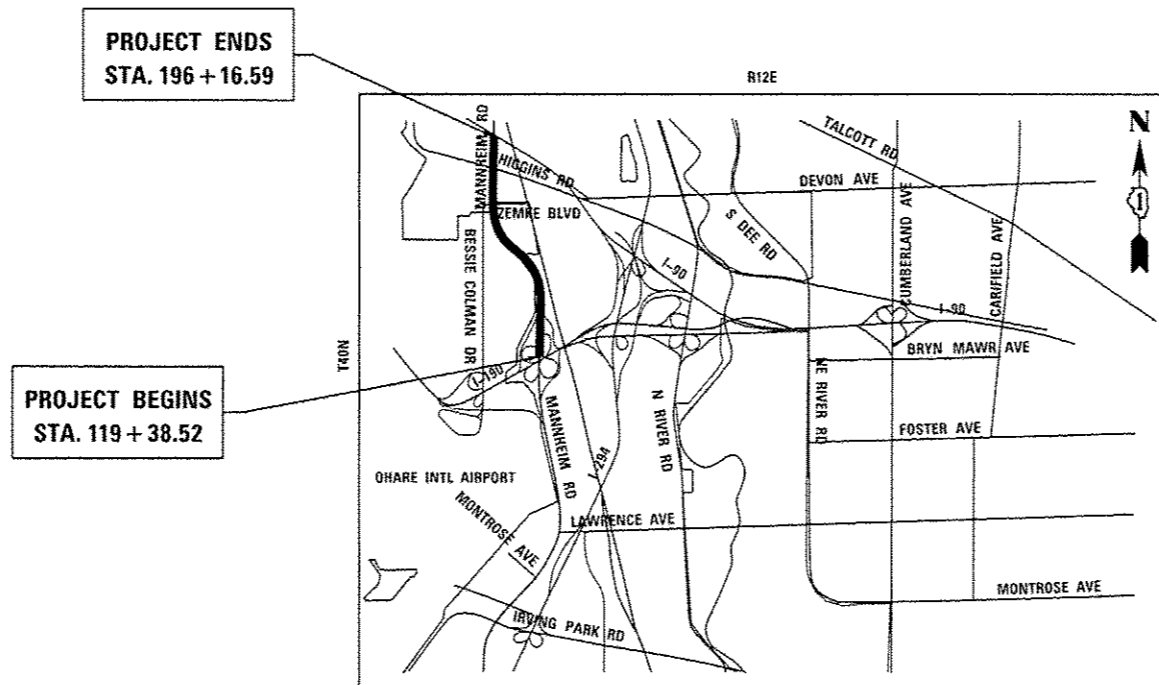
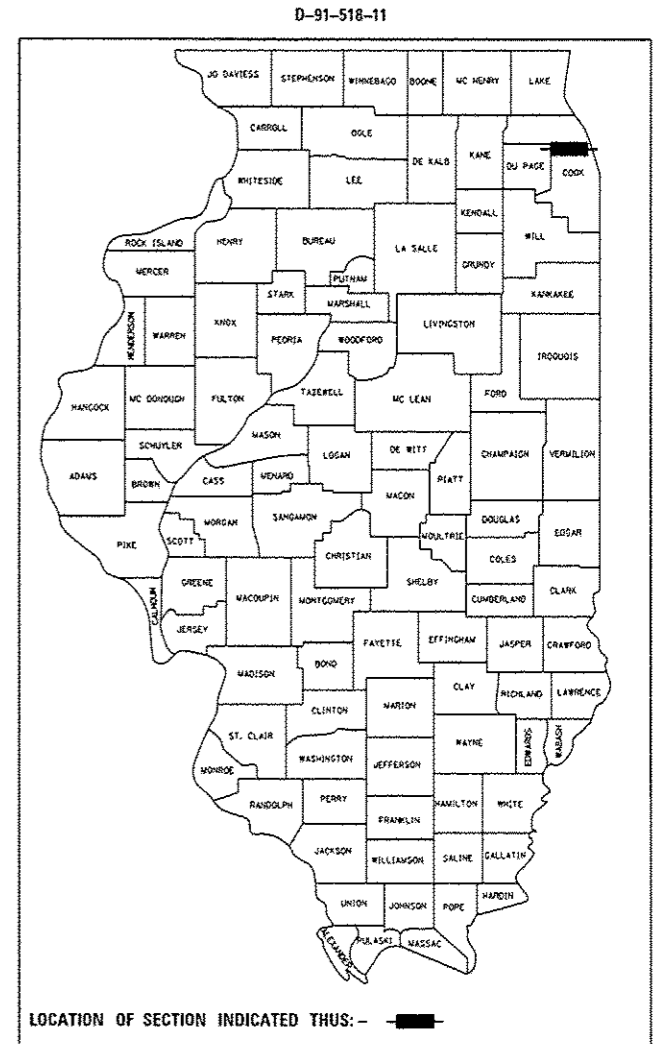
F.A.P. 330 (US 12/45)

**MANNHEIM ROAD NORTH (I-190 TO IL 72)
RECONSTRUCTION**

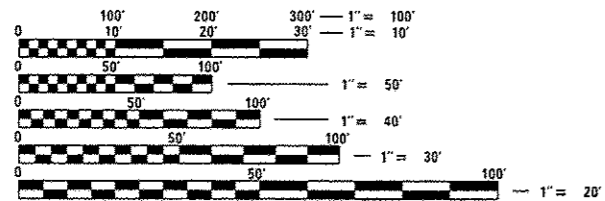
SECTION: 0105-WRS

PROJECT: ACNHF-0330(069)

COOK COUNTY
C-91-518-11



LOCATION MAP
N.T.S.



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.

FOR UTILITY INFORMATION CALL J.U.I.E. (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 48 HOURS BEFORE DIGGING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Dec 25 20 12*

John Fortman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 7 20 12
John D. Baranzelli PE
actg ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 20 12
William R. Frey
actg DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

HNTB TENG

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GROSS LENGTH = 7,676.48 FT. = 1.454 MILE
NET LENGTH = 7,676.48 FT. = 1.454 MILE

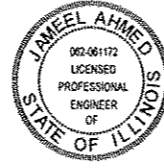
CONTRACT NO. 60P35

DISTRICT ONE DESIGN CONSULTANT SERVICES MANAGER: SERIN KELLER (847) 705-4556



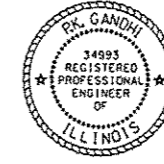
HNTB CORPORATION

John Allen Lukowski 10/18/12
DATE
JOHN ALLEN LUKOWSKI
ILLINOIS REGISTRATION NO: 062-053522
EXP DATE: 11/30/2013
APPLY TO SHEETS:
1,3-31,44-49,55-76,214-216,
299,415-537



DELTA ENGINEERING GROUP, LLC

Jameel Ahmed 10/18/12
DATE
JAMEEL AHMED
ILLINOIS REGISTRATION NO: 062-061172
EXP DATE: 11/30/2013
APPLY TO SHEETS:
234-241,332-347



GANDHI AND ASSOCIATES, INC.

P.K. Gandhi 10/17/12
DATE
P. K. GANDHI
ILLINOIS REGISTRATION NO: 062-034993
EXP DATE: 11/30/2013
APPLY TO SHEETS:
242-244



HNTB CORPORATION

Matthew C. Durning 10/18/2012
DATE
MATTHEW C. DURNING
ILLINOIS REGISTRATION NO: 062-055499
EXP DATE: 11/30/2013
APPLY TO SHEETS:
245-246, 284-288



DELTA ENGINEERING GROUP, LLC

Harjit Singh 10/18/12
DATE
HARJIT SINGH
ILLINOIS REGISTRATION NO: 062-055489
EXP DATE: 11/30/2013
APPLY TO SHEETS:
289-298



CHRISTOPHER B. BURKE ENGINEERING, LTD

Val M. Racich 10/17/12
DATE
VAL M. RACICH
ILLINOIS REGISTRATION NO: 062-049622
EXP DATE: 11/30/2013
APPLY TO SHEETS:
195-198



HNTB CORPORATION

Youngjae Ju 10-18-12
DATE
YOUNGJAE JU
ILLINOIS REGISTRATION NO: 062-054024
EXP DATE: 11/30/2013
APPLY TO SHEETS:
350-369



GLOBETROTTERS ENGINEERING CORPORATION

Vinod Thanki 10/17/12
DATE
VINOD N. THANKI
ILLINOIS REGISTRATION NO: 062-047301
EXP DATE: 11/30/2013
APPLY TO SHEETS:
52-54,77-81,205-213,217,
226-227

HNTB CORPORATION

111 N. CANAL ST, SUITE 1250
CHICAGO, IL 60606
(312) 930-9119

TENG & ASSOCIATES, INC.

205 N. MICHIGAN AVE, SUITE 35
CHICAGO, IL 60601
(312) 616-0000

DELTA ENGINEERING GROUP, LLC

111 W. JACKSON BOULEVARD, SUITE 910
CHICAGO, IL 60604
(312) 291-6549



HNTB CORPORATION

Philip C. Azzarello 10-18-12
DATE
PHILIP C. AZZARELLO
ILLINOIS REGISTRATION NO: 081-004245
EXP DATE: 11/30/2012
APPLY TO SHEETS:
218-225



GLOBETROTTERS ENGINEERING CORPORATION

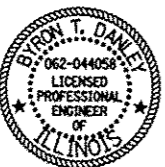
Frank J. Kloht 10/17/12
DATE
FRANK J. KLOHT
ILLINOIS REGISTRATION NO: 062-038303
EXP DATE: 11/30/2013
APPLY TO SHEETS:
267-283,295

GLOBETROTTERS ENGINEERING CORPORATION

300 S. WACKER DR, SUITE 400
CHICAGO, IL 60606
(312) 922-6400

TERRA ENGINEERING LTD.

225 W. OHIO ST, SUITE 400
CHICAGO, IL 60654
(312) 467-0123



TENG & ASSOCIATES, INC.

Byron T. Danley 10/18/12
DATE
BYRON T. DANLEY
ILLINOIS REGISTRATION NO: 062-044058
EXP DATE: 11/30/2013
APPLY TO SHEETS:
32-43,50-51,82-171,178-194



TERRA ENGINEERING LTD

JAMIL BOU-SAAB 10/18/12
DATE
JAMIL BOU-SAAB
ILLINOIS REGISTRATION NO: 062-047537
EXP DATE: 11/30/2013
APPLY TO SHEETS:
172-177,228-233

GANDHI AND ASSOCIATES, INC.

6035 N. NORTHWEST, SUITE 306
CHICAGO, IL 60631
(773) 774-5910

CHRISTOPHER B. BURKE ENGINEERING, LTD

9575 W. HIGGINS ROAD, SUITE 600
ROSEMONT, IL 60018
(847) 823-0500



USER NAME = mkoest	DESIGNED	REVISED -
	DRAWN <i>MMK</i>	REVISED -
PLOT SCALE = 1:1	CHECKED <i>LLS</i>	REVISED -
PLOT DATE = 16-OCT-2012	DATE <i>10/19/12</i>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	2
CONTRACT NO. 60P35				

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G-02

HNTB	USER NAME: <i>mkoslr</i>	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS				F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: <i>1/1</i>	DRAWN: <i>MMK</i>	REVISED -		330	0105-WRS	COOK	537	3				
	PLOT DATE: <i>24-OCT-2012</i>	CHECKED: <i>LLS</i>	REVISED -		SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.				CONTRACT NO. 60P35				
	DATE: <i>10/19/12</i>	REVISED -	ILLINOIS FED. AID PROJECT										

DISTRICT 1 DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 M)
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 M)
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-05	DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED) CORRUGATED MEDIAN (MODIFIED)
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENTS WITHOUT MILLING
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-32	BUTT JOINTS AND HMA TAPER
BD-48	PCC PAVEMENT ROUNDOUTS AT CURB & GUTTER
BD-49	DETAIL OF C.L. SAWCUT 4.9 m (16') & VAR. JOINTED PCC PAV'T FOR RAMPS
BD-52	DETAIL OF PAVEMENT SEPERATION, JOINT FOR JOINTED PAVEMENTS AT INTERSECTIONS
BE-205	LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX TYPE W/SCADA
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-300	LIGHT POLE FOUNDATION, CONCRETE, <=35 FT. M.H. (11" B.C.)
BE-301	LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE-310	LIGHT POLE FOUNDATION, OFFSET 40' (12.192 m) TO 47.5' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
BE-322	LIGHT POLE, FOUNDATION INTEGRAL WITH DOUBLE FACE BARRIER WALL
BE-329	LIGHT POLE FOUNDATION ON CONCRETE PARAPET WALL 11.5" (292 mm) BOLT CIRCLE
BE-410	LIGHT POLE, ALUMINUM, DAVIT TYPE, 47.5 FT. M.H.
BE-411	LIGHT POLE, ALUMINUM, DAVIT TYPE, 40 FT. M.H.
BE-412	LIGHT POLE, ALUMINUM, DAVIT TYPE, 35 FT. M.H.
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BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISCELLANEOUS DETAILS, SHEET A - CABLE SPLICE, POLE WIRING, TRENCH DETAIL
BE-705	COMMUNICATIONS VAULT, COMPOSITE CONCRETE
BE-800	TEMPORARY LIGHTING
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-1000	CCTV CAMERA STRUCTURE 50' MOUNTING HEIGHT
TC-08	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR ROADS, INTERSECTIONS, AND DRIVERWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
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TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-24	CITY OF CHICAGO TYPICAL PAVEMENT MARKING
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

IDOT HIGHWAY STANDARDS (214)

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420106-04	36' JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420201-07	ENTRANCE RAMP TERMINAL
420301-04	EXIT RAMP TERMINAL
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-01	PARALLEL CURB RAMPS FOR SIDEWALKS
483001-04	PCC SHOULDER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTIONS
542501-02	INLET BOX TYPE 24 A
601001-04	SUBSURFACE DRAINS
602001-02	CATCH BASIN TYPE A
602401-03	MANHOLE TYPE A
602406-05	MANHOLE TYPE A 6' DIAMETER
602411-02	MANHOLE TYPE A 7' DIAMETER
602416-03	MANHOLE TYPE A 8' DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE B
604091-02	FRAME AND GRATE TYPE 24
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
637001-05	CONCRETE BARRIER, DOUBLE FACE, 32 IN. HEIGHT

IDOT HIGHWAY STANDARDS (CONTINUED)

701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-04	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701421-05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701422-05	LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701427	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-08	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND BE METAL POSTS (FOR SIGNS & MARKERS)
704001-07	TEMPORARY CONCRETE BARRIER
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY AND POLE - 16' THROUGH 55'
877002-01	STEEL MAST ARM ASSEMBLY AND POLE - 56' THROUGH 75'
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS



USER NAME: ckeasir	DESIGNED	REVISED -
	DRAWN: MMK	REVISED -
PLOT SCALE: 1:1	CHECKED: LLS	REVISED -
PLOT DATE: 24-OCT-2012	DATE: 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETAILS AND IDOT HIGHWAY STANDARDS

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 4
SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT CONTRACT NO. 60P35	

FILE NAME: IP_PWDms4784\INDIGP35-ht-ganno2.dgn

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL CALL ELECTRICAL FIELD OFFICE AT 708-524-2145 TO TRANSFER THE MAINTENANCE OF THE ELECTRICAL SYSTEMS AND LOCATE THE UNDERGROUND ELECTRICAL CABLE OVER AND MAINTAIN BY IDOT.
- THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AIR TRAFFIC AND ADJOINING COMMERCIAL AREAS.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS' OWN EXPENSE.
- THE COST OF FULL OR PARTIAL DEPTH SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM.
- THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY (AREA TRAFFIC FIELD ENGINEER) (847) 715-8419, PRIOR TO INSTALLING ANY PERMANENT PAVEMENT MARKINGS.
- THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE DONE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH THE F.A.A. REQUIREMENTS FOR GLIDE PATH RESTRICTIONS AND FORM 7460. SEE RUNWAY CLEAR ZONE SHEETS.
- CONTRACTOR SHALL TAKE EXTRA PRECAUTION TO AVOID ANY CONTACT WITH THE TRANSMITTER ANTENNA LOCATED IN LOOP RAMP 7 (SB MANNHEIM TO EB I-190). ANY DAMAGE TO THE ANTENNA SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT HIS OWN EXPENSE.
- AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/ OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/ OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
- ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- THE CITY OF CHICAGO IS TO MAKE ADJUSTMENTS TO THEIR STREET LIGHTING AND/OR TRAFFIC FACILITIES. THE CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH THE CITY OF CHICAGO IN THESE ADJUSTMENTS. THIS COORDINATION AND COOPERATION BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COSTS OF THE CONTRACT.

GENERAL NOTES (CONTINUED)

- TEMPORARY PAVEMENT MARKING SHALL CONSIST OF EPOXY OR POLYUREA PAVEMENT MARKING, AT THE OPTION OF THE CONTRACTOR. EPOXY OR POLYUREA PAVEMENT MARKING MATERIALS SHALL BE ACCORDING TO ARTICLES 1095.04 AND 1095.08 RESPECTIVELY OF THE STANDARD SPECIFICATIONS.
- WET REFLECTIVE TEMPORARY TAPE TYPE III SHALL BE USED ON THE FINAL WEARING SURFACE. TEMPORARY PAVEMENT MARKING CONSISTING OF EPOXY OR POLYUREA PAVEMENT MARKING SHALL NOT BE APPLIED TO THE FINAL WEARING SURFACE UNLESS AUTHORIZED BY THE ENGINEER FOR THE LATE SEASON APPLICATION WHERE TAPE ADHESION WOULD BE A PROBLEM.


GENERAL DRAINAGE NOTES

- SEE DRAINAGE DETAIL SHEETS FOR DRAINAGE STRUCTURE OFFSET AND RIM ELEVATION LOCATION.
- THE COST OF MAKING SEWER AND UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES AND BREAKING NEW HOLES INTO EXISTING OR PROPOSED DRAINAGE STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE COST FOR DRAINAGE WORK AND WILL NOT BE PAID SEPARATELY.
- QUANTITY OF TRENCH BACKFILL FOR STORM SEWER REMOVAL THAT IS PROVIDED IN SCHEDULE IS BASED ON LENGTH OF PIPE REMOVED. IF EXISTING STORM SEWER IS REMOVED AND REPLACED, TRENCH BACKFILL QUANTITY IS BASED ON PROPOSED STORM SEWER ONLY.
- PROPOSED RIM AND INVERT ELEVATIONS ARE BASED ON EXISTING OR THEORETICAL GRADES. ACTUAL FINAL GRADES ARE SUBJECT TO NOMINAL VARIATIONS. CONSTRUCTION OF PROPOSED CASTINGS TO FINAL GRADES IS INCLUDED IN THE COST OF THE RELATED DRAINAGE STRUCTURE. CONSTRUCTION OF PROPOSED PIPE INVERTS TO FINAL GRADES IS INCLUDED IN THE COST OF THE RELATED DRAINAGE PIPE.
- SUFFICIENT DRAINAGE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO FACILITATE SURFACE RUNOFF. WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER, OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLAN HIS OPERATIONS, WITH THE APPROVAL OF THE ENGINEER IN THE FIELD, SO AS TO UTILIZE THE FACILITIES PROVIDED TO PREVENT LOCAL FLOODING AND ENSURE PROPER SURFACE RUNOFF. ANY DITCH GRADING AND ANY BULKHEADING AS DIRECTED BY THE ENGINEER, NECESSARY TO PROVIDE FOR THE INTERIM DRAINAGE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ALL STORM SEWERS, PIPE CULVERTS, CATCH BASINS, MANHOLES, INLETS AND SIMILAR STRUCTURES NEWLY CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND AND SHALL BE FREE FROM SUCH ACCUMULATIONS AT THE TIME OF FINAL INSPECTION. THE COST OF ANY CLEANING REQUIRED TO COMPLY WITH THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
- THE CONTRACTOR SHALL VERIFY EXISTING OUTLET STRUCTURE LOCATIONS AND INVERTS PRIOR TO STARTING UPSTREAM STORM SEWER CONNECTION AND CONSTRUCTION.
- FLARED END SECTIONS WILL BE INCLUDED IN THE LENGTH OF MEASUREMENT FOR STORM SEWER REMOVAL. THE REMOVAL OF GRATING FOR FLARED END SECTIONS WILL NOT BE MEASURED FOR PAYMENT, BUT THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PIPE CULVERT REMOVAL.

DEPARTMENT OF AVIATION

- THE CONTRACTOR MUST SUBMIT FAA FORM 7460 WITH THE CITY OF CHICAGO, DEPARTMENT OF AVIATION, PLANNING DIVISION FOR FAA PERMIT APPLICATION

LEGEND:

 COST INCLUDED IN SPECIFIED ITEM OF WORK

COMMITMENTS

- COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
- THE SUBJECT IMPROVEMENTS IMPACT THE PACE BUS ROUTE 223 ON HIGGINS ROAD AND ROUTE 330 ON MANNHEIM ROAD. DURING CONSTRUCTION, A MINIMUM OF TWO LANES OF TRAFFIC, IN EACH DIRECTION, SHALL BE MAINTAINED. THE CONTRACTOR SHALL NOTIFY THE PACE REPRESENTATIVE TWO WEEKS IN ADVANCE OF THE START OF THE PROJECT SO PACE CAN INFORM CUSTOMERS.

FAA COMMITMENTS

- THE O'HARE AIR TRAFFIC CONTROL TOWER (ATCT), AIR TRAFFIC MANAGER (ATM) SHALL BE INVITED TO ALL CONSTRUCTION PLANNING, PRECONSTRUCTION, AND/ OR CONSTRUCTION MEETINGS TO ADDRESS AND RESOLVE ALL ATCT PROJECT RELATED CONCERNS.
- THIS CONSTRUCTION ACTIVITY WILL OCCUR IN CLOSE PROXIMITY TO A FEDERAL AVIATION ADMINISTRATION (FAA) OPERATIONAL NATIONAL AIRSPACE SYSTEM (NAS) FACILITY. THE CONTRACTOR MUST INSURE THAT THIS FAA FACILITY, AS WELL AS ASSOCIATED UNDERGROUND CABLE LOCATED NEAR THE NORTHEAST CORNER OF THE CONSTRUCTION SITE, ARE AVOIDED. IN ADDITION, FAA REPRESENTATIVES MUST HAVE FULL ACCESS, WITHOUT INTERRUPTION, TO THIS NAS FACILITY AT ALL TIMES. IF ANY BLOCKING OF PRIMARY ACCESS TO THIS FACILITY IS ANTICIPATED AT ANY TIME DURING THE CONSTRUCTION PERIOD, AN ALTERNATE ACCESS ROUTE MEETING WITH FAA'S APPROVAL MUST BE PROVIDED. THIS REVIEW AND APPROVAL MUST BE OBTAINED FROM FAA'S SECTOR MANAGEMENT OFFICE (SMO), MR. ANTHONY B. HARTS. MR. HARTS CAN BE REACHED AT (773) 601-7635.
- THE CONTRACTOR MUST NOTIFY FAA'S MR. HARTS AT LEAST SEVENTY TWO (72) HOURS PRIOR TO THE CONSTRUCTION ACTIVITY TO IDENTIFY AND PROTECT UNDERGROUND FAA CABLES IF THAT BECOMES NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND DIGGING TO LOCATE FAA CABLING AND SHALL PROVIDE ADEQUATE PROVISIONS TO PROTECT ALL FAA CABLES EXPOSED DURING THE PROPOSED WORK. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- ANY DAMAGE TO FAA CABLES, ACCESS ROADS, OR TO FAA FACILITIES DURING THE CONSTRUCTION WILL REQUIRE THE CONTRACTOR TO REPLACE THE DAMAGED CABLES, ACCESS ROAD, OR FAA FACILITIES TO THE FAA'S REQUIREMENTS, AND AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR WILL FOLLOW AC 150/5370-2E OR MOST CURRENT EDITION, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" REQUIREMENTS.

CONTRACTOR SHALL MILL BEFORE PATCHING.

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	PERCENT AIR VOIDS N_m	THICKNESS
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm)	4% @ 90 GYR	1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR	2 1/4"
PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm)	4% @ 90 GYR	1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR	2 1/4"
PATCHING		
CLASS D PATCHES (HOT-MIX ASPHALT BINDER IL-19mm)	4% @ 70 GYR	11"
STABILIZED SUBBASE		
STABILIZED SUBBASE HOT-MIX ASPHALT IL-19.0, N50 (IL 9.5mm)	3% @ 50 GYR	4 1/2"
TEMPORARY PAVEMENT		
TEMP PAVEMENT (HOT-MIX ASPHALT BINDER COURSE, IL-19mm)	4% @ 70 GYR	9 1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm)	4% @ 70 GYR	2"
SHOULDERS		
HOT-MIX ASPHALT SHOULDERS (HOT-MIX ASPHALT BINDER COURSE, IL-19mm)	4% @ 50 GYR	10 3/4"

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/INCH THICKNESS.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.
- PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS 8 3/4" THICK.

G-04



USER NAME: mikosir	DESIGNED: LLS/MMK	REVISED: -
PLOT SCALE: 1:1	DRAWN: MMK	REVISED: -
PLOT DATE: 24-OCT-2012	CHECKED: LLS	REVISED: -
	DATE: 10/19/12	REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS, AND
MIXTURE REQUIREMENTS

F.A.P. RTE. 330	SECTION 0106-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 5
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

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

TRAFFIC SIGNAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
3. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
4. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
5. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
7. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

G-04A

HNTB	USER NAME * mksur	DESIGNED <i>LLS/MMK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, COMMITMENTS, AND MIXTURE REQUIREMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>MMK</i>	REVISED -			330	0105-WRS	COOK	537	5A	
	PLOT SCALE * 1:1	CHECKED <i>LLS</i>	REVISED -			CONTRACT NO. 60P35					
	PLOT DATE * 29-NOV-2012	DATE	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. N/A TO STA. N/A	ILLINOIS FED. AID PROJECT		

105EL01 105EL03 105EL04 105EL02 07/02

80% FED. / 20% STATE 80% FED. 15% STATE 5% VILLAGE 80% FED. 10% STATE 10% VILLAGE 80% FED. 20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE WATERMAIN 0003 URBAN	
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	350	350							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	155	155							
20101100	TREE TRUNK PROTECTION	EACH	25	25							
20200100	EARTH EXCAVATION	CU YD	62,227	62,227							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	11,453	11,403							50
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,330	1,330							
20800150	TRENCH BACKFILL	CU YD	6,510	6,248							262
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	120,576	120,576							
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	9,523	9,523							
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	55,292	55,292							
* 21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	514	514							
* 21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	1,085	1,085							
* 21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	514	514							
* 25000210	SEEDING, CLASS 2A	ACRE	10.2	10.2							

* SPECIALITY ITEM

S00-01



USER NAME: mkostr	DESIGNED	REVISED
DRAWN: MMK	CHECKED: LLS	DATE: 10/19/12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 6
CONTRACT NO. 60P35				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE WATERMAIN 0003 URBAN
				80% FED. / 20% STATE		80% FED. 15% STATE 5% VILLAGE	80% FED. 10% STATE 10% VILLAGE	80% FED. 20% STATE		
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	
* 25000300	SEEDING, CLASS 3	ACRE	1.5	1.5						
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,048	1,048						
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,048	1,048						
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,048	1,048						
* 25100630	EROSION CONTROL BLANKET	SQ YD	48,604	48,604						
* 25100900	TURF REINFORCEMENT MAT	SQ YD	16,575	16,575						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,165	1,165						
28000305	TEMPORARY DITCH CHECKS	FOOT	316	316						
28000400	PERIMETER EROSION BARRIER	FOOT	7,192	7,192						
28000510	INLET FILTERS	EACH	283	283						
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	48,604	48,604						
28100105	STONE RIPRAP, CLASS A3	SQ YD	55	55						
28100107	STONE RIPRAP, CLASS A4	SQ YD	187	187						
28100109	STONE RIPRAP, CLASS A5	SQ YD	190	190						

* SPECIALITY ITEM

S00-02



USER NAME	DESIGNED	REVISED
MMK	MMK	-
CHECKED	LLS	-
DATE	10/19/12	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	7
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE
				80% FED. / 20% STATE		80% FED. 15% STATE 5% VILLAGE	80% FED. 10% STATE 10% VILLAGE	80% FED. 20% STATE	WATERMAIN	
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN		
28200200	FILTER FABRIC	SQ YD	432	432						
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3,957	3,957						
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	120,235	120,235						
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SQ YD	119,506	119,506						
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	63	63						
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,010	1,010						
40600895	CONSTRUCTING TEST STRIP	EACH	2	2						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	27	27						
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	636	636						
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	274	274						
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	495	495						
42000516	PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" (JOINTED)	SQ YD	88,748	88,748						
42001300	PROTECTIVE COAT	SQ YD	112,846	112,846						
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	762	762						

* SPECIALITY ITEM

S00-03



USER NAME = leupancheck	DESIGNED	REVISED -
PLOT SCALE = 1:1	DRAWN MMK	REVISED -
PLOT DATE = 27-OCT-2012	CHECKED LLS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 8
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

80% FED / 20% STATE

80% FED.
15% STATE
5% VILLAGE

80% FED.
10% STATE
10% VILLAGE

80% FED.
20% STATE

100%
VILLAGE
WATERMAIN
0003
URBAN

CONSTRUCTION CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	VILLAGE
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	19,189	19,189						
42400800	DETECTABLE WARNINGS	SQ FT	120	120						
44000100	PAVEMENT REMOVAL	SQ YD	102,530	102,530						
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	5,360	5,360						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	791	791						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9,828	9,828						
44000600	SIDEWALK REMOVAL	SQ FT	17,233	17,233						
44004000	PAVED DITCH REMOVAL	FOOT	461	461						
44004250	PAVED SHOULDER REMOVAL	SQ YD	20,394	20,394						
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1,316	1,316						
48101500	AGGREGATE SHOULDERS, TYPE B, 6"	SQ YD	1,596	1,596						
48203040	HOT-MIX ASPHALT SHOULDERS, 10 3/4"	SQ YD	3,742	3,742						
48300515	PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"	SQ YD	19,996	19,996						
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1						

* SPECIALITY ITEM

S00-04



USER NAME: rnkost	DESIGNED	REVISED
DRAWN: MMK	CHECKED: LLS	REVISED
DATE: 10/19/12		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 9
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

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

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

80% FED. 15% STATE 5% VILLAGE
 80% FED. 10% STATE 10% VILLAGE
 80% FED. 20% STATE

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	WATERMAIN 0003 URBAN	
50200100	STRUCTURE EXCAVATION	CU YD	708		708						
50300225	CONCRETE STRUCTURES	CU YD	298	18.1	280.0						
50300285	FORM LINER TEXTURED SURFACE	SQ FT	6,697		6,697						
50500505	STUD SHEAR CONNECTORS	EACH	1,286	184	1,102						
50800105	REINFORCEMENT BARS	POUND	60,530	60,530							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	40,380	6,080	34,300						
50800515	BAR SPLICERS	EACH	94	94							
51500100	NAME PLATES	EACH	2		2						
54003000	CONCRETE BOX CULVERTS	CU YD	305	305							
542JC072	PIPE CULVERTS, CLASS C 72" (JACKED)	FOOT	66	66							
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1							
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	3							
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1							
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1	1							

* SPECIALITY ITEM

S00-05



USER NAME: jupencheck	DESIGNED	REVISED -
	DRAWN: MMK	REVISED -
PLOT SCALE: 1/1	CHECKED: LLS	REVISED -
PLOT DATE: 01-NOV-2012	DATE: 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 10
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

80% FED./20% STATE

80% FED.

80% FED.

80% FED.

15% STATE

10% STATE

20% STATE

5% VILLAGE

10% VILLAGE

20% STATE

100% VILLAGE

CONSTRUCTION CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
54247190	GRATING FOR CONCRETE FLARED END SECTION 48"	EACH	1	1						
550A0340	STORM SEWERS, CLASS A, TYPE 2, 12"	FOOT	3,841	3,841						
550A0380	STORM SEWERS, CLASS A, TYPE 2, 18"	FOOT	2,619	2,619						
550A0410	STORM SEWERS, CLASS A, TYPE 2, 24"	FOOT	439	439						
550A0430	STORM SEWERS, CLASS A, TYPE 2, 30"	FOOT	36	36						
550A0450	STORM SEWERS, CLASS A, TYPE 2, 36"	FOOT	923	923						
550A0470	STORM SEWERS, CLASS A, TYPE 2, 42"	FOOT	841	841						
550A0480	STORM SEWERS, CLASS A, TYPE 2, 48"	FOOT	13	13						
550A0640	STORM SEWERS, CLASS A, TYPE 3, 12"	FOOT	332	332						
550A0520	STORM SEWERS, CLASS A, TYPE 2, 72"	FOOT	184	184						
550A0770	STORM SEWERS, CLASS A, TYPE 3, 42"	FOOT	405	405						
550A0780	STORM SEWERS, CLASS A, TYPE 3, 48"	FOOT	541	541						
55100400	STORM SEWER REMOVAL 10"	FOOT	451	451						
55100500	STORM SEWER REMOVAL 12"	FOOT	3,862	3,862						

* SPECIALITY ITEM

S00-06



USER NAME * Isupencheck	DESIGNED	REVISED -
	DRAWN <i>MMK</i>	REVISED -
PLOT SCALE * 1:1	CHECKED <i>LLS</i>	REVISED -
PLOT DATE * 01-NOV-2012	DATE <i>10/19/12</i>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	11
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED / 20% STATE

80% FED.

80% FED.

80% FED.

15% STATE

10% STATE

20% STATE

5% VILLAGE

10% VILLAGE

20% STATE

100% VILLAGE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
55100700	STORM SEWER REMOVAL 15"	FOOT	2,556	2,556						
55100900	STORM SEWER REMOVAL 18"	FOOT	296	296						
55101200	STORM SEWER REMOVAL 24"	FOOT	645	645						
56103000	DUCTILE IRON WATER MAIN, 6"	FOOT	124	76						48
56103300	DUCTILE IRON WATER MAIN, 12"	FOOT	1,019	815						204
56105200	WATER VALVE 12"	EACH	2	1						1
56400500	FIRE HYDRANT TO BE REMOVED	EACH	3	2						1
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3	2						1
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	523		523					
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	7	7						
60107600	PIPE UNDERDRAINS 4"	FOOT	840		840					
60107700	PIPE UNDERDRAINS 6"	FOOT	2,189	2,189						
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	205	205						
60200105	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						

* SPECIALITY ITEM

S00-07

HNTB	USER NAME = isupen@hntb.com	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1"=10'	DRAWN MMK	REVISED -					330	0105-WRS	COOK	537	12
	PLOT DATE = 01-NOV-2012	CHECKED LLS	REVISED -					CONTRACT NO. 60P35				
	PLOT DATE = 10/19/12	DATE 10/19/12	REVISED -					ILLINOIS FED. AID PROJECT				

80% FED. / 20% STATE

80% FED. 15% STATE

80% FED. 10% STATE

80% FED. 20% STATE

5% VILLAGE 10% VILLAGE

20% STATE

CONSTRUCTION CODE

100% VILLAGE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
60200805	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 8 GRATE	EACH	3	3						
60201105	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	EACH	34	34						
60201340	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	EACH	86	86						
60218300	MANHOLES, TYPE A, 4' DIA., TYPE 1 FRAME, OPEN LID	EACH	8	8						
60218400	MANHOLES, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID	EACH	4	4						
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	11	11						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12						
60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10	10						
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1						
60248700	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	1						1
60250200	CATCH BASINS TO BE ADJUSTED	EACH	15	15						

* SPECIALITY ITEM

S00-08



USER NAME: <i>hspunchcheck</i>	DESIGNED	REVISED -
PLOT SCALE: 1"=10'	DRAWN: <i>MMK</i>	REVISED -
PLOT DATE: 01-NOV-2012	CHECKED: <i>LLS</i>	REVISED -
	DATE: <i>10/19/12</i>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	13
CONTRACT NO. 60P35				

80% FED./20% STATE

80% FED.
15% STATE

80% FED.
10% STATE

80% FED.
20% STATE

5% VILLAGE

10% VILLAGE

20% STATE

CONSTRUCTION CODE

100%
VILLAGE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
60255500	MANHOLES TO BE ADJUSTED	EACH	12	12						
60500040	REMOVING MANHOLES	EACH	28	28						
60500050	REMOVING CATCH BASINS	EACH	82	82						
60500060	REMOVING INLETS	EACH	14	14						
60600605	CONCRETE CURB, TYPE B	FOOT	604	604						
60602800	CONCRETE GUTTER, TYPE B	FOOT	840		840					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6,260	6,260						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,791	2,791						
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	2,787	2,787						
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2,194	2,194						
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	5,552	5,552						
60624620	CORRUGATED MEDAIN (MODIFIED)	SQ FT	3,000	3,000						
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	227	227						
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) FLARED	EACH	2	2						

* SPECIALITY ITEM

S00-09



USER NAME = lvspercheck	DESIGNED	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 1/4"	CHECKED LLS	REVISED -
PLOT DATE = 01-NOV-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. PTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	14
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE WATERMAIN
				ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	
63200310	GUARDRAIL REMOVAL	FOOT	7,884	7,884						
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	182	182						
63700155	CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT	FOOT	727	727						
63700255	CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT	FOOT	4,151	4,151						
63700805	CONCRETE BARRIER TRANSITION	FOOT	50	50						
63700900	CONCRETE BARRIER BASE	FOOT	4,970	4,970						
64300260	IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	3	3						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	20	20						
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	20	20						
67100100	MOBILIZATION	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	464	464						
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	131	131						
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	303	303						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	63,390	63,390						

* SPECIALITY ITEM

S00-10



USER NAME = lsupeneck	DESIGNED	REVISED -
DRAWN MMK	DRAWN	REVISED -
CHECKED LLS	CHECKED	REVISED -
DATE 10/19/12	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 15
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

80% FED. / 20% STATE
 80% FED. 15% STATE 5% VILLAGE
 80% FED. 10% STATE 10% VILLAGE
 80% FED. 20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE WATERMAIN 0003 URBAN
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,114	1,114						
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1,722	1,722						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	180	180						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	183	183						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	56,307	56,307						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	14,233	14,233						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	6,977	6,977						
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	200	200						
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	612	460			77	60	15	
* 72000200	SIGN PANEL - TYPE 2	SQ FT	347	289			33		25	
* 72000300	SIGN PANEL - TYPE 3	SQ FT	1,176	1,176						
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9						
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	5	5						

* SPECIALITY ITEM

S00-11

HNTB	USER NAME: laspencheck	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 16
	PLLOT SCALE: 1:1	DRAWN: MMK	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60P35		
	PLLOT DATE: 01-NOV-2012	CHECKED: LLS	REVISED -		ILLINOIS FED. AID PROJECT								
	PLLOT DATE: 10/19/12	DATE: 10/19/12	REVISED -										

80% FED./20% STATE

80% FED.

15% STATE

10% STATE

80% FED.

5% VILLAGE

10% VILLAGE

20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	529	529						
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	190	190						
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	1,576	1,576						
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	15	15						
72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	366	366						
72700100	STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY	POUND	9,748	9,748						
72900100	METAL POST - TYPE A	FOOT	444	444						
72900200	METAL POST - TYPE B	FOOT	120	120						
73000100	WOOD SIGN SUPPORT	FOOT	120	120						
73302170	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5' -6")	FOOT	29	29						
73400100	CONCRETE FOUNDATIONS	CU YD	23.0	23.0						
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	8.5	8.5						
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1	1						
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILIVER	EACH	1	1						

X

* SPECIALITY ITEM

S0Q-12



USER NAME: <i>tsupencheck</i>	DESIGNED	REVISED -
DRAWN: <i>MMK</i>	CHECKED: <i>LLS</i>	REVISED -
FLUT SCALE: 1:1	DATE: <i>10/19/12</i>	REVISED -
FLUT DATE: 01-NOV-2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 637	SHEET NO. 17
CONTRACT NO. 60P35				ILLINOIS FED. AID PROJECT

80% FED. / 20% STATE

80% FED. / 15% STATE / 5% VILLAGE

80% FED. / 10% STATE / 10% VILLAGE

80% FED. / 20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	100% VILLAGE WATERMAIN 0003 URBAN	
* 73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	3	3							
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,783	1,783							
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	170	170							
• 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	1,808	1,808							
• 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	33,683	33,683							
• 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	10,146	10,146							
• 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	3,213	3,213							
• 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	419	419							
• 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	502	502							
• 78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	SQ FT	1,758	1,758							
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,093	1,093							
• 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	28	28							
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	3	3							
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	178	178							

* SPECIALITY ITEM

S00-13



USER NAME - tsupercheck	DESIGNED	REVISED -
DRAWN - MMK	CHECKED - LLS	REVISED -
DATE - 10/19/12		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. R.T.E. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 18
				CONTRACT NO. 60P35

80% FED. / 20% STATE

80% FED. / 15% STATE

80% FED. / 10% STATE

80% FED. / 5% VILLAGE

15% STATE

10% STATE

20% STATE

5% VILLAGE

10% VILLAGE

100% VILLAGE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	WATERMAIN 0003 URBAN		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2								
78300100	PAVEMENT MARKING REMOVAL	SO FT	31,667	31,667								
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,559	1,559								
• 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1						
• 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0.5		0.5						
• 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1							1		
• 81023200	CONDUIT ENCASED, CONCRETE, 2" DIA., PVC 1 WIDE X 1 HIGH	FOOT	502			502						
• 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3928	809			882	1403		834		
• 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	182				61	77		44		
• 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1592			1,309	127	50		106		
• 81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	28	28								
• 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	3966	2,456			619	607		284		
• 81101000	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	449	449								
• 81200250	CONDUIT EMBEDDED IN STRUCTURE, 3" DIA., PVC	FOOT	9,110	9,110								

14 * SPECIALITY ITEM

S00-14



USER NAME: lspancheck	DESIGNED	REVISED
PLOT SCALE: 1:1	DRAWN: MMK	REVISED
PLOT DATE: 01-NOV-2012	CHECKED: LLS	REVISED
	DATE: 10/19/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RIE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 19
CONTRACT NO. 60P35				

80% FED. / 20% STATE

80% FED. / 15% STATE / 5% VILLAGE

80% FED. / 10% STATE / 10% VILLAGE

80% FED. / 20% STATE

100% VILLAGE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						WATERMAIN 0003 URBAN
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	
• 81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	12,549			12,549				
• 81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2	2						
• 81301370	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	1			1				
• 81304800	JUNCTION BOX EMBEDDED IN STRUCTURE 18" X 18" X 10"	EACH	7	7						
• 81400100	HANDHOLE	EACH	25	9			5	5	6	
• 81400200	HEAVY-DUTY HANDHOLE	EACH	11	1			4	4	2	
• 81400300	DOUBLE HANDHOLE	EACH	6				2	3	1	
• 81603025	UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	242			242				
• 81603081	UNIT DUCT, 600V, 3-1C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	13,176			13,176				
• 81603085	UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	172			172				
• 81603105	UNIT DUCT, 600V, 4-1C NO. 4, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	88			88				
• 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	109	109						
• 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	218	218						
• 81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	100			100				

* SPECIALITY ITEM

S00-15



USER NAME: leupancheck	DESIGNED	REVISED -
PLOT SCALE: 1/4"	DRAWN: MMK	REVISED -
PLOT DATE: 01-NOV-2012	CHECKED: LLS	REVISED -
	DATE: 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	20
CONTRACT NO. 60P35				

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

80% FED.

80% FED.

80% FED.
20% STATE

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	120			120				
81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	19,624			19,624				
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4			4				
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	184			184				
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	28			28				
83002200	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. DAVIT ARM	EACH	6			6				
83050825	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	47			47				
83050915	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. DAVIT ARMS	EACH	20			20				
83057295	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	106			106				
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	560			560				
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	56			56				
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	111			111				
84200500	REMOVAL LIGHTING UNIT, SALVAGE	EACH	84			84				
84200804	REMOVAL OF POLE FOUNDATION	EACH	84			84				

* SPECIALITY ITEM

S00-16



USER NAME = lvspercheck	DESIGNED	REVISED -
DRAWN MMK	CHECKED LLS	REVISED -
PLOT SCALE = 1/4"	DATE 10/19/12	REVISED -
PLOT DATE = 01-NOV-2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	21
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

80% FED. / 20% STATE

80% FED. | 80% FED.
15% STATE | 10% STATE
5% VILLAGE | 10% VILLAGE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
• 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1			1				
• 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1			1				
• 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1			1				
• 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1					1	
• 86000100	MASTER CONTROLLER	EACH	1	1						
• 86400100	TRANSCEIVER - FIBER OPTIC	EACH	2				1	1		
• 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,213	4,213						
• 87301215	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 2C	FOOT	2079				234	1,845		
• 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3344				248	3,096		
• 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	9823				4095	3,979	1749	
• 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3093				1201	1,199	693	
• 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	14544				5,319	7,331	1894	
* 87301800	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 4 2C	FOOT	279						279	
• 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	301				190	111		
• 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4221				1,562	1,816	843	

15 * SPECIALITY ITEM

S00-17



USER NAME: lsupencheck	DESIGNED	REVISED -
DRAWN: MMK	CHECKED: LLS	REVISED -
PLOT SCALE: 1/4" = 1'	DATE: 10/19/12	REVISED -
PLOT DATE: 01-NOV-2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 22
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

80% FED./20% STATE

80% FED. 15% STATE 5% VILLAGE
 80% FED. 10% STATE 10% VILLAGE
 80% FED. 20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE WATERMAIN 0003 URBAN	
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN		
87501000	TRAFFIC SIGNAL POST, 14 FT.	EACH	2							2	
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	2							2	
• 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1						1		
• 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3					1		2	
• 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8				4	2		2	
• 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1							1	
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1							1	
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1							1	
• 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1							1	
• 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1							1	
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1						1		
• 87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1				1				
* 87700330	STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1						1		
• 87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1						1		
• 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	2				2				
• 87703010	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	EACH	1						1		

* SPECIALITY ITEM

S00-18



USER NAME: lcupencheck	DESIGNED	REVISED -
DRAWN: MMK	CHECKED: LLS	DATE: 10/19/12
PLLOT SCALE: 1:1		
PLLOT DATE: 01-NOV-2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 23
CONTRACT NO. 60P35				ILLINOIS FED. AID PROJECT

80% FED./20% STATE

80% FED. 80% FED.
15% STATE 10% STATE
5% VILLAGE 10% VILLAGE 20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
• 87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1				1			
• 87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1					1		
• 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	50				20	20	16	
• 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12				4	4	4	
• 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10						10	
• 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	74				41		33	
• 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	105				21	84		
• 87900200	DRILL EXISTING HANDHOLE	EACH	1	1						
• 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	31				12	11	8	
• 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3					1	2	
• 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3					1	2	
• 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7				2	3	2	
• 88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3				2	1		
• 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2				2			

* SPECIALITY ITEM

S00-19



USER NAME = jspencheck	DESIGNED	REVISED
PLOT SCALE = 1/4"	DRAWN MMK	REVISED
PLOT DATE = 01-NOV-2012	CHECKED LLS	REVISED
	DATE 10/19/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	24
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

80% FED. / 20% STATE
 80% FED. 15% STATE 5% VILLAGE
 80% FED. 10% STATE 10% VILLAGE
 80% FED. 20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE
 ROADWAY 0003 URBAN
 RET. WALL 0040 URBAN
 LIGHTING 0021 URBAN
 TS-ZEMKE 0021 URBAN
 TS-HIGGINS 0021 URBAN
 TS-PATTON 0021 URBAN
 VILLAGE
 WATERMAIN 0003 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	
• 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	9				2	7		
* 88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1					1		
• 88200210	TRAFFIC SIGNAL BACKPLATE LOUVERED, ALUMINUM	EACH	38				14	14	10	
• 88500100	INDUCTIVE LOOP DETECTOR	EACH	47				19	21	7	
• 88600100	DETECTOR LOOP, TYPE I	EACH	380						380	
• 88600700	PREFORMED DETECTOR LOOP	FOOT	2463				1443	1,020		
• 88700200	LIGHT DETECTOR	EACH	4					4		
• 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1					1		
• 88800100	PEDESTRIAN PUSH-BUTTON	EACH	10				2	8		
• 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2				1	1		
* 89100400	ILLUMINATED SIGN, LED	EACH	4					4		
• 89502200	MODIFY EXISTING CONTROLLER	EACH	1							
• 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2442	2442						
• 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3				1	1	1	
• 89502380	REMOVE EXISTING HANDHOLE	EACH	51	4		6	12	21	8	
• 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	14				7	7		

15 • SPECIALITY ITEM

S00-20



USER NAME: lsapancheck	DESIGNED	REVISED
PLOT SCALE: 1/4"	DRAWN: MMK	REVISED
PLOT DATE: 01-NOV-2012	CHECKED: LLS	REVISED
	DATE: 10/19/12	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P35	

80% FED./20% STATE 80% FED. 80% FED. 80% FED.
 15% STATE 10% STATE 20% STATE
 5% VILLAGE 10% VILLAGE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE 100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
E2021061	VINE-PARTHENOCISSUS QUINQUEFOIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1-GALLON POT	EACH	422	422						
X0323260	SEDIMENT BASIN	EACH	1	1						
X0324044	EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN	EACH	10	10						
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3/C	FOOT	1002					1002		
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	5,810	5,810						
X0325751	DRIVING SOLDIER PILES	FOOT	3,254		3,254					
X0326465	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM	L SUM	1	1						
X0327004	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	4			4				
X0326945	CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT	EACH	2	2						
X0326955	REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	1			1				
X0327009	REMOVE SIGN (SPECIAL)	EACH	1	1						
X0327216	CLOSED CIRCUIT TELEVISION CAMERA	EACH	2	2						
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2,449	2,449						
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	13,013	13,013						
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	2,099	1,043						1,056

* SPECIALITY ITEM

S00-21

HNTB	USER NAME = Isupenbeck	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/1"	DRAWN MHK	REVISED -			330	0105-WRS	COOK	537	26
	PLOT DATE = 01-NOV-2012	CHECKED LLS	REVISED -			CONTRACT NO. 60P35				
	DATE 10/19/12	DATE 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT				

80% FED. / 20% STATE

80% FED. 15% STATE 5% VILLAGE

80% FED. 10% STATE 10% VILLAGE

80% FED. 20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
X5610706	WATER MAIN REMOVAL, 6"	FOOT	10	10						
X5610712	WATER MAIN REMOVAL, 12"	FOOT	268	223						45
X6020096	MANHOLES, TYPE A, 6' -DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1						
X6060097	CLASS SI CONCRETE (OUTLET), SPECIAL	CU YD	2.0	2.0						
X6061100	CONCRETE MEDIAN, TYPE SB (SPECIAL)	SQ FT	12,004	12,004						
X6061902	CONCRETE MEDIAN, TYPE SM (SPECIAL)	SQ FT	1,846	1,846						
X6640050	CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL)	FOOT	840		840					
X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	44	44						
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	39	39						
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
X7011015	TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS)	L SUM	1	1						
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	1,856	1,856						
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	155,882	155,882						
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	9,395	9,395						

14 * SPECIALITY ITEM

S00-22



USER NAME = tsupenoch	DESIGNED	REVISED -
DRAWN MMK	CHECKED LLS	REVISED -
PLLOT SCALE = 3/4	DATE 10/19/12	REVISED -
PLLOT DATE = 01-NOV-2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P35	

80% FED. / 20% STATE

80% FED. 15% STATE 5% VILLAGE
 80% FED. 10% STATE 10% VILLAGE
 80% FED. 20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	WATERMAIN 0003 URBAN	
X7030045	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	1,626	1,626							
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	251	251							
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	679	679							
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2	2							
* X8050095	SERVICE INSTALLATION (SPECIAL)	EACH	2				1	1			
* X8140105	HANDHOLE (SPECIAL)	EACH	3			3					
* X8251388	LIGHTING CONTROLLER, BASE MOUNTED, 480V 200AMP (DUAL), RADIO SCADA	EACH	1			1					
* X8361005	RELOCATE EXISTING LIGHT POLE FOUNDATION, METAL	EACH	1			1					
* X8440110	RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	1			1					
* X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2				1		1		
* X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1					1			
* X8600105	MASTER CONTROLLER (SPECIAL)	EACH	1	1							
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	3				1	1	1		
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F & SM24F	FOOT	4,213	4,213							
* X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	10,117	10,117							

* SPECIALITY ITEM

S00-23



USER NAME: <i>lsupercheck</i>	DESIGNED	REVISED
DRAWN: <i>MMK</i>	CHECKED: <i>LLS</i>	DATE: <i>10/19/12</i>

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 28
CONTRACT NO. 60P35				ILLINOIS FED. AID PROJECT

80% FED./20% STATE

80% FED. 15% STATE 5% VILLAGE
 80% FED. 10% STATE 10% VILLAGE
 80% FED. 20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

100% VILLAGE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	WATERMAIN
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0003 URBAN
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	437	437						
X8710071	FIBER OPTIC FUSION SPLICE	EACH	2	2						
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/4, TWISTED, SHIELDED	FOOT	1,102					1,102		
X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1			1				
Z0007118	UNTREATED TIMBER LAGGING	SQ FT	6,110		6,110					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
Z0016702	DETOUR SIGNING	L SUM	1	1						
Z0026402	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	3,254		3,254					
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	9	9						
70600290	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, WIDE), TEST LEVEL 3	EACH	1	1						
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	18	18						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1,661	1,661						
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	56			56				
Z0033052	COMMUNICATIONS VAULT	EACH	2	2						

* SPECIALITY ITEM

S00-24



USER NAME * Isupencheck	DESIGNED	REVISED -
PLOT SCALE * 1:1	DRAWN MMK	REVISED -
PLOT DATE * 01-NOV-2012	CHECKED LLS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 29
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

00%.FED. / 20%.STATE
 00%.FED. 00%.FED.
 15%.STATE 10%.STATE
 5%.VILLAGE 10%.VILLAGE
 80%.FED. 20%.STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE
 100%.
 VILLAGE
 WATERMAIN
 0003
 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	RET. WALL	LIGHTING	TS-ZEMKE	TS-HIGGINS	TS-PATTON	VILLAGE
				0003 URBAN	0040 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	
• Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1	1						
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	359	359						
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	191	191						
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	539	539						
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	201	201						
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	316	316						
Z0062456	TEMPORARY PAVEMENT	SQ YD	29,530	29,530						
Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	713	713						
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,734	1,734						
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2				1	1		
⊙ Z0076600	TRAINEES	HOUR	2000	2000						
⊙ Z0076604	TRAINING PROGRAM GRADUATE	HOUR	2000	2000						
• X0327514	GROUT SOIL MIXING	CU FT	2,772	2,772						
X4201050	HIGH-EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" (JOINTED)	SQ YD	488	488						

13 * SPECIALITY ITEM 00042



USER NAME * Isapencheck	DESIGNED	REVISED -
DRAWN MMK	CHECKED LLS	REVISED -
PLOT SCALE = 1:1	DATE 10/19/12	REVISED -
PLOT DATE * 01-NOV-2012		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 30
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE
 80% FED. / 15% STATE / 5% VILLAGE
 80% FED. / 10% STATE / 10% VILLAGE
 80% FED. / 20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						100% VILLAGE WATERMAIN
				ROADWAY 0003 URBAN	RET. WALL 0040 URBAN	LIGHTING 0021 URBAN	TS-ZEMKE 0021 URBAN	TS-HIGGINS 0021 URBAN	TS-PATTON 0021 URBAN	
* X8301051	MAST ARM, ALUMINUM, 20 FT.	EACH	4			4				
* 83002210	LIGHT POLE, ALUMINUM, 40 FT. M.H., 2-6 FT. DAVIT ARM	EACH	1			1				
* X8304970	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-15 FT. DAVIT ARM (SPECIAL)	EACH	3			3				
* X0327515	THERMAL VEHICLE DETECTION SYSTEM	EACH	1						1	

* SPECIALITY ITEM

S00-26



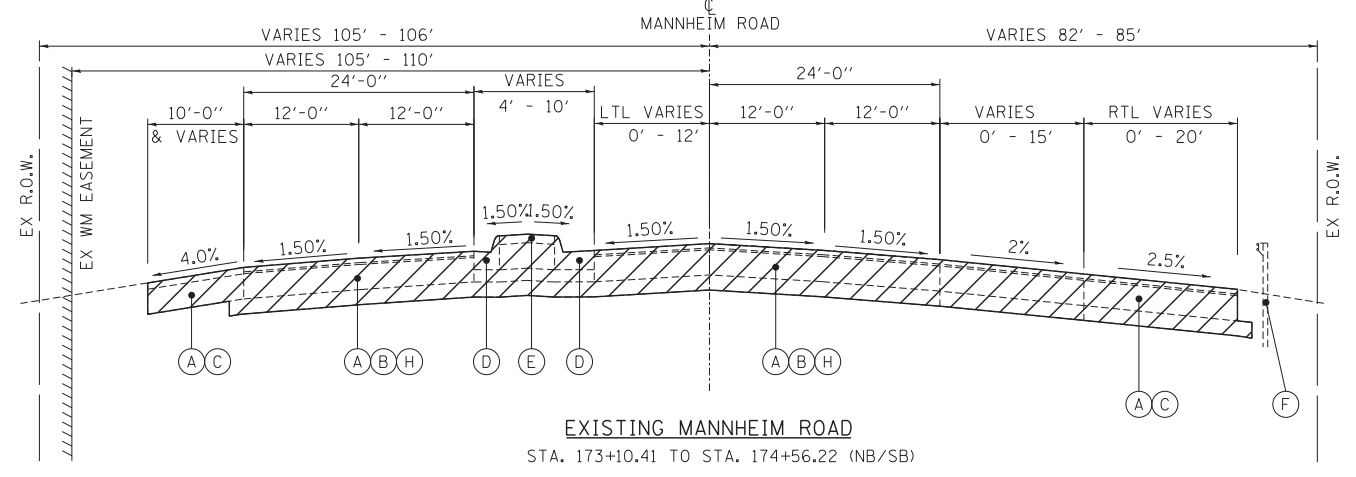
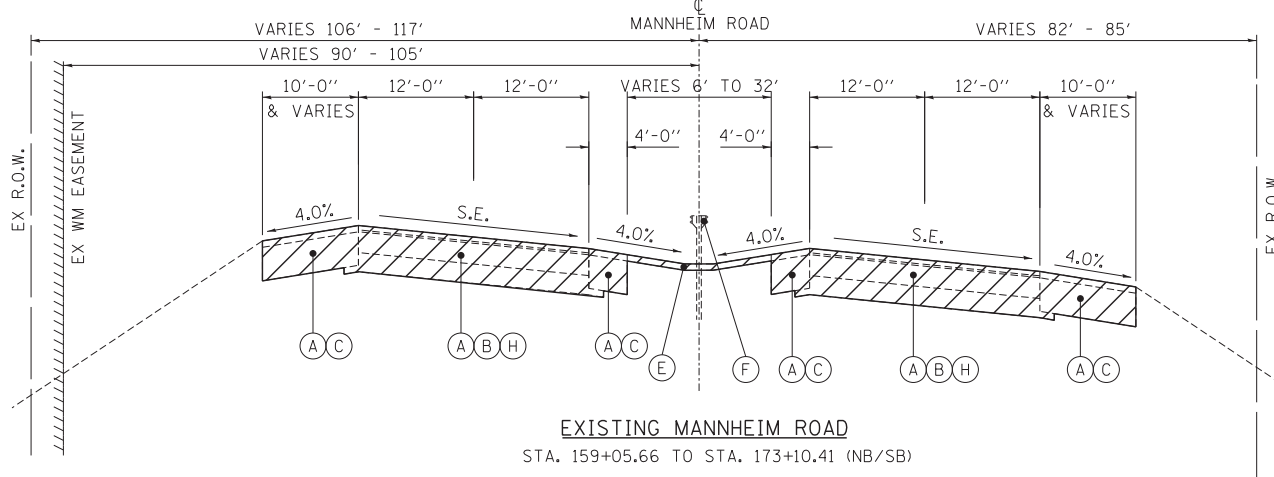
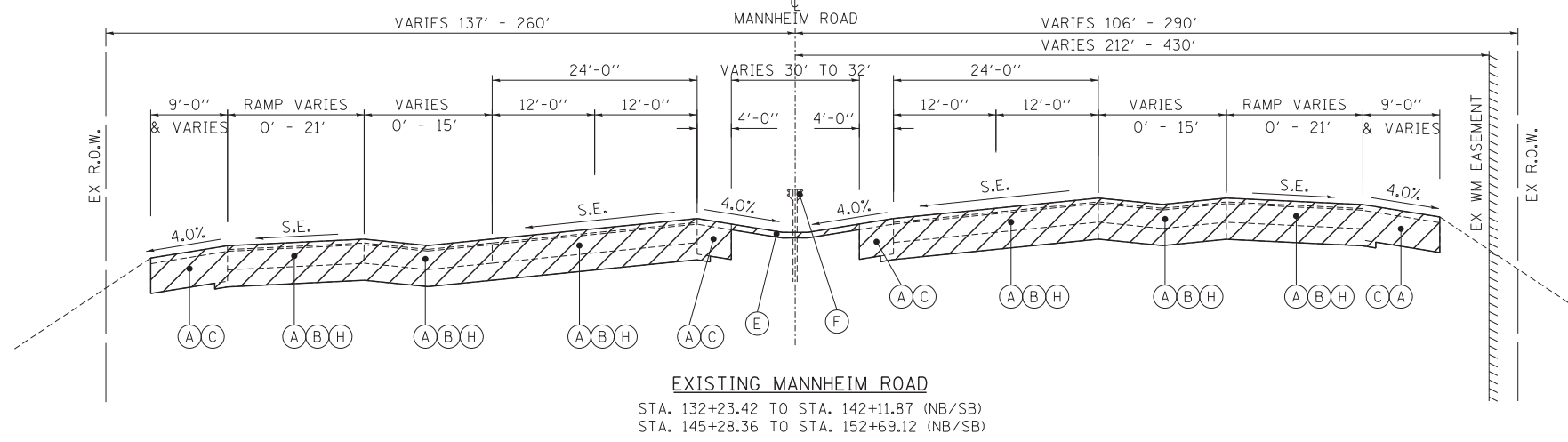
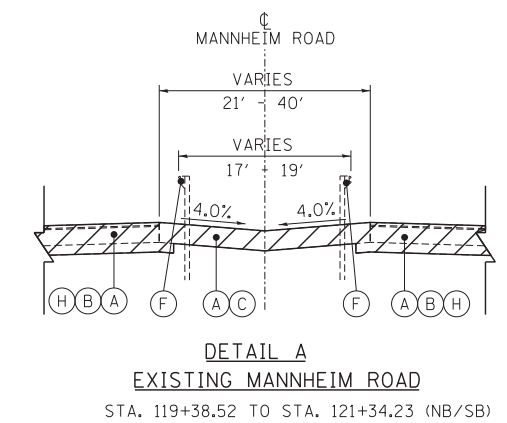
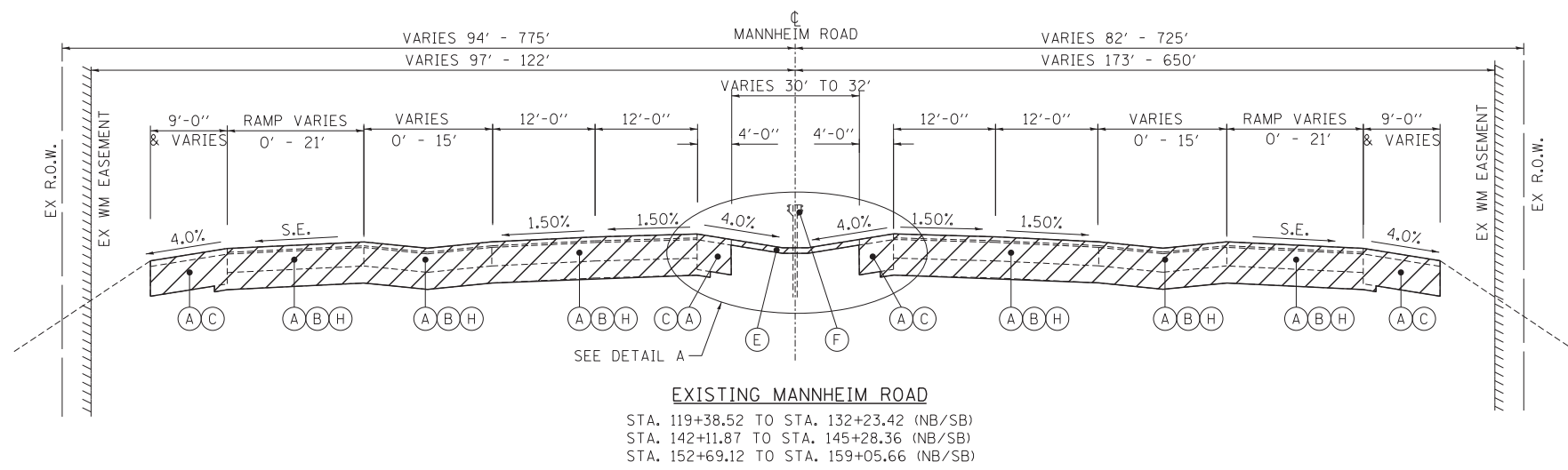
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DATE: 10/19/12	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	31
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



EXISTING LEGEND:

- (A) PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 8" TO 12.75")
- (B) HMA PAVEMENT (VARIES 2.5" TO 8.5")
- (C) HMA SHOULDERS (VARIES 3" & VARIES)
- (D) CONCRETE CURB AND GUTTER
- (E) CONCRETE MEDIAN SURFACE
- (F) GUARDRAIL
- (G) AGGREGATE SHOULDER
- (H) SUB-BASE GRANULAR MATERIAL (VARIES 1.25" TO 13.25")
- (I) PAVED DITCH
- (J) HMA SURFACE REMOVAL (4" - COLD MILL)
- (K) CONCRETE MEDIAN
- (L) PORTLAND CEMENT CONCRETE SIDEWALK (VARIES X" TO X")

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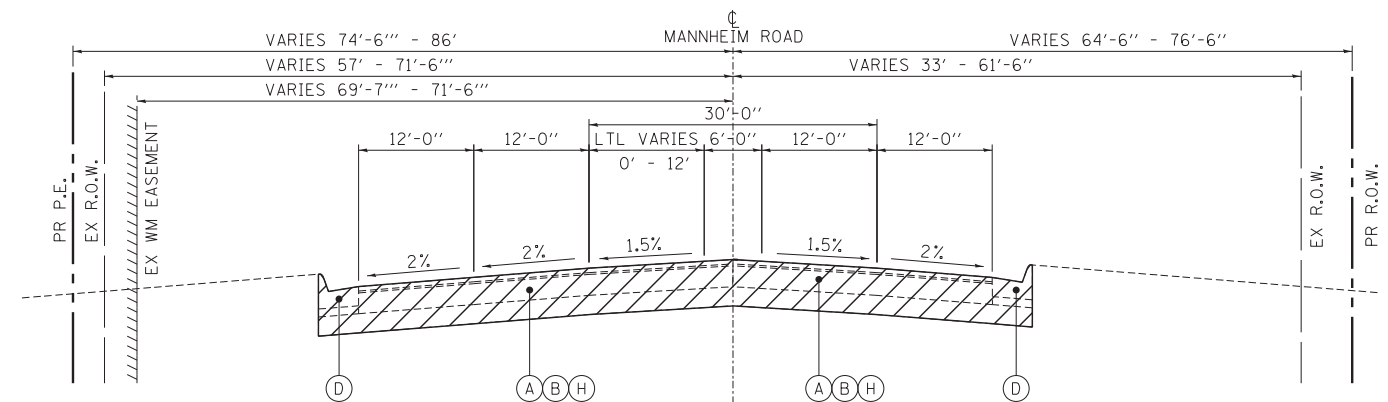
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

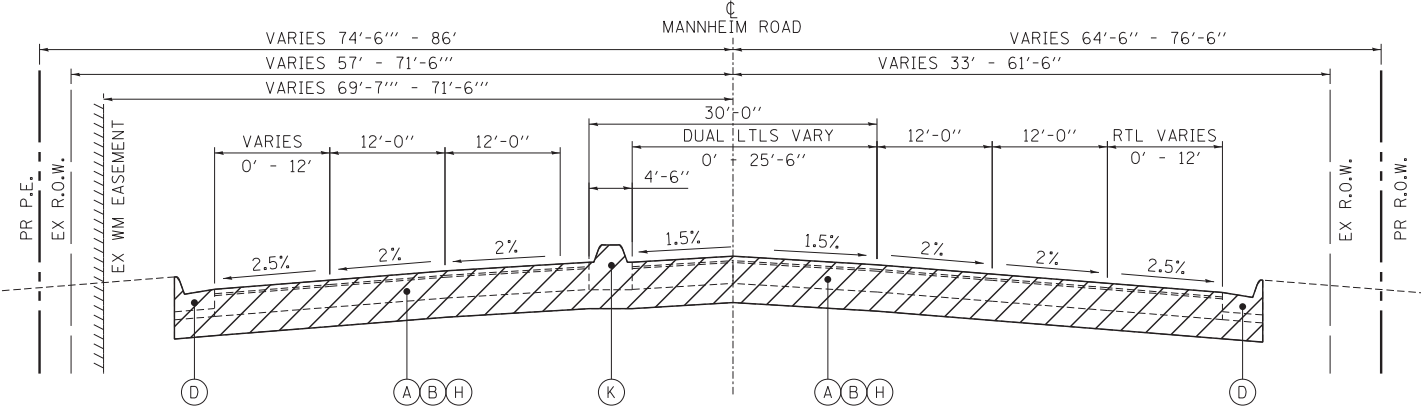
EXISTING MANNHEIM ROAD TYPICAL SECTIONS			
SCALE: 1"=10'	SHEET NO. OF SHEETS	STA. 119+38.52 TO STA. 174+56.22	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	32
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

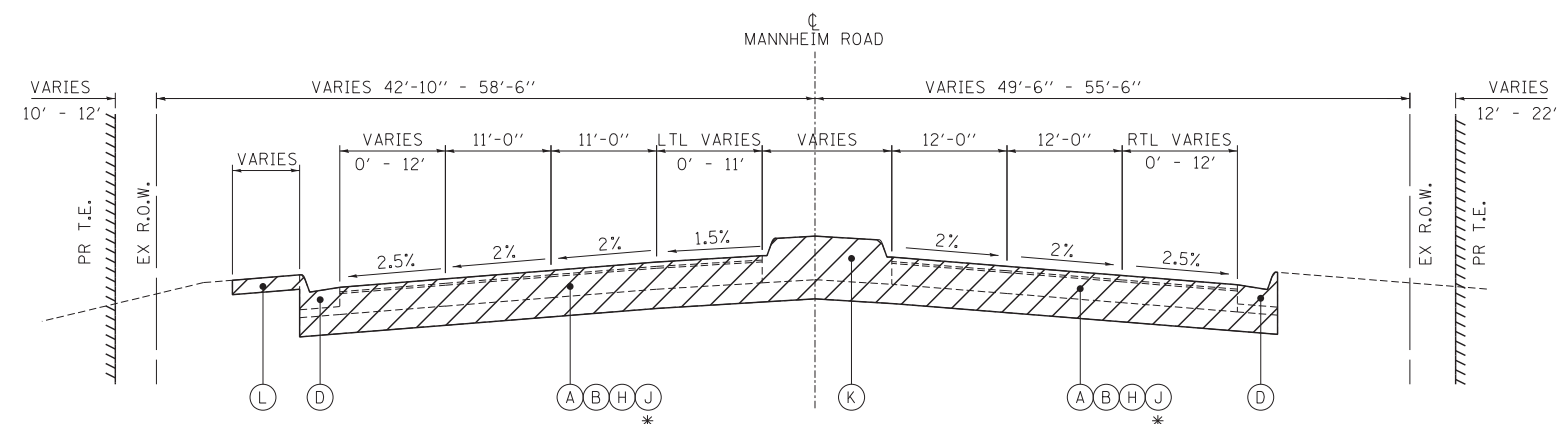
TYP-01



EXISTING MANNHEIM ROAD
STA. 174+56.22 TO STA. 177+35.58 (NB/SB)



EXISTING MANNHEIM ROAD
STA. 177+35.58 TO STA. 186+65.48 (NB/SB)



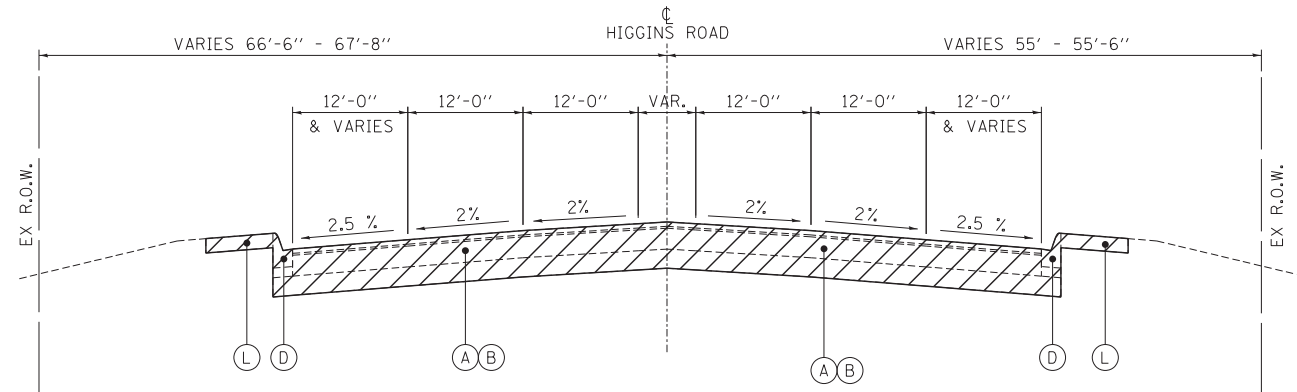
EXISTING MANNHEIM ROAD
STA. 186+65.48 TO STA. 188+60.92 (NB/SB)
* STA. 189+58.77 TO STA. 196+16.59 (MILLING & RESURFACING - NB/SB)

EXISTING LEGEND:

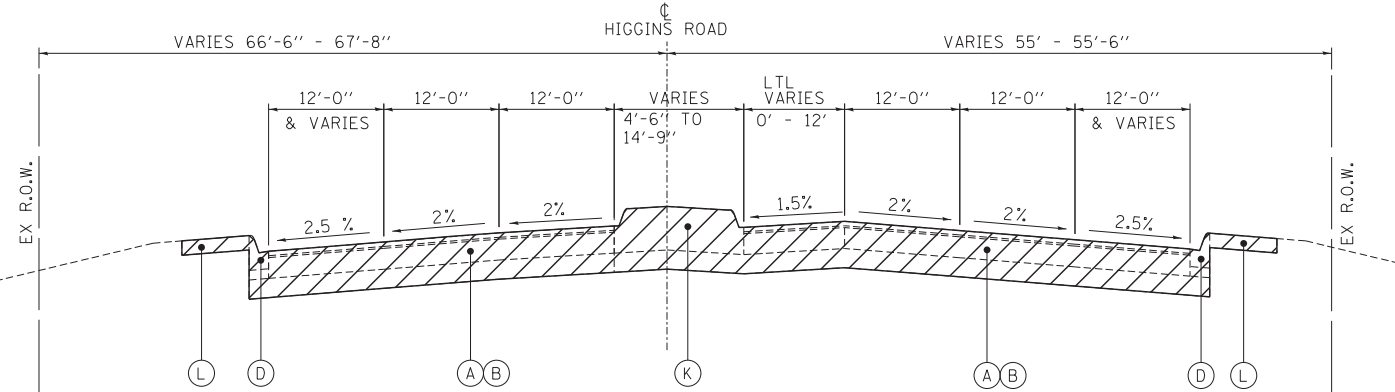
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- (B) HMA PAVEMENT (VARIES 2.5" TO 8.5")
- (C) HMA SHOULDERS (VARIES 3" & VARIES)
- (D) CONCRETE CURB AND GUTTER
- (E) CONCRETE MEDIAN SURFACE
- (F) GUARDRAIL
- (G) AGGREGATE SHOULDER
- (H) SUB-BASE GRANULAR MATERIAL (VARIES 1.25" TO 13.25")
- (I) PAVED DITCH
- (J) HMA SURFACE REMOVAL (4" - COLD MILL)
- (K) CONCRETE MEDIAN
- (L) PORTLAND CEMENT CONCRETE SIDEWALK (VARIES X" TO X")

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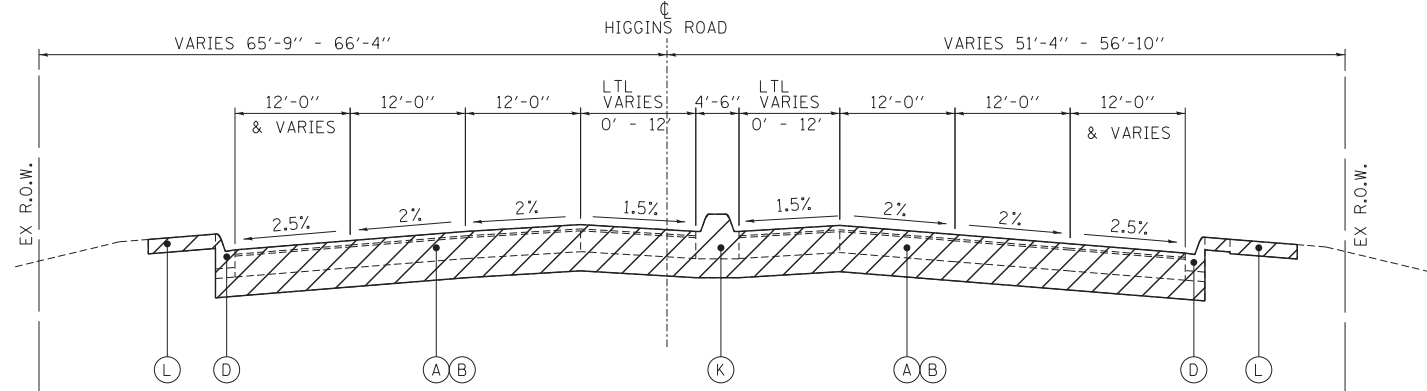
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TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS												ILLINOIS FED. AID PROJECT	



EXISTING HIGGINS ROAD
 STA. 494+26.00 TO STA. 494+69.50 (EB/WB)
 STA. 496+15.62 TO STA. 496+55.04 (EB/WB)
 STA. 504+62.79 TO STA. 505+95.00 (EB/WB)

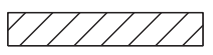


EXISTING HIGGINS ROAD
 STA. 494+69.50 TO STA. 496+15.62 (EB/WB)
 STA. 496+55.04 TO STA. 500+00.35 (EB/WB)



EXISTING HIGGINS ROAD
 STA. 500+00.35 TO STA. 504+62.79 (EB/WB)

EXISTING LEGEND:



= REMOVAL

- | | |
|---|---|
| (A) PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 8" TO 12.75") | (G) AGGREGATE SHOULDER |
| (B) HMA PAVEMENT (VARIES 2.5" TO 8.5") | (H) SUB-BASE GRANULAR MATERIAL (VARIES 1.25" TO 13.25") |
| (C) HMA SHOULDERS (VARIES 3" & VARIES) | (I) PAVED DITCH |
| (D) CONCRETE CURB AND GUTTER | (J) HMA SURFACE REMOVAL (4" - COLD MILL) |
| (E) CONCRETE MEDIAN SURFACE | (K) CONCRETE MEDIAN |
| (F) GUARDRAIL | (L) PORTLAND CEMENT CONCRETE SIDEWALK (VARIES X" TO X") |

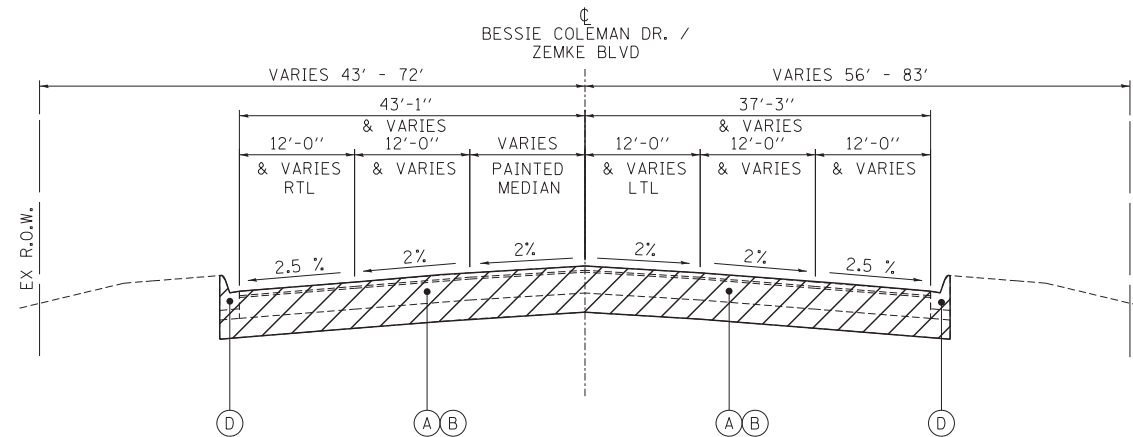
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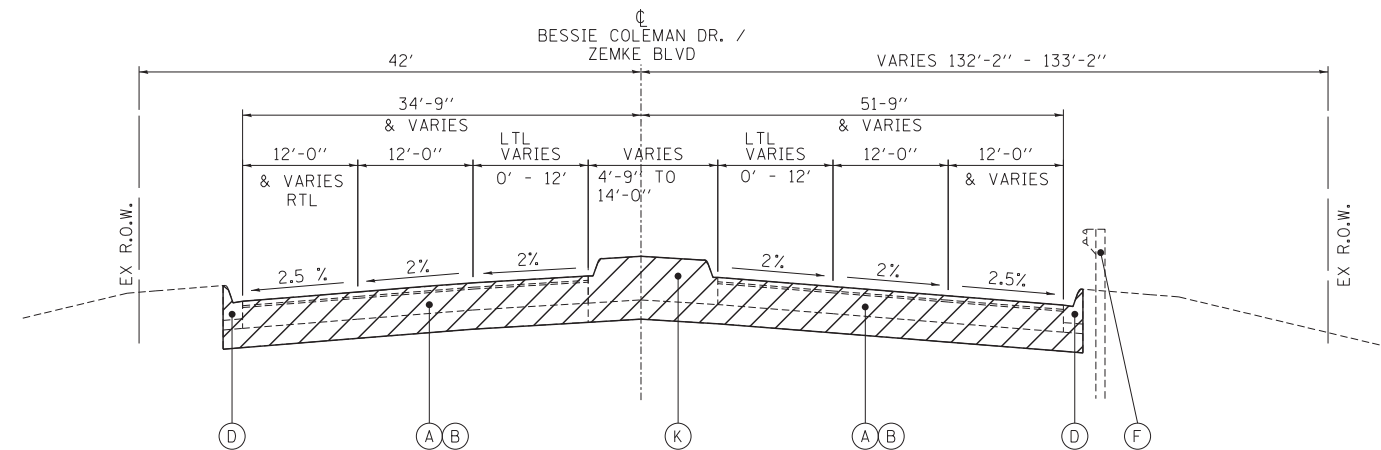
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING HIGGINS ROAD TYPICAL SECTIONS		SCALE: 1"=10'	
SHEET NO.	OF SHEETS	STA. 494+26.00	TO STA. 505+95.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	34
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



EXISTING BESSIE COLEMAN DRIVE / ZEMKE BLVD
 STA. 11+37.72 TO STA. 13+37.83 - BESSIE COLEMAN DR. (NB/SB)
 STA. 14+82.30 TO STA. 17+44.17 - ZEMKE BLVD (EB/WB)



EXISTING BESSIE COLEMAN DRIVE / ZEMKE BLVD
 STA. 13+37.83 TO STA. 14+82.30 - BESSIE COLEMAN DRIVE (EB/WB)
 STA. 17+44.17 TO STA. 21+45.92 (WB) - ZEMKE BLVD
 STA. 17+44.17 TO STA. 21+37.16 (EB) - ZEMKE BLVD

EXISTING LEGEND:



= REMOVAL

- | | |
|---|---|
| (A) PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 8" TO 12.75") | (G) AGGREGATE SHOULDER |
| (B) HMA PAVEMENT (VARIES 2.5" TO 8.5") | (H) SUB-BASE GRANULAR MATERIAL (VARIES 1.25" TO 13.25") |
| (C) HMA SHOULDERS (VARIES 3" & VARIES) | (I) PAVED DITCH |
| (D) CONCRETE CURB AND GUTTER | (J) HMA SURFACE REMOVAL (4" - COLD MILL) |
| (E) CONCRETE MEDIAN SURFACE | (K) CONCRETE MEDIAN |
| (F) GUARDRAIL | (L) PORTLAND CEMENT CONCRETE SIDEWALK (VARIES X" TO X") |

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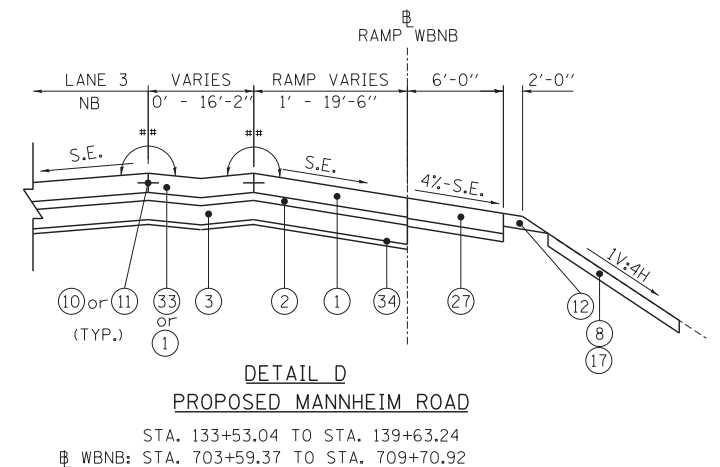
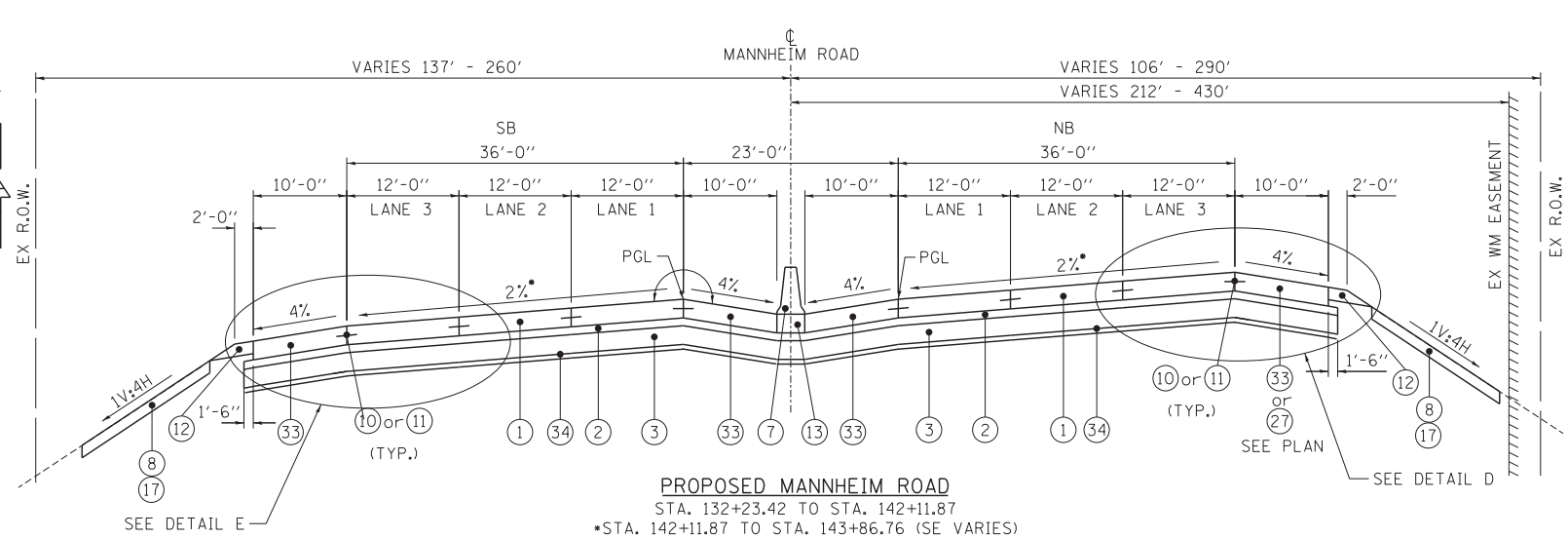
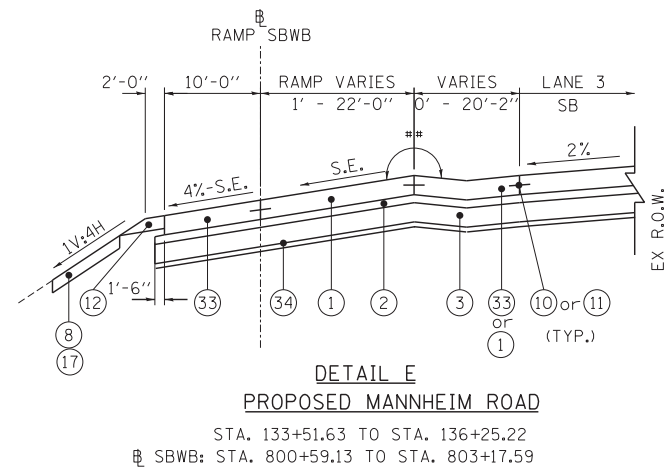
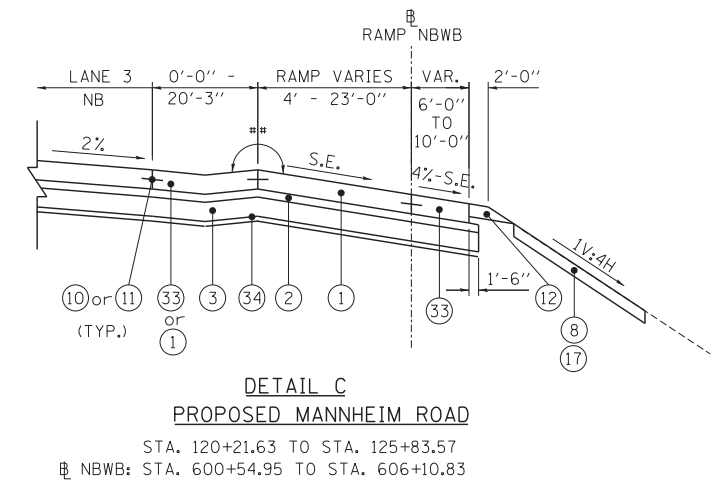
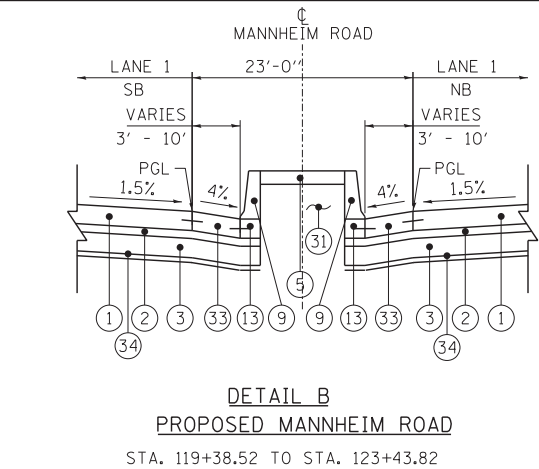
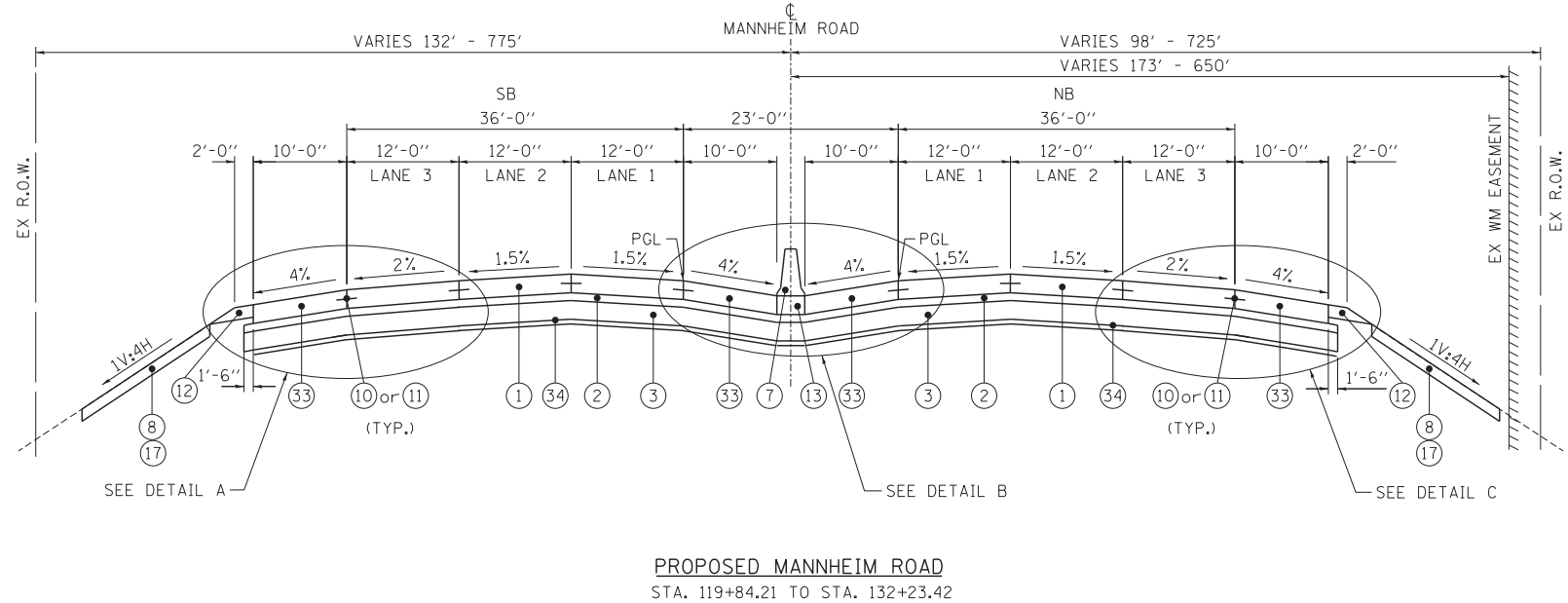
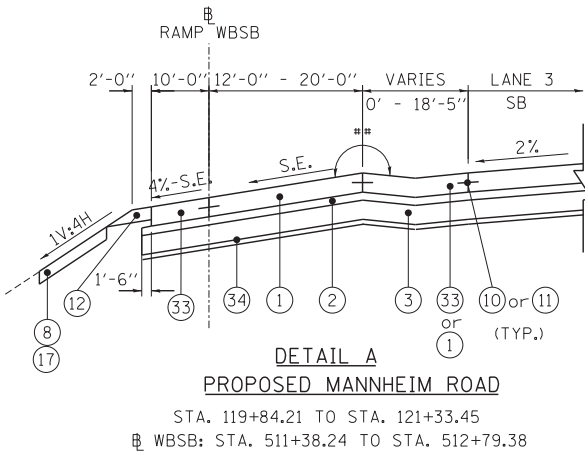
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING BESSIE COLEMAN DRIVE / ZEMKE BOULEVARD
 TYPICAL SECTIONS**

SCALE: 1"=10' SHEET NO. OF SHEETS STA. 11+37.72 TO STA. 21+37.16

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	35
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

TYP-04



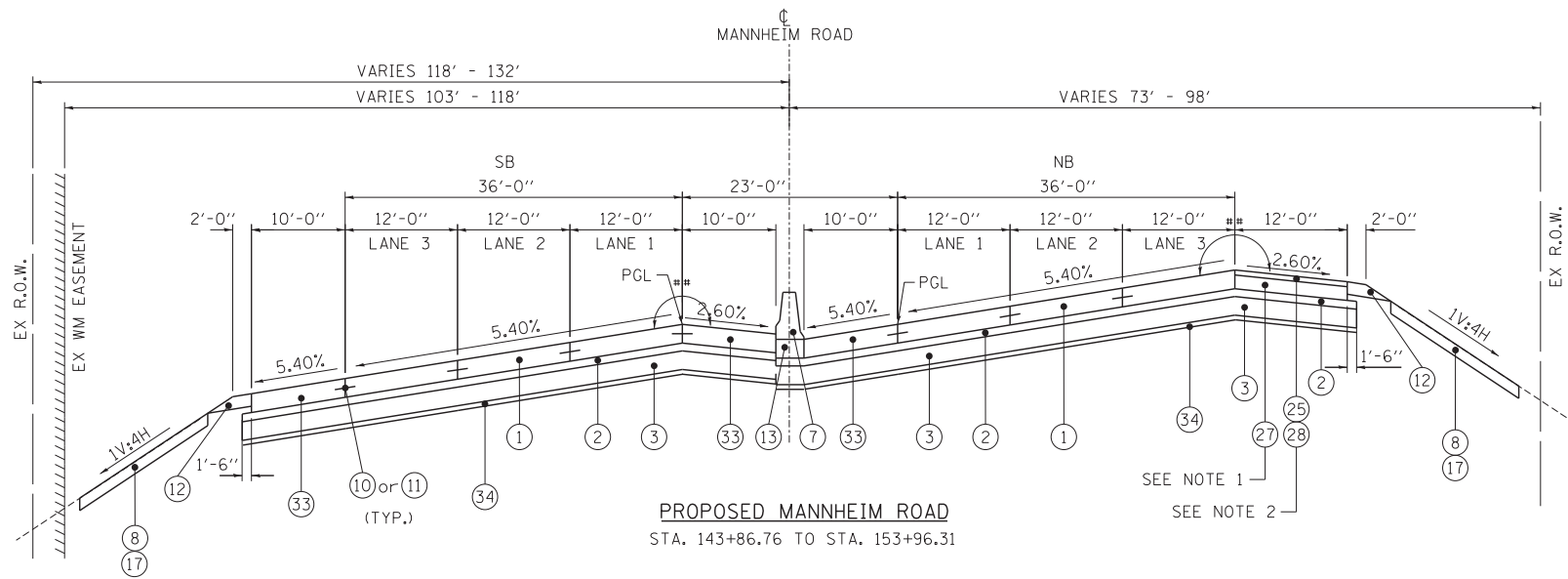
== 8% MAX. ROLLOVER BETWEEN TRAVEL LANE AND SHOULDER

PROPOSED LEGEND:

- | | |
|---|--|
| (1) PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED | (7) CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT |
| (2) STABILIZED SUBBASE (HMA), 4 1/2" | (8) TOPSOIL FURNISH AND PLACE, 6" |
| (3) AGGREGATE SUBGRADE IMPROVEMENT 12" | (9) CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT |
| (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 | (10) LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS |
| (5) CONCRETE MEDIAN SURFACE, 4 INCH | (11) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS |
| (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | (12) AGGREGATE SHOULDERS, TYPE B 6" |

- | | | |
|--|--|---|
| (13) CONCRETE BARRIER BASE | (21) POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4" | (29) 4" PVC (SURVEILLANCE) |
| (14) CONCRETE MEDIAN, TYPE SB 6.12 | (22) CONCRETE MEDIAN, TYPE SM (SPECIAL) | (30) AGGREGATE FILL |
| (15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | (23) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10" | (31) SAND FILL |
| (16) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | (24) CONCRETE MEDIAN, TYPE SB (SPECIAL) | (32) CORRUGATED MEDIAN |
| (17) SEEDING (SEE LANDSCAPE PLANS) | (25) NOT USED | (33) PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4" |
| (18) NO. 6 TIE BARS @ 24" CTS | (26) STRIP REFLECTIVE CRACK CONTROL TREATMENT | (34) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION |
| (19) POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) | (27) TEMPORARY PAVEMENT (FLEXIBLE DESIGN) | |
| (20) POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4" | (28) HMA SURFACE COURSE, MIX "D", N70 1 1/2" | |

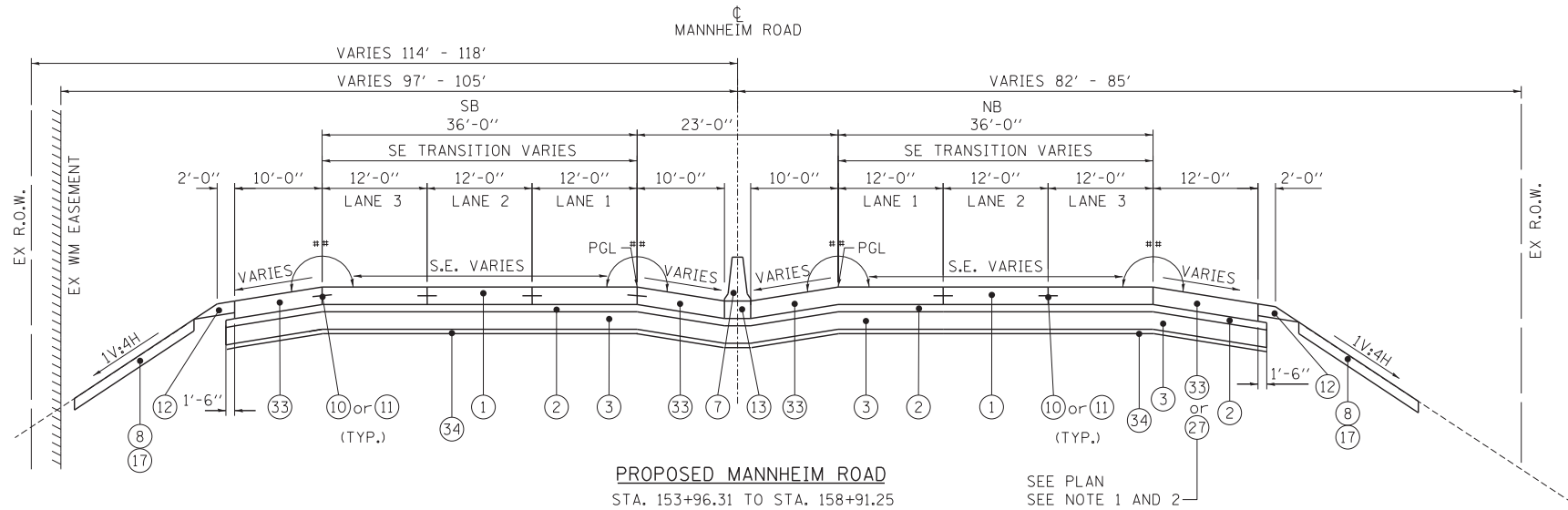
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PROPOSED MANNHEIM ROAD
STA. 143+86.76 TO STA. 153+96.31

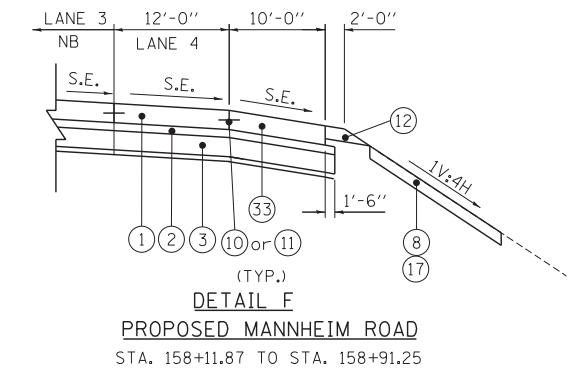
SEE NOTE 1
SEE NOTE 2

- NOTES:
- HOT-MIX ASPHALT SHOULDER WITH A VARIABLE THICKNESS OF 10-3/4" AT THE EDGE OF PAVEMENT AND 12-1/4" TO 15-3/4" AT THE EDGE OF SHOULDER SHALL BE CONSTRUCTED DURING STAGE 1. SEE DETAIL B AND C ON SHEET MOT-03. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SHOULDERS, 10-3/4".
 - THE HOT-MIX ASPHALT SHOULDER SHALL BE VARIABLE DEPTH MILLED TO THE PROPOSED SHOULDER CROSS SLOPE TO ACCOMMODATE A 1-1/2" OVERLAY DURING STAGE 3.



PROPOSED MANNHEIM ROAD
STA. 153+96.31 TO STA. 158+91.25

SEE PLAN
SEE NOTE 1 AND 2



DETAIL F
PROPOSED MANNHEIM ROAD
STA. 158+11.87 TO STA. 158+91.25

** 8% MAX. ROLLOVER
BETWEEN TRAVEL LANE AND SHOULDER

PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED
- ② STABILIZED SUBBASE (HMA), 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ⑤ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- ⑧ TOPSOIL FURNISH AND PLACE, 6"
- ⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT
- ⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- ⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- ⑫ AGGREGATE SHOULDERS, TYPE B 6"
- ⑬ CONCRETE BARRIER BASE
- ⑭ CONCRETE MEDIAN, TYPE SB 6.12
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑰ SEEDING (SEE LANDSCAPE PLANS)
- ⑱ NO. 6 TIE BARS @ 24" CTS
- ⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"

- ㉑ POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4"
- ㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
- ㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉕ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉗ HOT-MIX ASPHALT SHOULDERS, 10-3/4"
- ㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"
- ㉙ 4" PVC (SURVEILLIANCE)
- ㉚ AGGREGATE FILL
- ㉛ SAND FILL
- ㉜ CORRUGATED MEDIAN
- ㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
- ㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

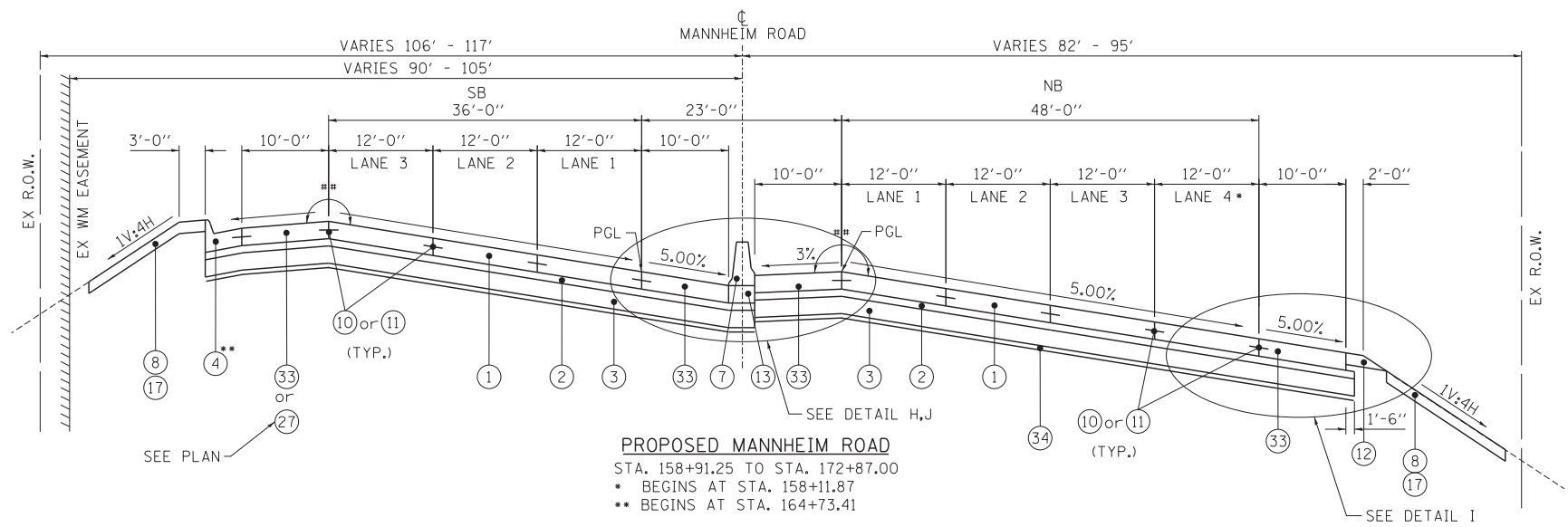
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FILEL		DRAWN - HDU	REVISED -		SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA. 139+63.24	TO STA. 158+91.25	ILLINOIS	FED. AID PROJECT	537	37
		CHECKED - MCD	REVISED -										
		DATE - 10/19/12	REVISED -										

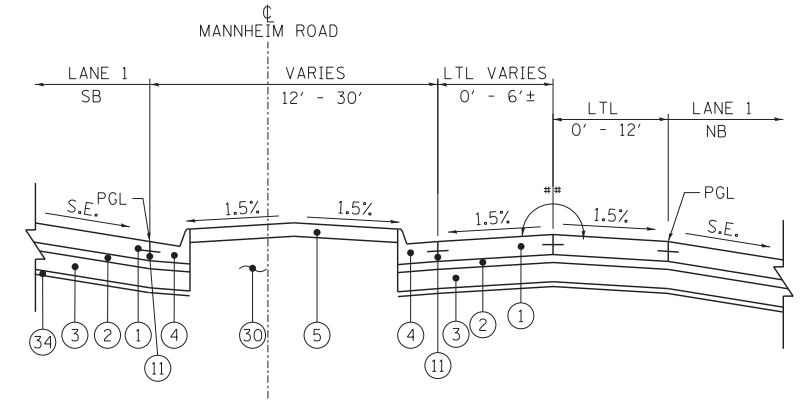
TYP-06



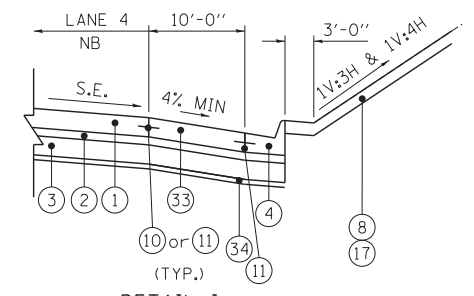
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS



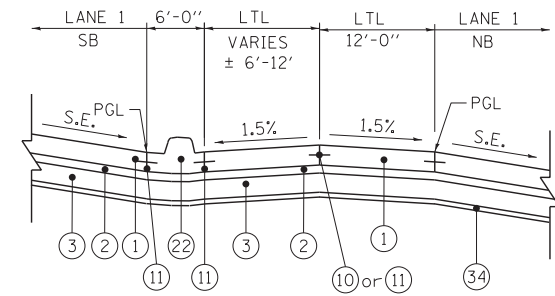
PROPOSED MANNHEIM ROAD
 STA. 158+91.25 TO STA. 172+87.00
 * BEGINS AT STA. 158+11.87
 ** BEGINS AT STA. 164+73.41



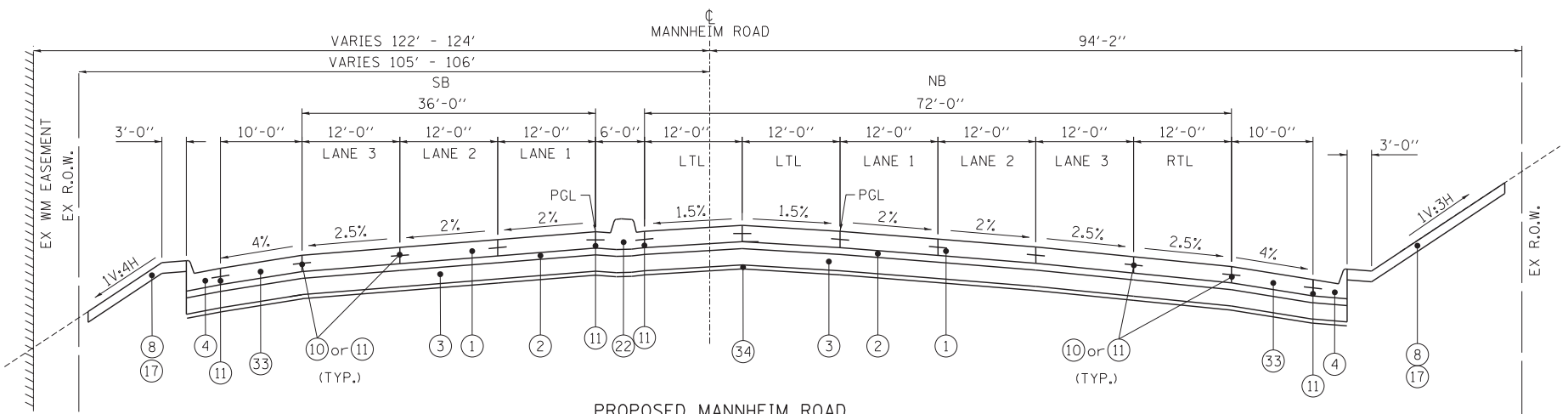
DETAIL H
PROPOSED MANNHEIM ROAD
 STA. 165+86.69 TO STA. 170+72.85



DETAIL I
PROPOSED MANNHEIM ROAD
 STA. 164+73.43 TO STA. 172+87.00



DETAIL J
PROPOSED MANNHEIM ROAD
 STA. 170+72.85 TO STA. 172+87



PROPOSED MANNHEIM ROAD
 STA. 172+87 TO STA. 174+37.80

** 8% MAX. ROLLOVER
 BETWEEN TRAVEL LANE AND SHOULDER

PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED
- ② STABILIZED SUBBASE (HMA), 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ⑤ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

- ⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- ⑧ TOPSOIL FURNISH AND PLACE, 6"
- ⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT
- ⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- ⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- ⑫ AGGREGATE SHOULDERS, TYPE B 6"

- ⑬ CONCRETE BARRIER BASE
- ⑭ CONCRETE MEDIAN, TYPE SB 6.12
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑰ SEEDING (SEE LANDSCAPE PLANS)
- ⑱ NO. 6 TIE BARS @ 24" CTS
- ⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"

- ㉑ POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4"
- ㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
- ㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉕ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉗ HOT-MIX ASPHALT SHOULDERS, 10-3/4"
- ㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"

- ㉙ 4" PVC (SURVEILLANCE)
- ㉚ AGGREGATE FILL
- ㉛ SAND FILL
- ㉜ CORRUGATED MEDIAN
- ㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
- ㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

\\D:\60P35-TYPICAL.DGN, \\D:\60P35-BORDER.DGN, \\D:\60P35-TYPICAL-LEGEND.DGN, \\D:\60P35-TYPICAL-SHT-TYPICAL_04.DGN, \\D:\60P35-TYPICAL-LEGEND.DGN, \\D:\60P35-TYPICAL-SHT-TYPICAL_04.DGN, \\D:\60P35-TYPICAL-LEGEND.DGN, \\D:\60P35-TYPICAL-SHT-TYPICAL_04.DGN



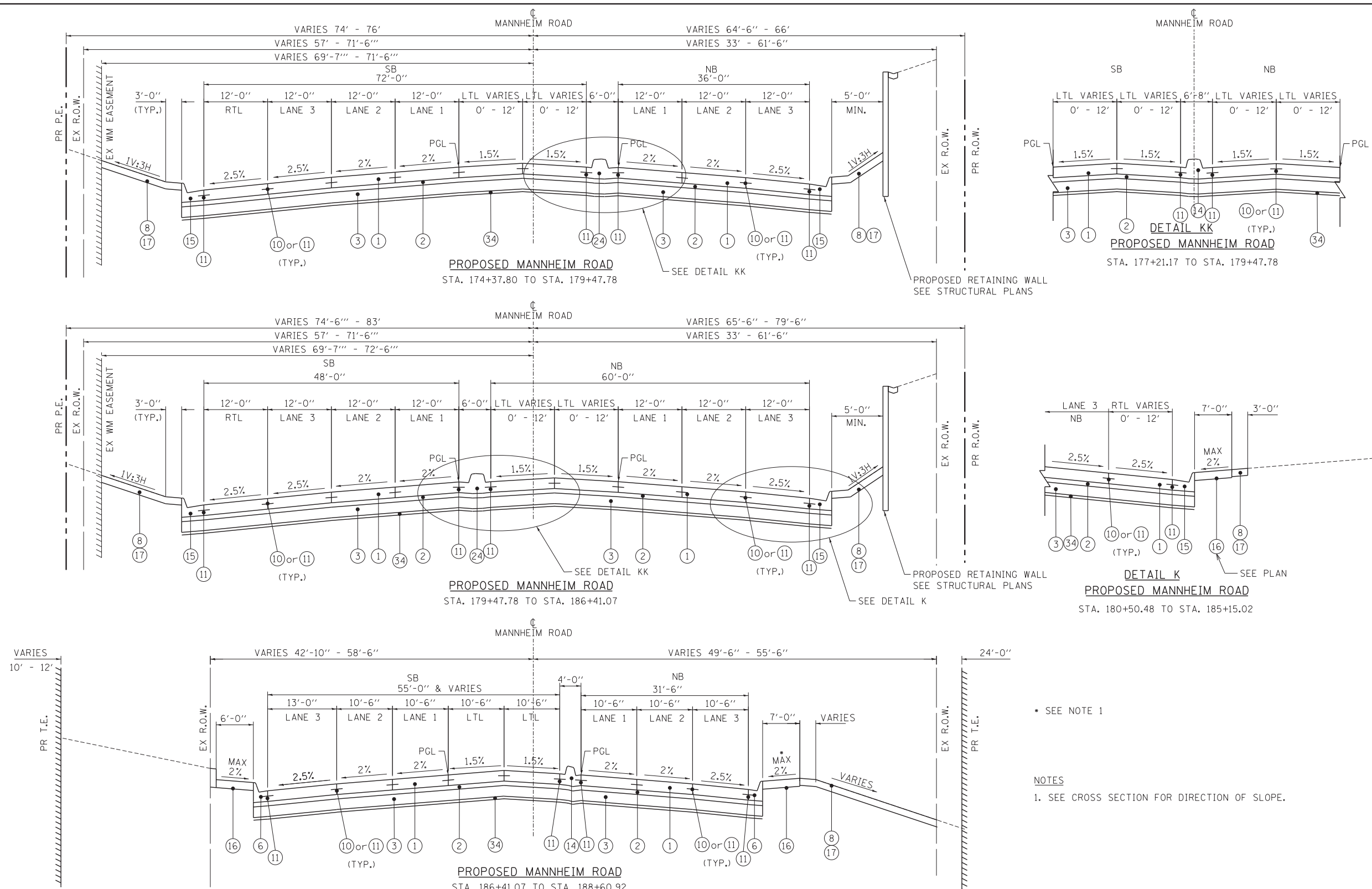
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	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MANNHEIM ROAD TYPICAL SECTIONS			
SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA. 158+64.80 TO STA. 173+51.74

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	38
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

TYP-07



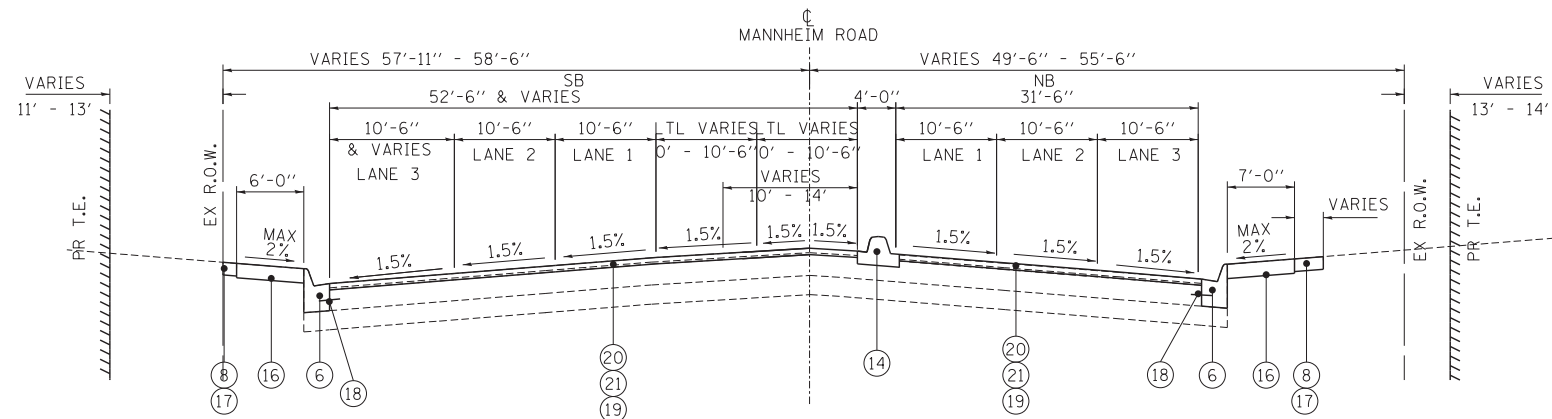
* SEE NOTE 1

NOTES
1. SEE CROSS SECTION FOR DIRECTION OF SLOPE.

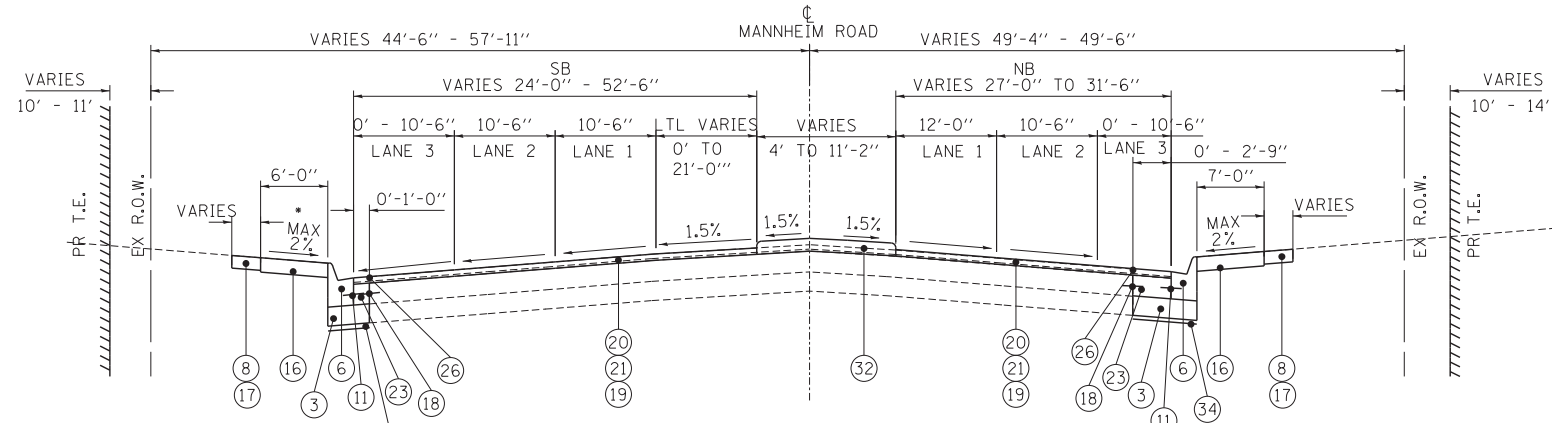
PROPOSED LEGEND:

① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED	⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT	⑬ CONCRETE BARRIER BASE	⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
② STABILIZED SUBBASE (HMA), 4 1/2"	⑧ TOPSOIL FURNISH AND PLACE, 6"	⑭ CONCRETE MEDIAN, TYPE SB 6.12	⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"
③ AGGREGATE SUBGRADE IMPROVEMENT 12"	⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT	⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	㉑ POLYMERIZED HMA BINDER, 1L-19.0, N90, 2-1/4"
④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS	⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
⑤ CONCRETE MEDIAN SURFACE, 4 INCH	⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS	⑰ SEEDING (SEE LANDSCAPE PLANS)	㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	⑫ AGGREGATE SHOULDERS, TYPE B 6"	⑱ NO. 6 TIE BARS @ 24" CTS	㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
		⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"	㉕ HMA SURFACE REMOVAL, VARIABLE DEPTH
			㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
			㉗ HOT-MIX ASPHALT SHOULDERS, 10-3/4"
			㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"
			㉙ 4" PVC (SURVEILLANCE)
			㉚ AGGREGATE FILL
			㉛ SAND FILL
			㉜ CORRUGATED MEDIAN
			㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
			㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

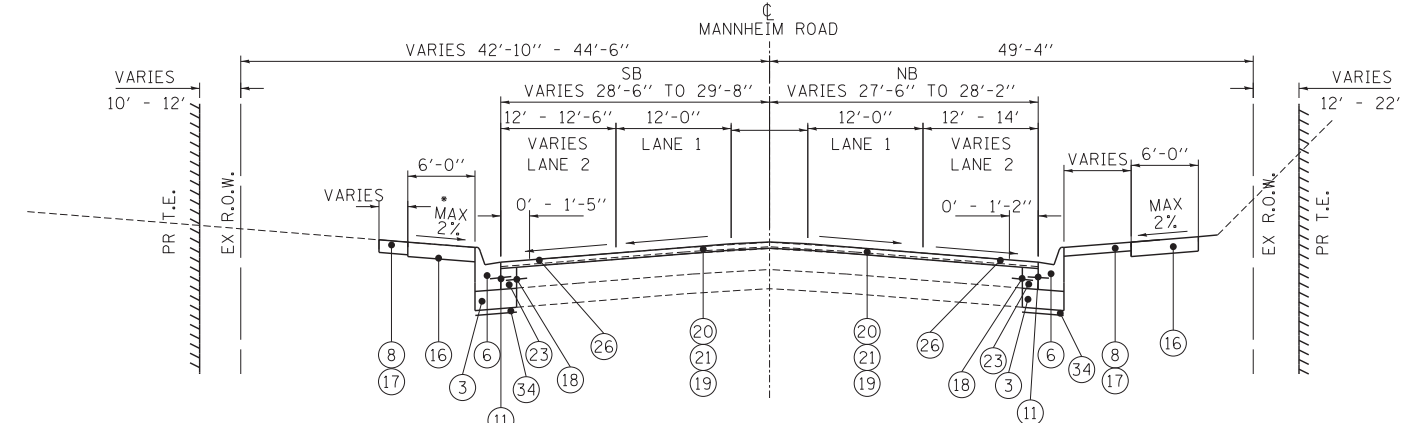
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PROPOSED MANNHEIM ROAD
STA. 189+58.77 TO STA. 190+52.81



PROPOSED MANNHEIM ROAD
STA. 190+52.81 TO STA. 195+15.83



PROPOSED MANNHEIM ROAD
STA. 195+15.83 TO STA. 196+16.59

• SEE NOTE 1

NOTES
1. SEE CROSS SECTION FOR DIRECTION OF SLOPE.

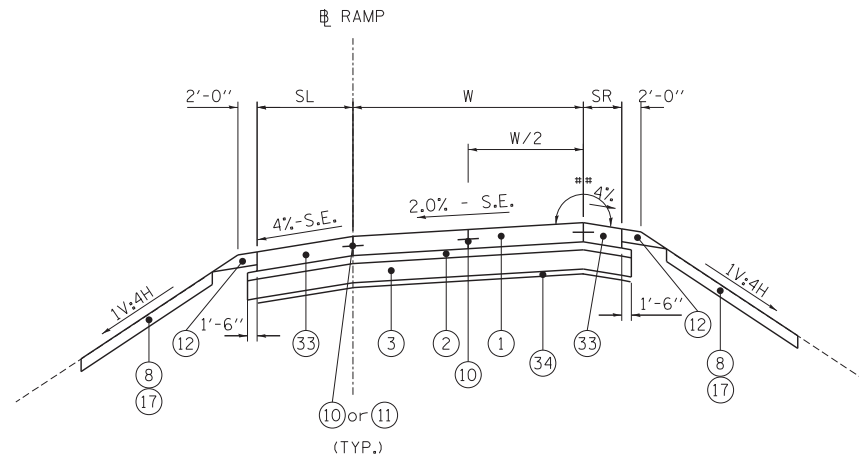
PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED
- ② STABILIZED SUBBASE (HMA), 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ⑤ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- ⑧ TOPSOIL FURNISH AND PLACE, 6"
- ⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT
- ⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- ⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- ⑫ AGGREGATE SHOULDERS, TYPE B 6"

- ⑬ CONCRETE BARRIER BASE
- ⑭ CONCRETE MEDIAN, TYPE SB 6.12
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑰ SEEDING (SEE LANDSCAPE PLANS)
- ⑱ NO. 6 TIE BARS @ 24" CTS
- ⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"
- ㉑ POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4"
- ㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
- ㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉕ NOT USED
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉗ TEMPORARY PAVEMENT (FLEXIBLE DESIGN)
- ㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"
- ㉙ 4" PVC (SURVEILLIANCE)
- ㉚ AGGREGATE FILL
- ㉛ SAND FILL
- ㉜ CORRUGATED MEDIAN
- ㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
- ㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

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TYP-09

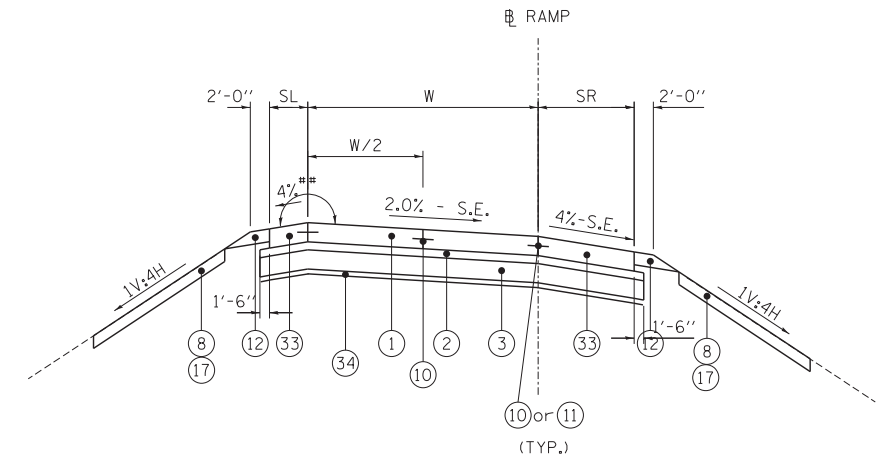


TYPICAL SECTION RAMP WBSB

STA. 509+50 TO STA. 511+77.07
 SR = 4'-0"
 W = 21'-0"
 SL = VARIES 10.0' TO 11.63'

TYPICAL SECTION RAMP SBWB

STA. 800+49.23 TO STA. 805+64.22
 SR = 4'-0"
 W = 22'-0"
 SL = VARIES 10'-0" TO 11'-0"



TYPICAL SECTION RAMP NBWB

STA. 605+03.87 TO STA. 608+00.00
 SR = 6'-0" TO 10'-0"
 W = 23'-0"
 SL = 4'-0"

TYPICAL SECTION RAMP WBNB

STA. 702+65.92 TO STA. 704+04.78
 SR = 6'-0"
 W = 19'-6"
 SL = 4'-0"

** 8% MAX. ROLLOVER
 BETWEEN TRAVEL LANE AND SHOULDER

PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED
- ② STABILIZED SUBBASE (HMA), 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ⑤ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- ⑧ TOPSOIL FURNISH AND PLACE, 6"
- ⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT
- ⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- ⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- ⑫ AGGREGATE SHOULDERS, TYPE B 6"
- ⑬ INCLUDED IN THE COST OF PAVEMENT, BASE COURSE, CURB AND GUTTER, MEDIAN, CONCRETE BARRIER, OR CONCRETE BARRIER BASE

- ⑬ CONCRETE BARRIER BASE
- ⑭ CONCRETE MEDIAN, TYPE SB 6.12
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑰ SEEDING (SEE LANDSCAPE PLANS)
- ⑱ NO. 6 TIE BARS @ 24" CTS
- ⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"
- ㉑ POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4"
- ㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
- ㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉕ NOT USED
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉗ TEMPORARY PAVEMENT (FLEXIBLE DESIGN)
- ㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"
- ㉙ 4" PVC (SURVEILLANCE)
- ㉚ AGGREGATE FILL
- ㉛ SAND FILL
- ㉜ CORRUGATED MEDIAN
- ㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
- ㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

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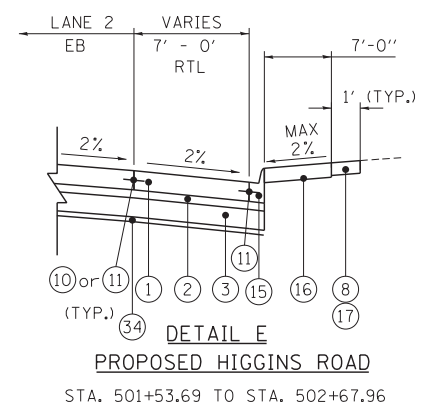
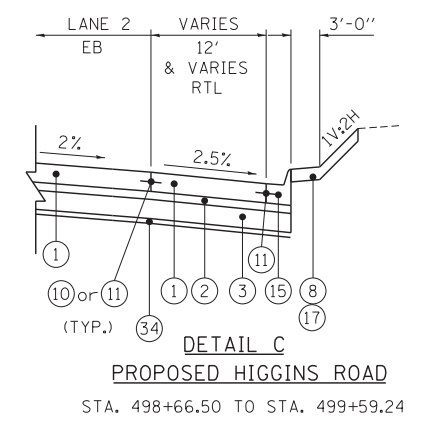
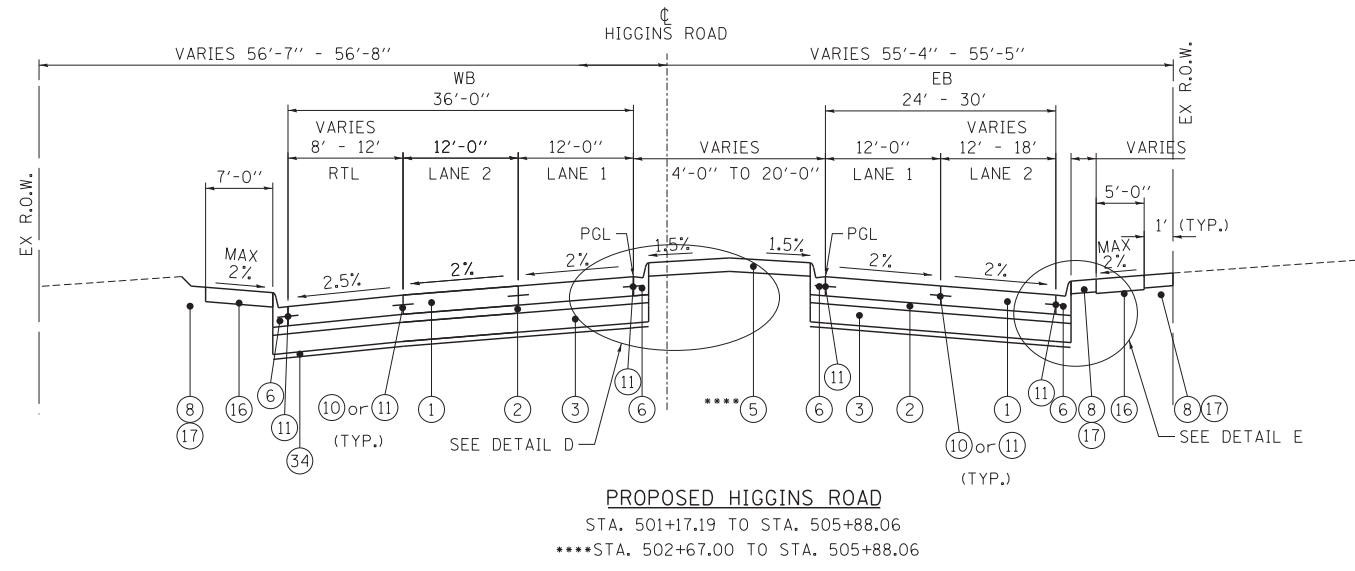
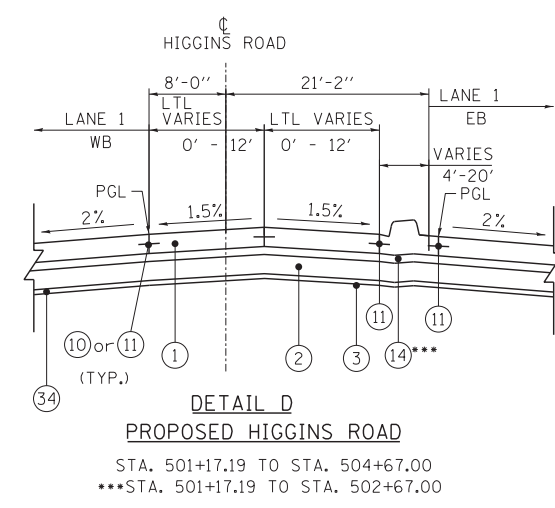
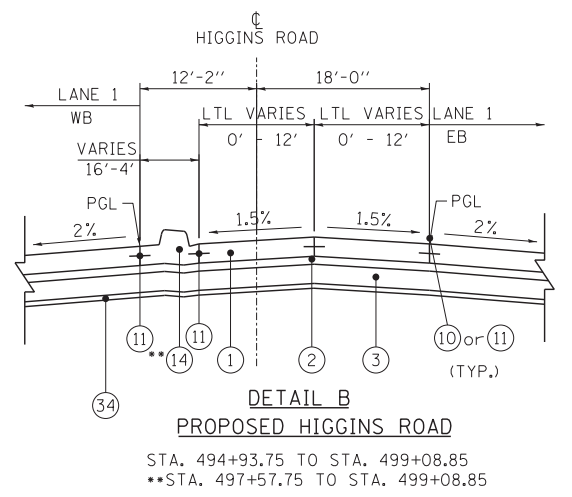
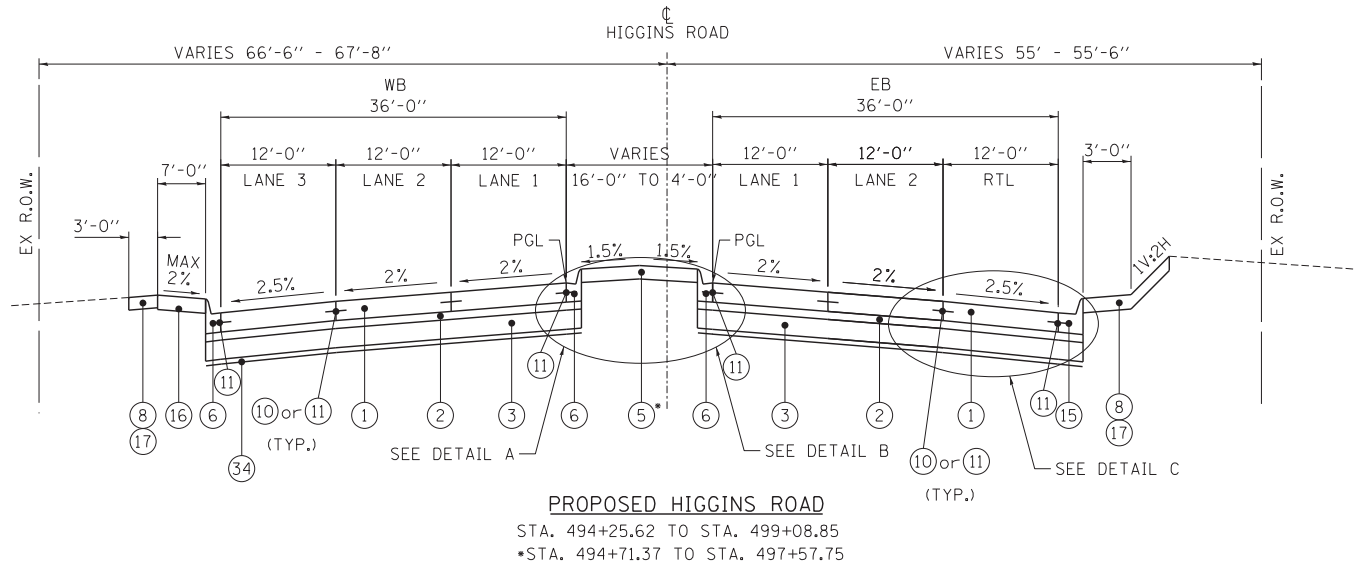
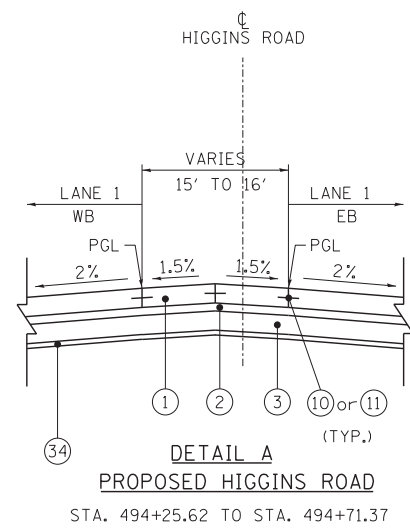
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED MANNHEIM ROAD RAMPS
 TYPICAL SECTIONS**

SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	41
			CONTRACT NO. 60P35	
ILLINOIS FED. AID PROJECT				

TYP-10



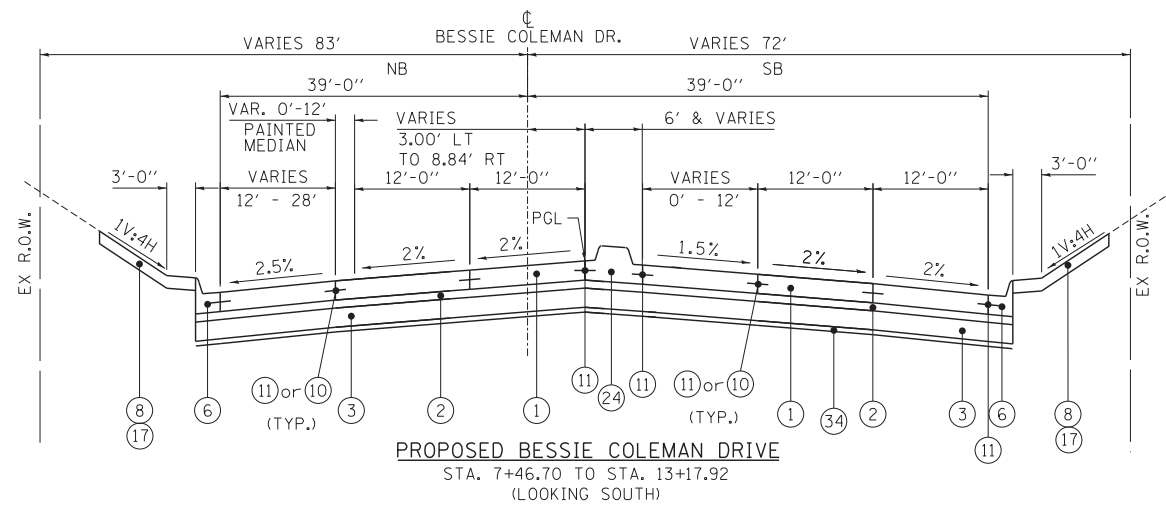
PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED
- ② STABILIZED SUBBASE (HMA), 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ⑤ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- ⑧ TOPSOIL FURNISH AND PLACE, 6"
- ⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT
- ⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- ⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- ⑫ AGGREGATE SHOULDERS, TYPE B 6"

- ⑬ CONCRETE BARRIER BASE
- ⑭ CONCRETE MEDIAN, TYPE SB 6.12
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑰ SEEDING (SEE LANDSCAPE PLANS)
- ⑱ NO. 6 TIE BARS @ 24" CTS
- ⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"
- ㉑ POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4"
- ㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
- ㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉕ NOT USED
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉗ TEMPORARY PAVEMENT (FLEXIBLE DESIGN)
- ㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"
- ㉙ 4" PVC (SURVEILLIANCE)
- ㉚ AGGREGATE FILL
- ㉛ SAND FILL
- ㉜ CORRUGATED MEDIAN
- ㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
- ㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

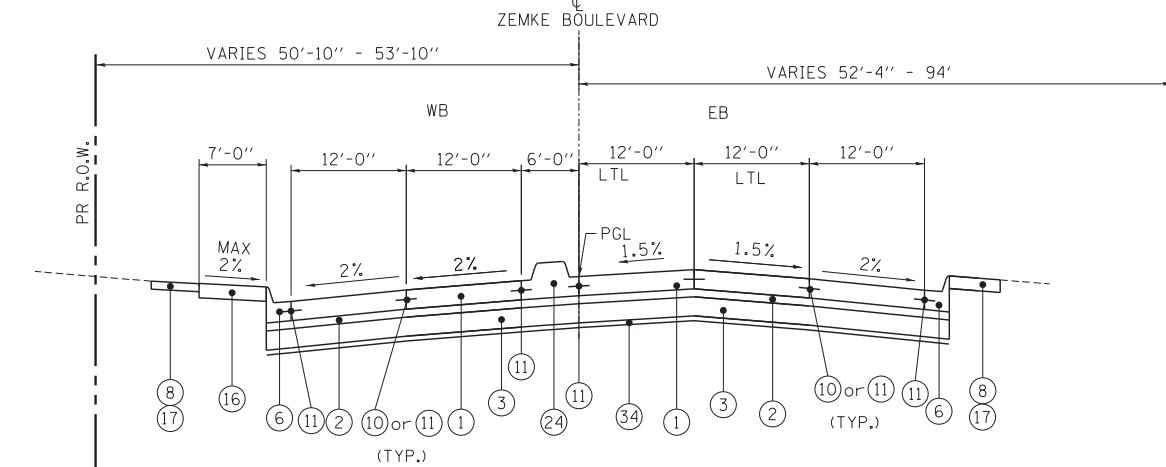
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	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -										
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS												TYP-11	

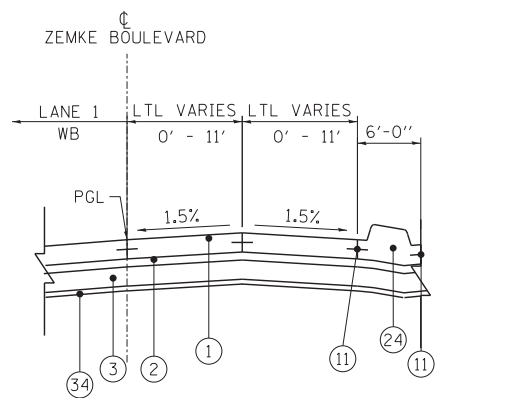


PROPOSED BESSIE COLEMAN DRIVE
STA. 7+46.70 TO STA. 13+17.92
(LOOKING SOUTH)

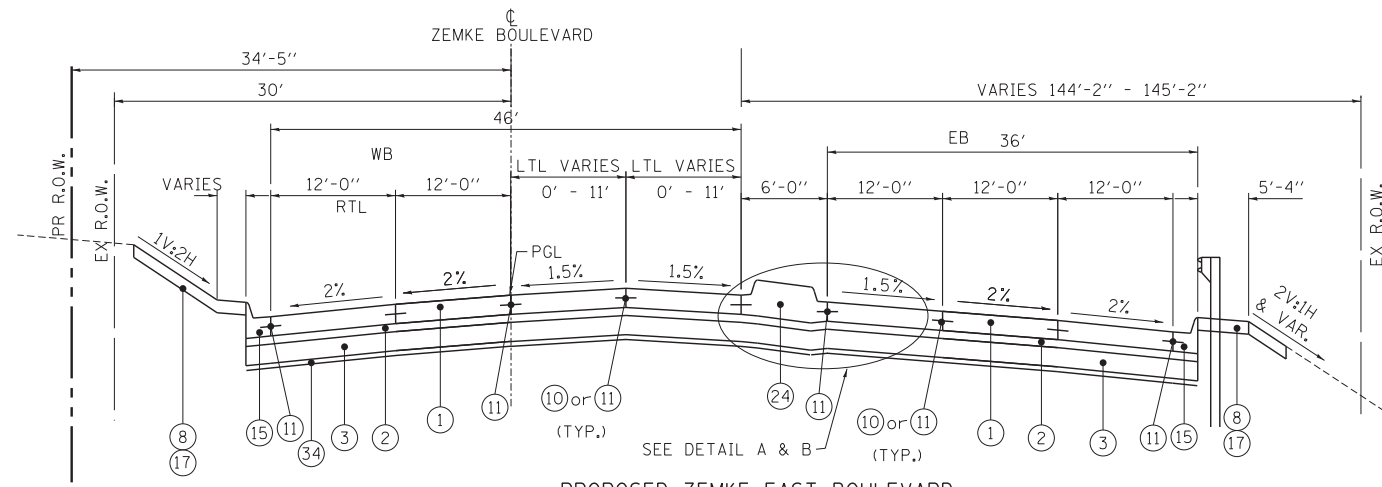
NOTE:
JOINT LOCATION DOES NOT FOLLOW LANE LINE FOR PORTIONS
OF BESSIE COLEMAN DR AND WEST ZEMKE RD. SEE ZEMKE
RD PAVEMENT JOINTING PLANS.



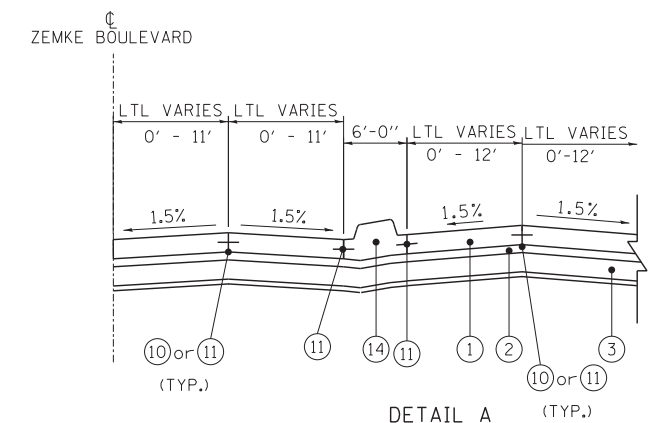
PROPOSED ZEMKE WEST BOULEVARD
STA. 50+00.00 TO STA. 53+17.83



DETAIL B
PROPOSED ZEMKE BLVD.
STA. 60+81.98 TO STA. 64+14.91



PROPOSED ZEMKE EAST BOULEVARD
STA. 60+00.00 TO STA. 64+15.27



DETAIL A
PROPOSED ZEMKE BLVD.
STA. 62+32.34 TO STA. 64+15.27

PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" JOINTED
- ② STABILIZED SUBBASE (HMA), 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ⑤ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

[] = INCLUDED IN THE COST OF PAVEMENT, BASE COURSE AND GUTTER, MEDIAN, CONCRETE BARRIER, OR CONCRETE BARRIER BASE

- ⑦ CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- ⑧ TOPSOIL FURNISH AND PLACE, 6"
- ⑨ CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT
- ⑩ LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- ⑪ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- ⑫ AGGREGATE SHOULDERS, TYPE B 6"

- ⑬ CONCRETE BARRIER BASE
- ⑭ CONCRETE MEDIAN, TYPE SB 6.12
- ⑮ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑰ SEEDING (SEE LANDSCAPE PLANS)
- ⑱ NO. 6 TIE BARS @ 24" CTS
- ⑲ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑳ POLYMERIZED HMA SURFACE, MIX "F", N90, 1-3/4"

- ㉑ POLYMERIZED HMA BINDER, IL-19.0, N90, 2-1/4"
- ㉒ CONCRETE MEDIAN, TYPE SM (SPECIAL)
- ㉓ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- ㉔ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉕ NOT USED
- ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉗ TEMPORARY PAVEMENT (FLEXIBLE DESIGN)
- ㉘ HMA SURFACE COURSE, MIX "D", N70 1 1/2"

- ㉙ 4" PVC (SURVEILLANCE)
- ㉚ AGGREGATE FILL
- ㉛ SAND FILL
- ㉜ CORRUGATED MEDIAN
- ㉝ PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"
- ㉞ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

TYP-12

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	PLOT SCALE = *SCALE*	DATE - 10/19/12	REVISED -													

LOCATION					CC&G	GUARDRAIL REMOVAL	PAVED DITCH REMOVAL
ALIGNMENT	DIRECTION	DRAWING	STATION	STATION	(FOOT)	(FOOT)	(FOOT)
MANNHEIM		REM-01, BOTTOM	119+38.52	124+00.00		923	
MANNHEIM		REM-01, BOTTOM	119+38.52	124+00.00			461
MANNHEIM	NB	REM-01, BOTTOM	119+72.70	120+72.08		100	
MANNHEIM		REM-02, TOP	124+00.00	138+00.00		1564	
MANNHEIM	NB	REM-02, TOP	125+77.85	126+21.91	86		
RAMP NBWB		REM-02, TOP	702+00.00	704+14.30	248		
MANNHEIM		REM-02, TOP	134+45.82	135+60.59		115	
MANNHEIM	SB	REM-02, TOP	133+78.67	138+00.00		420	
RAMP NBWB		REM-02, TOP	606+52.50	608+00.00		181	
RAMP NBWB		REM-02, TOP	606+52.50	608+00.00	191		
MANNHEIM		REM-02, BOTTOM	138+00.00	152+00.00		1394	
MANNHEIM	NB	REM-02, BOTTOM	139+01.92	141+52.72		253	
MANNHEIM	SB	REM-02, BOTTOM	138+00.00	141+98.30		396	
MANNHEIM		REM-03, TOP	152+00.00	166+00.00		1400	
MANNHEIM		REM-03, BOTTOM	166+00.00	171+06.79		507	
MANNHEIM	NB	REM-03, BOTTOM	172+26.71	173+66.15		140	
MANNHEIM	SB	REM-03, BOTTOM	173+83.14	174+08.77	66		
MANNHEIM	NB	REM-03, BOTTOM	174+99.10	179+81.63	555		
MANNHEIM	SB	REM-03, BOTTOM	174+50.30	180+00.00	590		
MANNHEIM	SB	REM-04, TOP	180+00.00	186+70.04	991		
MANNHEIM	NB	REM-04, TOP	180+19.49	185+17.54	565		
MANNHEIM	NB	REM-04, TOP	186+84.15	187+58.00	102		
MANNHEIM	NB	REM-04, TOP	187+89.05	188+60.36	94		
MANNHEIM	NB	REM-04, TOP	192+25.32	193+42.41	146		
MANNHEIM	NB	REM-04, TOP	193+66.94	194+00.00	51		
MANNHEIM	NB	REM-04, TOP	189+80.56	192+00.83	266		
MANNHEIM	SB	REM-04, TOP	191+80.16	192+88.98	122		
MANNHEIM	SB	REM-04, TOP	193+15.50	194+00.00	92		
MANNHEIM	SB	REM-04, TOP	189+78.71	190+02.42	32		
MANNHEIM	SB	REM-04, TOP	190+26.16	191+65.33	132		
MANNHEIM	SB	REM-04, TOP	187+36.09	188+56.29	143		
MANNHEIM	SB	REM-04, TOP	185+99.51	186+40.12		91	
MANNHEIM	SB	REM-04, TOP	185+06.84	185+92.02		90	
MANNHEIM	SB	REM-04, BOTTOM	194+00.00	196+16.59	217		
MANNHEIM	NB	REM-04, BOTTOM	194+00.00	196+16.59	217		
HIGGINS	EB	REM-05, TOP	492+67.29	499+49.67	490		
HIGGINS	WB	REM-05, TOP	494+25.62	498+98.83	478		
HIGGINS	WB	REM-05, TOP	500+53.39	505+88.06	538		
HIGGINS	EB	REM-05, TOP	500+94.43	504+98.66	434		
HIGGINS	EB	REM-05, TOP	505+34.24	505+93.14	58		
BESSIE COLEMAN	NB	REM-05, BOTTOM	08+88.04	13+17.91	437		
BESSIE COLEMAN	SB	REM-05, BOTTOM	08+48.10	13+17.91	470		
ZEMKE	EB	REM-05, BOTTOM	50+36.48	52+02.94	170		
ZEMKE	WB	REM-05, BOTTOM	50+71.39	51+65.17	87		
ZEMKE	WB	REM-05, BOTTOM	60+45.49	64+15.27	379		
ZEMKE	EB	REM-05, BOTTOM	60+75.21	64+15.27	351		
ZEMKE		REM-05, BOTTOM	61+12.45	64+15.27	615		
ZEMKE	EB	REM-05, BOTTOM	61+09.58	64+18.43		310	
ZEMKE		REM-05, BOTTOM	64+47.08	66+42.54	397		
TOTAL					9810	7884	461

LOCATION				PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 4"	PAVED SHOULDER REMOVAL	DRIVEWAY PAVEMENT REMOVAL	CONCRETE MEDIAN REMOVAL	SIDEWALK REMOVAL
ALIGNMENT	DRAWING	STATION	STATION	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ FT)	(SQ FT)
MANNHEIM	REM-01, BOTTOM	BOP	124+00.00	3,516		2,385			
MANNHEIM	REM-02, TOP	124+00.00	138+00.00	10,647		6,056			
MANNHEIM	REM-02, BOTTOM	138+00.00	152+00.00	7,619		4,712			
MANNHEIM	REM-03, TOP	152+00.00	166+00.00	7,414		4,981			
MANNHEIM	REM-03, BOTTOM	166+00.00	180+00.00	13,106		2,260	42	3,568	1,199
MANNHEIM	REM-04, TOP	180+00.00	194+00.00	13,813	3,940		544	4,583	10,708
MANNHEIM	REM-04, BOTTOM	194+00.00	196+15.00	9	1,420				2,141
HIGGINS	REM-05, TOP	BOP	EOP	6,637				649	153
ZEMKE	REM-05, BOTTOM	BOP	EOP	6,357			204	4,212	3,032
TOTAL				69,118	5,360	20,394	790	13,012	17,233

LOCATION				PCC BASE COURSE 10"	POLYMERIZED HMA BINDER COURSE, IL-19.0, N50	POLYMERIZED HMA SURFACE COURSE, MIX "F", N90	BITUMINOUS MATERIALS (PRIME COAT)	STABILIZED SUBBASE - HMA, 4 1/2"	AGGREGATE SUBGRADE IMPROVEMENT 12"	PCC PAVEMENT 10 3/4" (JOINTED)	PCC SHOULDER 10 3/4"	PCC SIDEWALK 5 INCH	PCC DRIVEWAY PAVEMENT 8 INCH	CONCRETE MEDIAN, TYPE SB-6.12	CONCRETE CURB TYPE B	CORRUGATED MEDIAN (MODIFIED)	CONCRETE MEDIAN, TYPE SB (SPECIAL)	CONCRETE MEDIAN, TYPE SM (SPECIAL)	CC&G, TYPE B-6.12	CC&G, TYPE B-6.24	CC&G, TYPE M-4.24	CONCRETE BARRIER, SINGLE FACE, 32 IN HEIGHT	CONCRETE BARRIER, DOUBLE FACE, 32 IN HEIGHT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS	
ALIGNMENT	DRAWING	STATION	STATION	(SQ YD)	(TON)	(TON)	(GAL)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)
MANNHEIM	PP-01	BOP	124+00.00					6,695	6,816	4,627	1,707											730	98	99	
MANNHEIM	PP-02	124+00.00	138+00.00					22,486	22,706	14,275	7,075												1,400	128	
MANNHEIM	PP-03	138+00.00	152+00.00					18,688	18,844	11,291	4,667												1,331		
MANNHEIM	PP-04	152+00.00	166+00.00					19,512	19,656	12,212	4,850										294		1,321		
MANNHEIM	PP-05	166+00.00	180+00.00					22,456	22,456	19,061	1,697		1,502	38	1,315	48		3,610	1,846	472	1,356	2,493			
MANNHEIM	PP-06	180+00.00	194+00.00	22	461	360	732	16,086	16,087	14,946			11,155	526	2,496	340	2,327	3,301		2,506	1,100				
MANNHEIM	PP-07	194+00.00	196+15.00	41	175	136	278	41	41											433					
ZEMKE	PP-08	BOP	EOP					6,997	7,017	6,361										1,129	335				
HIGGINS	PP-09	BOP	EOP					6,545	6,613	5,975										1,719					
TOTAL				63	636	495	1,010	119,506	120,235	88,748	19,996	19,189	762	5,552	604	3,000	12,004	1,846	6,259	2,791	2,787	730	4,150	227	

SC-01



USER NAME = mkosir	DESIGNED	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 1:1	CHECKED LLS	REVISED -
PLOT DATE = 24-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	44
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - MANNHEIM ROAD RECONSTRUCTION									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
120+37.00	120+50.00	68	0	51	31	20	0	4	2
120+50.00	121+00.00	229	0	172	117	55	0	23	16
121+00.00	121+50.00	160	0	120	109	11	0	27	29
121+50.00	122+00.00	87	0	65	114	-49	0	35	43
122+00.00	123+00.00	54	0	41	146	-106	0	49	58
123+00.00	123+50.00	55	0	41	184	-143	0	59	53
123+50.00	124+00.00	64	0	48	217	-169	0	69	46
124+00.00	124+50.00	59	0	44	275	-231	0	72	46
124+50.00	125+00.00	110	0	83	322	-240	0	86	58
125+00.00	125+50.00	148	0	111	297	-186	0	95	89
125+50.00	126+00.00	97	0	73	298	-225	0	82	94
126+00.00	126+50.00	51	0	38	279	-241	0	57	62
126+50.00	127+00.00	30	0	23	246	-224	0	44	45
127+00.00	127+50.00	38	0	29	245	-217	0	48	50
127+50.00	128+00.00	45	0	34	211	-177	0	47	51
128+00.00	128+50.00	41	0	31	177	-146	0	43	49
128+50.00	129+00.00	45	0	34	147	-113	0	44	50
129+00.00	129+50.00	53	0	40	128	-88	0	46	52
129+50.00	130+00.00	59	0	44	121	-77	0	45	52
130+00.00	130+50.00	56	0	42	110	-68	0	42	49
130+50.00	131+00.00	54	0	41	95	-55	0	40	49
131+00.00	131+50.00	47	56	35	83	-48	54	38	47
131+50.00	132+00.00	57	132	43	64	-21	109	35	45
132+00.00	132+50.00	71	162	53	50	3	109	33	42
132+50.00	133+00.00	89	188	67	44	23	109	28	37
133+00.00	133+50.00	134	210	101	38	63	109	27	37
133+50.00	134+00.00	144	108	108	24	84	54	16	20
134+00.00	134+50.00	140	0	105	18	87	0	16	13
134+50.00	135+00.00	448	0	336	22	314	0	74	84
135+00.00	135+50.00	931	0	698	13	685	0	124	149
135+50.00	136+00.00	1,362	0	1,022	7	1,015	0	129	157
136+00.00	136+50.00	1,721	0	1,291	4	1,287	0	128	158
136+50.00	137+00.00	1,920	0	1,440	3	1,437	0	128	153
137+00.00	137+50.00	2,071	0	1,553	1	1,552	0	128	154
137+50.00	138+00.00	2,192	0	1,644	2	1,642	0	127	160
138+00.00	138+50.00	2,184	0	1,638	2	1,636	0	128	160
138+50.00	139+00.00	2,032	0	1,524	1	1,523	0	130	160
139+00.00	139+50.00	1,520	0	1,140	2	1,138	0	124	149
139+50.00	140+00.00	872	0	654	3	651	0	101	116
140+00.00	140+50.00	554	0	416	30	386	0	83	95
140+50.00	141+00.00	1,059	0	794	677	117	0	280	317
141+00.00	141+50.00	627	0	470	461	9	0	186	208
141+50.00	142+00.00	655	0	491	290	201	0	164	182
142+00.00	142+50.00	460	0	345	269	76	0	123	140
142+50.00	143+00.00	247	0	185	263	-78	0	89	104
143+00.00	143+50.00	196	0	147	277	-130	0	83	98
143+50.00	144+00.00	142	0	107	295	-189	0	78	93
144+00.00	144+50.00	100	0	75	315	-240	0	72	85
144+50.00	145+00.00	63	0	47	333	-286	0	58	70
145+00.00	145+33.28	23	0	17	242	-225	0	32	39
145+33.28	145+50.00	12	0	9	127	-118	0	17	20
145+50.00	146+00.00	55	0	41	391	-350	0	53	63
146+00.00	146+50.00	57	0	43	427	-384	0	52	62
146+50.00	147+00.00	54	0	41	447	-407	0	49	59
147+00.00	147+50.00	67	0	50	434	-384	0	48	58
147+50.00	148+00.00	84	0	63	392	-329	0	47	57
148+00.00	148+50.00	108	0	81	346	-265	0	46	56
148+50.00	149+00.00	158	0	119	277	-159	0	47	57
149+00.00	149+50.00	195	0	146	228	-82	0	48	59
149+50.00	150+00.00	188	0	141	225	-84	0	48	59
150+00.00	150+50.00	168	0	126	247	-121	0	46	51
150+50.00	151+00.00	143	0	107	269	-162	0	44	49
151+00.00	151+50.00	126	0	95	286	-192	0	44	55
151+50.00	152+00.00	117	0	88	310	-222	0	46	56
152+00.00	152+50.00	108	0	81	298	-217	0	46	57
152+50.00	153+00.00	105	0	79	263	-184	0	47	58
153+00.00	153+50.00	110	0	83	280	-198	0	52	65
153+50.00	154+00.00	114	0	86	301	-216	0	59	74
154+00.00	154+50.00	95	0	71	282	-211	0	62	78
154+50.00	155+00.00	72	0	54	270	-216	0	63	78

* SHRINKAGE FACTOR 25%

SC-02



USER NAME = mikosir	DESIGNED	REVISED -
PLOT SCALE = 1:1	DRAWN MMK	REVISED -
PLOT DATE = 24-OCT-2012	CHECKED LLS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	45
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - MANNHEIM ROAD RECONSTRUCTION

BEGIN STATION	END STATION	EARTH EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE* (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	TOPSOIL (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)
155+00.00	155+50.00	65	0	49	260	-211	0	65	84
155+50.00	156+00.00	67	0	50	259	-209	0	67	85
156+00.00	156+50.00	79	0	59	260	-201	0	67	63
156+50.00	157+00.00	74	0	56	273	-218	0	66	62
157+00.00	157+50.00	62	0	47	290	-244	0	65	78
157+50.00	158+00.00	66	0	50	293	-244	0	67	80
158+00.00	158+50.00	85	0	64	312	-248	0	65	82
158+50.00	159+00.00	100	0	75	334	-259	0	60	81
159+00.00	159+50.00	97	0	73	326	-253	0	59	80
159+50.00	160+00.00	116	0	87	279	-192	0	57	40
160+00.00	160+50.00	128	0	96	233	-137	0	54	36
160+50.00	161+00.00	162	0	122	193	-72	0	50	36
161+00.00	161+50.00	200	0	150	158	-8	0	48	35
161+50.00	162+00.00	227	0	170	143	27	0	49	71
162+00.00	162+50.00	288	0	216	126	90	0	52	74
162+50.00	163+00.00	356	0	267	107	160	0	52	76
163+00.00	163+50.00	422	0	317	80	237	0	53	78
163+50.00	164+00.00	480	0	360	60	300	0	49	74
164+00.00	164+50.00	515	0	386	53	333	0	40	66
164+50.00	165+00.00	547	0	410	55	355	0	35	64
165+00.00	165+50.00	584	0	438	56	382	0	31	63
165+50.00	166+00.00	560	0	420	54	366	0	45	66
166+00.00	166+50.00	527	0	395	57	338	0	61	71
166+50.00	167+00.00	532	0	399	64	335	0	67	76
167+00.00	167+50.00	530	0	398	73	325	0	72	82
167+50.00	168+00.00	528	0	396	78	318	0	72	85
168+00.00	168+50.00	522	0	392	76	316	0	68	86
168+50.00	169+00.00	516	0	387	72	315	0	63	87
169+00.00	169+50.00	517	0	388	72	316	0	61	89
169+50.00	170+00.00	514	0	386	73	313	0	60	92
170+00.00	170+50.00	514	0	386	76	310	0	51	96
170+50.00	171+00.00	529	0	397	82	315	0	45	101
171+00.00	171+50.00	533	0	400	76	324	0	47	103
171+50.00	172+00.00	505	0	379	73	306	0	46	101
172+00.00	172+50.00	458	0	344	74	270	0	42	95
172+50.00	173+00.00	423	0	317	46	271	0	35	80
173+00.00	173+50.00	389	0	292	13	279	0	18	44
173+50.00	175+50.00	730	1479	548	23	525	449	12	156
175+50.00	176+00.00	0	787	0	7	-7	225	0	61
176+00.00	176+50.00	0	850	0	6	-6	225	0	62
176+50.00	177+00.00	0	865	0	7	-7	225	0	61
177+00.00	177+50.00	0	859	0	8	-8	224	0	59
177+50.00	178+00.00	0	850	0	9	-9	224	0	56
178+00.00	178+50.00	262	423	197	11	186	112	0	54
178+50.00	179+00.00	504	0	378	11	367	0	0	53
179+00.00	179+50.00	465	0	349	10	339	0	0	51
179+50.00	180+00.00	423	0	317	6	311	0	0	25
180+00.00	180+50.00	371	0	278	5	273	0	0	21
180+50.00	181+00.00	357	0	268	6	262	0	0	45
181+00.00	181+50.00	186	423	140	7	133	120	0	47
181+50.00	182+00.00	0	772	0	8	-8	243	0	48
182+00.00	182+50.00	0	662	0	8	-8	247	0	48
182+50.00	183+00.00	0	595	0	10	-10	247	0	46
183+00.00	183+50.00	0	587	0	11	-11	247	0	44
183+50.00	184+00.00	0	567	0	13	-13	247	0	42
184+00.00	184+50.00	0	520	0	15	-15	251	0	43
184+50.00	185+00.00	104	258	78	17	61	127	0	49
185+00.00	185+25.00	110	0	83	9	74	0	0	21
SUB-TOTAL		42,129	11,353	31,597	19,218	12,379	3,957	6,799	9,340

* SHRINKAGE FACTOR 25%

SC-03



USER NAME = micosir	DESIGNED	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 1:1	CHECKED LLS	REVISED -
PLOT DATE = 24-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	46
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - MANNHEIM ROAD RESURFACE									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
185+50.00	186+00.00	693	0	520	0	520	0	0	0
186+00.00	186+50.00	871	0	653	0	653	0	0	0
186+50.00	187+00.00	743	0	557	2	555	0	0	0
187+00.00	187+50.00	450	0	338	3	335	0	0	0
187+50.00	187+73.28	136	0	102	1	101	0	0	0
187+73.28	188+00.00	153	0	115	1	114	0	0	0
188+00.00	188+25.00	99	0	74	9	65	0	0	0
188+25.00	188+42.15	61	0	46	6	40	0	0	0
188+42.15	188+74.03	147	0	110	0	110	0	0	0
188+74.03	189+66.36	282	0	212	0	212	0	0	0
189+66.36	190+14.21	49	0	37	0	37	0	0	0
190+14.21	190+50.00	22	0	17	0	17	0	0	0
190+50.00	191+00.00	25	0	19	0	19	0	0	0
191+00.00	191+25.00	8	0	6	0	6	0	0	0
191+25.00	191+67.75	11	0	8	0	8	0	0	0
191+67.75	192+13.08	17	0	13	0	13	0	0	0
192+13.08	192+50.00	32	0	24	0	24	0	0	0
192+50.00	193+02.24	38	0	29	2	27	0	0	0
193+02.24	193+54.68	23	0	17	4	13	0	0	0
193+54.68	194+00.00	48	0	36	1	35	0	0	0
194+00.00	194+50.00	53	0	40	2	38	0	0	0
194+50.00	195+00.00	38	0	29	6	23	0	0	0
195+00.00	195+50.00	37	0	28	8	20	0	0	0
195+50.00	196+00.00	28	0	21	6	15	0	0	0
SUB-TOTAL		4,064	0	3,048	51	2,997	0	0	0

EARTHWORK SCHEDULE - HIGGINS ROAD									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
494+50.00	495+00.00	202	0	172	0	172	0	0	0
495+00.00	495+25.00	183	0	156	6	150	0	0	0
495+25.00	495+50.00	169	0	144	6	138	0	0	0
495+50.00	495+75.00	173	0	147	0	147	0	0	0
495+75.00	496+00.00	176	0	150	0	150	0	0	0
496+00.00	496+35.00	256	0	218	0	218	0	0	0
496+35.00	496+75.00	320	0	272	2	270	0	0	0
496+75.00	497+00.00	216	0	184	1	183	0	0	0
497+00.00	497+25.00	230	0	196	0	196	0	0	0
497+25.00	497+50.00	244	0	207	0	207	0	0	0
497+50.00	497+75.00	258	0	219	0	219	0	0	0
497+75.00	498+00.00	275	0	234	0	234	0	0	0
498+00.00	498+25.00	286	0	243	0	243	0	0	0
498+25.00	498+50.00	295	0	251	0	251	0	0	0
498+50.00	498+75.00	300	0	255	0	255	0	0	0
498+75.00	499+00.00	303	0	258	0	258	0	0	0
499+00.00	501+00.00	2,006	0	1,705	0	1,705	0	0	0
501+00.00	501+25.00	258	0	219	0	219	0	0	0
501+25.00	501+50.00	289	0	246	0	246	0	0	0
501+50.00	501+75.00	249	0	212	0	212	0	0	0
501+75.00	502+00.00	235	0	200	0	200	0	0	0
502+00.00	502+35.00	313	0	266	0	266	0	0	0
502+35.00	502+75.00	336	0	286	0	286	0	0	0
502+75.00	503+00.00	193	0	164	1	163	0	0	0
503+00.00	503+25.00	180	0	153	2	151	0	0	0
503+25.00	503+50.00	172	0	146	3	143	0	0	0
503+50.00	503+75.00	164	0	139	4	135	0	0	0
503+75.00	504+00.00	164	0	139	5	134	0	0	0
504+00.00	504+25.00	167	0	142	4	138	0	0	0
504+25.00	504+75.00	327	0	278	9	269	0	0	0
504+75.00	505+20.00	295	0	251	8	243	0	0	0
505+20.00	505+50.00	197	0	167	8	159	0	0	0
505+50.00	505+75.00	165	0	140	9	131	0	0	0
SUB-TOTAL		9,596	0	8,157	68	8,089	0	0	0

* SHRINKAGE FACTOR 25%

SC-04



USER NAME = mikosir	DESIGNED	REVISED -
PLOT SCALE = 1:1	DRAWN MMK	REVISED -
PLOT DATE = 24-OCT-2012	CHECKED LLS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	47
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - ZEMKE BLVD / BESSIE COLEMAN

BEGIN STATION	END STATION	EARTH EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE* (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	TOPSOIL (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)
50+75.00	51+00.00	60	0	51	1	50	0	0	0
51+00.00	51+25.00	117	0	99	1	98	0	0	0
51+25.00	51+50.00	114	0	97	1	96	0	0	0
51+50.00	51+75.00	114	0	97	1	96	0	0	0
51+75.00	51+84.52	44	0	37	0	37	0	0	0
51+84.52	52+00.00	72	0	61	1	60	0	0	0
52+00.00	52+25.00	122	0	104	1	103	0	0	0
61+25.00	61+25.00	0	0	0	0	0	0	0	0
61+25.00	61+50.00	103	0	88	0	88	0	0	0
61+50.00	61+75.00	201	0	171	0	171	0	0	0
61+75.00	62+00.00	191	0	162	0	162	0	0	0
62+00.00	62+25.00	180	0	153	0	153	0	0	0
62+25.00	62+50.00	171	0	145	0	145	0	0	0
62+50.00	63+00.00	327	0	278	0	278	0	0	0
63+00.00	63+25.00	154	0	131	0	131	0	0	0
63+25.00	63+50.00	144	0	122	0	122	0	0	0
63+50.00	63+75.00	135	0	115	0	115	0	0	0
63+75.00	64+00.00	126	0	107	1	106	0	0	0
SUB-TOTAL		2,375	0	2,019	7	2,012	0	0	0
9+25.00	9+50.00	106	0	90	0	90	0	0	0
9+50.00	9+75.00	217	0	184	0	184	0	0	0
9+75.00	10+00.00	221	0	188	0	188	0	0	0
10+00.00	10+25.00	214	0	182	0	182	0	0	0
10+25.00	10+50.00	200	0	170	0	170	0	0	0
10+50.00	10+75.00	193	0	164	1	163	0	0	0
10+75.00	11+00.00	192	0	163	2	161	0	0	0
11+00.00	11+25.00	186	0	158	2	156	0	0	0
11+25.00	11+50.00	179	0	152	2	150	0	0	0
11+50.00	11+75.00	180	0	153	1	152	0	0	0
11+75.00	12+00.00	186	0	158	1	157	0	0	0
12+00.00	12+25.00	186	0	158	1	157	0	0	0
12+25.00	12+50.00	184	0	156	1	155	0	0	0
12+50.00	12+75.00	179	0	152	1	151	0	0	0
12+75.00	13+00.00	175	0	149	1	148	0	0	0
13+00.00	13+17.91	124	0	105	0	105	0	0	0
SUB-TOTAL		2,922	0	2,484	13	2,471	0	0	0

* SHRINKAGE FACTOR 25%

SC-05



USER NAME = mkosir	DESIGNED	REVISED -
	DRAWN <i>MMK</i>	REVISED -
PLOT SCALE = 1:1	CHECKED <i>LLS</i>	REVISED -
PLOT DATE = 24-OCT-2012	DATE <i>10/19/12</i>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P35	

EARTHWORK SCHEDULE - RAMP NBWB									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
606+21.91	606+60.72	3	0	2	78	-76	0	23	20
606+60.72	606+89.43	4	0	3	41	-38	0	15	13
606+89.43	607+00.00	2	0	2	10	-9	0	5	6
607+00.00	607+25.00	15	0	11	15	-4	0	11	13
607+25.00	607+50.00	29	0	22	7	15	0	8	10
607+50.00	607+75.00	40	0	30	2	28	0	6	7
607+75.00	608+00.00	49	0	37	1	36	0	3	5
SUB-TOTAL		142	0	107	154	-48	0	71	74

EARTHWORK SCHEDULE - RAMP SBWB									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
802+68.39	803+17.44	63	0	47	2	45	0	6	12
803+17.44	803+65.60	86	0	65	5	60	0	9	13
803+65.60	804+14.25	108	0	81	4	77	0	8	10
804+14.25	804+62.10	114	0	86	0	86	0	5	6
804+62.10	805+09.76	107	0	80	0	80	0	4	5
805+09.76	805+55.30	98	0	74	0	74	0	4	5
805+55.30	805+64.22	18	0	14	0	14	0	1	1
SUB-TOTAL		594	0	446	11	435	0	37	52

EARTHWORK SCHEDULE - RAMP WBNB									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
702+00.00	702+25.00	37	0	28	0	28	0	3	1
702+25.00	702+60.11	42	0	32	1	31	0	6	3
702+60.11	702+90.00	28	0	21	4	17	0	7	5
702+90.00	703+07.96	13	0	10	5	5	0	5	4
703+07.96	703+30.00	12	0	9	6	3	0	6	5
703+30.00	703+56.15	12	0	9	7	2	0	6	5
SUB-TOTAL		144	0	108	23	85	0	33	23

EARTHWORK SCHEDULE - RAMP WBSB									
BEGIN STATION	END STATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	TOPSOIL	TOPSOIL EXCAVATION AND PLACEMENT
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
509+50.00	509+75.00	49	0	37	1	36	0	3	3
509+75.00	510+00.00	45	0	34	1	33	0	4	4
510+00.00	510+42.24	66	0	50	4	46	0	8	7
510+42.24	510+80.46	44	0	33	6	27	0	9	8
510+80.46	511+26.99	40	0	30	12	18	0	13	12
SUB-TOTAL		244	0	183	24	159	0	37	34

* SHRINKAGE FACTOR 25%

SC-06



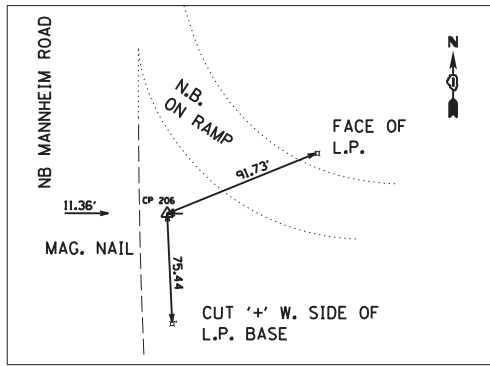
USER NAME = micosir	DESIGNED	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 1:1	CHECKED LLS	REVISED -
PLOT DATE = 24-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	49
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



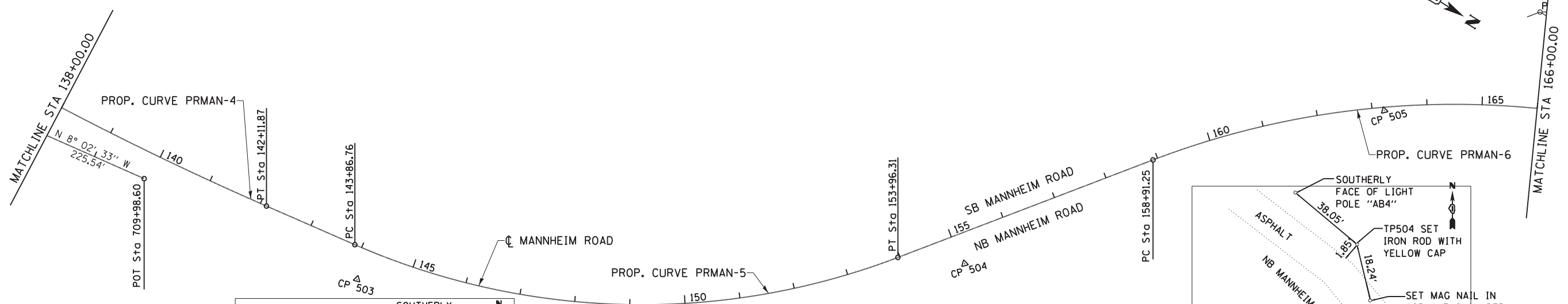
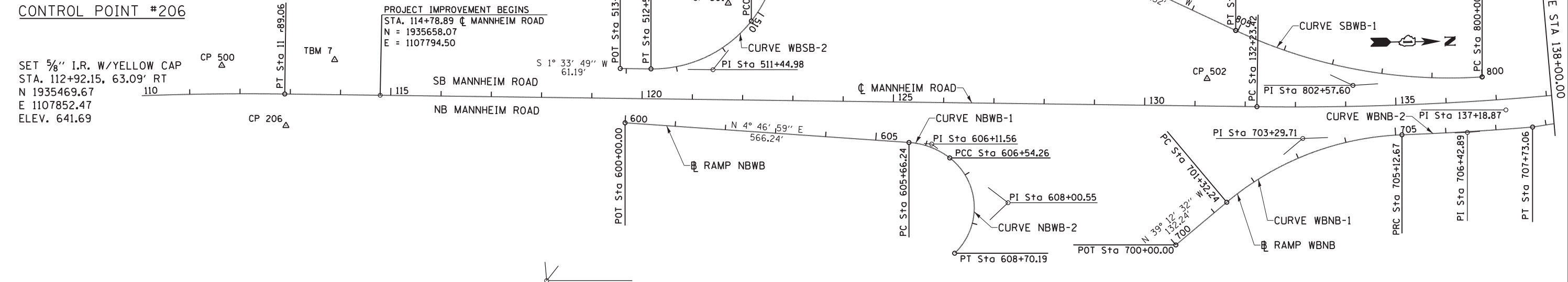
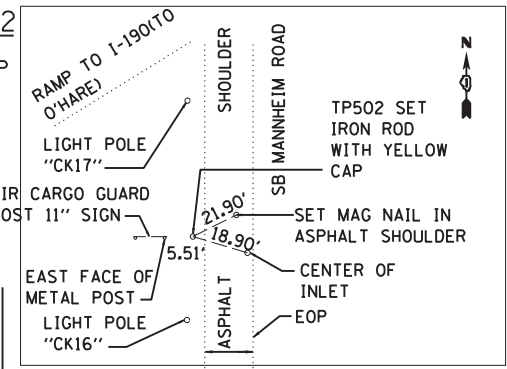
CONTROL POINT #206

SET 5/8" I.R. W/YELLOW CAP
 STA. 112+92.15, 63.09' RT
 N 1935469.67
 E 1107852.47
 ELEV. 641.69

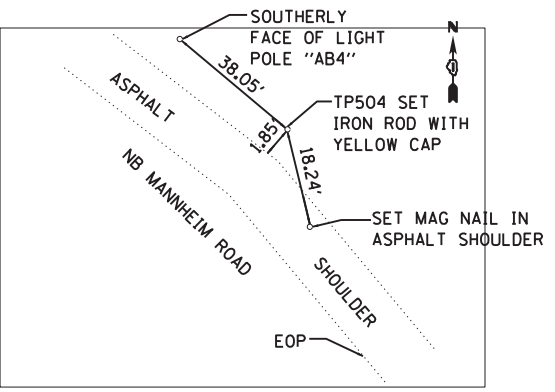
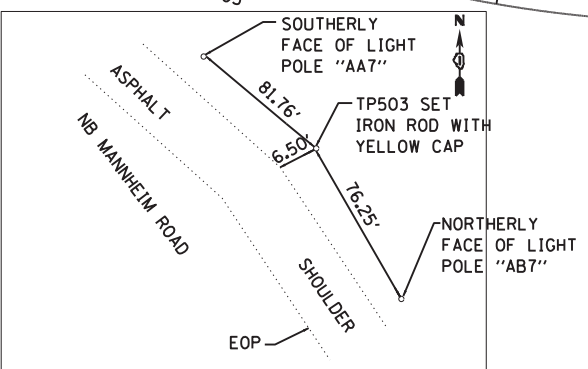
PROJECT IMPROVEMENT BEGINS
 STA. 114+78.89 @ MANNHEIM ROAD
 N = 1935658.07
 E = 1107794.50

CONTROL POINT #502

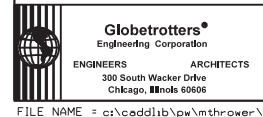
SET 5/8" I.R. W/YELLOW CAP
 STA. 131+23.45, 54.37' RT
 N 1937303.50
 E 1107785.02
 ELEV. 638.27



CONTROL POINT #503
 SET 5/8" I.R. W/YELLOW CAP
 STA. 144+14.15, 56.06' RT
 N 1938596.84
 E 1107809.65
 ELEV. 639.75



CONTROL POINT #504
 SET 5/8" I.R. W/YELLOW CAP
 STA. 155+05.18, 53.79' RT
 N 1939516.42
 E 1107203.35
 ELEV. 640.27



USER NAME = maurice.thrower
 DESIGNED - MT
 DRAWN - MT
 CHECKED - VT
 DATE - 10/19/2012

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

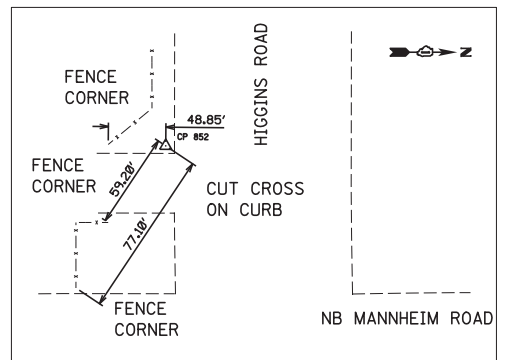
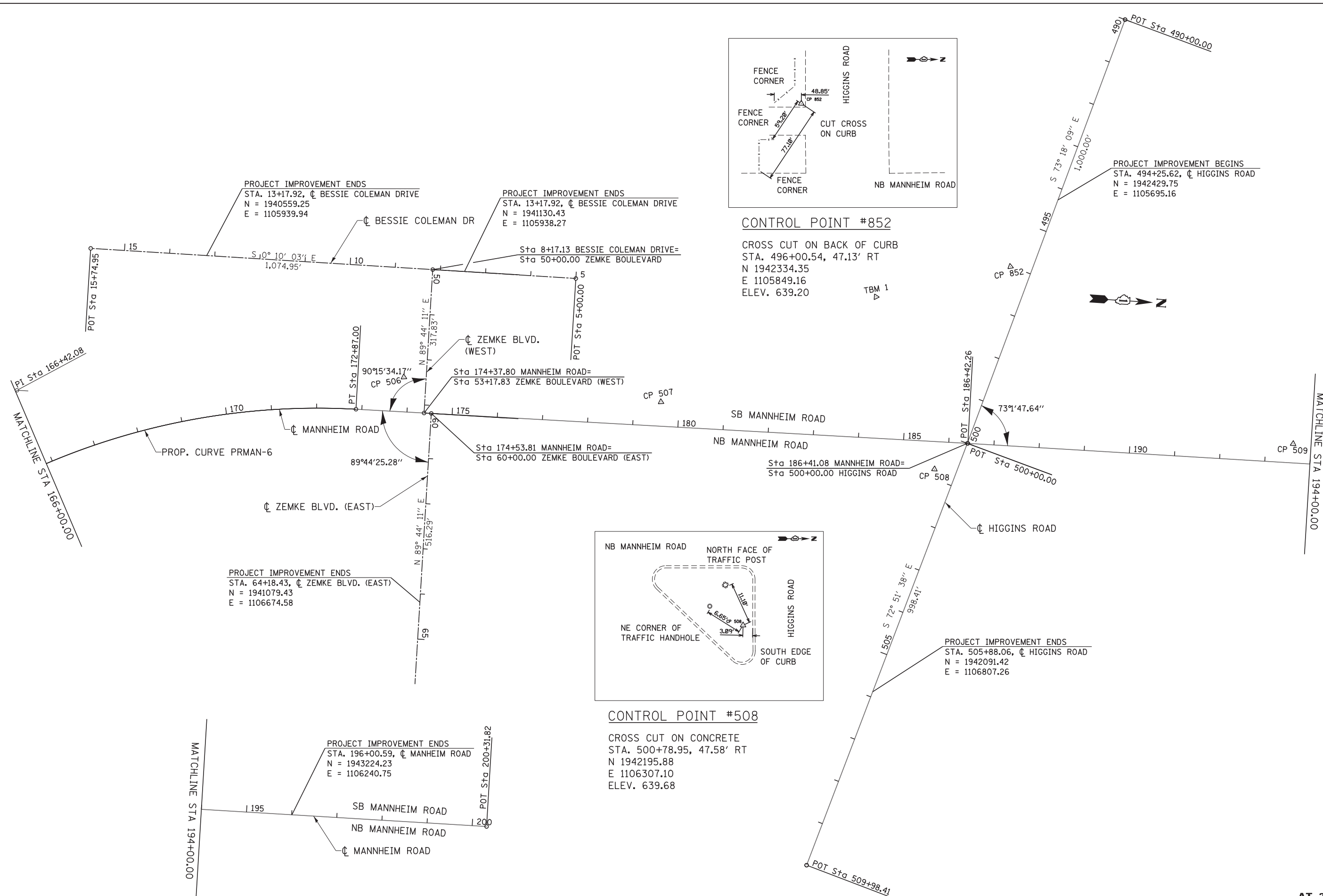
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS
 MANNHEIM ROAD**

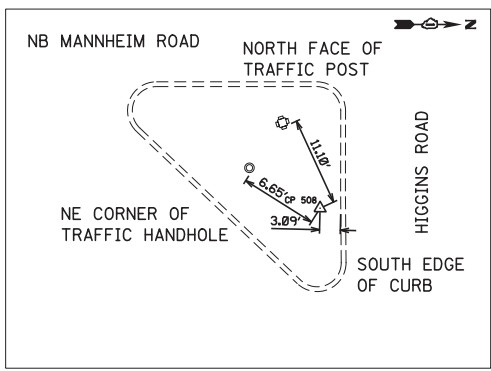
SCALE: 1" = 100' SHEET NO. OF SHEETS STA. 112+89.06 TO STA. 166+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	53
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

FILE NAME = c:\cadd\lib\pw\thrower\p\great.lakes\dms47849\0160P35-sht-ATB1.dgn



CONTROL POINT #852
 CROSS CUT ON BACK OF CURB
 STA. 496+00.54, 47.13' RT
 N 1942334.35
 E 1105849.16
 ELEV. 639.20



CONTROL POINT #508
 CROSS CUT ON CONCRETE
 STA. 500+78.95, 47.58' RT
 N 1942195.88
 E 1106307.10
 ELEV. 639.68

PROJECT IMPROVEMENT BEGINS
 STA. 494+25.62, C Higgins Road
 N = 1942429.75
 E = 1105695.16

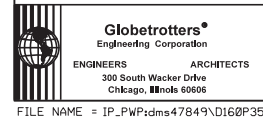
PROJECT IMPROVEMENT ENDS
 STA. 505+88.06, C Higgins Road
 N = 1942091.42
 E = 1106807.26

PROJECT IMPROVEMENT ENDS
 STA. 64+18.43, C ZEMKE BLVD. (EAST)
 N = 1941079.43
 E = 1106674.58

PROJECT IMPROVEMENT ENDS
 STA. 13+17.92, C BESSIE COLEMAN DRIVE
 N = 1940559.25
 E = 1105939.94

PROJECT IMPROVEMENT ENDS
 STA. 13+17.92, C BESSIE COLEMAN DRIVE
 N = 1941130.43
 E = 1105938.27

PROJECT IMPROVEMENT ENDS
 STA. 196+00.59, C MANNHEIM ROAD
 N = 1943224.23
 E = 1106240.75



USER NAME = micosir	DESIGNED MT	REVISED -
	DRAWN MT	REVISED -
PLOT SCALE = 1/8"=1'	CHECKED VT	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**














**ALIGNMENT, TIES & BENCHMARKS
 MANNHEIM ROAD**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. 166+00.00 TO STA. 200+31.82

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	54
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

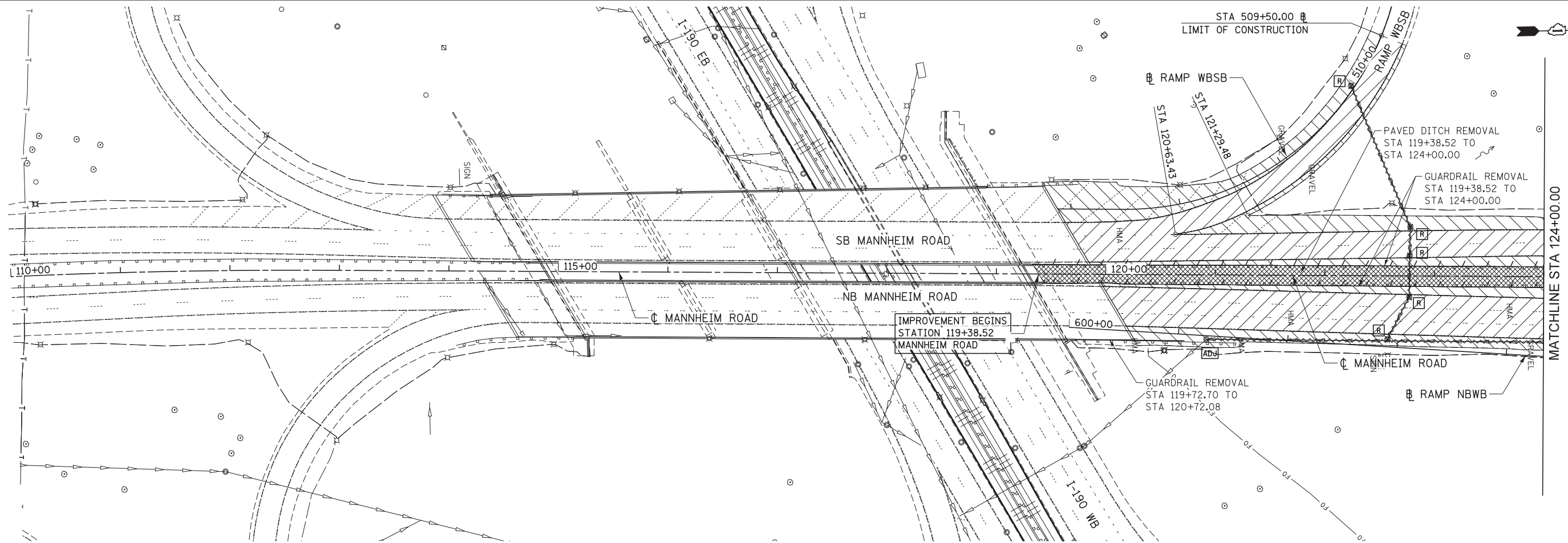
INTERIM DRAINAGE (TYPICAL)
 SUFFICIENT DRAINAGE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO FACILITATE SURFACE RUNOFF. WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER, OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLAN HIS OPERATIONS, WITH THE APPROVAL OF THE ENGINEER IN THE FIELD, SO AS TO UTILIZE THE FACILITIES PROVIDED TO PREVENT LOCAL FLOODING AND ENSURE PROPER SURFACE RUNOFF. ANY MINOR DITCH GRADING AND ANY BULKHEADING AS DIRECTED BY THE ENGINEER, NECESSARY TO PROVIDE FOR THE INTERIM DRAINAGE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

REMOVAL LEGEND

-  PAVEMENT REMOVAL
-  SHOULDER REMOVAL
-  DRIVEWAY REMOVAL
-  SIDEWALK REMOVAL
-  HMA SURFACE REMOVAL, 4"
-  DRAINAGE STR. ADJUSTMENT
-  DRAINAGE STR. REMOVAL
-  CONCRETE MEDIAN REMOVAL
-  PAVED DITCH REMOVAL
-  LINEAR ITEM REMOVAL
-  ITEM REMOVAL
-  DRAINAGE STR. RECONSTRUCTION
-  STORM SEWER REMOVAL

NOTES

1. QUANTITY OF TRENCH BACKFILL FOR STORM SEWER REMOVAL IS PROVIDED IN SCHEDULE AFTER LENGTH OF PIPE REMOVED. TRENCH BACKFILL QUANTITY BASED ON LENGTH OF PIPE REMOVED. IF EXISTING STORM SEWER IS REMOVED AND REPLACED, TRENCH BACKFILL WILL BE PROVIDED FOR PROPOSED STORM SEWER ONLY
2. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
3. REMOVAL AND DISPOSAL OF EXISTING SHOULDER STABILIZATION UNDER EXISTING GUARDRAIL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.



MATCHLINE STA 124+00.00

REM-01



USER NAME = mkostr	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 50:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
 MANNHEIM ROAD

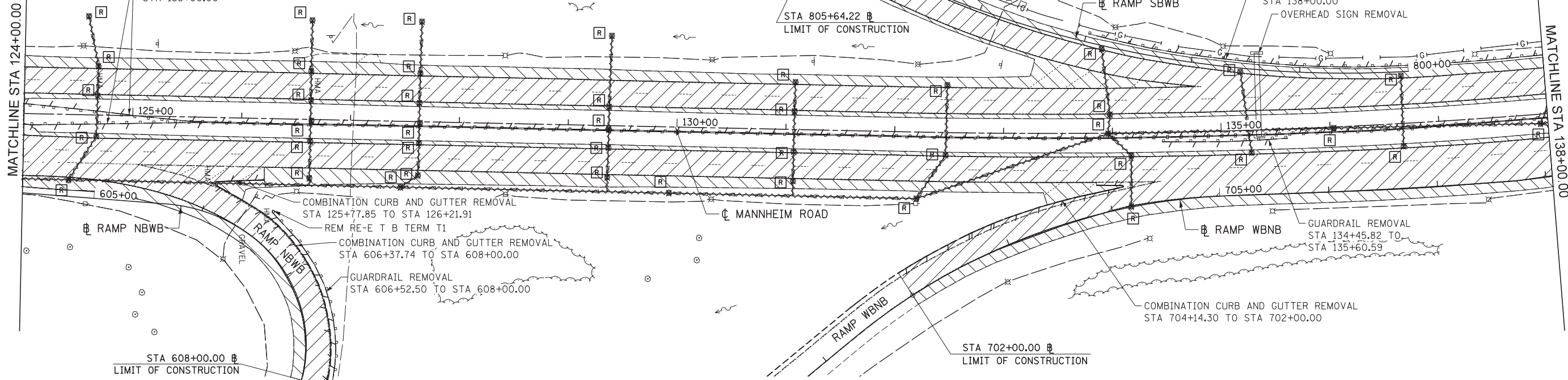
SCALE: 1" = 50' SHEET NO. 1 OF 5 SHEETS STA. BOP TO STA. 124+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	55
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

NOTES

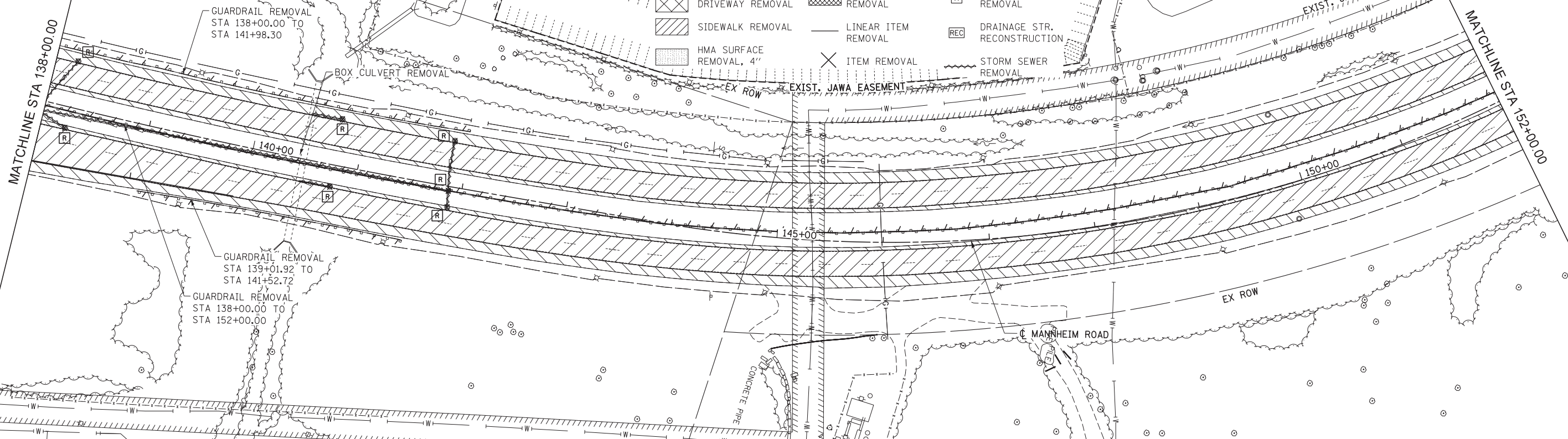
1. QUANTITY OF TRENCH BACKFILL FOR STORM SEWER REMOVAL IS PROVIDED IN SCHEDULE AFTER LENGTH OF PIPE REMOVED. TRENCH BACKFILL QUANTITY BASED ON LENGTH OF PIPE REMOVED. IF EXISTING STORM SEWER IS REMOVED AND REPLACED, TRENCH BACKFILL WILL BE PROVIDED FOR PROPOSED STORM SEWER ONLY
2. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
3. REMOVAL AND DISPOSAL OF EXISTING SHOULDER STABILIZATION UNDER EXISTING GUARDRAIL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.

GUARDRAIL REMOVAL STA 124+00.00 TO STA 138+00.00



REMOVAL LEGEND

- | | | |
|-------------------------|-------------------------|------------------------------|
| PAVEMENT REMOVAL | CONCRETE MEDIAN REMOVAL | DRAINAGE STR. ADJUSTMENT |
| SHOULDER REMOVAL | PAVED DITCH REMOVAL | DRAINAGE STR. REMOVAL |
| DRIVEWAY REMOVAL | LINEAR ITEM REMOVAL | DRAINAGE STR. RECONSTRUCTION |
| SIDEWALK REMOVAL | ITEM REMOVAL | STORM SEWER REMOVAL |
| HMA SURFACE REMOVAL, 4" | | |



USER NAME = mikosir	DESIGNED LLS/MMK	REVISED -
PLOT SCALE = 50:1	DRAWN MMK	REVISED -
PLOT DATE = 23-OCT-2012	CHECKED LLS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 124+00.00 TO STA. 152+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	56
CONTRACT NO. 60P35				

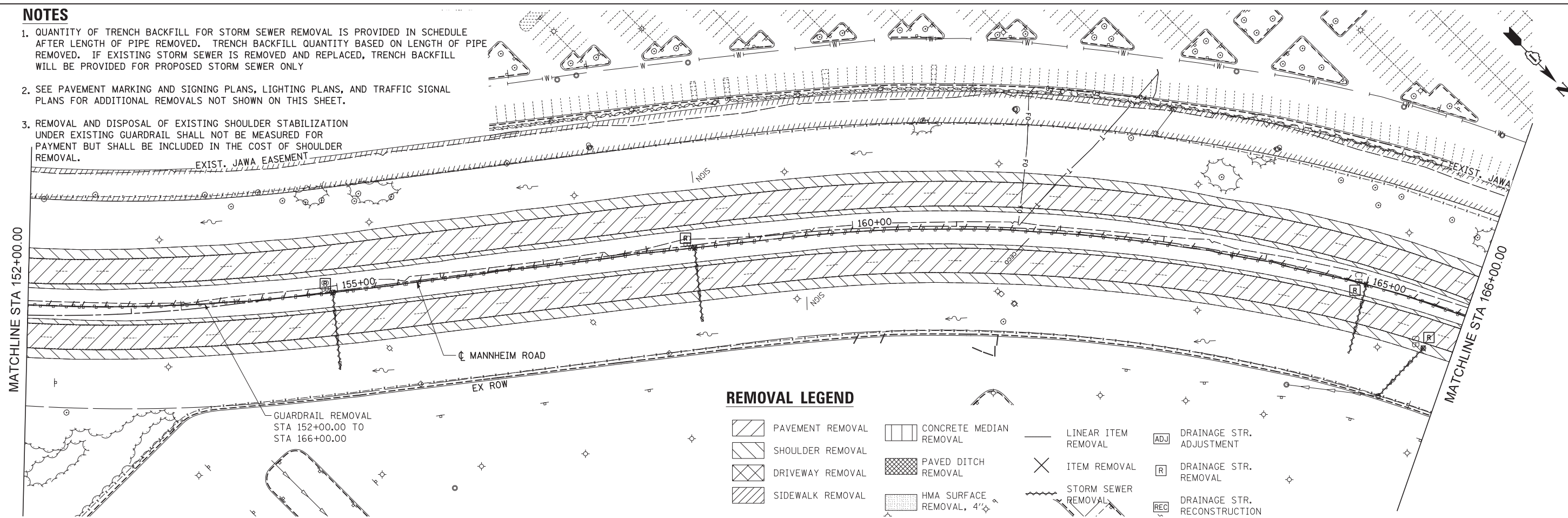
ILLINOIS FED. AID PROJECT

NOTES

1. QUANTITY OF TRENCH BACKFILL FOR STORM SEWER REMOVAL IS PROVIDED IN SCHEDULE AFTER LENGTH OF PIPE REMOVED. TRENCH BACKFILL QUANTITY BASED ON LENGTH OF PIPE REMOVED. IF EXISTING STORM SEWER IS REMOVED AND REPLACED, TRENCH BACKFILL WILL BE PROVIDED FOR PROPOSED STORM SEWER ONLY
2. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
3. REMOVAL AND DISPOSAL OF EXISTING SHOULDER STABILIZATION UNDER EXISTING GUARDRAIL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.

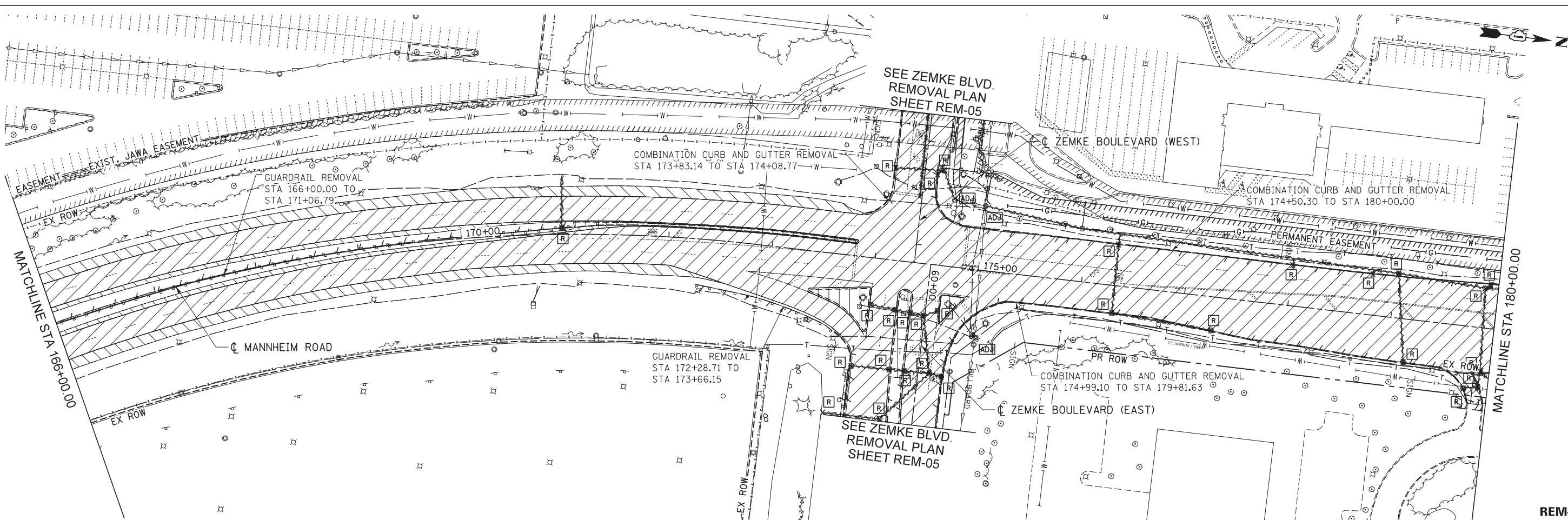
MATCHLINE STA 152+00.00

MATCHLINE STA 166+00.00



REMOVAL LEGEND

- | | | | |
|------------------|--------------------------|---------------------|------------------------------|
| PAVEMENT REMOVAL | CONCRETE MEDIAN REMOVAL | LINEAR ITEM REMOVAL | DRAINAGE STR. ADJUSTMENT |
| SHOULDER REMOVAL | PAVED DITCH REMOVAL | ITEM REMOVAL | DRAINAGE STR. REMOVAL |
| DRIVEWAY REMOVAL | HMA SURFACE REMOVAL, 4"± | STORM SEWER REMOVAL | DRAINAGE STR. RECONSTRUCTION |
| SIDEWALK REMOVAL | | | |



REM-03



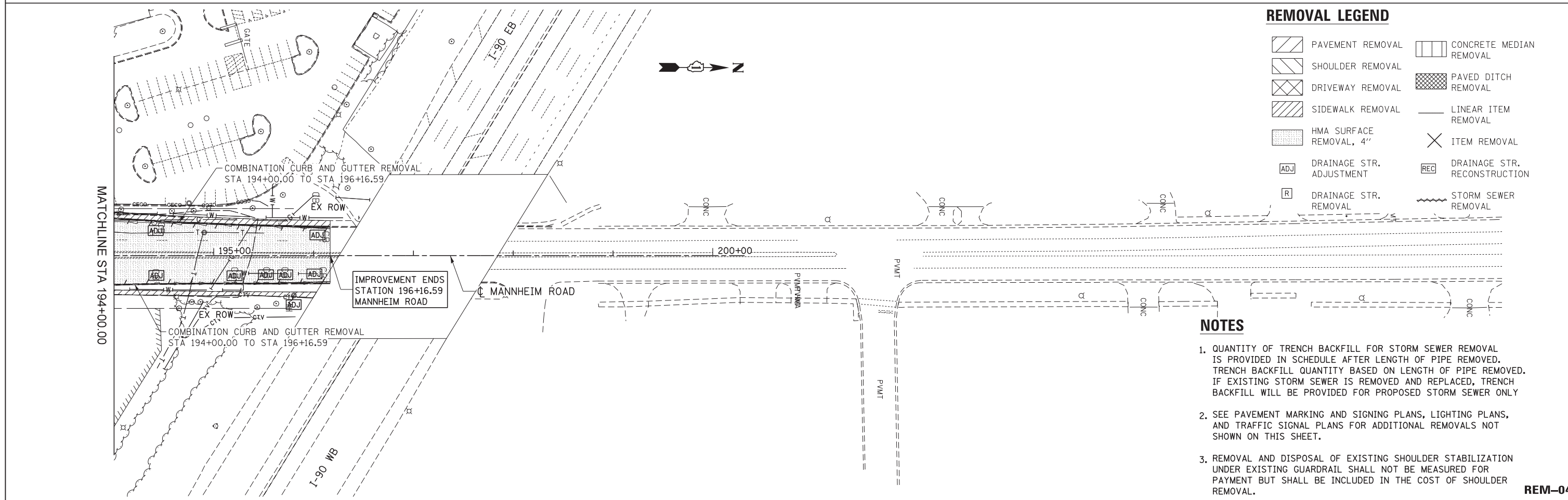
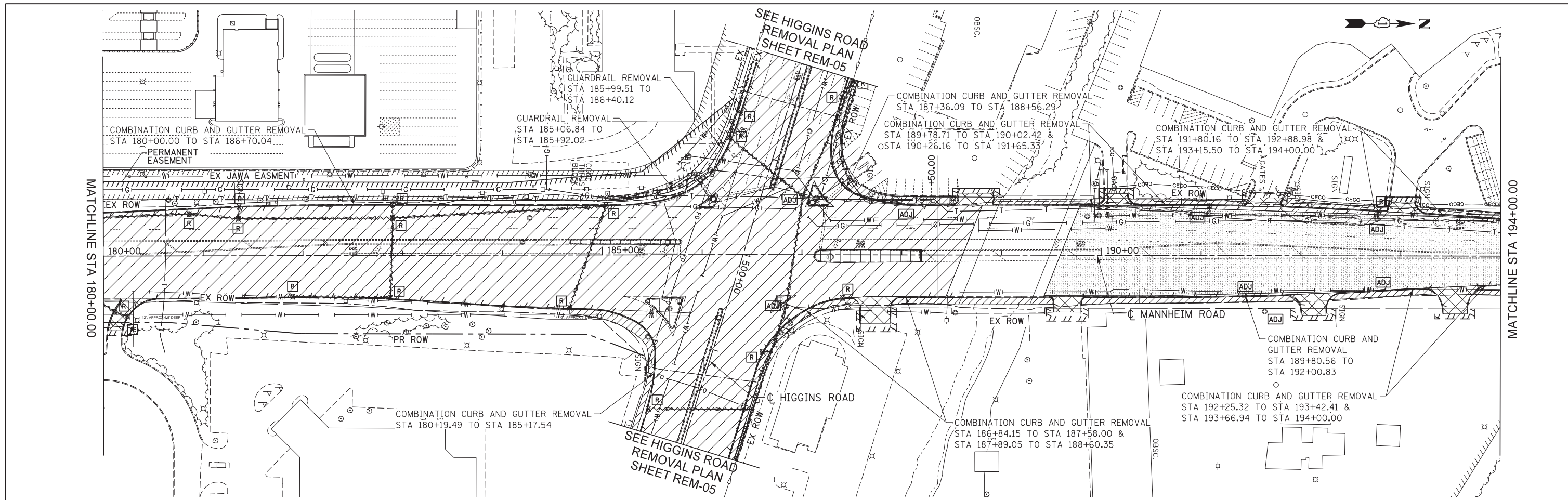
USER NAME = mkostr	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 50:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 3 OF 5 SHEETS STA. 152+00.00 TO STA. 180+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	57
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

	PAVEMENT REMOVAL		CONCRETE MEDIAN REMOVAL
	SHOULDER REMOVAL		PAVED DITCH REMOVAL
	DRIVEWAY REMOVAL		LINEAR ITEM REMOVAL
	SIDEWALK REMOVAL		ITEM REMOVAL
	HMA SURFACE REMOVAL, 4"		DRAINAGE STR. ADJUSTMENT
	DRAINAGE STR. REMOVAL		DRAINAGE STR. RECONSTRUCTION
			STORM SEWER REMOVAL

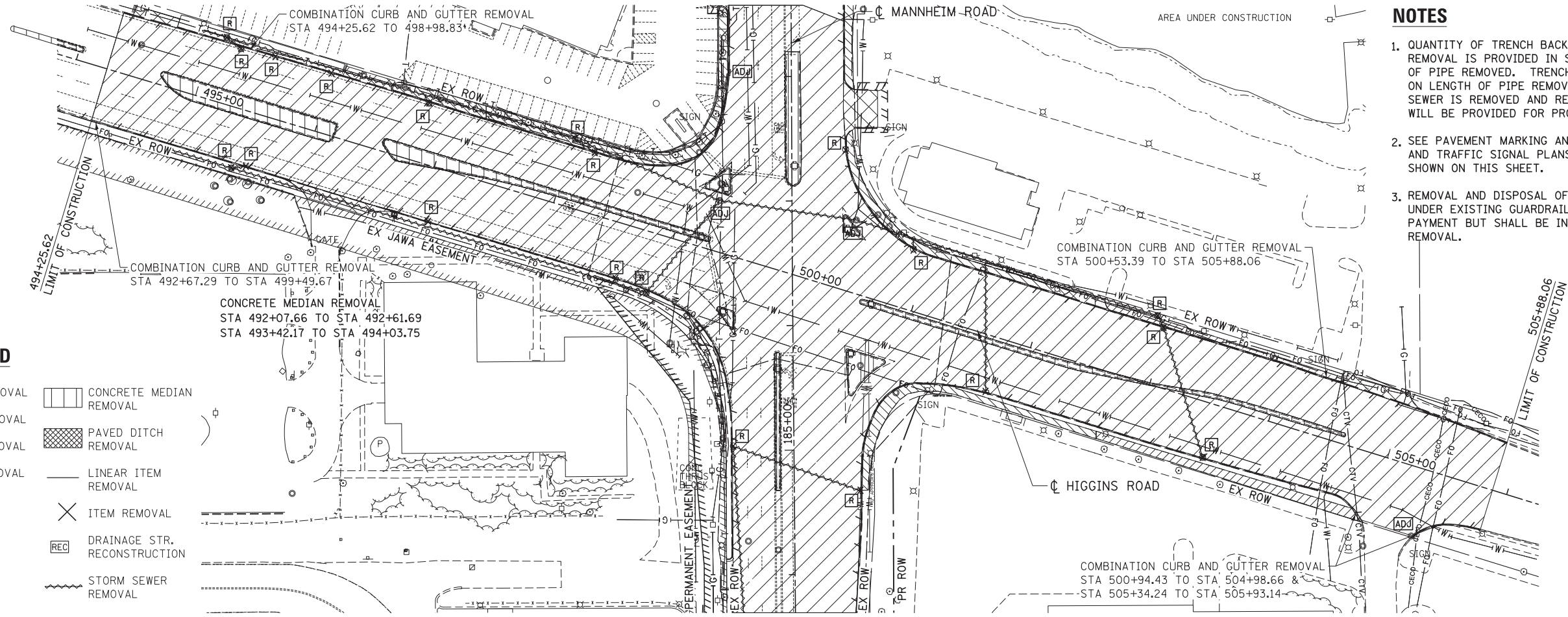
- NOTES**
1. QUANTITY OF TRENCH BACKFILL FOR STORM SEWER REMOVAL IS PROVIDED IN SCHEDULE AFTER LENGTH OF PIPE REMOVED. TRENCH BACKFILL QUANTITY BASED ON LENGTH OF PIPE REMOVED. IF EXISTING STORM SEWER IS REMOVED AND REPLACED, TRENCH BACKFILL WILL BE PROVIDED FOR PROPOSED STORM SEWER ONLY
 2. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
 3. REMOVAL AND DISPOSAL OF EXISTING SHOULDER STABILIZATION UNDER EXISTING GUARDRAIL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.

HNTB	USER NAME = mkostr	DESIGNED LLS/MMK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN MANNHEIM ROAD	F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 58
	PLOT SCALE = 50:1	CHECKED LLS	REVISED -			CONTRACT NO. 60P35				
	PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. 180+00.00 TO STA. 196+15.00

FILE NAME = IP_PWP\dms47849\DI60P35-shr-rem4.dgn

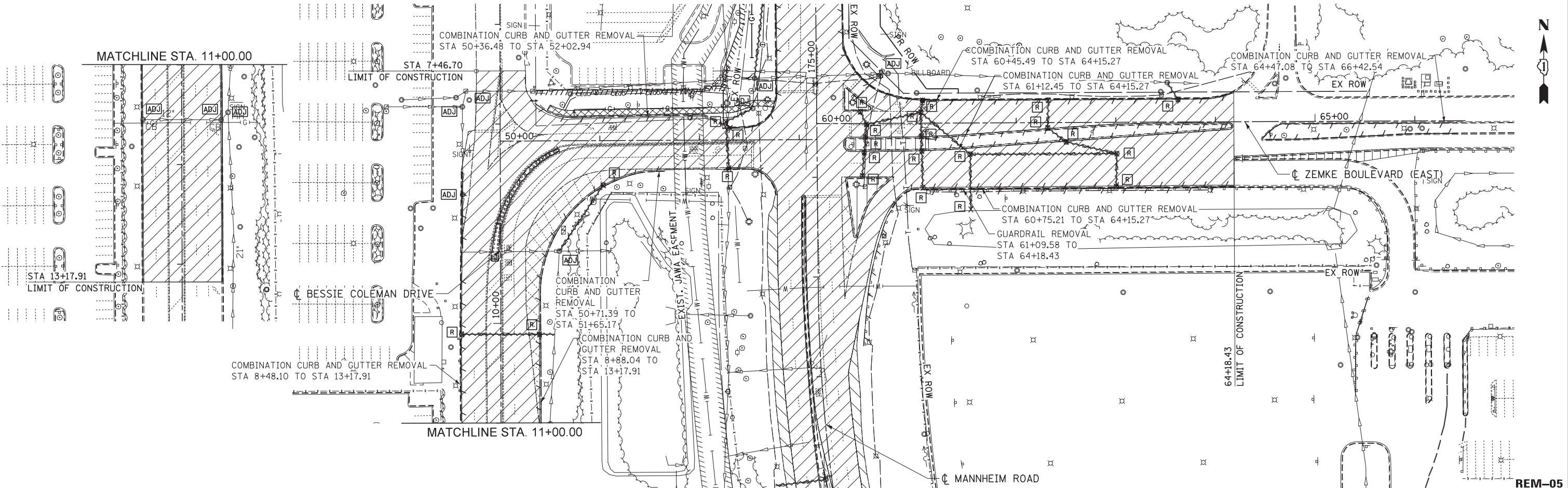
REM-04



- NOTES**
1. QUANTITY OF TRENCH BACKFILL FOR STORM SEWER REMOVAL IS PROVIDED IN SCHEDULE AFTER LENGTH OF PIPE REMOVED. TRENCH BACKFILL QUANTITY BASED ON LENGTH OF PIPE REMOVED. IF EXISTING STORM SEWER IS REMOVED AND REPLACED, TRENCH BACKFILL WILL BE PROVIDED FOR PROPOSED STORM SEWER ONLY
 2. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
 3. REMOVAL AND DISPOSAL OF EXISTING SHOULDER STABILIZATION UNDER EXISTING GUARDRAIL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.

REMOVAL LEGEND

- | | | | |
|--|--------------------------|--|------------------------------|
| | PAVEMENT REMOVAL | | CONCRETE MEDIAN REMOVAL |
| | SHOULDER REMOVAL | | PAVED DITCH REMOVAL |
| | DRIVEWAY REMOVAL | | LINEAR ITEM REMOVAL |
| | SIDWALK REMOVAL | | ITEM REMOVAL |
| | HMA SURFACE REMOVAL | | DRAINAGE STR. RECONSTRUCTION |
| | DRAINAGE STR. ADJUSTMENT | | STORM SEWER REMOVAL |
| | DRAINAGE STR. REMOVAL | | |



USER NAME = mksosr	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 50:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

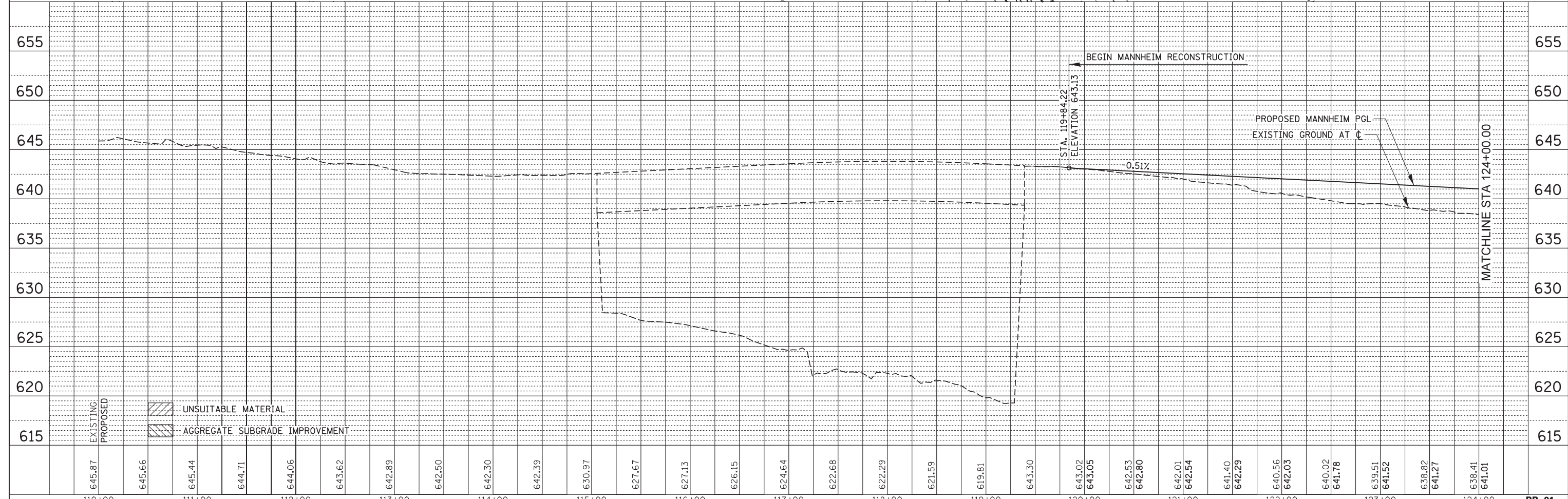
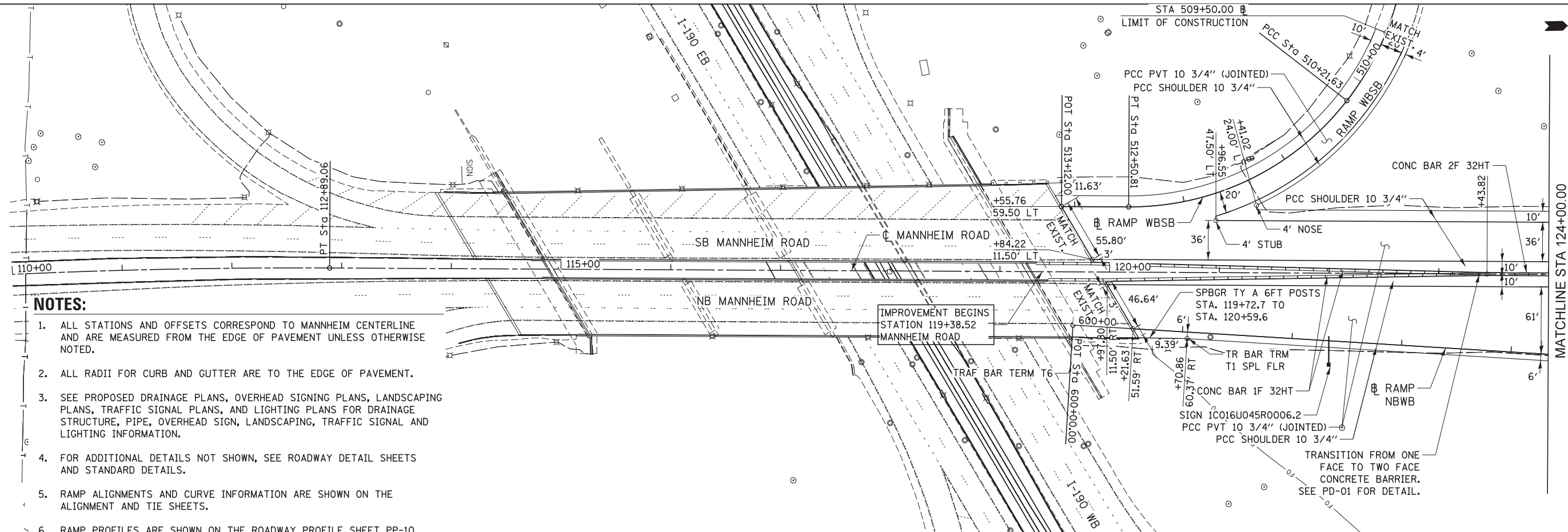
**REMOVAL PLAN
HIGGINS ROAD AND ZEMKE BOULEVARD**

SCALE: 1" = 50' SHEET NO. 5 OF 5 SHEETS STA. BOP TO STA. EOP

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 59
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DESIGNED		
	NO. _____		

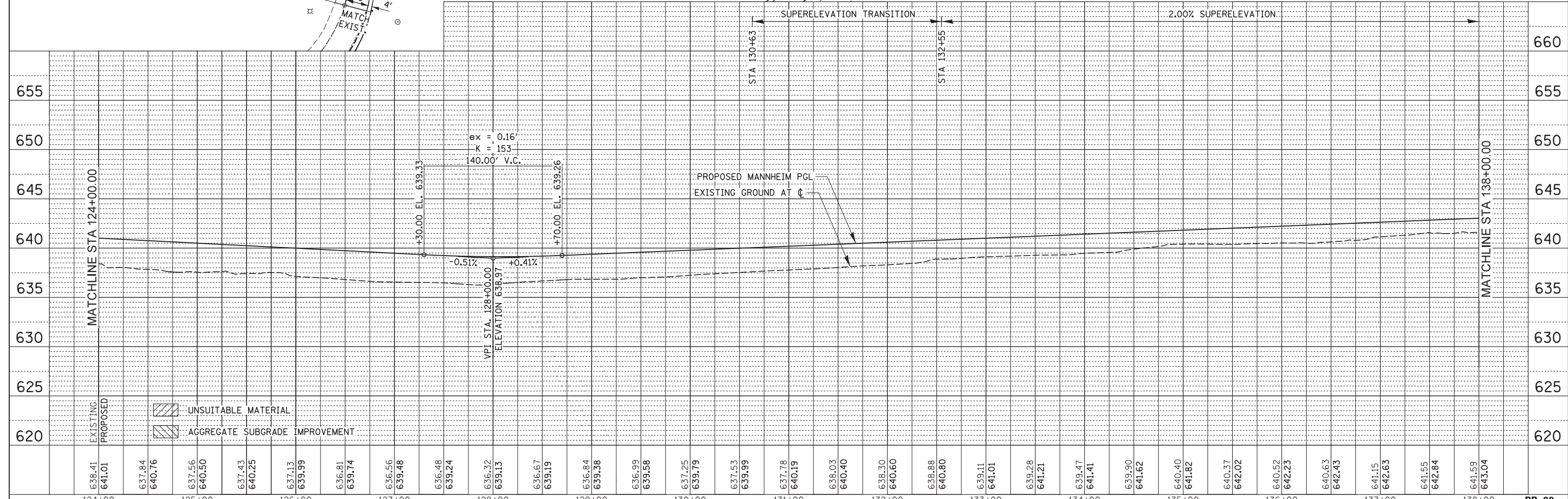
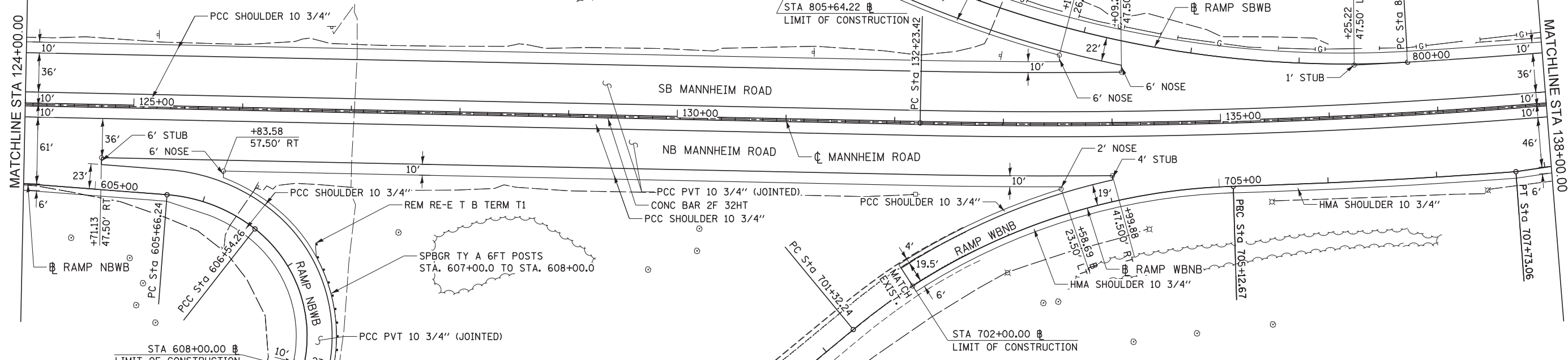
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DESIGNED		
	NO. _____		



HNTB	USER NAME = micosir	DESIGNED LLS/MMK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE MANNHEIM ROAD	F.A.P. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 60		
	PLOT SCALE = 50:1	CHECKED LLS	REVISED -			SCALE: 1" = 50'	SHEET NO. 1 OF 10 SHEETS	STA. BOP TO STA. 124+00.00	CONTRACT NO. 60P35			
	PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT						
	FILE NAME IP_PWP\dms47849\0160P35-shr-plnprf_01.dgn											

NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.
6. RAMP PROFILES ARE SHOWN ON THE ROADWAY PROFILE SHEET PP-10.



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHKD	
	BY	
	NO.	



USER NAME = mkosir
DESIGNED LLS/MMK
DRAWN MMK
CHECKED LLS
DATE 10/19/12

REVISIONS:
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
MANNHEIM ROAD
SCALE: 1" = 50'
SHEET NO. 2 OF 10 SHEETS
STA. 124+00.00 TO STA. 138+00.00

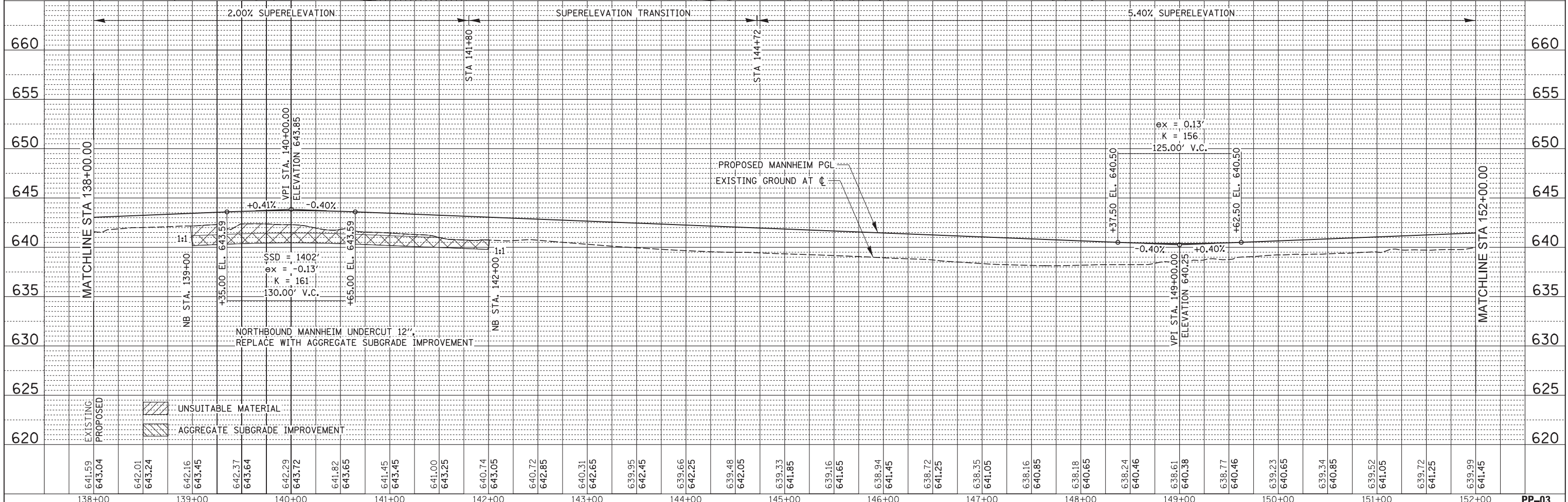
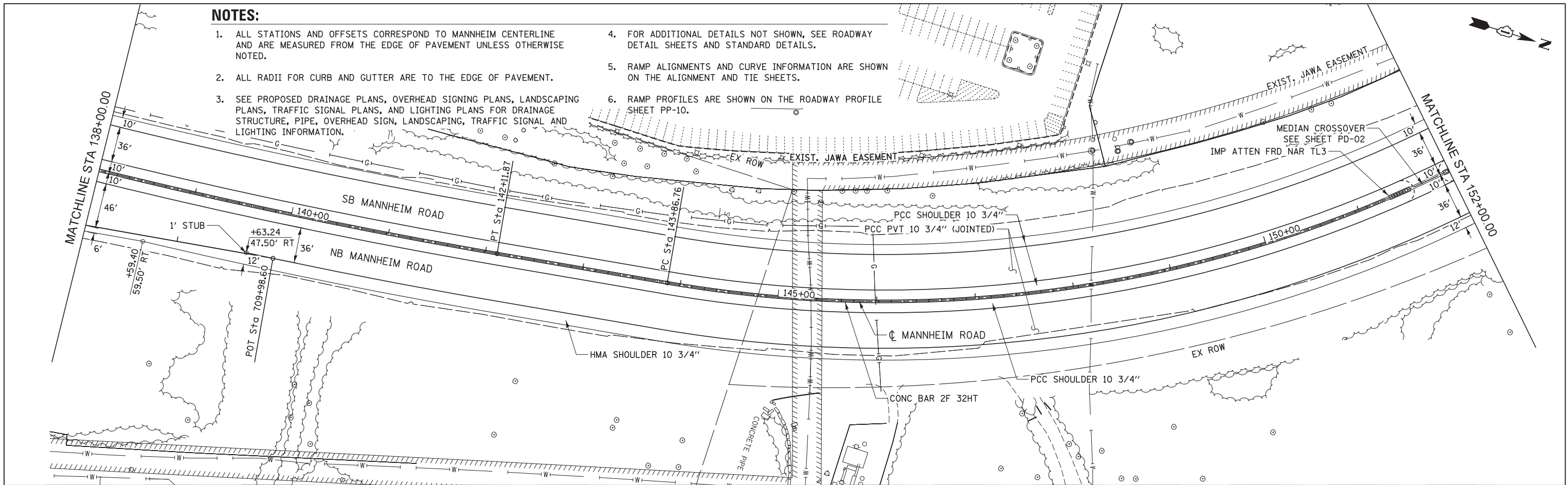
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	61
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.
6. RAMP PROFILES ARE SHOWN ON THE ROADWAY PROFILE SHEET PP-10.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHKD	
	BY	
	NO.	



641.59	643.04	642.01	643.24	642.16	643.45	642.37	643.64	642.29	643.72	641.82	643.65	641.45	643.45	641.00	643.25	640.74	643.05	640.72	642.85	640.31	642.65	639.95	642.45	639.66	642.25	639.48	642.05	639.33	641.85	639.16	641.65	638.94	641.45	638.72	641.25	638.55	641.05	638.16	640.85	638.18	640.65	638.24	640.46	638.61	640.38	638.77	640.46	639.23	640.65	639.34	640.85	639.52	641.05	639.72	641.25	639.99	641.45
138+00	139+00	140+00	141+00	142+00	143+00	144+00	145+00	146+00	147+00	148+00	149+00	150+00	151+00	152+00	PP-03																																										



USER NAME = micosir
 DESIGNED LLS/MMK
 DRAWN MMK
 CHECKED LLS
 DATE 10/19/12

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

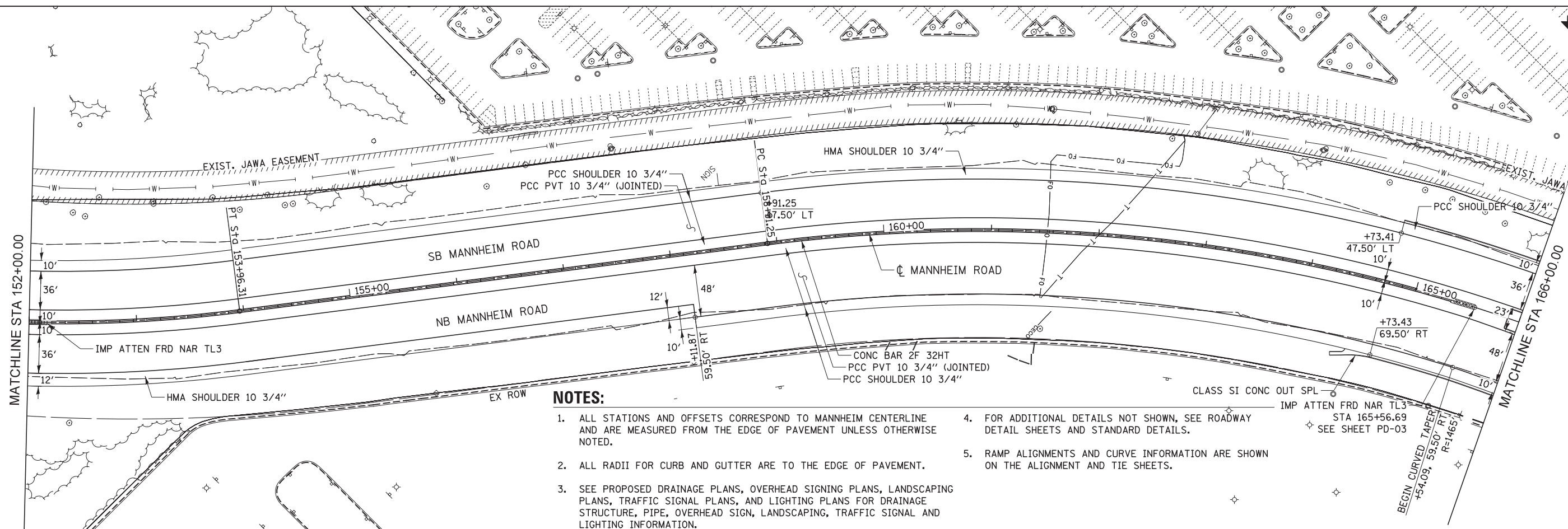
**PLAN AND PROFILE
 MANNHEIM ROAD**

SCALE: 1" = 50'
 SHEET NO. 3 OF 10 SHEETS
 STA. 138+00.00 TO STA. 152+00.00

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 62
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

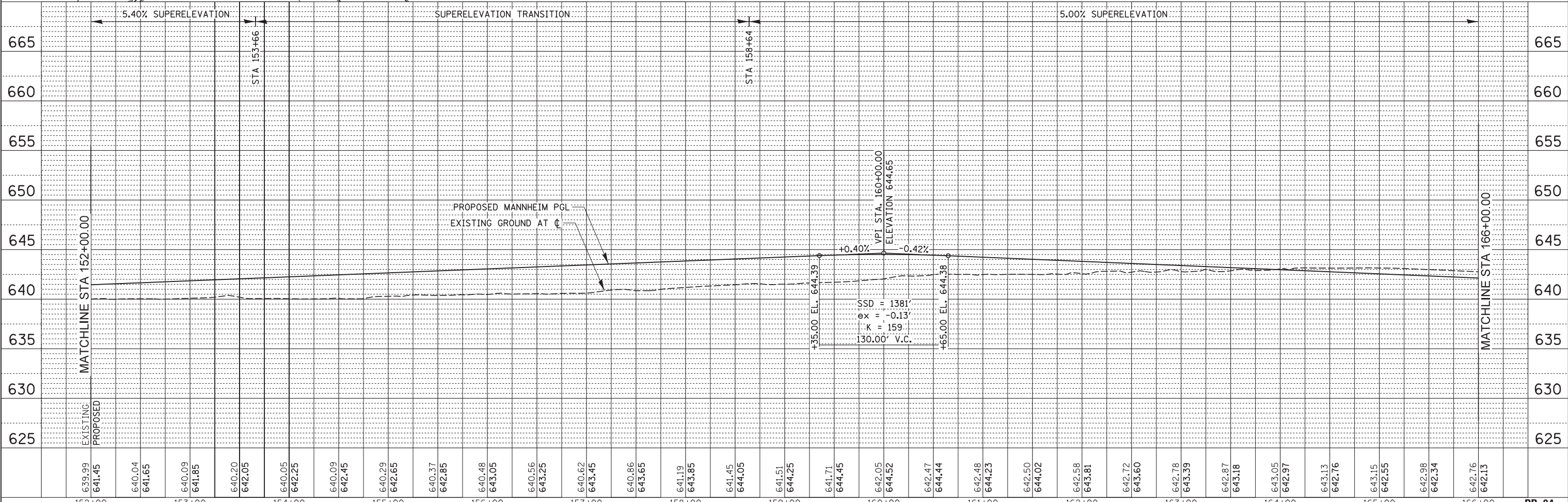
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	



NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.



USER NAME = mkosir

DESIGNED LLS/MMK

DRAWN MMK

CHECKED LLS

DATE 10/19/12

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
MANNHEIM ROAD

SCALE: 1" = 50'

SHEET NO. 4 OF 10 SHEETS

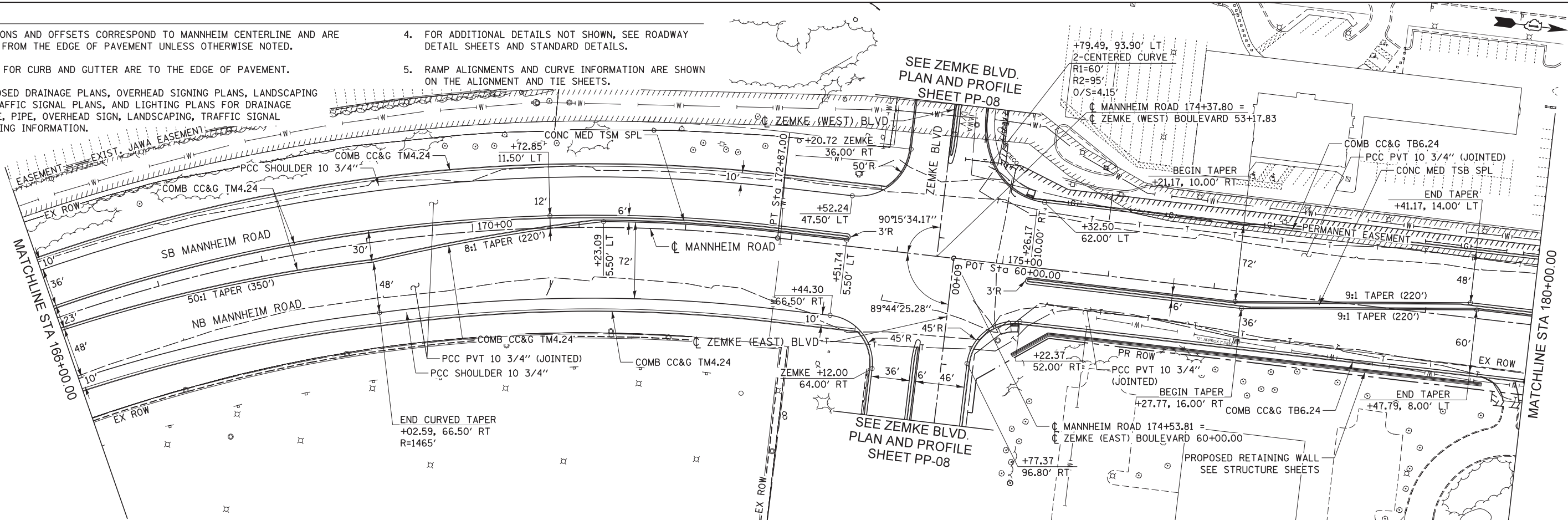
STA. 152+00.00 TO STA. 166+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	63
CONTRACT NO. 60P35				PP-04
ILLINOIS FED. AID PROJECT				

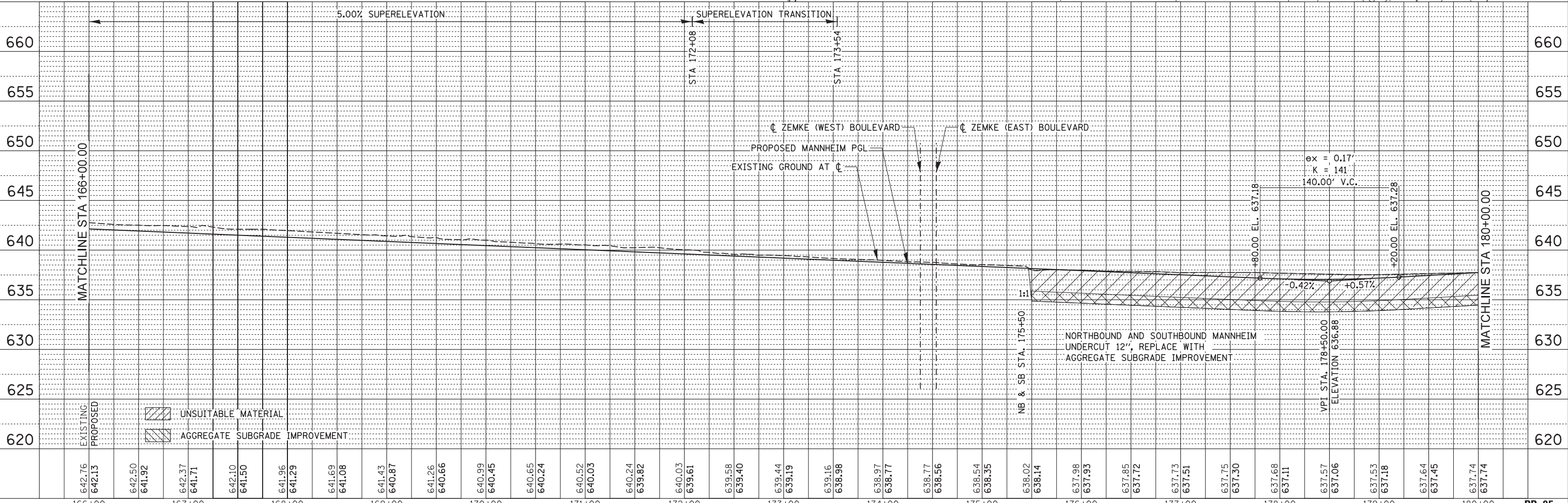
NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.

PLAN	SURVEYED	DATE
	BY	
	NO.	
	CHECKED	
	DATE	
	BY	
	NO.	



PROFILE	SURVEYED	DATE
	BY	
	NO.	
	CHECKED	
	DATE	
	BY	
	NO.	



642.76	642.13	642.50	641.92	642.37	641.71	642.10	641.50	641.96	641.29	641.69	641.08	641.43	640.87	641.26	640.66	640.99	640.45	640.65	640.24	640.52	640.03	640.24	639.82	640.03	639.61	639.58	639.40	639.44	639.19	639.16	638.98	638.97	638.77	638.77	638.56	638.54	638.35	638.02	638.14	637.98	637.93	637.85	637.72	637.73	637.51	637.75	637.30	637.68	637.11	637.57	637.06	637.53	637.18	637.64	637.45	637.74	637.74
166+00	167+00	168+00	169+00	170+00	171+00	172+00	173+00	174+00	175+00	176+00	177+00	178+00	179+00	180+00	PP-05																																										



USER NAME = mksosr	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 50:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET NO. 5 OF 10 SHEETS	STA. 166+00.00 TO STA. 180+00.00
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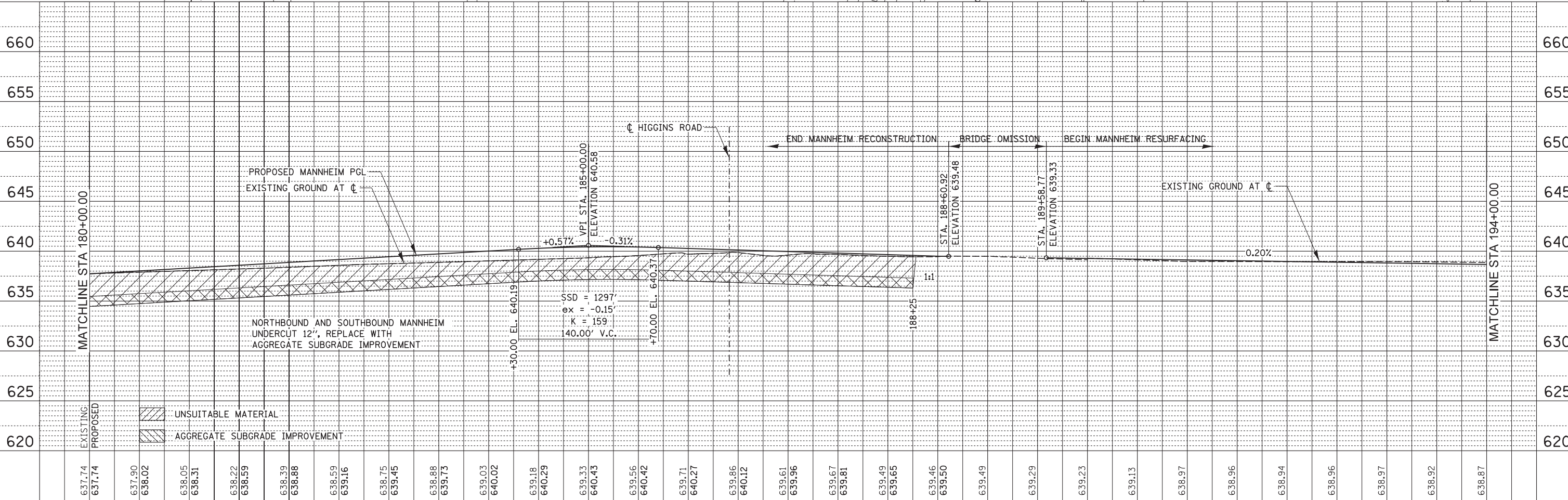
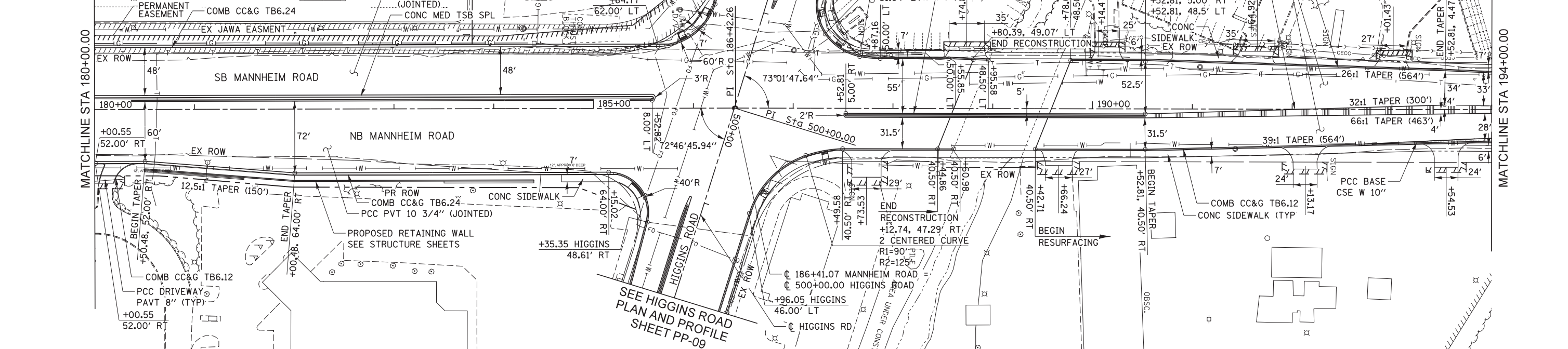
F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 64
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

NOTES:

- ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
- SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
- FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
- RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.
- CONTRACTOR TO VERIFY LOCATION OF EXISTING CONCRETE THRUST BLOCK AND SHEET PILING AT EXISTING NSMJAWA 90" WATER MAIN.

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	



637.74	637.90	638.02	638.05	638.31	638.22	638.59	638.39	638.88	638.59	639.16	638.75	639.45	638.88	639.73	639.03	640.02	639.18	640.29	639.33	640.43	639.56	640.42	639.71	640.27	639.86	640.12	639.61	639.96	639.67	639.81	639.49	639.65	639.46	639.50	639.49	639.29	639.23	639.13	638.97	638.96	638.94	638.96	638.97	638.92	638.87	
180+00	181+00	182+00	183+00	184+00	185+00	186+00	187+00	188+00	189+00	190+00	191+00	192+00	193+00	194+00													PP-06																			



USER NAME = micosir
 DESIGNED LLS/MMK
 DRAWN MMK
 CHECKED LLS
 PLOT DATE = 23-OCT-2012
 DATE 10/19/12

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

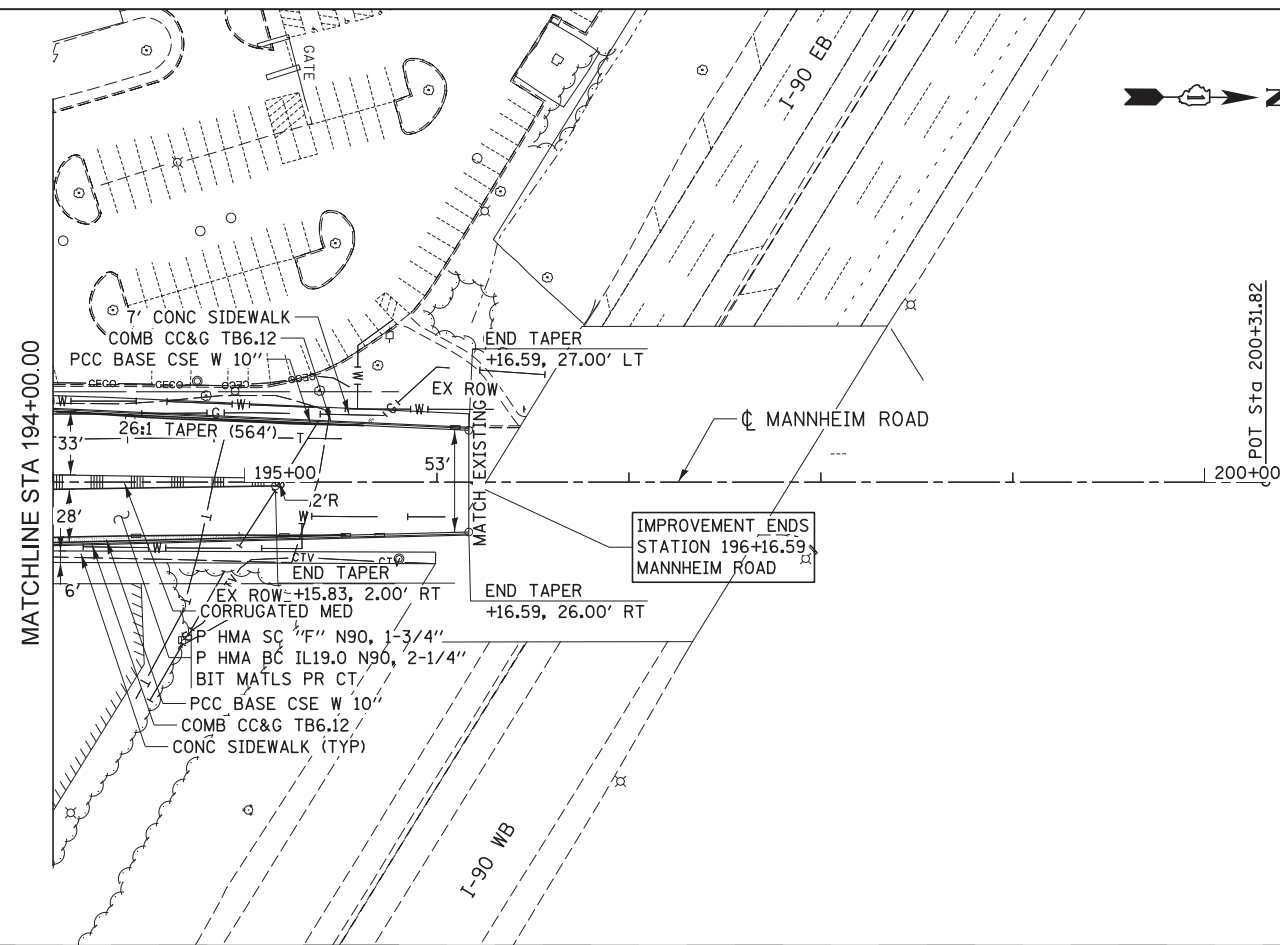
**PLAN AND PROFILE
 MANNHEIM ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	65
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET NO. 6 OF 10 SHEETS STA. 180+00.00 TO STA. 194+00.00

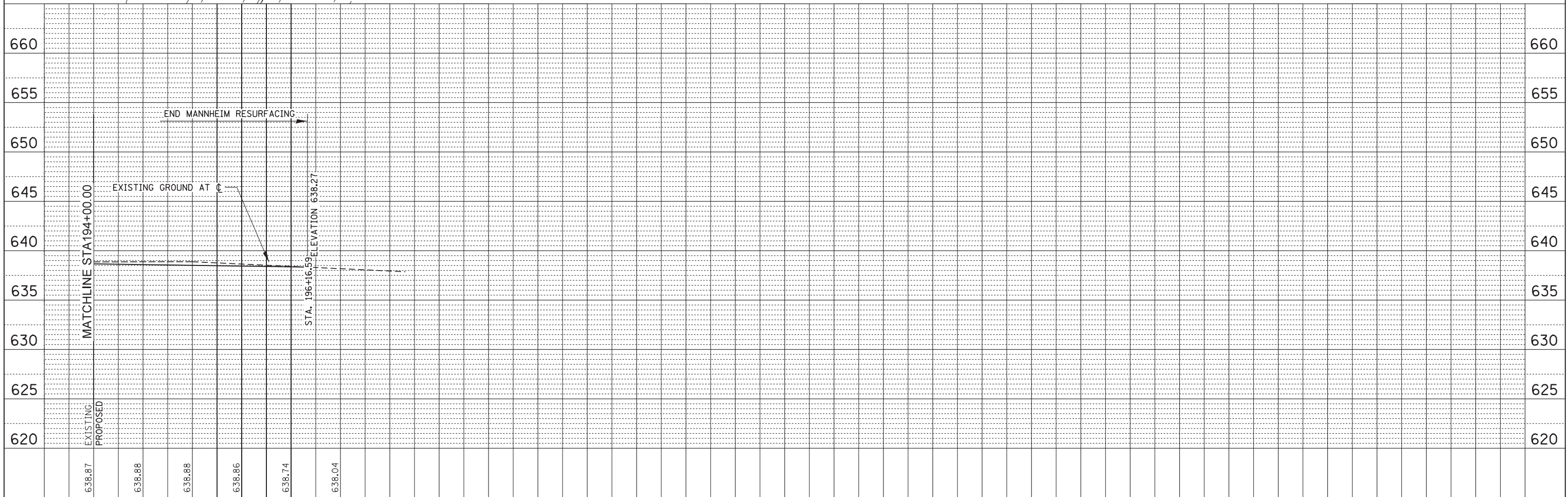
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	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
NOTE BOOK NO.	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
NOTE BOOK NO.	NOTATIONS		



NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.



USER NAME = mksosir
 DRAWN MMK
 CHECKED LLS
 DATE 10/19/12

DESIGNED LLS/MMK
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

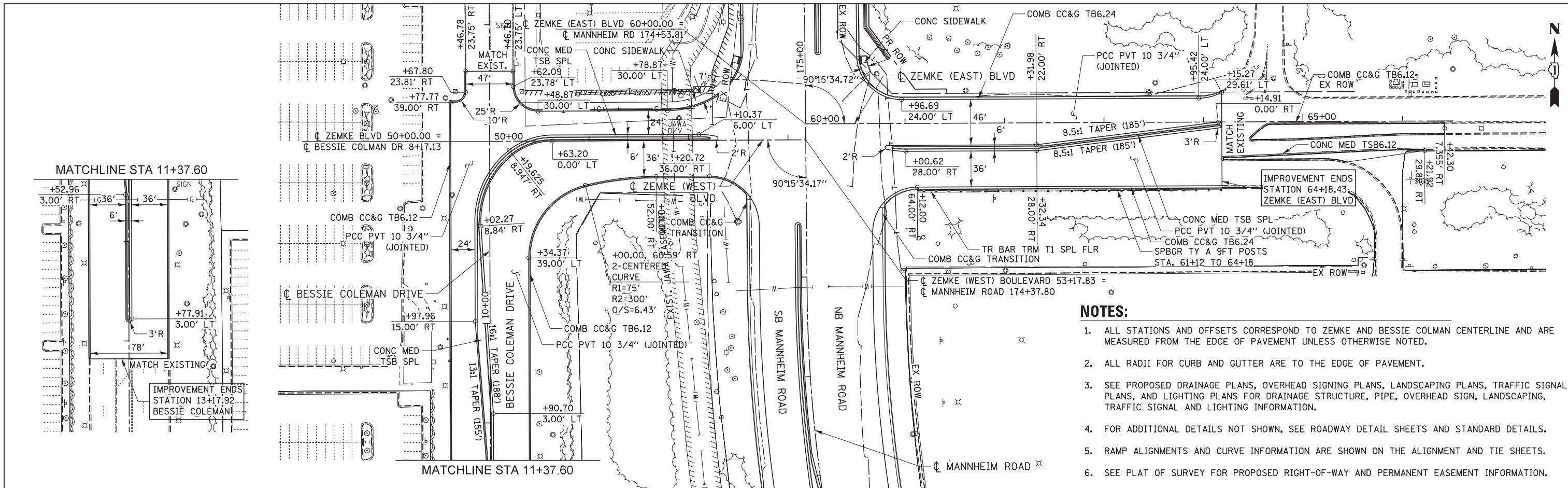
PLAN AND PROFILE
 MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 7 OF 10 SHEETS STA. 194+00.00 TO STA. EOP

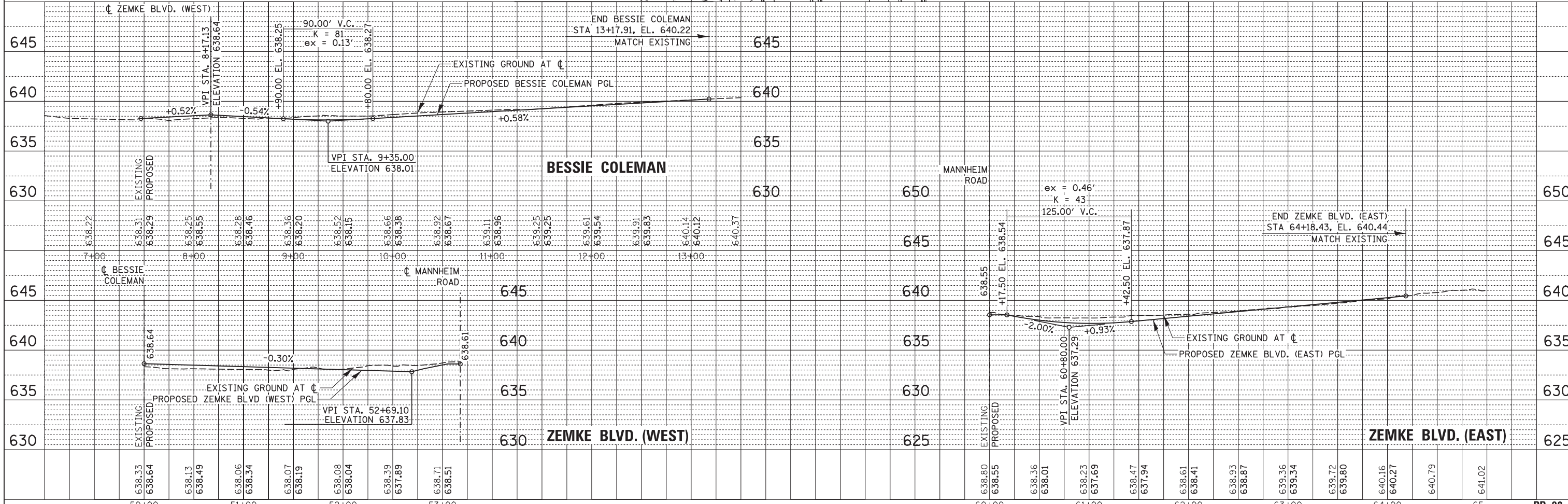
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	66
CONTRACT NO. 60P35				PP-07
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHRD	
	NO.	
	BY	



- NOTES:**
1. ALL STATIONS AND OFFSETS CORRESPOND TO ZEMKE AND BESSIE COLEMAN CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
 2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
 3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
 4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
 5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.
 6. SEE PLAT OF SURVEY FOR PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT INFORMATION.



USER NAME =	mikosir	DESIGNED	LLS/MMK	REVISED	-
		DRAWN	MMK	REVISED	-
PLOT SCALE =	50ft	CHECKED	LLS	REVISED	-
PLOT DATE =	23-OCT-2012	DATE	10/19/12	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
ZEMKE BOULEVARD

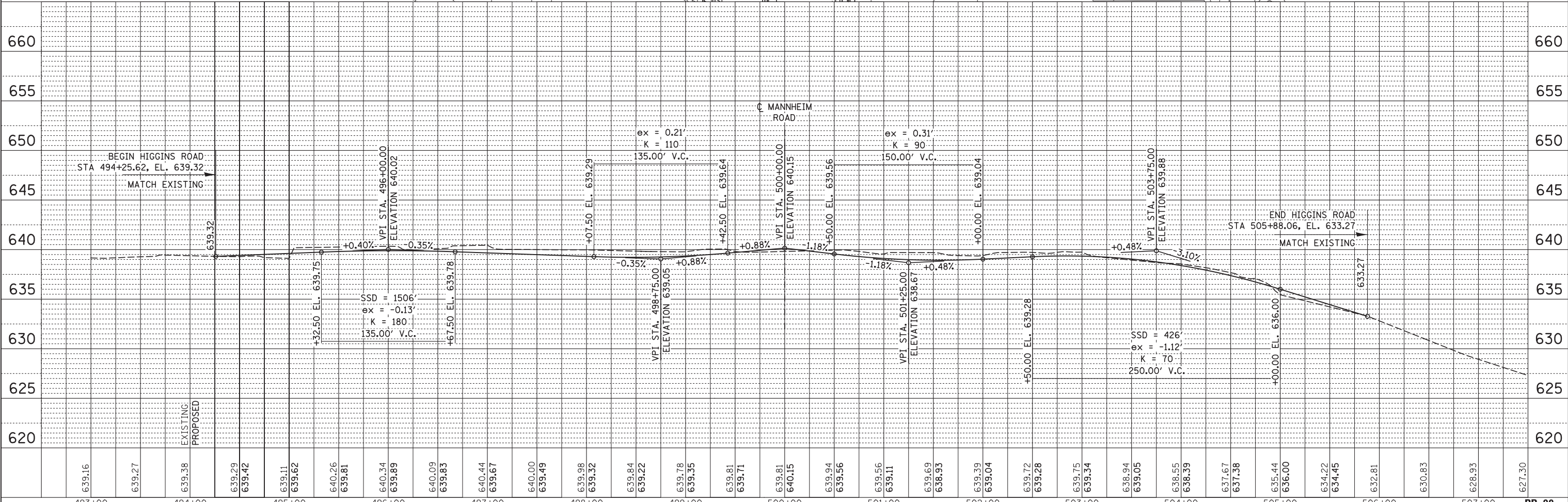
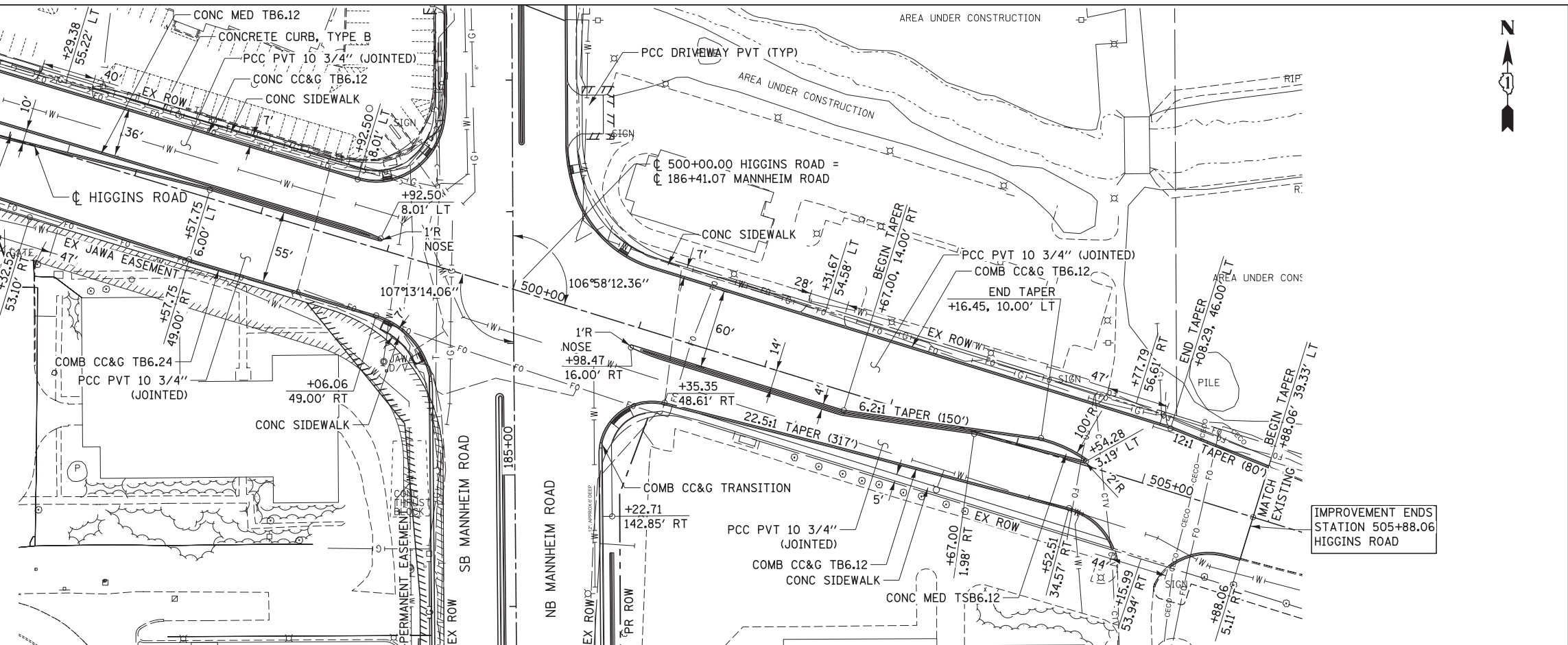
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	67
CONTRACT NO. 60P35				

SCALE: 1" = 50' SHEET NO. 8 OF 10 SHEETS STA. BOP TO STA. EOP

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	CARD FILE NAME	

- NOTES:**
1. ALL STATIONS AND OFFSETS CORRESPOND TO HIGGINS CENTERLINE AND ARE MEASURED FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
 2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
 3. SEE PROPOSED DRAINAGE PLANS, OVERHEAD SIGNING PLANS, LANDSCAPING PLANS, TRAFFIC SIGNAL PLANS, AND LIGHTING PLANS FOR DRAINAGE STRUCTURE, PIPE, OVERHEAD SIGN, LANDSCAPING, TRAFFIC SIGNAL AND LIGHTING INFORMATION.
 4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.
 5. RAMP ALIGNMENTS AND CURVE INFORMATION ARE SHOWN ON THE ALIGNMENT AND TIE SHEETS.
 6. SEE PLAT OF SURVEY FOR PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT INFORMATION.
 7. CONTRACTOR TO VERIFY LOCATION OF EXISTING CONCRETE THRUST BLOCK AND SHEET PILING AT EXISTING NSMJAWA 90" WATER MAIN.



USER NAME = mikosir
 DESIGNED LLS/MMK
 DRAWN MMK
 CHECKED LLS
 DATE 10/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

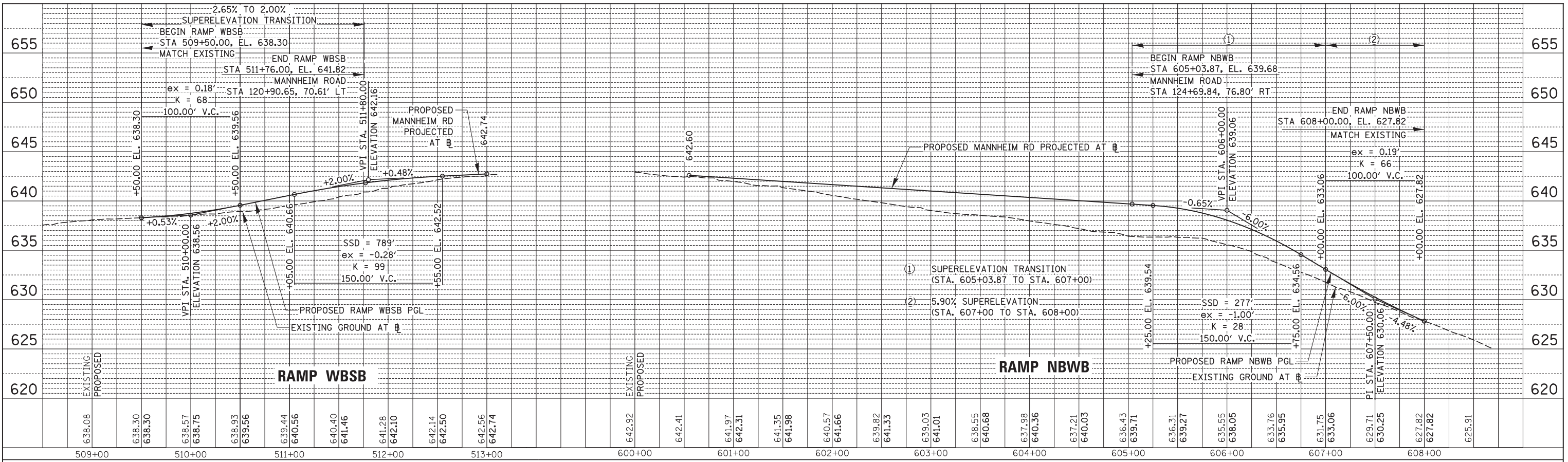
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 HIGGINS ROAD

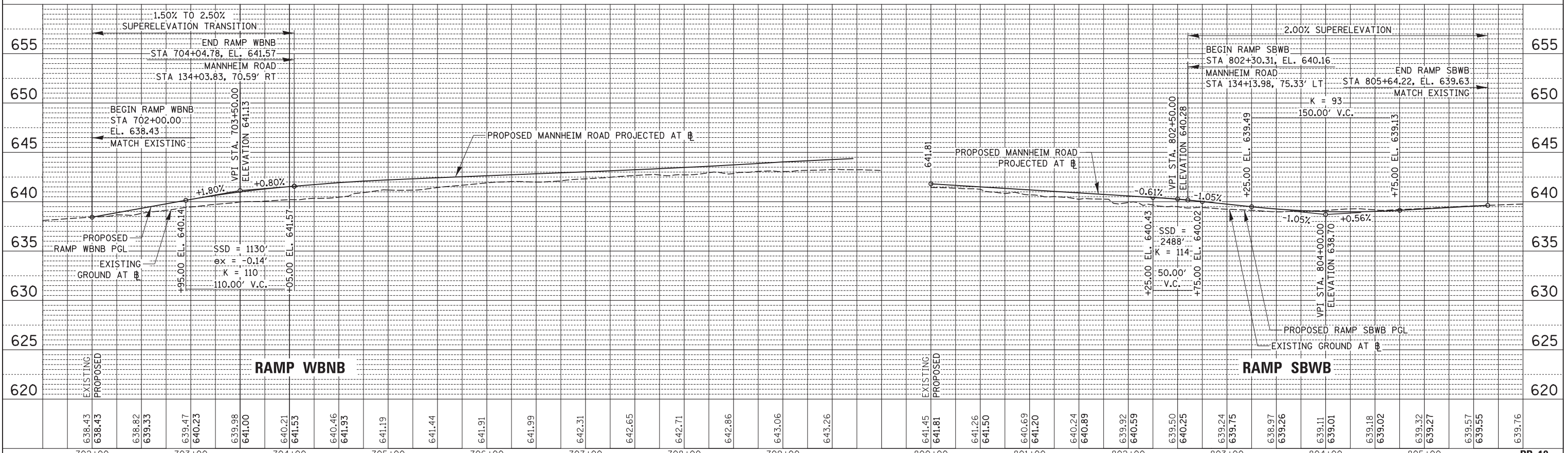
SCALE: 1" = 50' SHEET NO. 9 OF 10 SHEETS STA. BOP TO STA. EOP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	68
CONTRACT NO. 60P35				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.	CHECKED		
	FILED		
	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.	CHECKED		
	FILED		
	CARD FILE NAME		



USER NAME = mkosir
 PLOT SCALE = 50:1
 PLOT DATE = 23-OCT-2012

DESIGNED LLS/MMK
 DRAWN MMK
 CHECKED LLS
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE
 RAMPS
 SCALE: SHEET NO. 10 OF 10 SHEETS STA. TO STA.

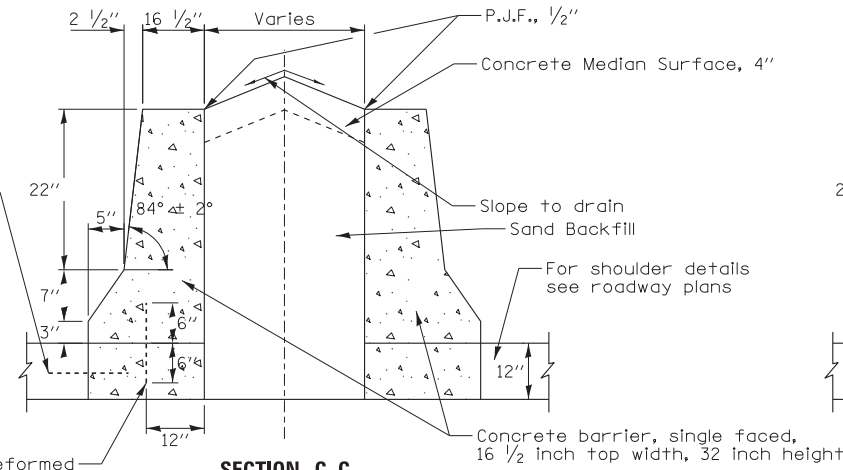
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	69
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60P35

NOTES

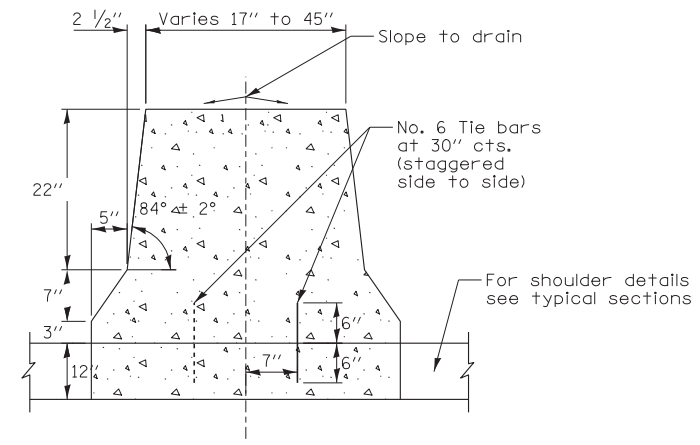
For ITS conduit details, see ITS plans.
For lighting conduit details, see Lighting plans.

Optional construction joint:
No. 8 deformed epoxy coated tie bar, 30" long, 24" c-c drill & grout in place (Included in cost of "CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT")

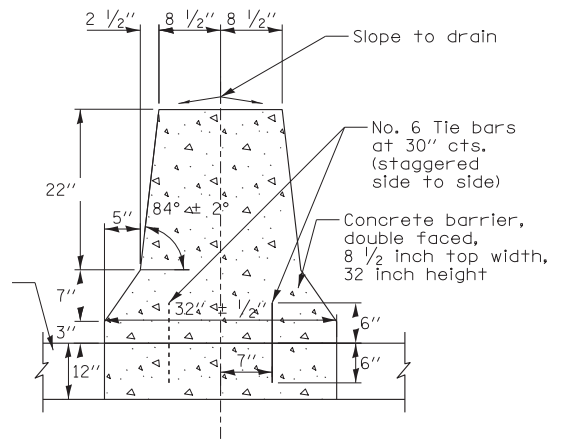
No. 6 deformed epoxy coated tie bar, 12" long @ 15" c-c drill & grout in place (Included in the cost of barrier base)



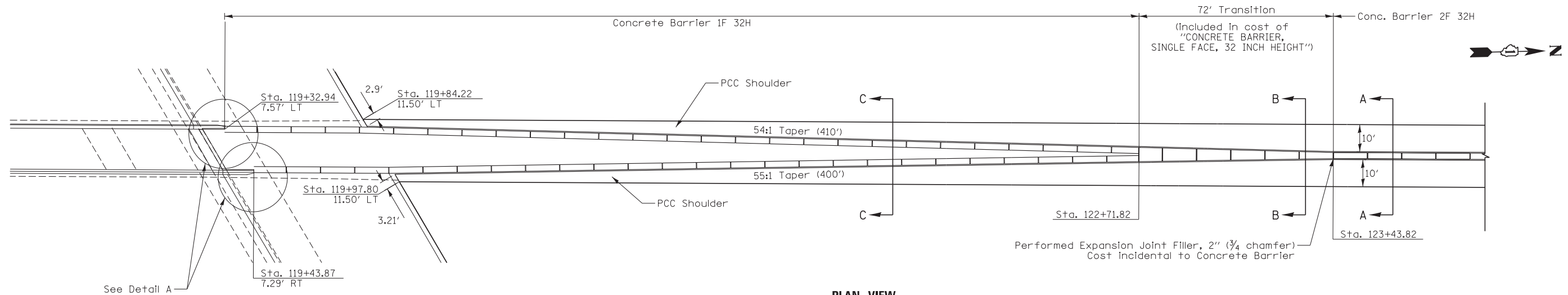
**SECTION C-C
CONCRETE BARRIER SINGLE FACE, 32H
AND CONCRETE SURFACE**



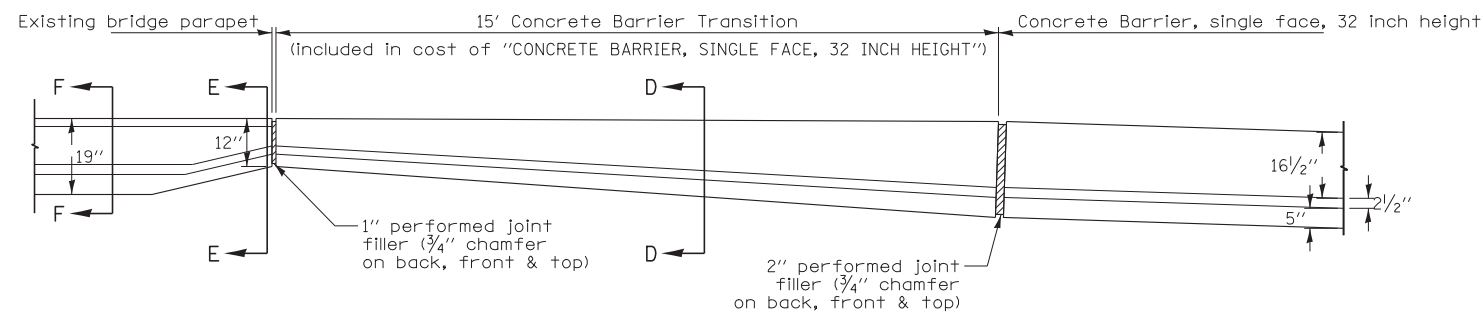
**SECTION B-B
CONCRETE BARRIER
TRANSITION**



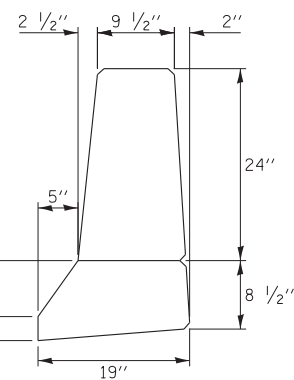
**SECTION A-A
CONCRETE BARRIER
DOUBLE FACE, 32 INCH HEIGHT**



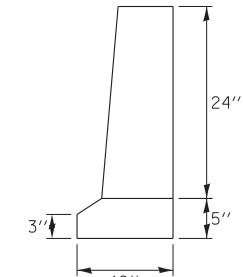
**PLAN VIEW
CONCRETE BARRIER TRANSITION**



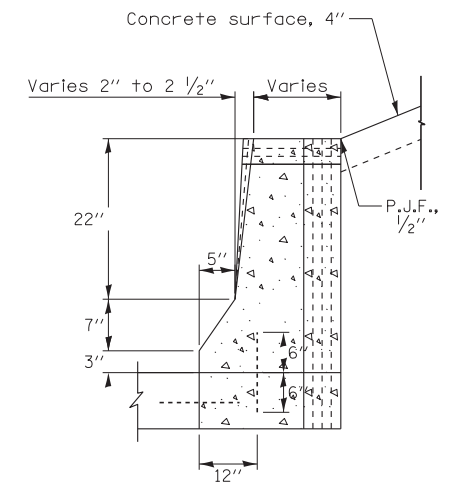
**DETAIL A
PLAN VIEW**



**SECTION F-F
PARAPET**



**SECTION E-E
PARAPET**



**SECTION D-D
CONCRETE BARRIER TRANSITION**



USER NAME = micosir
DRAWN MMK
CHECKED LLS
PLOT DATE = 23-OCT-2012

DESIGNED LLS/MMK
DATE 10/19/12

REVISED -
REVISED -
REVISED -
REVISED -

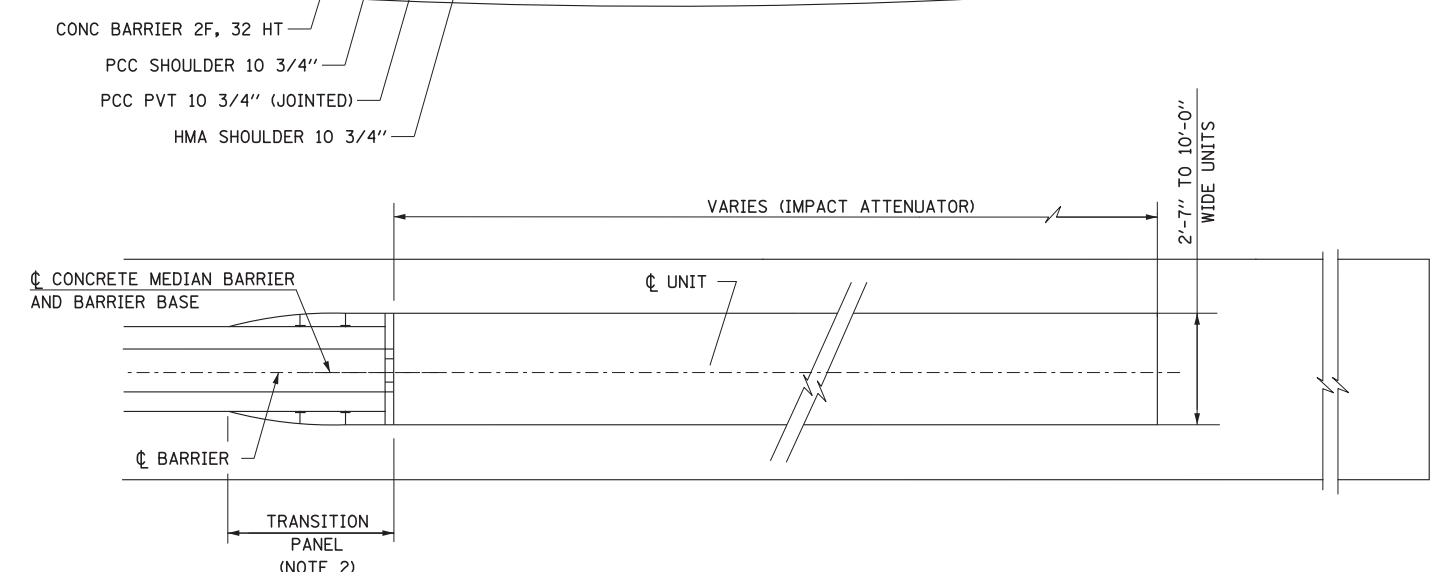
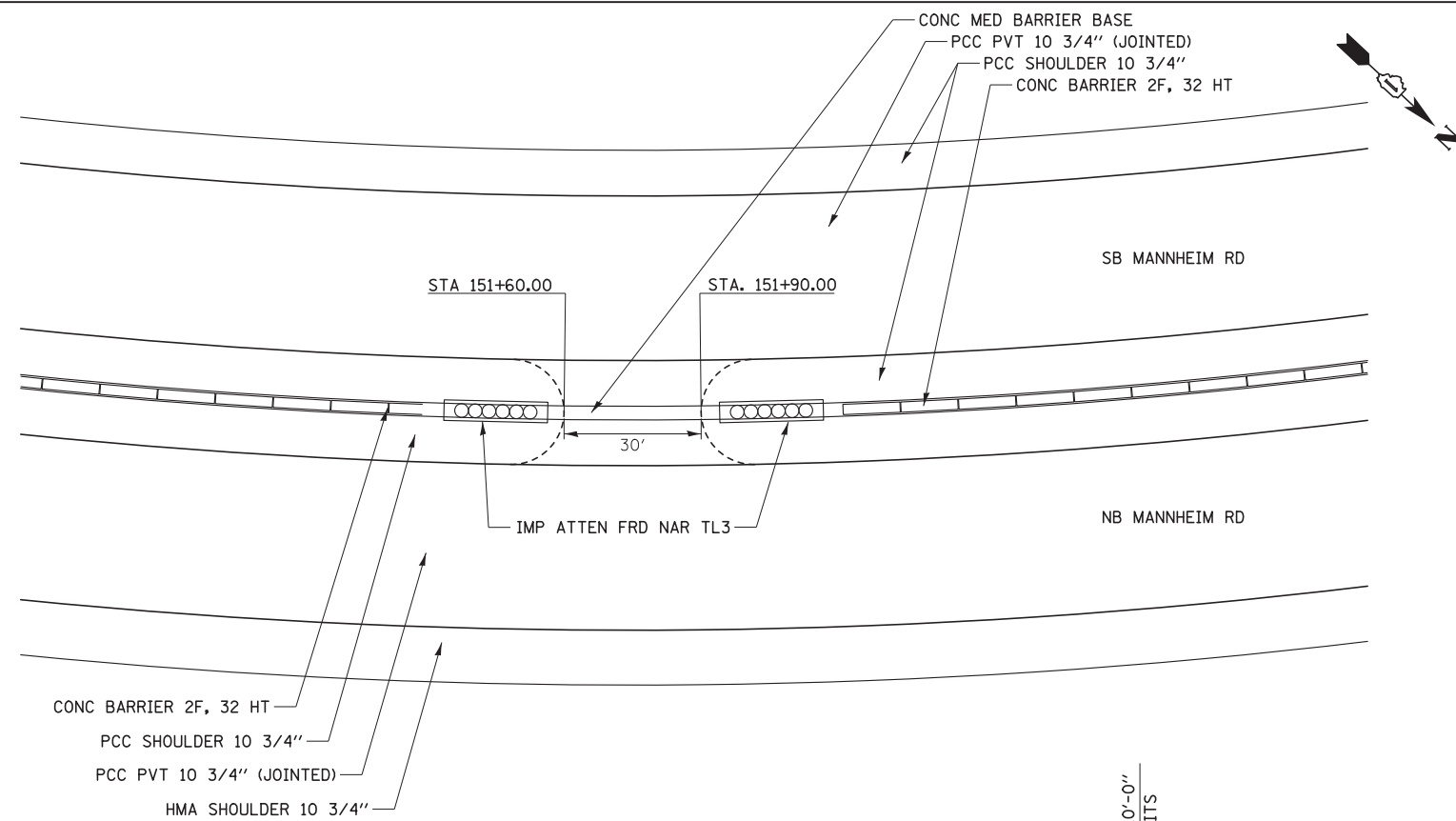
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS
CONCRETE BARRIER TRANSITION

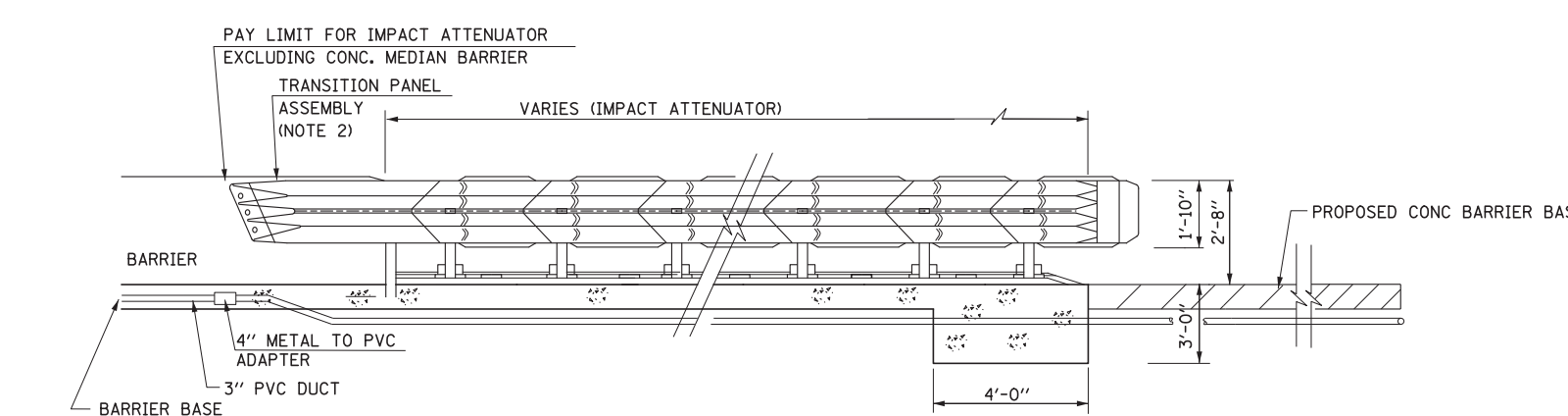
SCALE: 1" = 20' SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	70
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

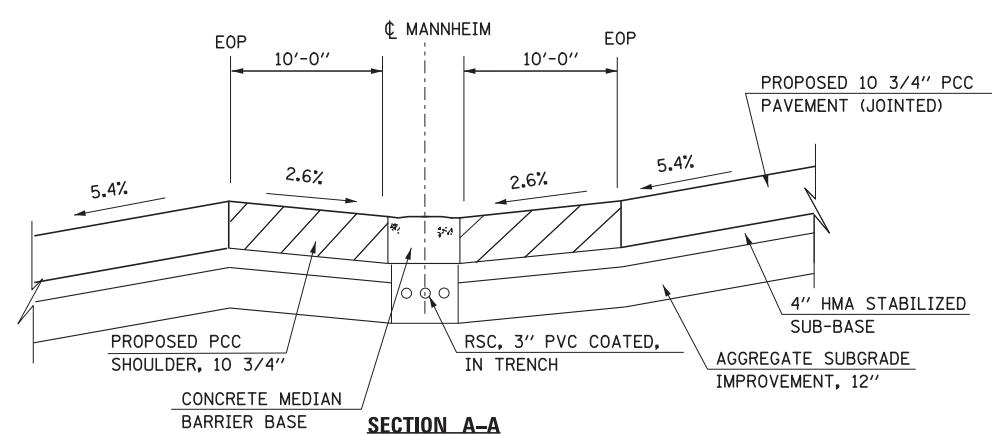
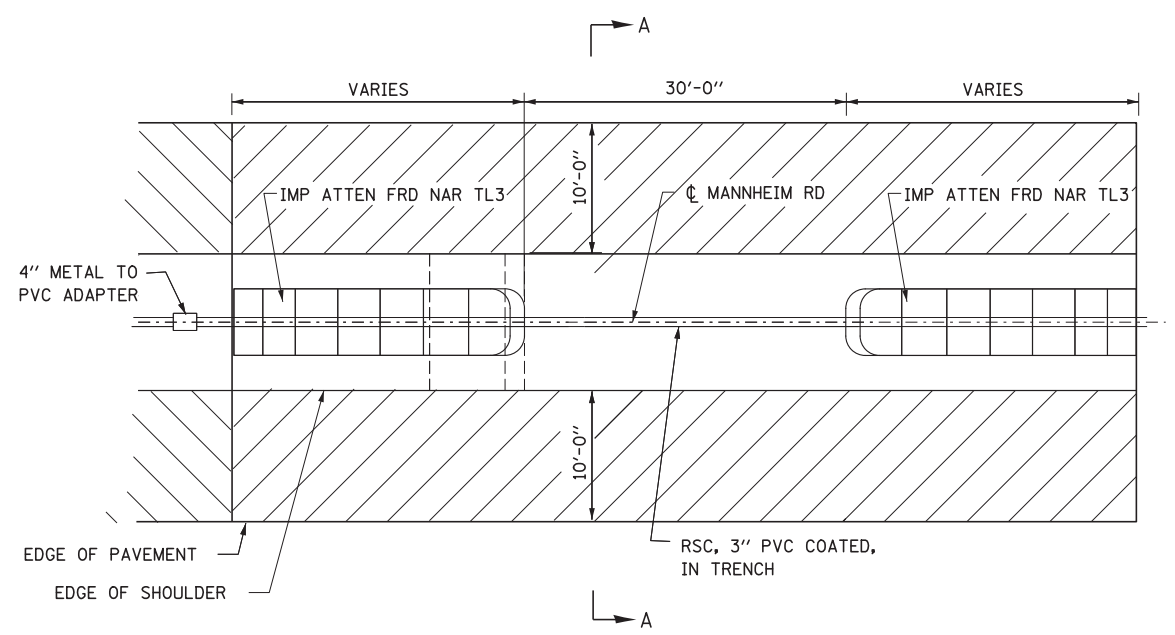
PD-01



PLAN



ELEVATION
IMPACT ATTENUATOR



SECTION A-A

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL, SHOP DRAWINGS AND DETAILED INSTALLATION DRAWINGS THAT ACCURATELY DEPICT ALL DETAILS NECESSARY FOR COMPLETING THE INSTALLATION. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
2. TRANSITION PANEL INCLUDED IN COST OF ATTENUATOR.



USER NAME = mkosir
 PLOT SCALE = 20:1
 PLOT DATE = 23-OCT-2012

DESIGNED LLS/MMK
 DRAWN MMK
 CHECKED LLS
 DATE 10/19/12

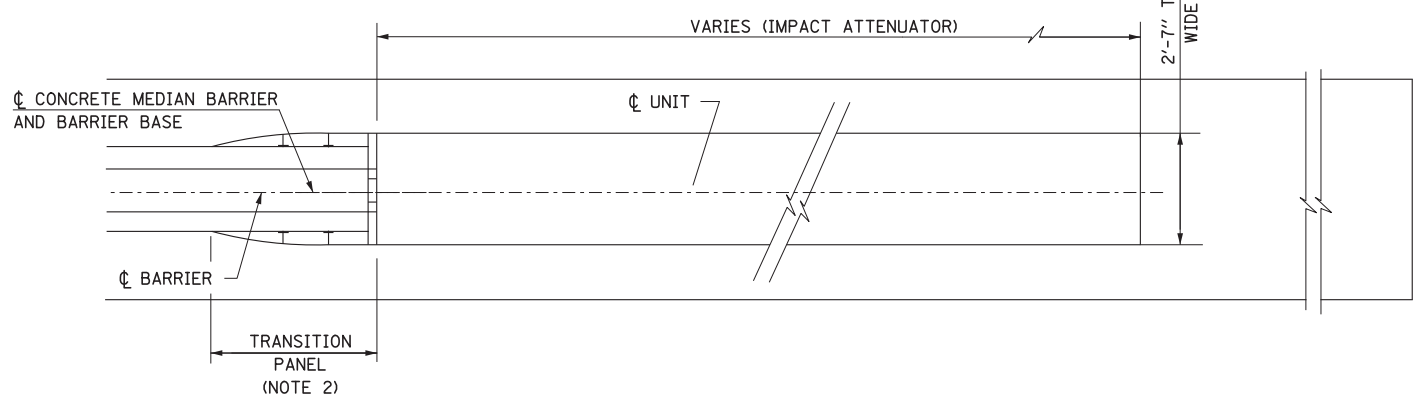
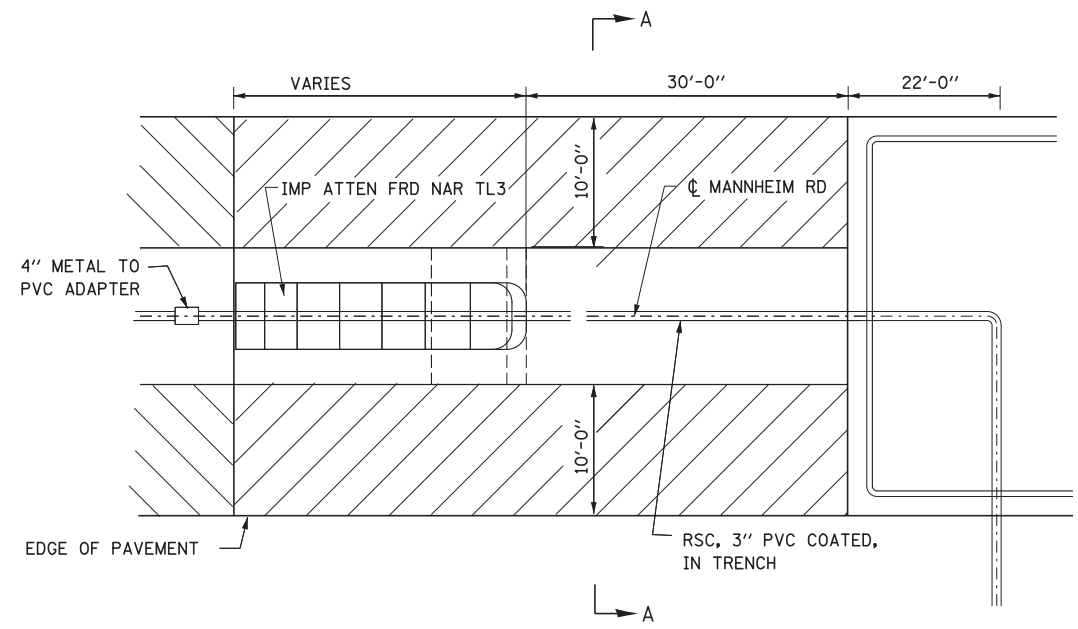
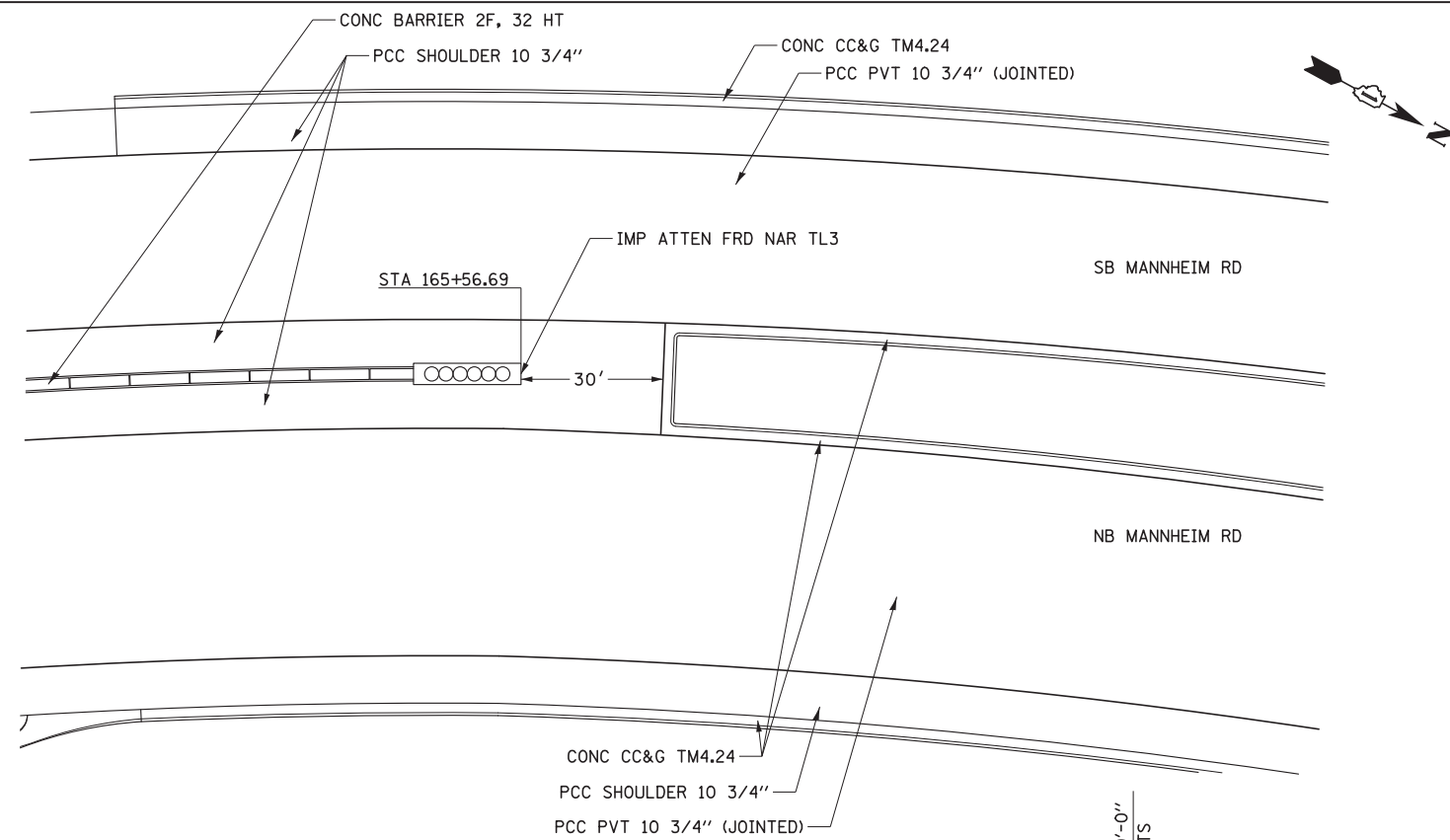
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

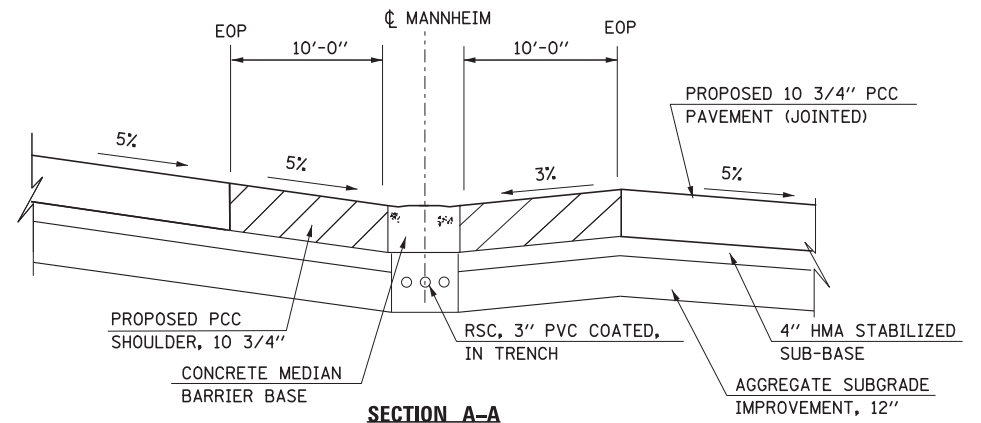
ROADWAY DETAILS
 PERMANENT MEDIAN CROSSOVER

SCALE: 1" = 20' SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	71
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



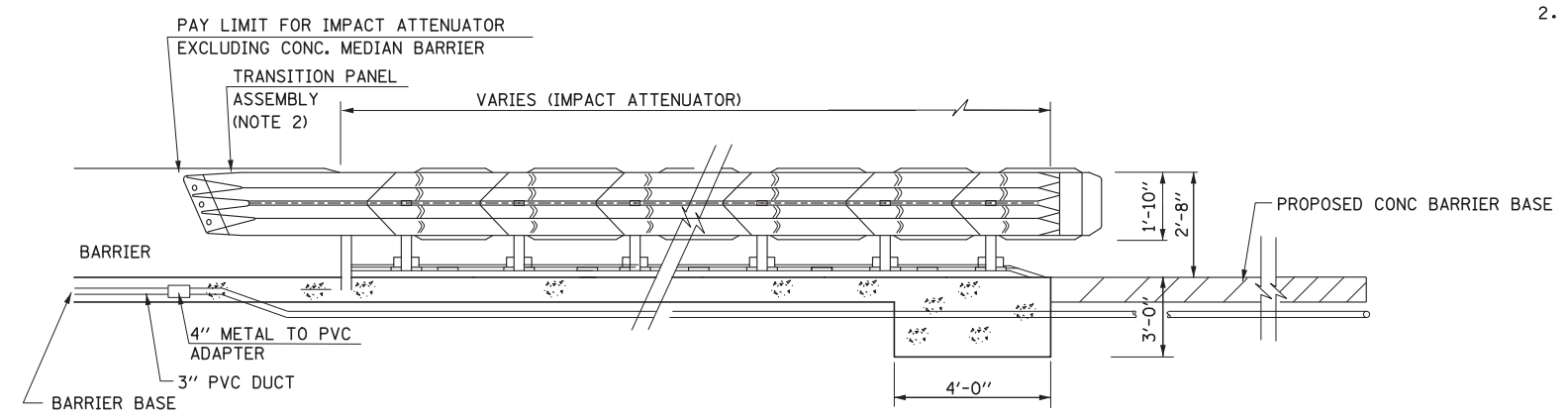
PLAN



SECTION A-A

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL, SHOP DRAWINGS AND DETAILED INSTALLATION DRAWINGS THAT ACCURATELY DEPICT ALL DETAILS NECESSARY FOR COMPLETING THE INSTALLATION. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
2. TRANSITION PANEL INCLUDED IN COST OF ATTENUATOR.



**ELEVATION
IMPACT ATTENUATOR**



USER NAME = micosir	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 20:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

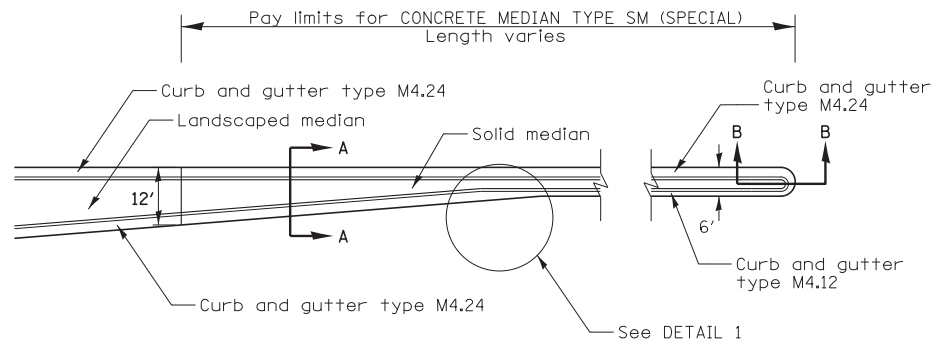
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DETAILS
IMPACT ATTENUATOR**

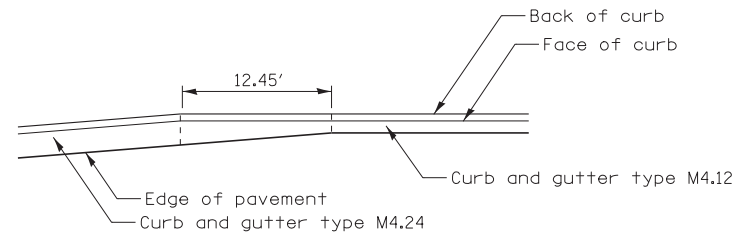
SCALE: 1" = 20' SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	72
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

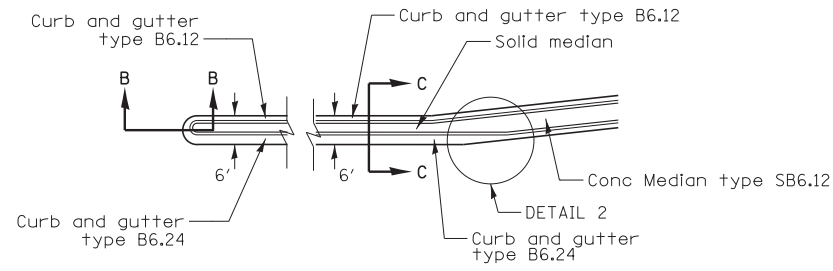
PD-03



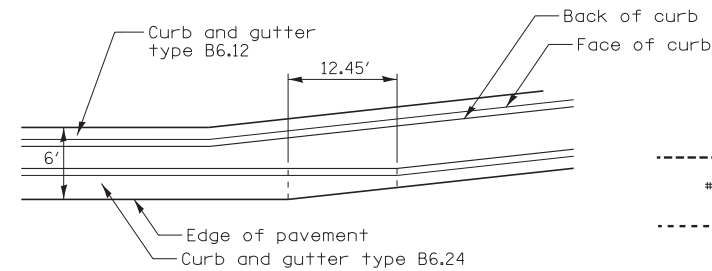
**PLAN
CONCRETE MEDIAN TYPE SM (SPECIAL)**
STA. 170+72.85 to STA. 173+51.74



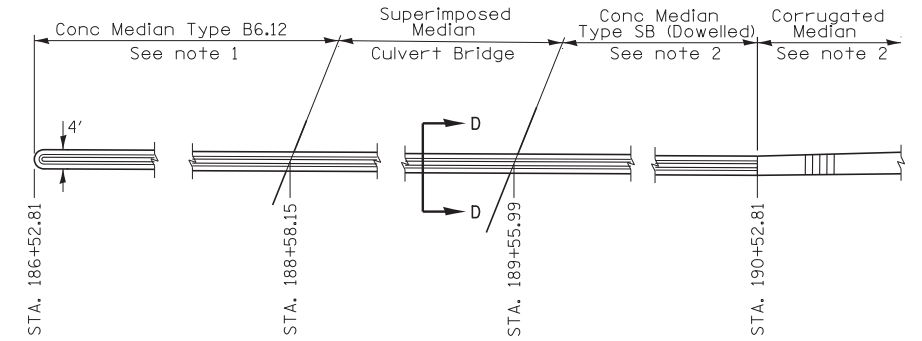
DETAIL 1



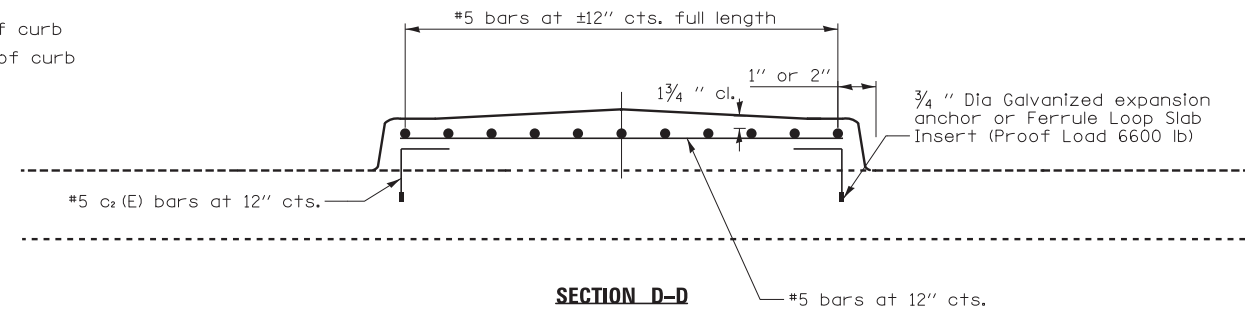
**PLAN
CONCRETE MEDIAN TYPE SB (SPECIAL)**
STA. 175+26.17 to STA. 177+27.77
STA. 179+41.17 to STA. 185+47.78



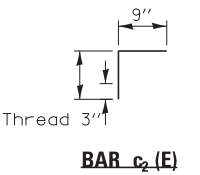
DETAIL 2



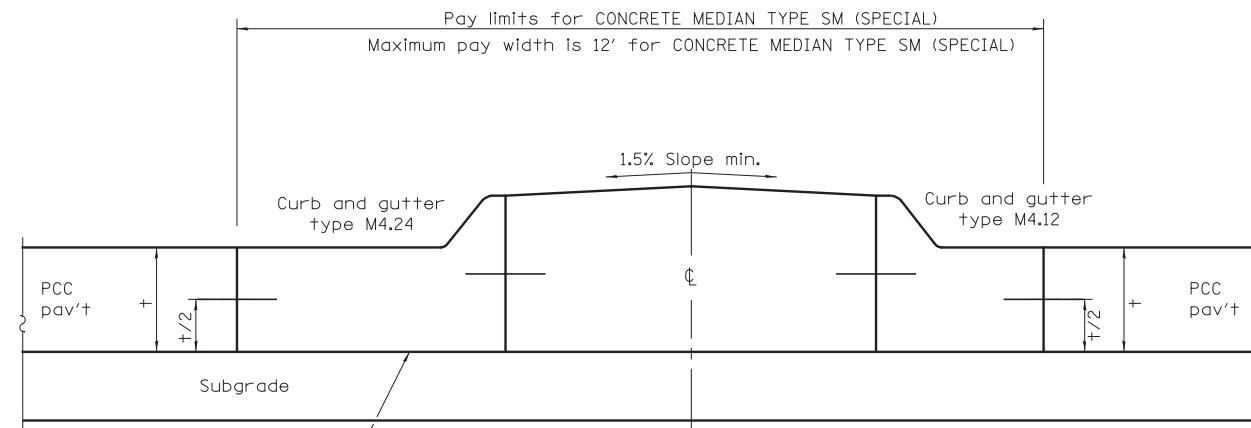
**PLAN
CONCRETE MEDIAN**
STA. 186+52.81 to STA. 195+17.83



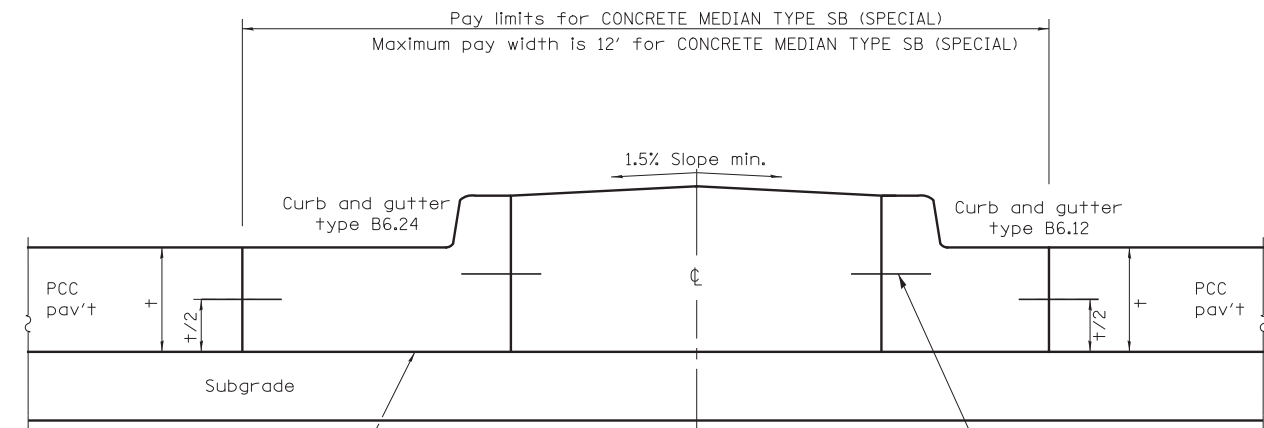
SECTION D-D



BAR c2 (E)



SECTION A-A

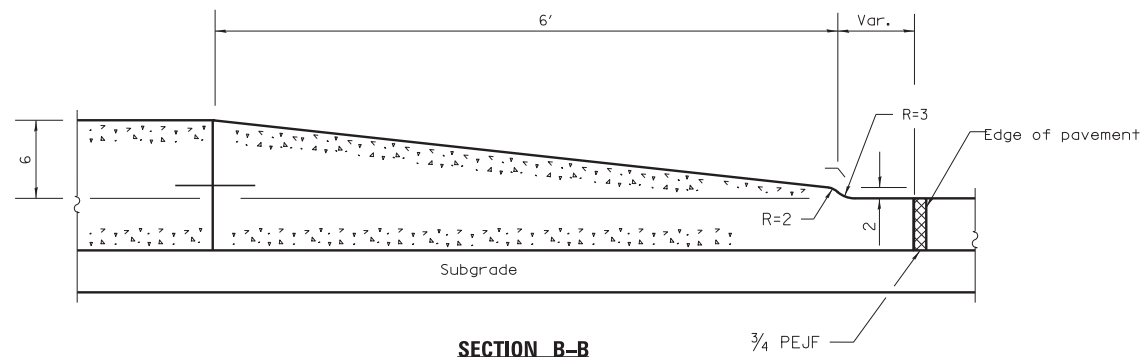


SECTION C-C

Same slope as subbase or gutter flag

Same slope as subbase or gutter flag

No. 6 Tie bars at 30" cts. (staggered side to side) (typ)



SECTION B-B

NOTES:

1. See IDOT standard 606001.
2. See District 1 standard BD-05.

GENERAL NOTES

- PEJF = Preformed expansion joint filler.
- Median layout and radii shall be as shown on the plans.
- See Standard 420001 and 606001 for details not shown.
- 3/4 PEJF conforming to the full cross section of the curb, gutter and median surface.
- t = Pavement thickness.
- All dimensions are in inches unless otherwise shown.



USER NAME = mkosir
DRAWN = MMK
CHECKED = LLS
PLOT DATE = 23-OCT-2012

DESIGNED = LLS/MMK
DATE = 10/19/12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS
CONCRETE MEDIAN TYPE SB AND SM (SPECIAL)

SCALE: N.T.S. SHEET NO. 4 OF 7 SHEETS STA. TO STA.

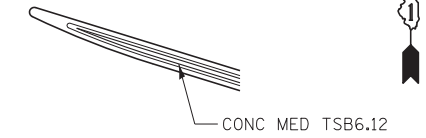
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	73
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

PD-04



GENERAL NOTES

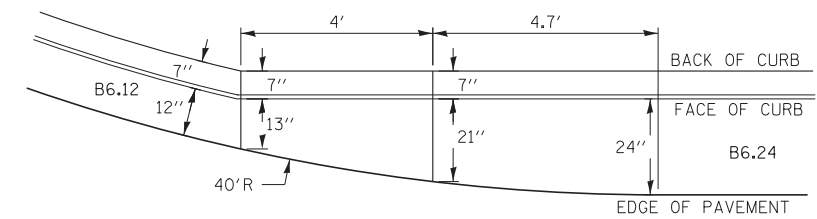
Concrete curb and gutter transitions included in the cost of the mainline concrete curb and gutter pay item.



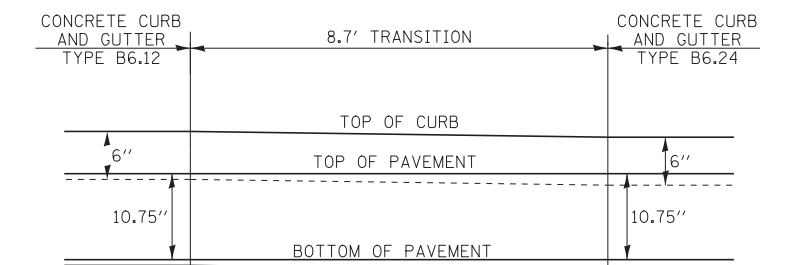
EB HIGGINS RD



**PLAN
SE CORNER OF HIGGINS RD**

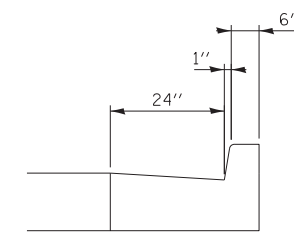


PLAN

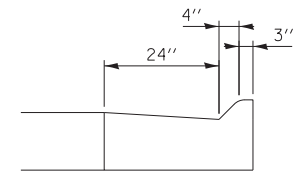


ELEVATION

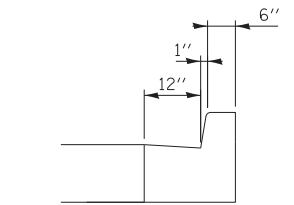
**DETAIL 3
CC&G TRANSITION TB6.24 TO TB6.12**



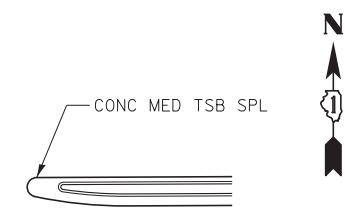
CC&G TB6.24



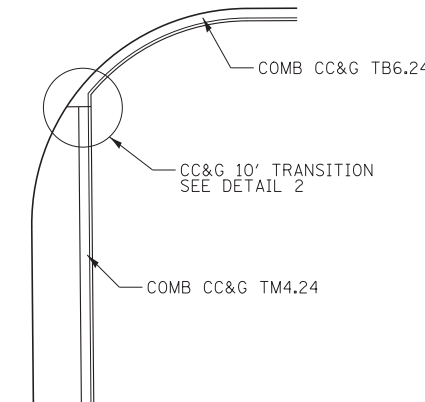
CC&G TM4.24



CC&G TB6.12

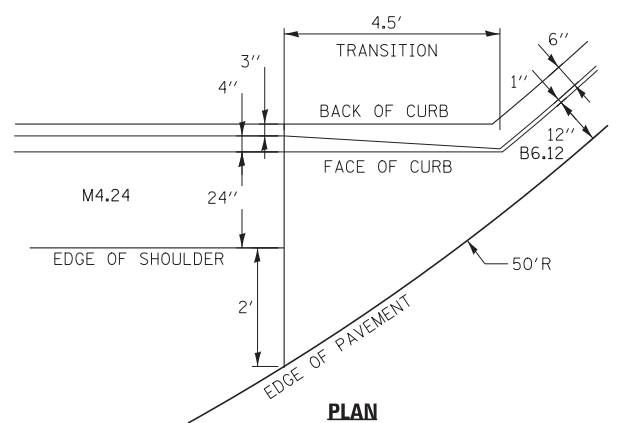
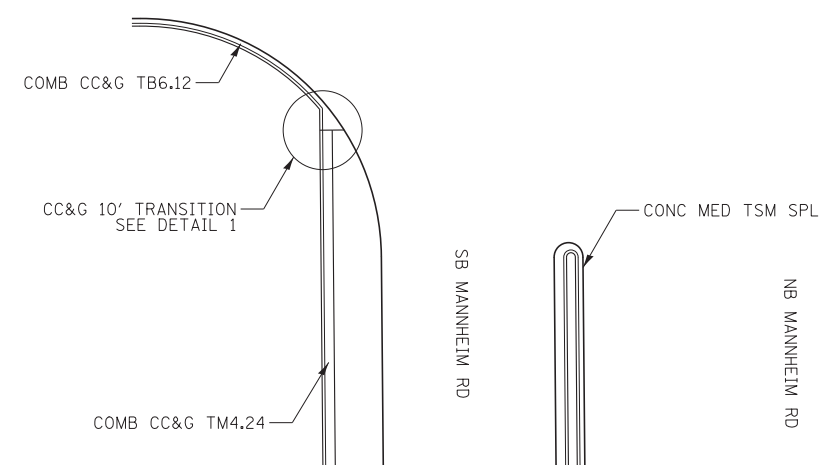


EB ZEMKE BLVD

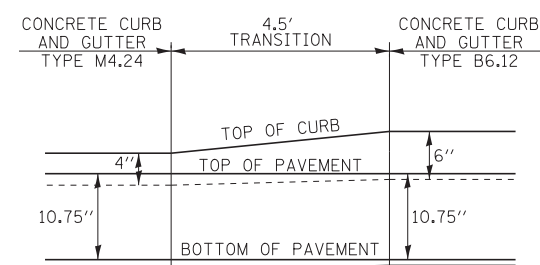


**PLAN
ZEMKE BLVD**

WB ZEMKE BLVD

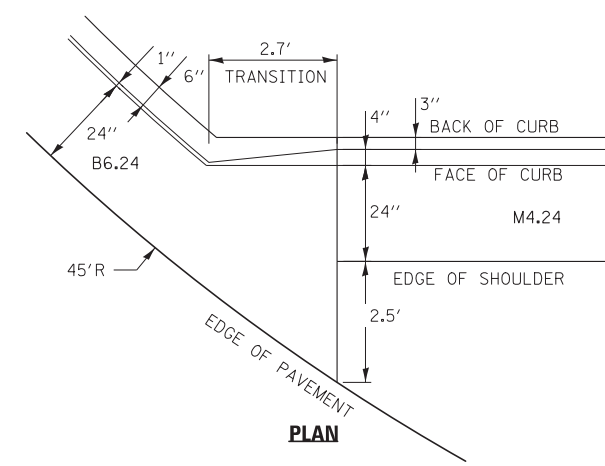


PLAN

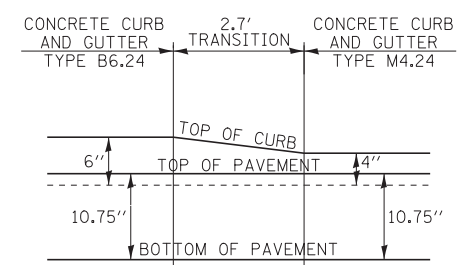


ELEVATION

**DETAIL 1
CC&G TRANSITION TM4.24 TO TB6.12**



PLAN



ELEVATION

**DETAIL 2
CC&G TRANSITION TM4.24 TO TB6.24**



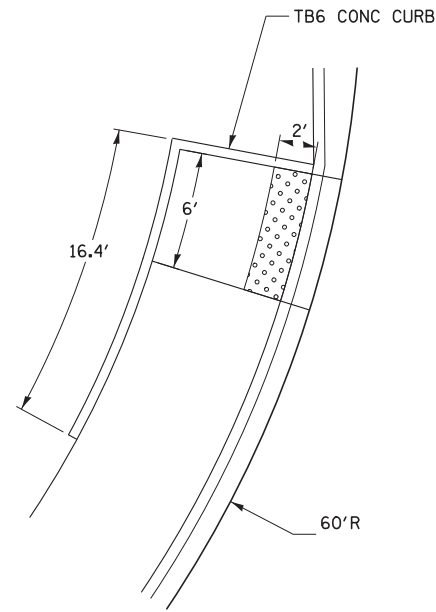
USER NAME = mko31r	DESIGNED LLS/MMK	REVISED -
PLOT SCALE = 20:1	DRAWN MMK	REVISED -
PLOT DATE = 23-OCT-2012	CHECKED LLS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

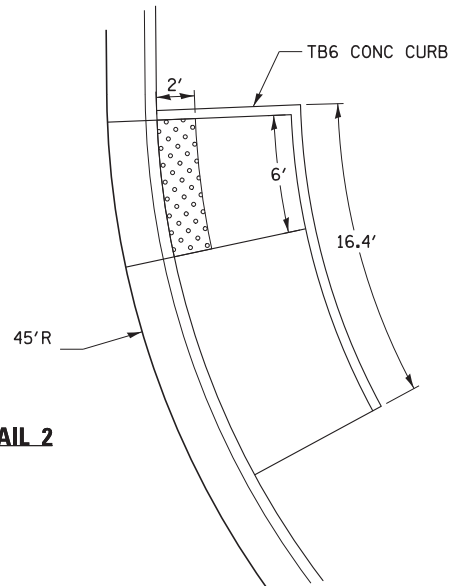
ROADWAY DETAILS
COMBINATION CONCRETE CURB AND GUTTER TRANSITION

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 74
CONTRACT NO. 60P35				ILLINOIS FED. AID PROJECT

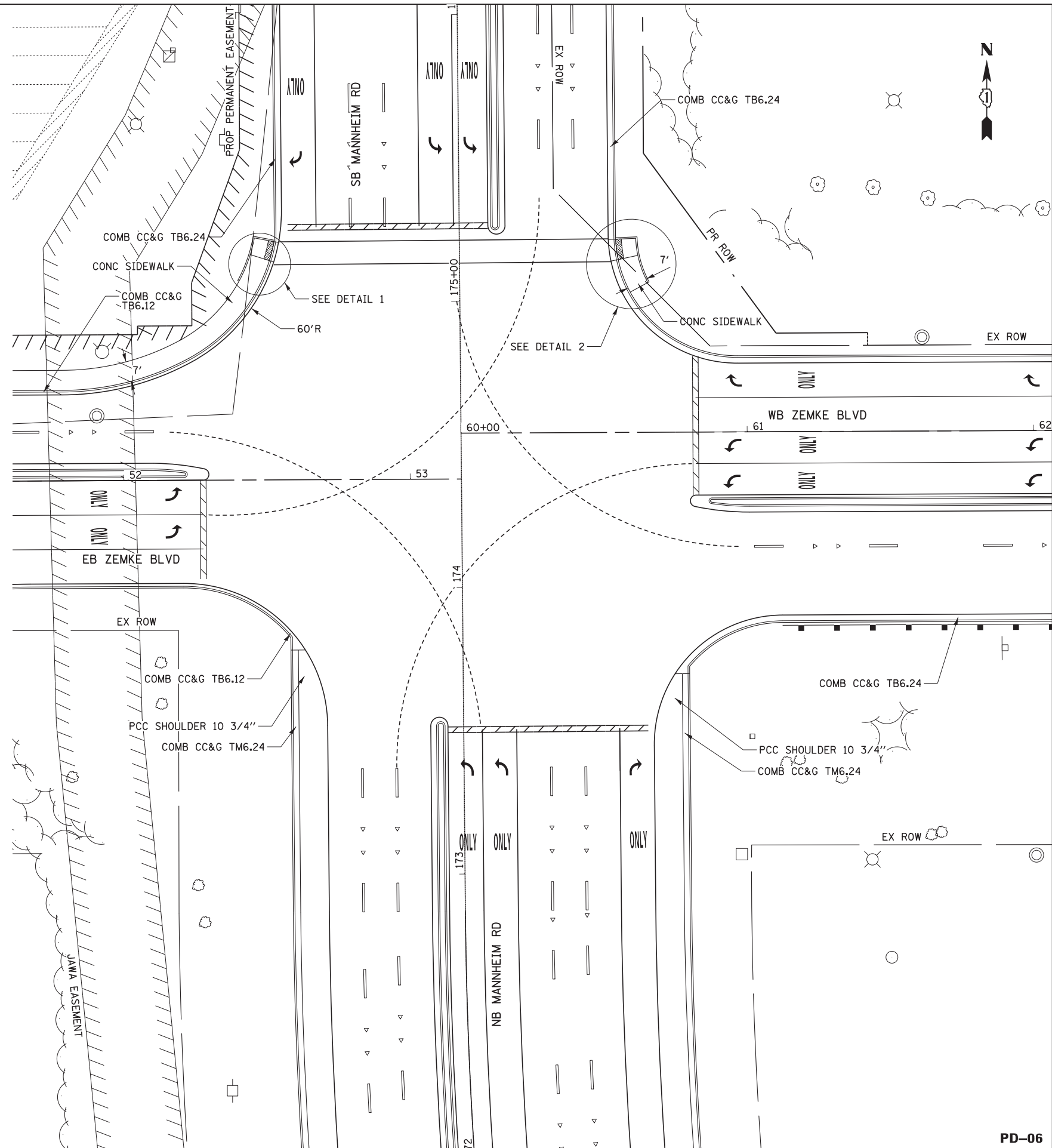
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DETAIL 1



DETAIL 2



USER NAME = mko31r	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 20:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

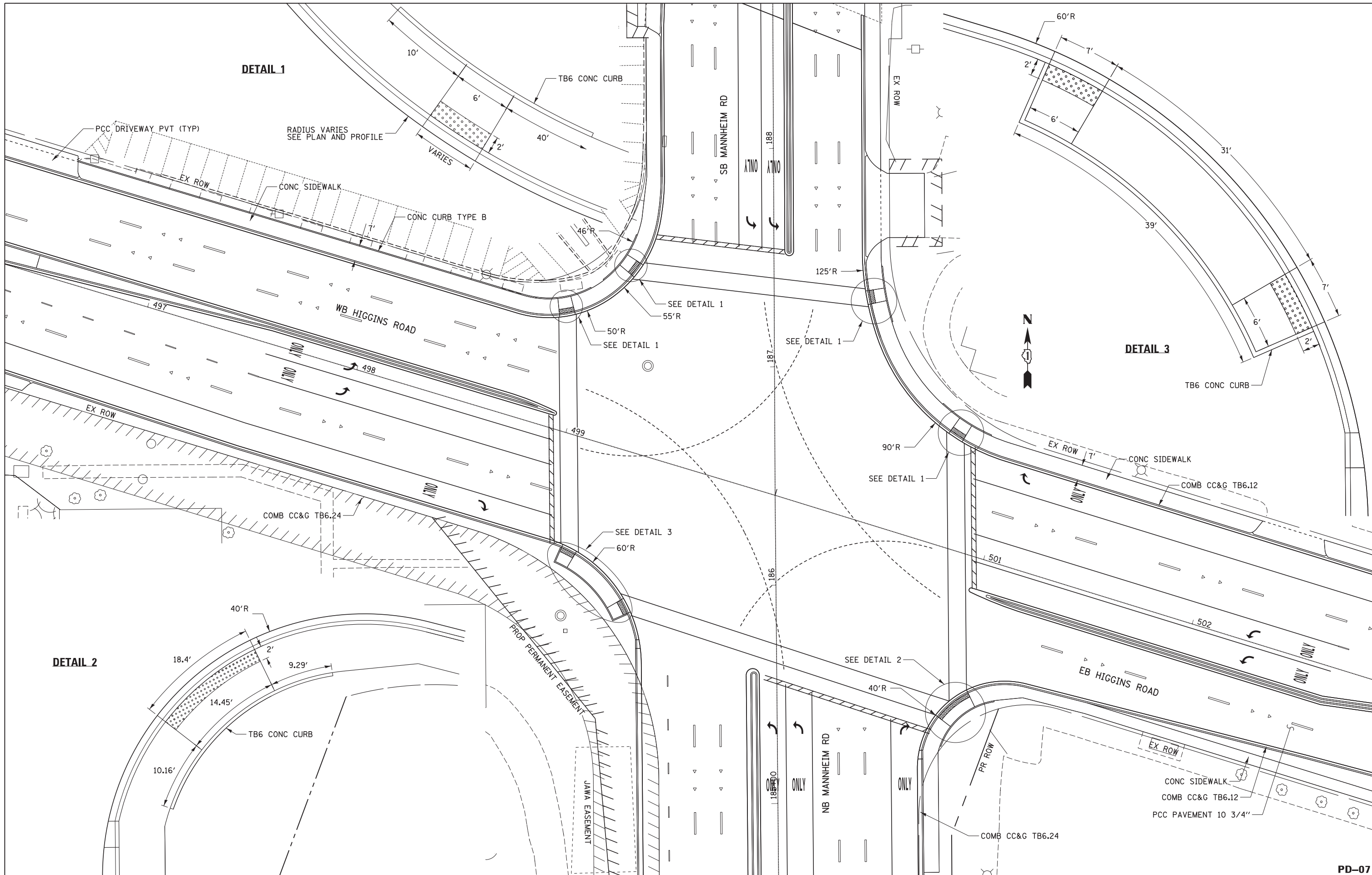
ROADWAY DETAILS
ZEMKE BLVD PEDESTRIAN RAMP

SCALE: 1" = 20' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	75
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

PD-06

FILE NAME = IP_PWP\dms47849\DI60P35-shd-details06.dgn



USER NAME = mkostr	DESIGNED LLS/MMK	REVISED -
DRAWN MMK	REVISIED -	
PLOT SCALE = 20:1	CHECKED LLS	REVISED -
PLOT DATE = 23-OCT-2012	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DETAILS
HIGGINS ROAD PEDESTRIAN RAMP**




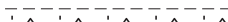
SCALE: 1" = 20' SHEET NO. 7 OF 7 SHEETS STA. TO STA.

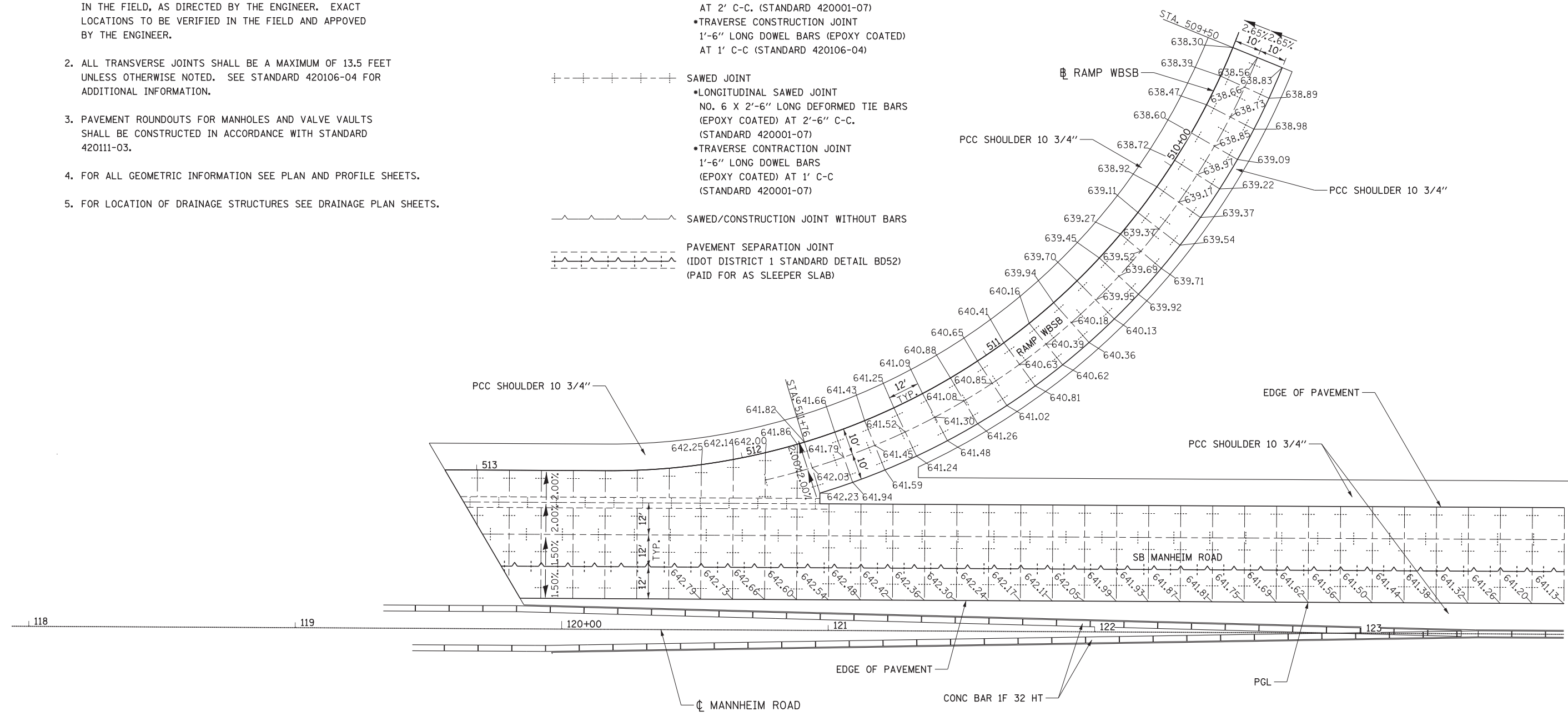
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
330	0105-WRS	COOK	537
		SHEET NO. 76	
CONTRACT NO. 60P35			
ILLINOIS FED. AID PROJECT			

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 13.5 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420106-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. FOR ALL GEOMETRIC INFORMATION SEE PLAN AND PROFILE SHEETS.
5. FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.

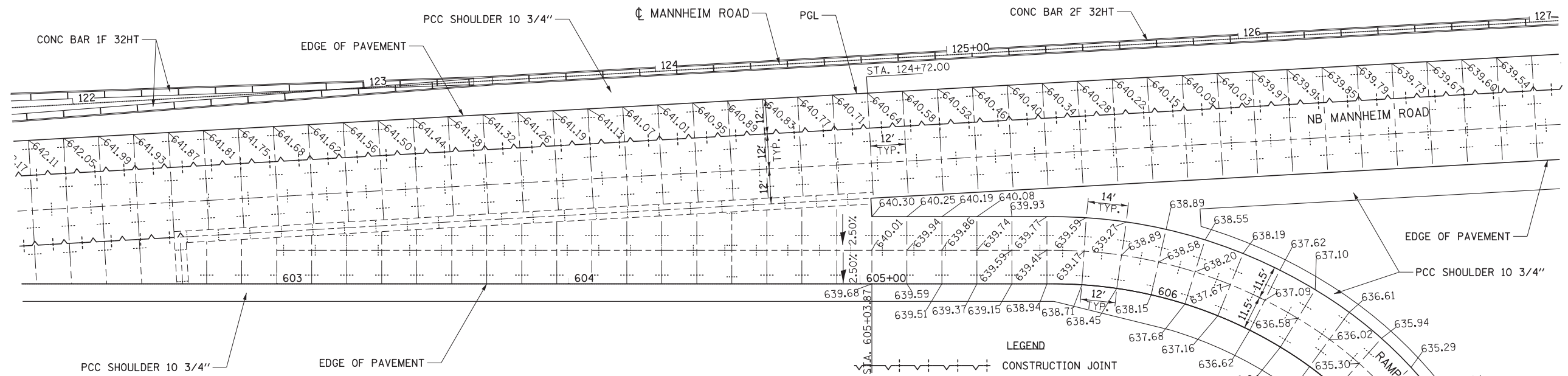
LEGEND

-  CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED IN PLACE (EPOXY COATED)
AT 2' C-C. (STANDARD 420001-07)
 - TRAVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420106-04)
-  SAWED JOINT
 - LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C.
(STANDARD 420001-07)
 - TRAVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
-  SAWED/CONSTRUCTION JOINT WITHOUT BARS
-  PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)



 <p>Globetrotters* Engineering Corporation ENGINEERS ARCHITECTS 300 South Wacker Drive Chicago, IL 60606</p>	USER NAME = mko51r	DESIGNED <i>MT</i>	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>PAVEMENT JOINTING PLAN RAMP WBSB</p>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20:1	CHECKED <i>VT</i>	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.	330	0105-WRS	COOK	537
PLOT DATE = 23-OCT-2012	DATE <i>10/19/12</i>	REVISED -					CONTRACT NO. 60P35					
ILLINOIS FED. AID PROJECT												

FILE NAME = IP_PWP\dms47849\160P35-shr-plan_jnt1.dgn



NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 13.5 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420106-04 FOR ADDITIONAL INFORMATION.
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5. FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.

LEGEND

CONSTRUCTION JOINT

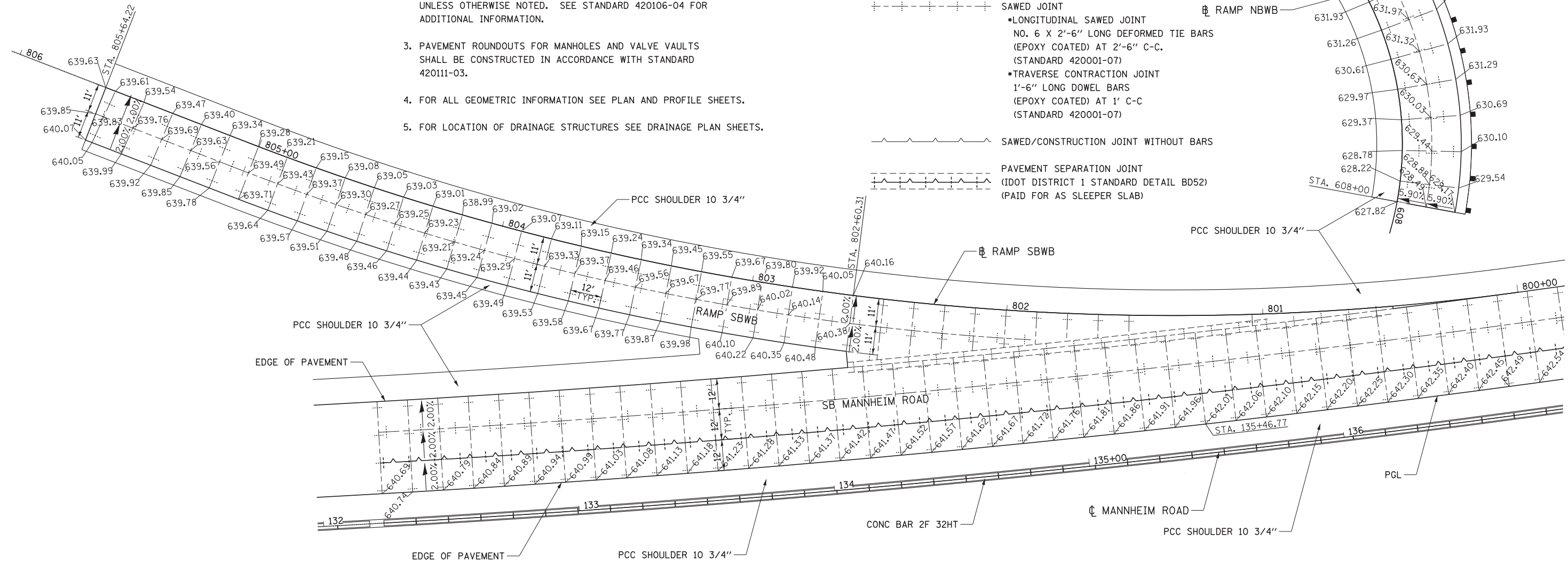
- LONGITUDINAL CONSTRUCTION JOINT NO. 6 X 2' LONG DEFORMED TIE BARS GROUTED IN PLACE (EPOXY COATED) AT 2' C-C. (STANDARD 420001-07)
- TRAVERSE CONSTRUCTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420106-04)

SAWED JOINT

- LONGITUDINAL SAWED JOINT NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C. (STANDARD 420001-07)
- TRAVERSE CONTRACTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420001-07)

SAWED/CONSTRUCTION JOINT WITHOUT BARS

PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD52) (PAID FOR AS SLEEPER SLAB)



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT JOINTING PLAN
RAMP NBWB AND SBWB**

SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	78
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

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ENGINEERS ARCHITECTS
300 South Wacker Drive
Chicago, IL 60606

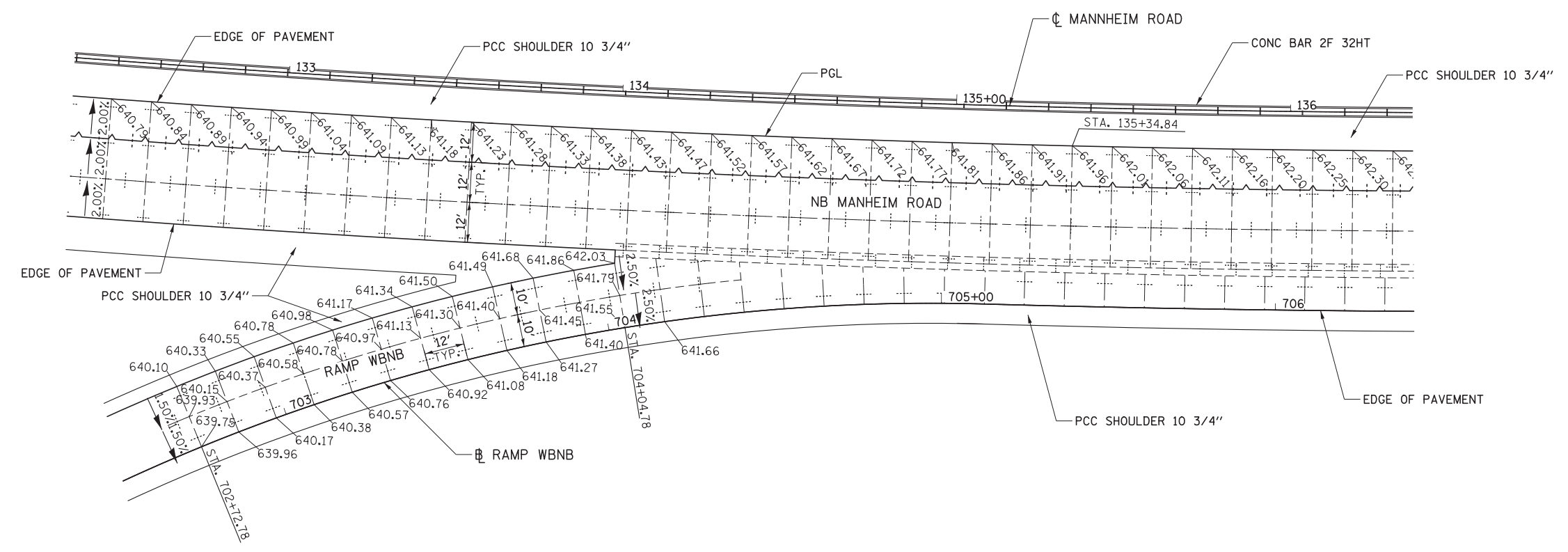
USER NAME = micosir	DESIGNED MT	REVISED -
PLOT SCALE = 20:1	DRAWN MT	REVISED -
PLOT DATE = 23-OCT-2012	CHECKED VT	REVISED -
	DATE 10/19/12	REVISED -

FILE NAME = IP_PWP\dms47849\DI60P35-shr-plan_jnt2.dgn

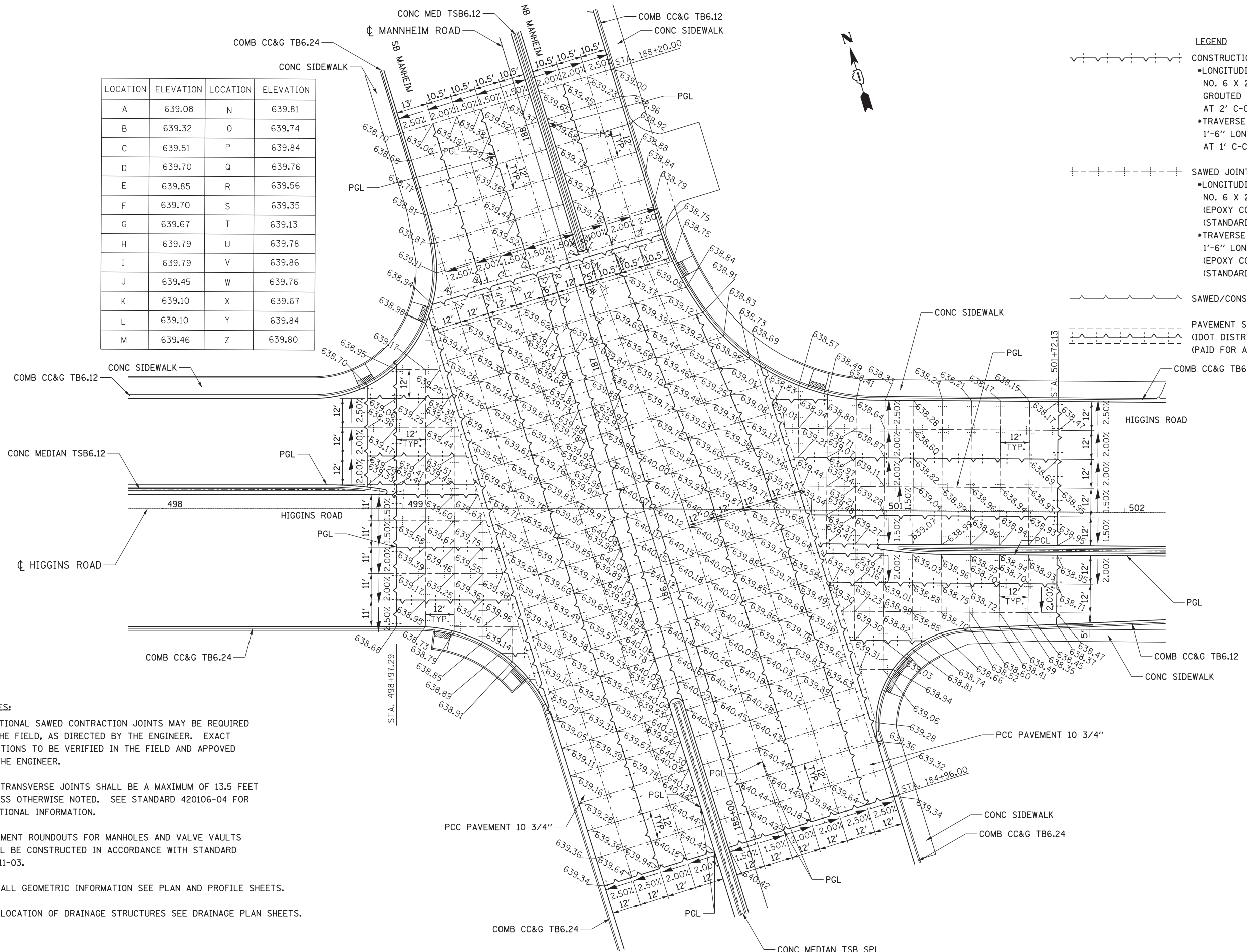
JP-2

- NOTES:**
1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 13.5 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420106-04 FOR ADDITIONAL INFORMATION.
 3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
 4. FOR ALL GEOMETRIC INFORMATION SEE PLAN AND PROFILE SHEETS.
 5. FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.

- LEGEND**
- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED IN PLACE (EPOXY COATED)
AT 2' C-C. (STANDARD 420001-07)
 - TRAVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420106-04)
 - SAWED JOINT
 - LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C.
(STANDARD 420001-07)
 - TRAVERSE CONTRACTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
 - SAWED/CONSTRUCTION JOINT WITHOUT BARS
 - PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)



LOCATION	ELEVATION	LOCATION	ELEVATION
A	639.08	N	639.81
B	639.32	O	639.74
C	639.51	P	639.84
D	639.70	Q	639.76
E	639.85	R	639.56
F	639.70	S	639.35
G	639.67	T	639.13
H	639.79	U	639.78
I	639.79	V	639.86
J	639.45	W	639.76
K	639.10	X	639.67
L	639.10	Y	639.84
M	639.46	Z	639.80



- LEGEND**
- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED IN PLACE (EPOXY COATED)
AT 2' C-C. (STANDARD 420001-07)
 - TRAVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420106-04)
 - SAWED JOINT
 - LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C.
(STANDARD 420001-07)
 - TRAVERSE CONTRACTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
 - SAWED/CONSTRUCTION JOINT WITHOUT BARS
 - PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)

- NOTES:**
1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 13.5 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420106-04 FOR ADDITIONAL INFORMATION.
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 4. FOR ALL GEOMETRIC INFORMATION SEE PLAN AND PROFILE SHEETS.
 5. FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.

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Engineering Corporation
ENGINEERS ARCHITECTS
300 South Wacker Drive
Chicago, IL 60606

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PLOT SCALE = 20:1	DRAWN MT	REVISED -
PLOT DATE = 23-OCT-2012	CHECKED VT	REVISED -
	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

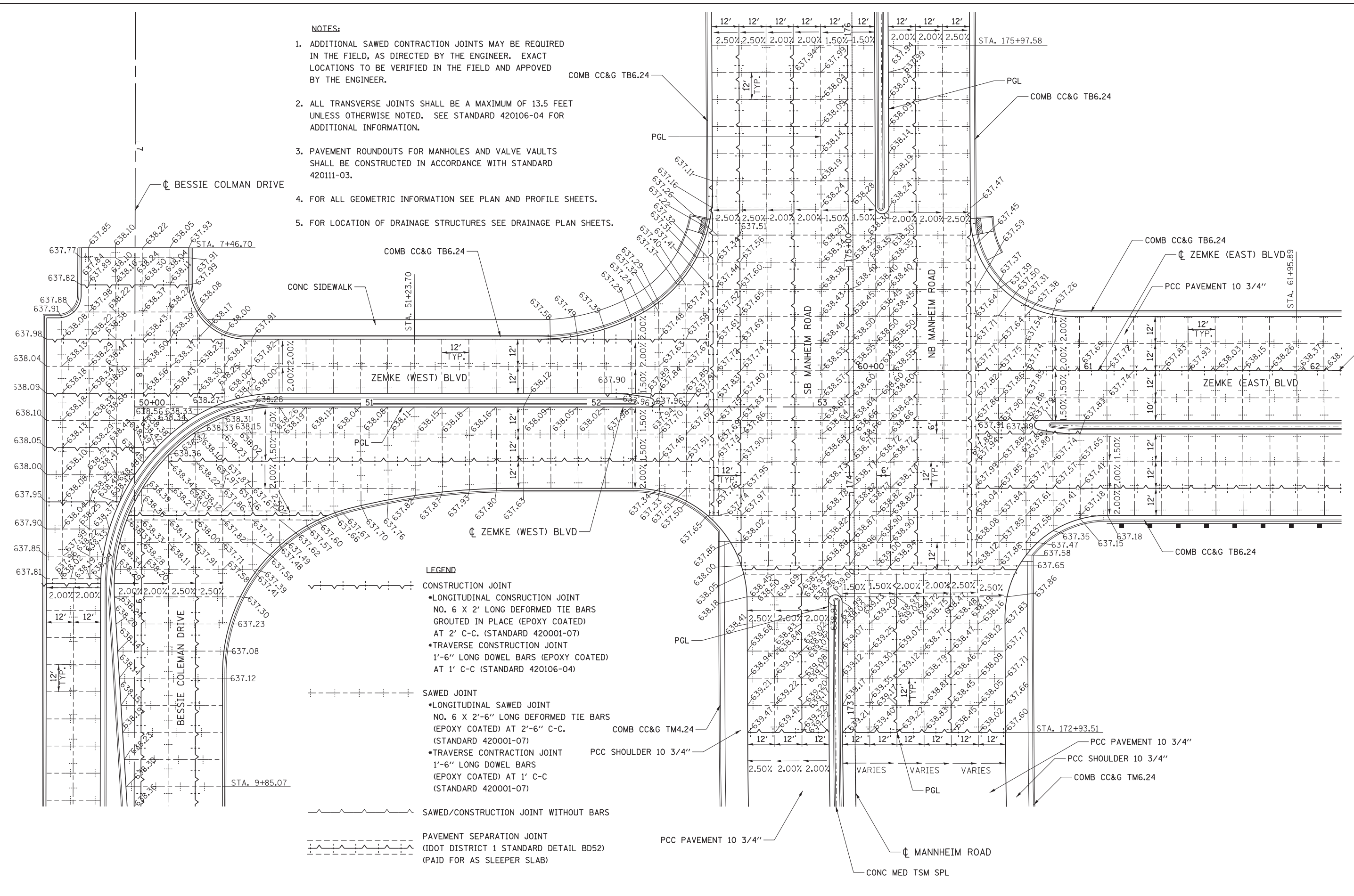
**PAVEMENT JOINTING PLAN
HIGGINS ROAD**

SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 80
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 13.5 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420106-04 FOR ADDITIONAL INFORMATION.
 3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
 4. FOR ALL GEOMETRIC INFORMATION SEE PLAN AND PROFILE SHEETS.
 5. FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.



- LEGEND**
- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED IN PLACE (EPOXY COATED)
AT 2' C-C. (STANDARD 420001-07)
 - TRAVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420106-04)
 - SAWED JOINT
 - LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C.
(STANDARD 420001-07)
 - TRAVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
 - SAWED/CONSTRUCTION JOINT WITHOUT BARS
 - PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT JOINTING PLAN
ZEMKE BLVD**



Globetrotters[®]
Engineering Corporation
ENGINEERS ARCHITECTS
300 South Wacker Drive
Chicago, IL 60606

USER NAME = mksosr	DESIGNED MT	REVISED -
PLOT SCALE = 20:1	DRAWN MT	REVISED -
PLOT DATE = 23-OCT-2012	CHECKED VT	REVISED -
	DATE 10/19/12	REVISED -

SCALE: 1" = 20'	SHEET NO. 5 OF 5 SHEETS	STA. TO STA.
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F.A.P. RTE. 330	SECTION 0105-WRS	COUNTY COOK	TOTAL SHEETS 537	SHEET NO. 81
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

- THE WORK REQUIRED TO COMPLY WITH THE MAINTENANCE OF TRAFFIC GENERAL NOTES SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL), EXCEPT FOR PAY ITEMS WHICH HAVE BEEN ESTABLISHED IN THE CONTRACT AND ARE SHOWN ON THE PLANS.
- ALL TRAFFIC CONTROL SIGNS AND DEVICES, WORK ZONE PAVEMENT MARKING, TEMPORARY CONCRETE BARRIERS AND ATTENUATORS NECESSARY FOR THE MAINTENANCE OF TRAFFIC, AS SHOWN ON THE PLANS, SHALL BE IN PLACE BEFORE THE START OF ANY CONSTRUCTION STAGE.
- EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED.
- ACCESS SHALL BE PROVIDED AND MAINTAINED TO ALL DRIVEWAYS, BUILDINGS, FIELD ENTRANCES OR OTHER PROPERTY ABUTTING THE HIGHWAY OR STREET BEING IMPROVED FOR THE ENTIRE DURATION OF THE CONTRACT.
- TEMPORARY TRAFFIC SIGNALS SHALL BE IN PLACE AT THE INTERSECTIONS NOTED ON THE PLANS BEFORE THE START OF STAGE 1 CONSTRUCTION.
- TEMPORARY TRAFFIC SIGNALS SHALL BE ADJUSTED TO ACCOMMODATE THE VARIOUS STAGES OF CONSTRUCTION SHOWN ON THE PLANS.
- WET REFLECTIVE TEMPORARY TAPE, TYPE III SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN.
- TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID FOR PER DISTRICT ONE DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.
- MAINTENANCE OF TRAFFIC STAGING AND I-190/MANNHEIM RD DETOUR SIGNING SHALL BE COORDINATED WITH THE CONTRACTOR ON THE ADJACENT CONTRACT NO. 60G37.
- ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
- ALL CONSTRUCTION WARNING SIGNS SHALL BE 48" x 48" UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH A TYPE B MONO-DIRECTIONAL FLASHING LIGHT.
- TRAFFIC CONTROL AND PROTECTION FOR CONSTRUCTION STAGING, AT INTERSECTIONS, STREET RETURNS, DRIVEWAYS OR OTHER ISOLATED LOCATIONS, THAT IS NOT SPECIFICALLY SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS BUT WHICH IS NECESSARY FOR CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ADDITIONAL TEMPORARY TRAFFIC BARRIER OPENINGS SHALL BE RESTRICTED TO LOCATIONS ADJACENT TO SINGLE LANE TRAFFIC. THE APPROVAL OF THE ENGINEER WILL BE REQUIRED FOR ALL TEMPORARY TRAFFIC BARRIER WALL OPENINGS NOT SHOWN ON THE PLANS. THE APPROACH END OF TEMPORARY TRAFFIC BARRIER SHALL BE PROTECTED WITH AN NCHRP 350 APPROVED END TREATMENT. THE WORK REQUIRED TO PROVIDE ADDITIONAL TEMPORARY TRAFFIC BARRIER OPENINGS FOR CONTRACTOR'S ACCESS TO WORK AREAS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL PROTECTION (SPECIAL).
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE SIGNS TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE LOCATION SHALL BE AS DIRECTED BY THE ENGINEER. THE MESSAGE SIGN SHALL BE IN PLACE TWO WEEKS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN."
- SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE AS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH DISTRICT DETAIL TC-10 AND TYPICAL ENTRANCE SIGNING DETAIL.
- THE "DROP OFF BETWEEN TRAVELED LANES" TABLE SPECIFIES THE PHYSICAL TREATMENT REQUIRED BY THE CONTRACTOR FOR DROPOOFF LOCATIONS BETWEEN TRAVELED LANES.
- THE "DROP OFF BETWEEN TRAVEL LANE AND SHOULDER/EDGE OF PAVEMENT" TABLE SPECIFIES THE PHYSICAL TREATMENT REQUIRED BY THE CONTRACTOR FOR DROP-OFF LOCATIONS ADJACENT TO THE TRAVEL LANE. WHERE THE WORK AREA IS NOT SEPARATED FROM THE TRAVEL LANE BY TEMPORARY CONCRETE BARRIER, SUCH AS AT INTERSECTIONS, RAMP EXITS AND ENTRANCES, AND LOCATIONS WHERE ACCESS TO PROPERTY ABUTTING THE HIGHWAY IS REQUIRED, THE CONTRACTOR SHALL SCHEDULE THE WORK THAT CREATES A DROP-OFF TO BE COMPLETED WITHIN THE TIME PERIOD SPECIFIED ON THE TABLE SUCH THAT TEMPORARY CONCRETE BARRIER MAY BE ELIMINATED.
- BARRIER WALL MARKERS SHALL BE INSTALLED ON BOTH THE FACE OF THE TEMPORARY CONCRETE BARRIER WALL NEXT TO TRAFFIC, AND THE TOP OF SECTIONS OF THE TEMPORARY CONCRETE BARRIER WALL AS SHOWN IN STANDARD 704001. THE COLOR OF THESE REFLECTORS SHALL MATCH THE COLOR OF THE EDGELINES (YELLOW ON THE LEFT AND CRYSTAL OR WHITE ON THE RIGHT). IF THE BASE OF THE TEMPORARY CONCRETE BARRIER WALL IS 12 INCHES OR LESS FROM THE TRAVEL LANE, THEN THE LOWER SLOPE OF THE WALL SHALL ALSO HAVE A 6 INCH WIDE TEMPORARY PAVEMENT MARKING EDGELINE (YELLOW ON THE LEFT AND WHITE ON THE RIGHT). TEMPORARY PAVEMENT MARKING ON THE LOWER SLOPE OF THE TEMPORARY CONCRETE BARRIER WALL WILL BE MEASURED AND PAID FOR AS TEMPORARY PAVEMENT MARKING 6".
- TRAFFIC CONTROL AND PROTECTION SHALL BE AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARD OR DISTRICT DETAIL FOR THE PROPOSED WORK. WORKERS SIGN SHALL BE USED ONLY WHEN WORKERS ARE PRESENT. FLAGGER SIGN SHALL BE USED ONLY WHEN FLAGGERS ARE PRESENT.
- TWO LANES (11' MINIMUM) IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC ALONG MANNHEIM ROAD AND HIGGINS ROAD DURING NON-WORKING HOURS AND PEAK TRAFFIC VOLUME HOURS AS SPECIFIED IN THE SPECIAL PROVISIONS.
- A MINIMUM OF ONE LANE (11' MINIMUM) IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC ALONG ZEMKE BOULEVARD/ BESSIE COLEMAN DRIVE DURING NON-WORKING HOURS AND PEAK TRAFFIC VOLUME HOURS AS SPECIFIED IN THE SPECIAL PROVISIONS.
- TEMPORARY PAVEMENT (VARIABLE DEPTH) HAS BEEN PROVIDED FOR USE AT TEMPORARY TRAFFIC STAGE CONSTRUCTION LOCATIONS TO TEMPORARILY REPLACE MINOR SECTIONS OF EXISTING PAVEMENT WHICH IS REMOVED TO PROVIDE CONSTRUCTION CLEARANCE FOR PERMANENT PAVEMENT CONSTRUCTION. TEMPORARY PAVEMENT (VARIABLE DEPTH) HAS ALSO BEEN PROVIDED FOR USE AT TEMPORARY TRAFFIC STAGE CONSTRUCTION LOCATIONS WHERE IT IS NECESSARY TO TRANSITION CHANGES IN GRADE BETWEEN PERMANENT PAVEMENT CONSTRUCTION AND EXISTING PAVEMENT. THIS WORK WILL BE PAID FOR SEPARATELY ACCORDING TO THE SPECIAL PROVISION TEMPORARY PAVEMENT (VARIABLE DEPTH).
- THE SEPARATION OF TRAFFIC CONTROL AND PROTECTION WORK BETWEEN ADJACENT CONTRACTS IS STA. 118+24 AS SHOWN ON THE PLANS.

DROP OFF BETWEEN TRAVELED LANES
(EXCLUDES PAVEMENT PATCHING)

DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT (X) AND TYPE	PHYSICAL TREATMENT (1)(2)	ADDITIONAL REQUIREMENTS
BETWEEN LANES	≥ 45 MPH	≤ 1 IN LIFT DIFFERENCE OR ≤ 1 IN VERTICAL MILLED FACE	NONE	NONE
		1 IN < X ≤ 2 IN LIFT DIFFERENCE OR 1 IN < X ≤ 1.5 IN VERTICAL MILLED FACE	NONE	UNEVEN LANE SIGNS (1 MILE SPACING)
		2 IN < X ≤ 4 IN LIFT DIFFERENCE	NOTCHED LONGITUDINAL WEDGE (4)	
		1.5 IN < X ≤ 4 IN VERTICAL MILLED FACE	TEMPORARY WEDGE OR MILLED SLOPED EDGE MIN 1:3 (4)	AS PER LANE CLOSURE STANDARD
		4 IN < X ≤ 12 IN (3)	LANE CLOSURE USING CHANNELIZING DEVICES	
	> 12 IN	LANE CLOSURE USING TEMPORARY TRAFFIC BARRIER		
BETWEEN LANES	< 45 MPH	≤ 1 IN LIFT DIFFERENCE OR ≤ 1.5 IN VERTICAL MILLED FACE	NONE	NONE
		1 IN < X ≤ 2.5 IN LIFT DIFFERENCE	NONE	UNEVEN LANE SIGNS
		2.5 IN < X ≤ 4 IN LIFT DIFFERENCE	NOTCHED LONGITUDINAL WEDGE (4)	
		1.5 IN < X ≤ 4 IN VERTICAL MILLED FACE	TEMPORARY WEDGE OR MILLED SLOPED EDGE MIN 1:3 (4)	AS PER LANE CLOSURE STANDARD
		4 IN < X ≤ 12 IN (3)	LANE CLOSURE USING CHANNELIZING DEVICES	
	> 12 IN	LANE CLOSURE USING TEMPORARY TRAFFIC BARRIER		

NOTES:

(1) PLACE CHANNELIZING DEVICES AND TEMPORARY BARRIER AT SAME LEVEL AS TRAVEL LANE.

(2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT TO THE ELEVATION ABOVE THE TRAVELING LANE; SEE HIGHWAY STANDARD 701901.

(3) DROP-OFF 4 IN < X ≤ 12 IN IS PERMITTED FOR LESS THAN 0.5 MILE LENGTH OF DROP-OFF EXPOSURE OR LESS THAN 48-HOUR CLOSURE TIME. LENGTH AND DURATION OF DROP-OFF IN EXCESS OF THESE LIMITS REQUIRE TEMPORARY TRAFFIC BARRIER. ADJACENT WORK AREAS THAT ARE ESSENTIALLY CONTINUOUS IN DROP-OFF EXPOSURE, AS DETERMINED BY THE ENGINEER, SHALL BE CONSIDERED AS ONE WORK ZONE.

(4) OR THE SAME PHYSICAL TREATMENT AND SIGN REQUIREMENTS AS 4 IN < X ≤ 12 IN.

DROP OFF BETWEEN TRAVEL LANE AND SHOULDER/EDGE OF PAVEMENT

DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT (X) AND TYPE	TREATMENT REQUIRED
< 3 FT FROM EDGE OF TRAVEL LANE (1)(2)	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 12 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	< 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILE OR < 48 HOURS (4)	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 18 IN FOR < 0.5 MILE OR < 48 HOURS	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	< 45 MPH	12 IN < X ≤ 24 IN FOR > 0.5 MILE OR > 48 HOURS	TEMPORARY TRAFFIC BARRIER BETWEEN TRAVEL LANE AND DROP OFF
	≥ 45 MPH	18 IN < X ≤ 24 IN (5)	TEMPORARY TRAFFIC BARRIER BETWEEN TRAVEL LANE AND DROP OFF
> 3 FT AND ≤ 8 FT FROM EDGE OF TRAVEL LANE (3)	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2-MILE SPACING)
	< 45 MPH	3 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
> 8 FT FROM EDGE OF TRAVEL LANE TO WORK ZONE CLEAR ZONE (3)	ALL	> 24 IN (5)	TEMPORARY TRAFFIC BARRIER BETWEEN TRAVEL LANE AND DROP OFF
	< 45 MPH	12 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
ALL	> 24 IN (5)	TEMPORARY TRAFFIC BARRIER BETWEEN TRAVEL LANE AND DROP OFF	

NOTES:

(1) PLACE CHANNELIZING DEVICES AND/OR TEMPORARY BARRIER AT THE SAME LEVEL AS THE TRAVEL LANE OR SHOULDER PROFILE.

(2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT TO THE ELEVATION ABOVE TRAVEL LANE OR SHOULDER PROFILE; SEE HIGHWAY STANDARD 701901.

(3) PLACE CHANNELIZING DEVICES AND TEMPORARY BARRIER AT SAME LEVEL AS SIDE SLOPE PROFILE TO BE FULLY VISIBLE.

(4) LENGTH AND DURATION MAY BE EXCEEDED FOR URBAN AREAS WHEN SIGHT DISTANCE WILL BE ADVERSELY AFFECTED BY TEMPORARY BARRIER, AS DETERMINED BY THE ENGINEER.

(5) TEMPORARY TRAFFIC BARRIER MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 24 HOURS FOR MULTILANE, AND MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 96 HOURS PER STAGE FOR TWO LANES, AS DETERMINED BY THE ENGINEER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
GENERAL NOTES

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	82
CONTRACT NO. 60P35			ILLINOIS FED. AID PROJECT	

MOT-01



MAINTENANCE OF TRAFFIC SUGGESTED STAGING

PRE-STAGE

CONSTRUCTION:

1. CONSTRUCT PROPOSED MEDIAN DRAINAGE STRUCTURES AND STORM SEWER PAVEMENT CROSSINGS AND TEMPORARY PAVEMENT PATCHES, THAT THE ENGINEER CONCURS MUST BE CONSTRUCTED IN ADVANCE OF SUBSEQUENT CONSTRUCTION STAGES, PRIOR TO STARTING THE TEMPORARY PAVEMENT CONSTRUCTION.
2. CONSTRUCT TEMPORARY DITCHES, SWALES, AND PIPE CULVERTS AS REQUIRED TO MAINTAIN DRAINAGE.
3. CONSTRUCT TEMPORARY PAVEMENT WIDENING AND SHOULDERS ADJACENT TO BOTH SIDES OF THE EXISTING SB MANNHEIM RD TRAFFIC LANES FOR NB & SB TRAFFIC USE DURING STAGE 1.
4. CONSTRUCT TEMPORARY PAVEMENT WIDENING AND SHOULDER ADJACENT TO THE MEDIAN SIDE OF EXISTING NB MANNHEIM RD TRAFFIC LANES FOR NB TRAFFIC ACCESS TO I-190 INTERCHANGE RAMP.
5. CONSTRUCT TEMPORARY CURB AND GUTTER AND TEMPORARY PAVEMENT WIDENING ADJACENT TO ZEMKE BLVD/BESSIE COLEMAN DR AND HIGGINS RD.
6. CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT ZEMKE RD AND HIGGINS RD.

TRAFFIC CONTROL:

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT.
2. ESTABLISH TRAFFIC CONTROL & PROTECTION IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS FOR A MULTILANE TEMPORARY ONE LANE CLOSURE DURING THE ALLOWABLE LANE CLOSURE HOURS SPECIFIED IN THE SPECIAL PROVISION FOR KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC.

STAGE 1

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT WB I-190 TO NB MANNHEIM RD ENTRANCE TERMINAL AS SHOWN ON THE PLANS.
3. CONSTRUCT WESTBOUND ZEMKE RD AND HIGGINS RD PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. ESTABLISH TRAFFIC CONTROL & PROTECTION FOR STAGE 1 AND ALL SUBSEQUENT STAGES AND SUB-STAGES IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS AND THE SPECIAL PROVISION FOR KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC.
3. INSTALL VERTICAL PANELS, REMOVE CONFLICTING PAVEMENT MARKING, INSTALL TEMPORARY PAVEMENT MARKING EDGE LINES AND LANE LINES FOR SB MANNHEIM RD STAGE 1 TRAFFIC CONFIGURATION.
4. SHIFT SB TRAFFIC TO WIDENED EXISTING SB PAVEMENT BETWEEN I-190 AND HIGGINS RD.
5. PLACE TEMPORARY CONCRETE BARRIER, REMOVE CONFLICTING PAVEMENT MARKING, INSTALL EDGE LINES AND LANE LINES FOR NB MANNHEIM RD STAGE 1 TRAFFIC CONFIGURATION.
6. ERECT DETOUR SIGNING FOR WB I-190 TO NB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
7. SHIFT NB MANNHEIM RD TRAFFIC TO WIDENED EXISTING SB PAVEMENT AS SHOWN ON THE PLANS.
8. CLOSE WB I-190 TO NB MANNHEIM RD EXIT RAMP. DETOUR WB I-190 TO NB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
9. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
10. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR A COLLECTOR-DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE NB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE.

STAGE 1 - SUB-STAGE A

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT NB MANNHEIM RD TO WB I-190 EXIT RAMP TERMINAL AS SHOWN ON THE PLANS.
3. CONSTRUCT ZEMKE BLVD/BESSIE COLEMAN DR AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. ERECT DETOUR SIGNING FOR NB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.
3. OPEN WB I-190 TO NB MANNHEIM RD RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING.
4. CLOSE NB MANNHEIM RD TO WB I-190 EXIT RAMP. DETOUR NB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.
5. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.

STAGE 1 - SUB-STAGE B

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF NB MANNHEIM RD PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT EB PORTION OF ZEMKE BLVD/BESSIE COLEMAN DR AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. OPEN NB C-D ROADWAY TO TRAFFIC AS SHOWN ON THE PLANS.
3. OPEN NB MANNHEIM RD TO WB I-190 RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING.
4. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.

STAGE 1 - SUB-STAGE BB

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF NB MANNHEIM RD PAVEMENT AND SHOULDERS/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT SOUTH PORTION OF HIGGIN RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
2. MAINTAIN C-D ROADWAY IN NB DIRECTION.

STAGE 1 - SUB-STAGE C

CONSTRUCTION:

1. CONSTRUCT MANNHEIM RD PAVEMENT AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. SHIFT NB MANNHEIM RD TRAFFIC FROM THE TEMPORARY WIDENED SB PAVEMENT TO THE NEW NB PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

3. MAINTAIN TWO LANES OF TRAFFIC IN THE SB DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
4. MAINTAIN TWO LANES OF TRAFFIC IN THE NB DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.

STAGE 1 - SUB-STAGE D

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF MANNHEIM RD PAVEMENT AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. MAINTAIN TWO LANES OF TRAFFIC IN THE SB DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
2. MAINTAIN TWO LANES OF TRAFFIC IN THE NB DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.

STAGE 2

CONSTRUCTION:

1. CONSTRUCT SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT ZEMKE BLVD AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE TEMPORARY WIDENED SB PAVEMENT TO THE NEW NB PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.
4. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR A COLLECTOR-DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE SB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE.

STAGE 2 - SUB-STAGE A

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT WB I-190 TO SB MANNHEIM RD ENTRANCE RAMP TERMINAL AS SHOWN ON THE PLANS.
3. CONSTRUCT ZEMKE RD AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. ERECT DETOUR SIGNING FOR WB I-190 TO SB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
3. CLOSE WB I-190 TO SB MANNHEIM RD EXIT RAMP. DETOUR WB I-190 TO SB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
4. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.

STAGE 2 - SUB-STAGE B

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT PORTION OF ZEMKE RD AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE NEW NB PAVEMENT AND SHOULDERS TO THE NEW SB PAVEMENT AT THE I-190 INTERCHANGE AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS AT LOCATIONS AWAY FROM THE I-190 INTERCHANGE AS SHOWN ON THE PLANS.
4. OPEN WB I-190 TO SB MANNHEIM RD ENTRANCE RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING.
5. ERECT DETOUR SIGNING FOR SB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.
6. CLOSE SB MANNHEIM RD TO WB I-190 EXIT RAMP. DETOUR SB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.

STAGE 2 - SUB-STAGE C

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER.
2. CONSTRUCT HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD AS SHOWN ON THE PLANS.

STAGE 2 - SUB-STAGE D

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD AS SHOWN ON THE PLANS.

STAGE 2 - SUB-STAGE E

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD AS SHOWN ON THE PLANS.

STAGE 3

CONSTRUCTION:

1. CONSTRUCT MEDIAN SHOULDER AND CONCRETE BARRIER WALL OR MEDIAN CURB AND GUTTER AND MEDIAN LANDSCAPING AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE NEW NB PAVEMENT TO THE NEW SB OUTSIDE PAVEMENT LANES 2 AND 3 AS SHOWN ON THE PLANS.
3. SHIFT NB MANNHEIM RD TRAFFIC FROM THE NB PAVEMENT AND SHOULDER TO THE NB OUTSIDE PAVEMENT LANES 2 AND 3 AS SHOWN ON THE PLANS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

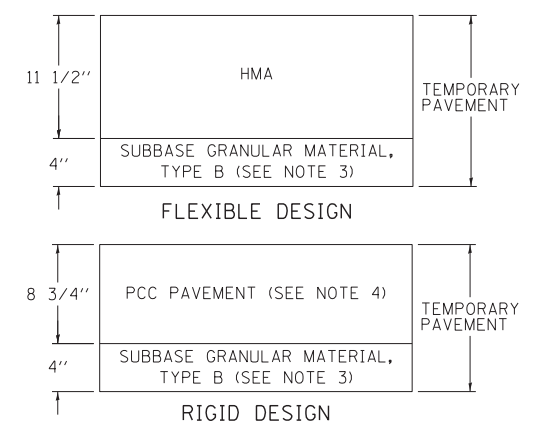
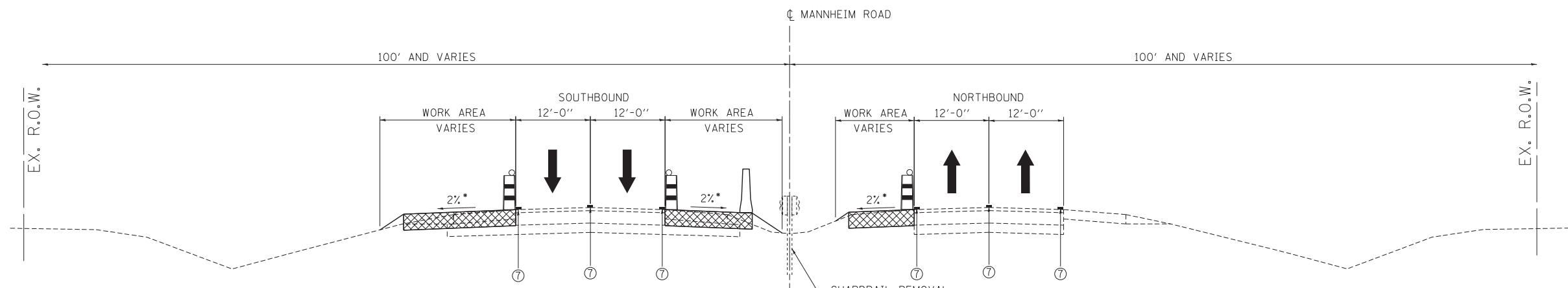
**MAINTENANCE OF TRAFFIC
SUGGESTED STAGING**

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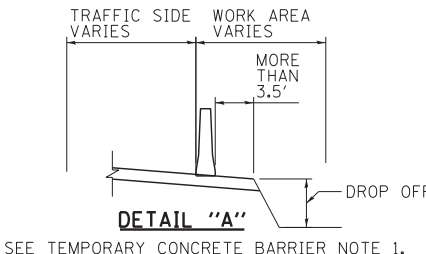
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CONTRACT NO.			60P35	
ILLINOIS FED. AID PROJECT				

MOT-02

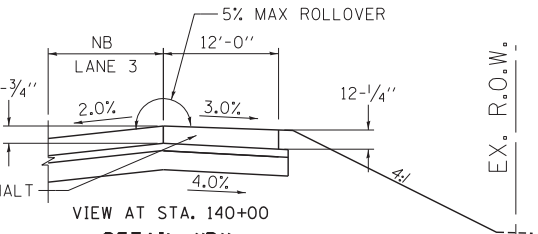
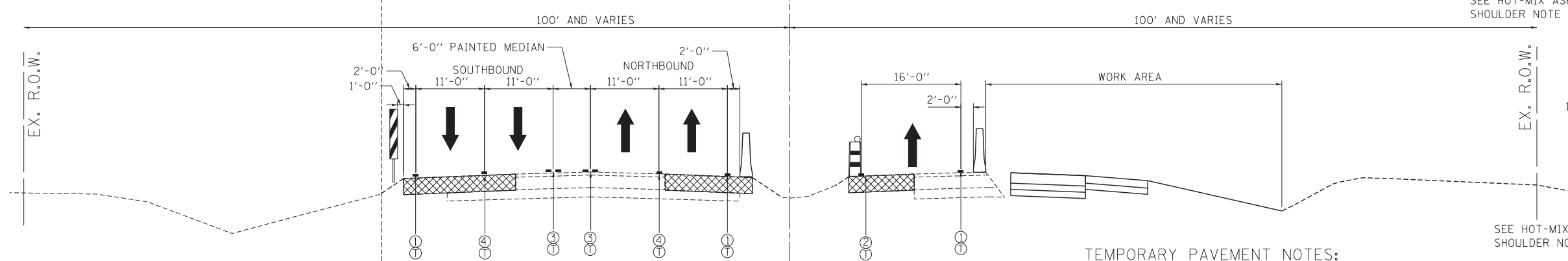
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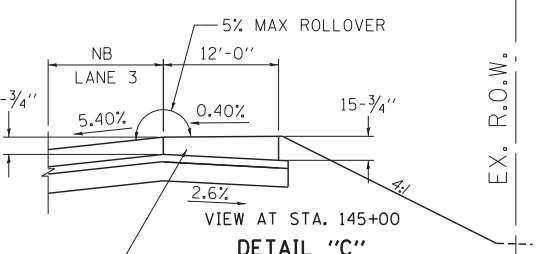
TEMPORARY PAVEMENT DETAIL



DETAIL "A"
SEE TEMPORARY CONCRETE BARRIER NOTE 1.



VIEW AT STA. 140+00
DETAIL "B"



VIEW AT STA. 145+00
DETAIL "C"

TEMPORARY PAVEMENT NOTES:

- 1) TEMPORARY PAVEMENT SHALL BE DEFINED AS PORTLAND CEMENT CONCRETE OR HMA PAVEMENT AND SHALL INCLUDE SUBBASE GRANULAR MATERIAL TYPE B 4".
- 2) TEMPORARY PAVEMENT REMOVAL WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR PAVEMENT REMOVAL.
- 3) SUBGRADE SOILS WITH AN IBR <2.5 SHALL BE UNDERCUT AND REPLACED WITH 12" AGGREGATE SUBGRADE IMPROVEMENT.
- 4) IF CONTRACTOR CHOOSES TO USE PC CONCRETE TEMPORARY PAVEMENT, THE PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATION.

HOT-MIX ASPHALT SHOULDER NOTE:

- 1) HOT-MIX ASPHALT SHOULDER WITH A VARIABLE THICKNESS OF 10-3/4" AT THE EDGE OF PAVEMENT AND 12-1/4" TO 15-3/4" AT THE EDGE OF SHOULDER SHALL BE CONSTRUCTED DURING STAGE 1. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SHOULDERS, 10-3/4". THE HOT-MIX ASPHALT SHOULDER SHALL BE VARIABLE DEPTH MILLED TO THE PROPOSED SHOULDER CROSS SLOPE TO ACCOMMODATE A 1-1/2" OVERLAY DURING STAGE 3. SEE TYPICAL SECTION ON SHEET TYP-06 AND DETAIL B AND C ON SHEET MOT-03.

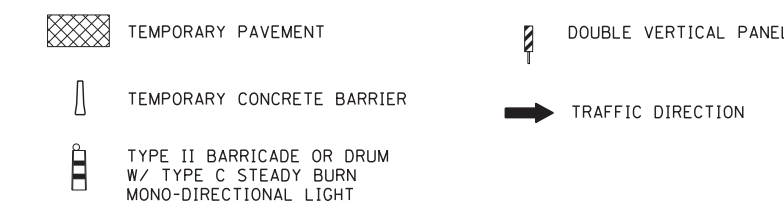
PRE-STAGE NOTES:

- 1) CONSTRUCT TEMPORARY PAVEMENT TO ACCOMODATE TRAFFIC FOR THE NEXT STAGE WITH DAILY LANE CLOSURES DURING NON-PEAK HOURS.
- 2) MATCH EXISTING CROSS SLOPE IN SUPER ELEVATED SECTIONS.
- 3) THE "DROP OFF BETWEEN TRAVEL LANE AND SHOULDER/ EDGE OF PAVEMENT" TABLE SPECIFIES THE PHYSICAL TREATMENT REQUIRED BY THE CONTRACTOR FOR DROP-OFF LOCATIONS ADJACENT TO THE TRAVEL LANE. WHERE THE WORK AREA IS NOT SEPARATED FROM THE TRAVEL LANE BY TEMPORARY CONCRETE BARRIER DURING THE PRE-STAGE WIDENING, THE CONTRACTOR SHALL SCHEDULE THE WORK THAT CREATES A DROP-OFF TO BE COMPLETED WITHIN THE TIME PERIOD SPECIFIED ON THE TABLE SUCH THAT TEMPORARY CONCRETE BARRIER MAY BE ELIMINATED.

TEMPORARY CONCRETE BARRIER NOTE:

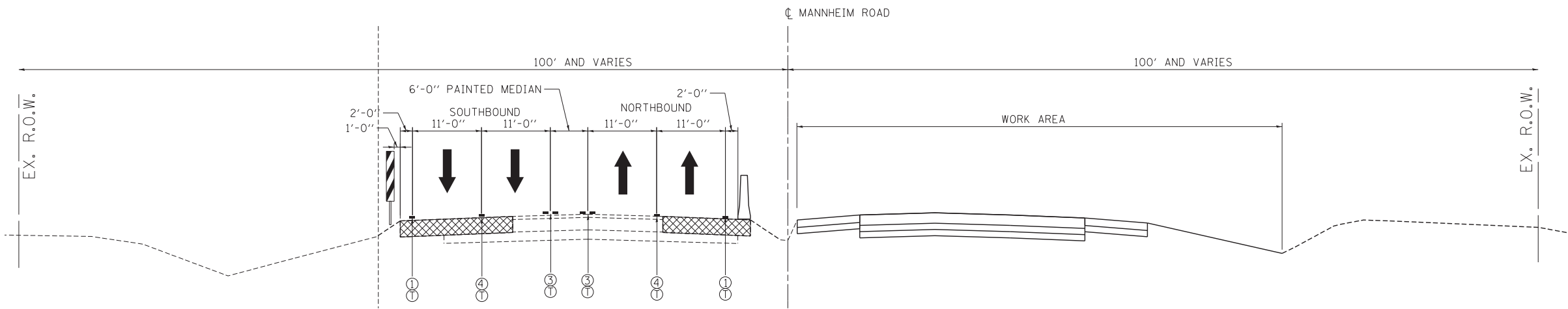
- 1) AT LOCATIONS WHERE A DROP OFF FROM THE GROUND SURFACE ADJACENT TO THE TEMPORARY CONCRETE BARRIER IS 3.5' OR LESS FROM THE TEMPORARY CONCRETE BARRIER, THE TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE TEMPORARY PAVEMENT OR PAVED SHOULDER, USING THREE ANCHORING PINS INSTALLED ON THE TRAFFIC SIDE OF THE TEMPORARY CONCRETE BARRIER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER. SEE DETAIL "A"

MAINTENANCE OF TRAFFIC LEGEND

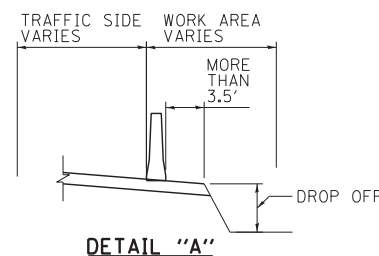


- ① PVT MK - LINE 4" WHITE
- ② PVT MK - LINE 4" YELLOW
- ③ PVT MK - DBL 4" YELLOW
- ④ PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- ⑤ PVT MK - LINE 6" WHITE
- ⑥ PVT MK - LINE 8" WHITE
- ⑦ EXISTING PAVEMENT MARKING
- Ⓣ TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
- Ⓜ WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
- Ⓟ PERM PVT MK (SEE PVT MK PLANS)

FILE NAME =	USER NAME = \$USER*	DESIGNED - JZP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS PRE-STAGE AND STAGE 1	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = \$DATE*	DATE - 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT					



STAGE 1 - SUB-STAGE A
MANNHEIM RD.
(STA. 127+00)

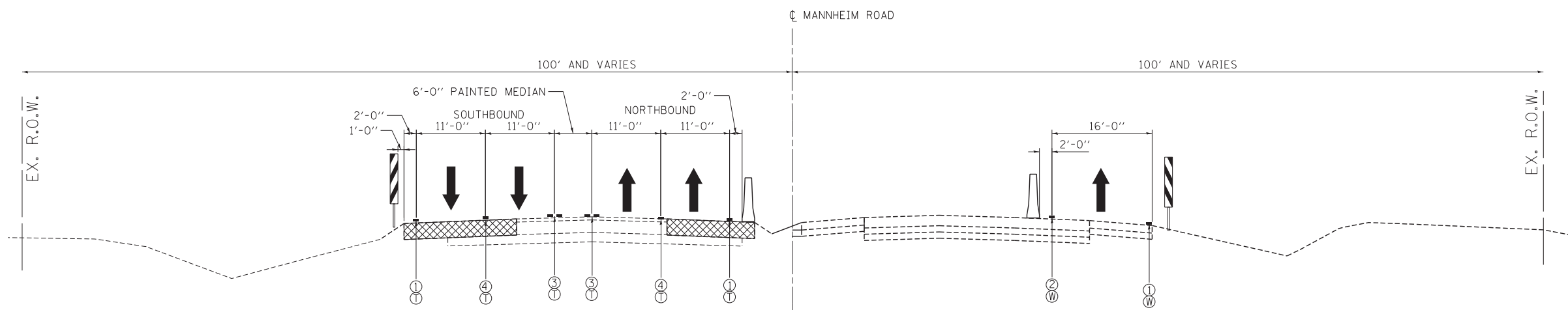


DETAIL "A"

SEE TEMPORARY CONCRETE BARRIER NOTE 1.

TEMPORARY CONCRETE BARRIER:

1) AT LOCATIONS WHERE A DROP OFF FROM THE GROUND SURFACE ADJACENT TO THE TEMPORARY CONCRETE BARRIER IS 3.5' OR LESS FROM THE TEMPORARY CONCRETE BARRIER, THE TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE TEMPORARY CONCRETE PAVEMENT OR PAVED SHOULDER, USING THREE ANCHORING PINS INSTALLED ON THE TRAFFIC SIDE OF THE TEMPORARY CONCRETE BARRIER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER. SEE DETAIL "A"



STAGE 1 - SUB-STAGE B
MANNHEIM RD.
(STA. 127+00)

MAINTENANCE OF TRAFFIC LEGEND

- TEMPORARY PAVEMENT
- DOUBLE VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- TRAFFIC DIRECTION
- TYPE II BARRICADE OR DRUM
W/ TYPE C STEADY BURN
MONO-DIRECTIONAL LIGHT

- ① PVT MK - LINE 4" WHITE
- ② PVT MK - LINE 4" YELLOW
- ③ PVT MK - DBL 4" YELLOW
- ④ PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- ⑤ PVT MK - LINE 6" WHITE
- ⑥ PVT MK - LINE 8" WHITE
- ⑦ EXISTING PAVEMENT MARKING
- T TEMP PVT MK
(SEE GENERAL NOTES SHT G-03)
- W WET REF TEM TAPE T3
(SEE GENERAL NOTES SHT G-03)
- P PERM PVT MK
(SEE PVT MK PLANS)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
STAGE 1 - SUB-STAGE A AND SUB-STAGE B

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60P35				

SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

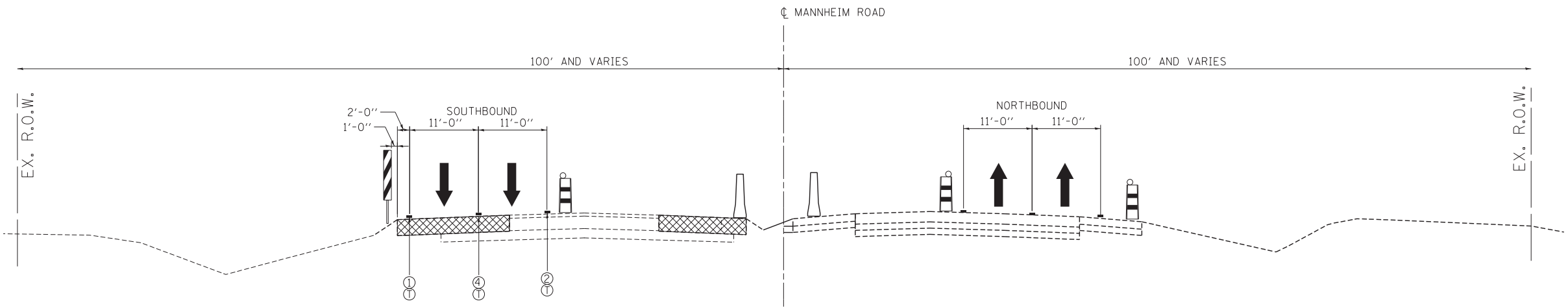
ILLINOIS FED. AID PROJECT

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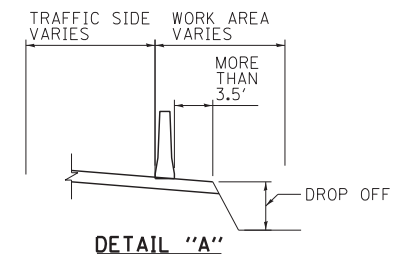
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TENGL & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS



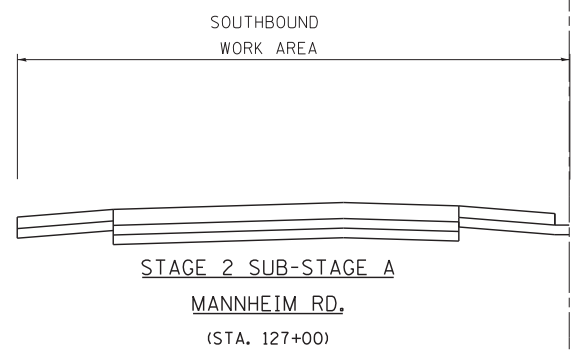
STAGE 1 - SUB-STAGE C
MANNHEIM RD.
(STA. 127+00)



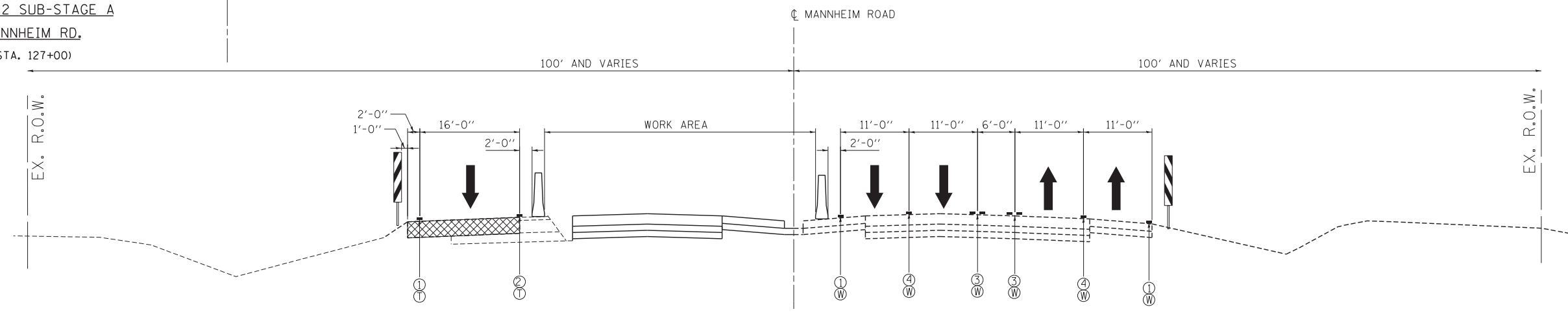
SEE TEMPORARY CONCRETE BARRIER NOTE 1.

TEMPORARY CONCRETE BARRIER:

- 1) AT LOCATIONS WHERE A DROP OFF FROM THE GROUND SURFACE ADJACENT TO THE TEMPORARY CONCRETE BARRIER IS 3.5' OR LESS FROM THE TEMPORARY CONCRETE BARRIER, THE TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE TEMPORARY PAVEMENT OR PAVED SHOULDER, USING THREE ANCHORING PINS INSTALLED ON THE TRAFFIC SIDE OF THE TEMPORARY CONCRETE BARRIER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER. SEE DETAIL "A"



STAGE 2 SUB-STAGE A
MANNHEIM RD.
(STA. 127+00)



STAGE 2
MANNHEIM RD.
(STA. 127+00)

MAINTENANCE OF TRAFFIC LEGEND

- TEMPORARY PAVEMENT
- DOUBLE VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- TRAFFIC DIRECTION
- TYPE II BARRICADE OR DRUM W/ TYPE C STEADY BURN MONO-DIRECTIONAL LIGHT

- ① PVT MK - LINE 4" WHITE
- ② PVT MK - LINE 4" YELLOW
- ③ PVT MK - DBL 4" YELLOW
- ④ PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- ⑤ PVT MK - LINE 6" WHITE
- ⑥ PVT MK - LINE 8" WHITE
- ⑦ EXISTING PAVEMENT MARKING
- T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
- W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
- P PERM PVT MK (SEE PVT MK PLANS)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

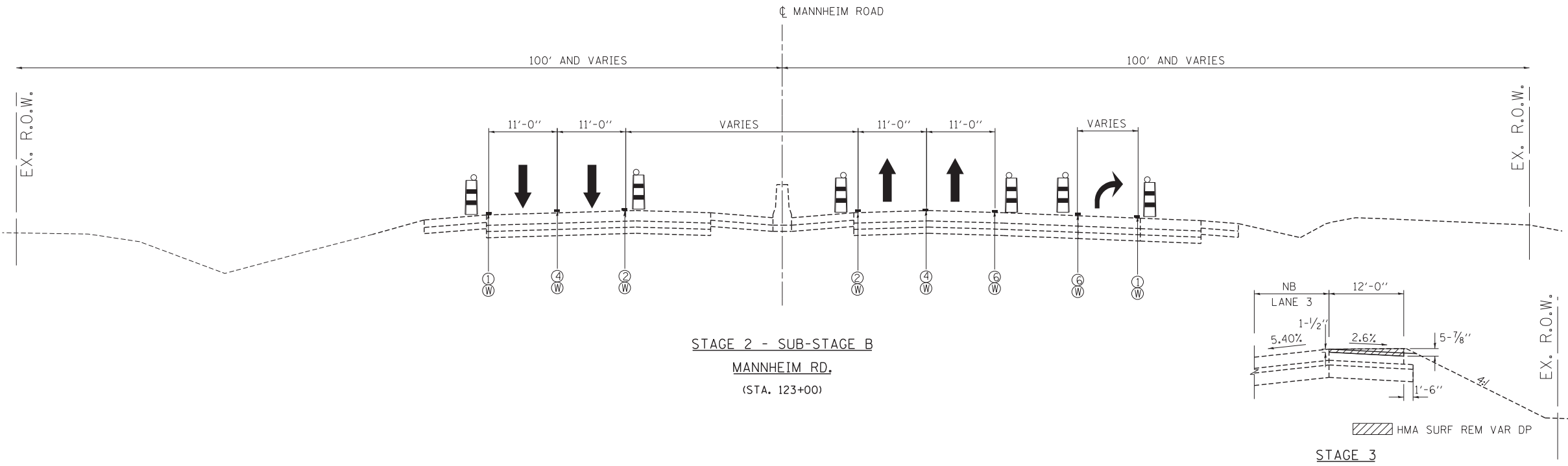
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SCALE: 1"=10'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	86
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

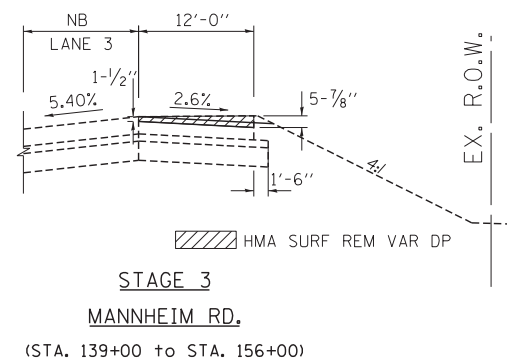
MOT-05



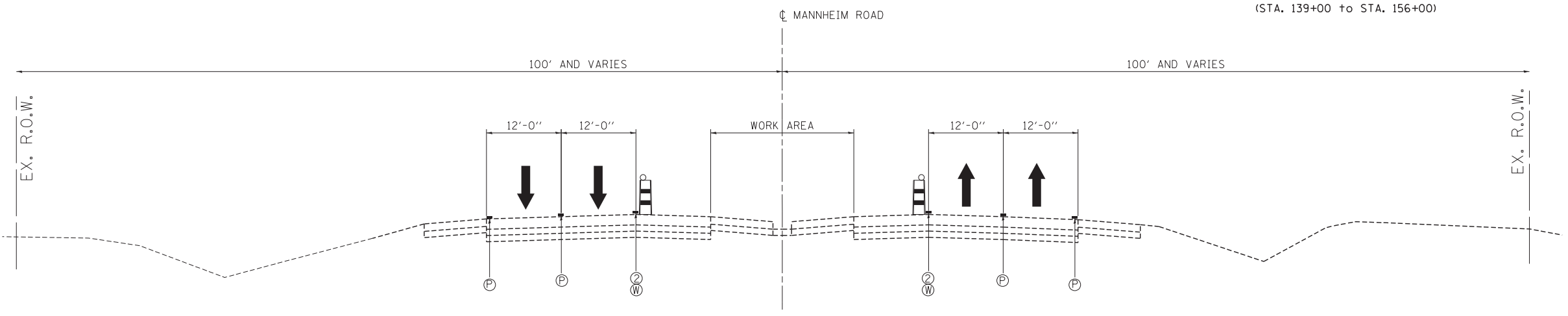
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS



STAGE 2 - SUB-STAGE B
MANNHEIM RD.
(STA. 123+00)



STAGE 3
MANNHEIM RD.
(STA. 139+00 to STA. 156+00)



STAGE 3
MANNHEIM RD.
(STA. 127+00)

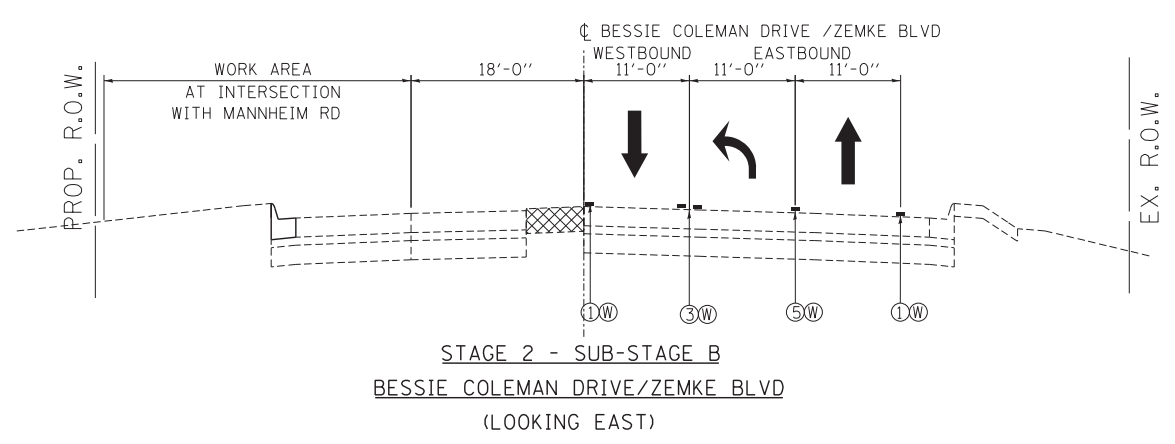
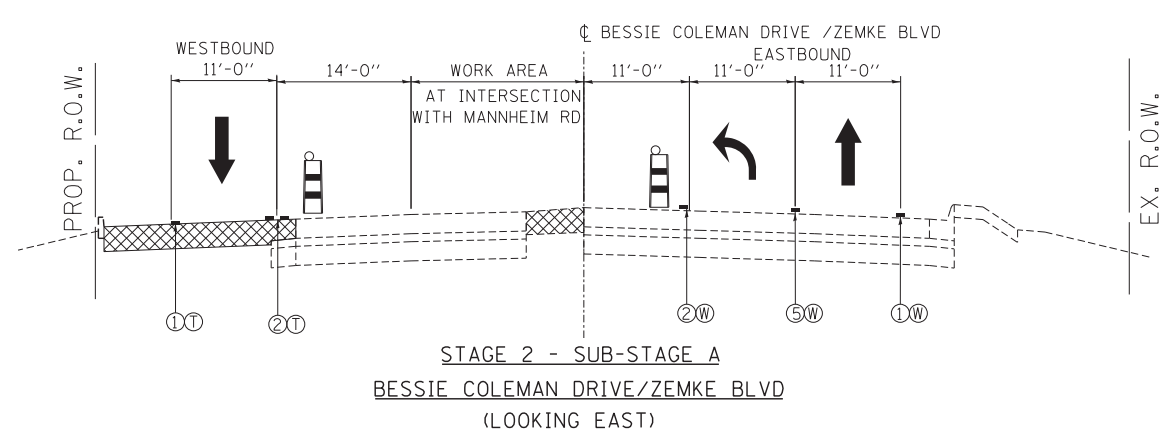
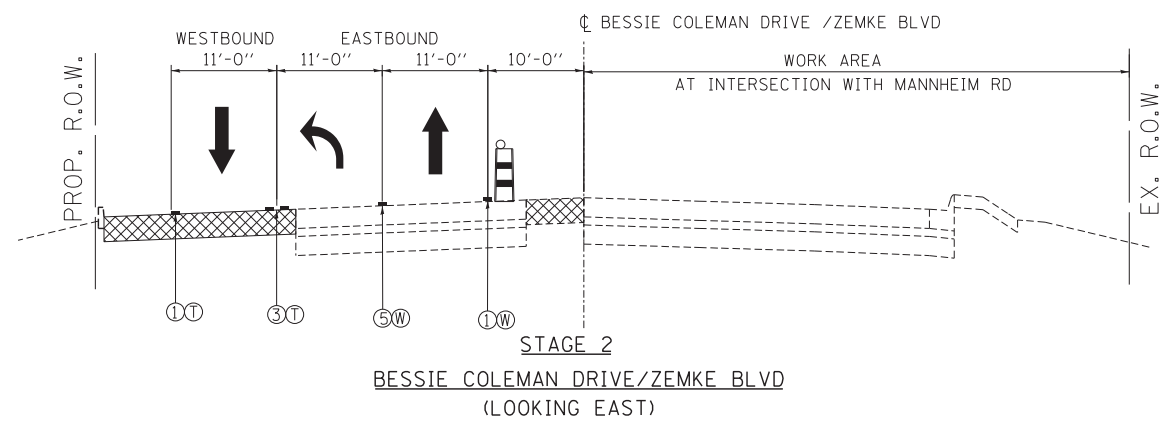
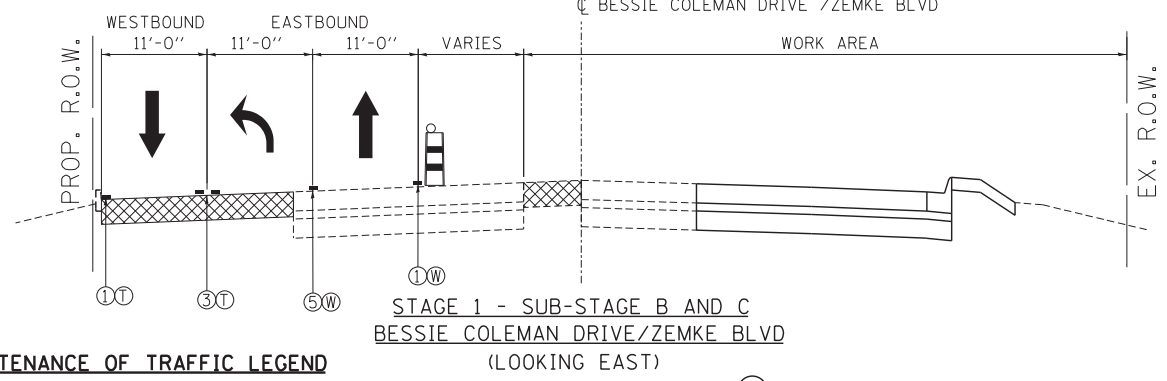
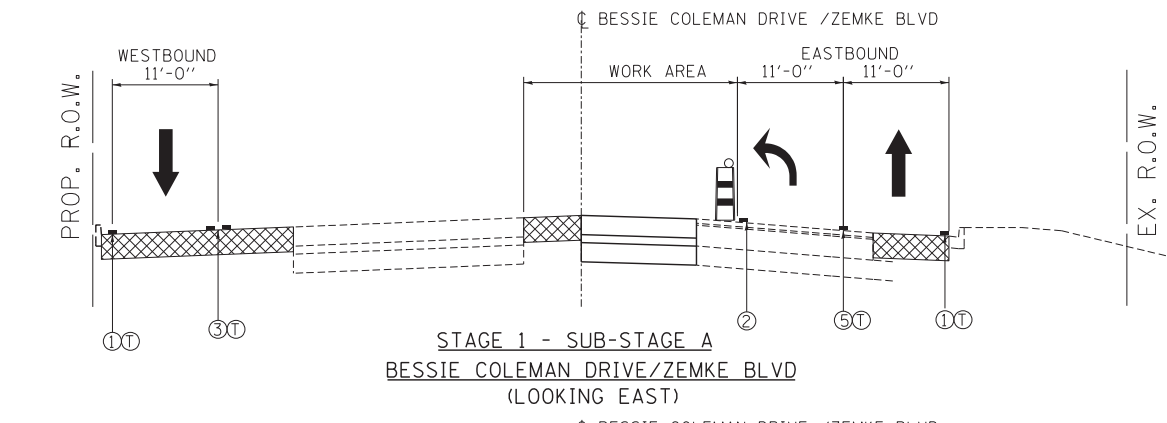
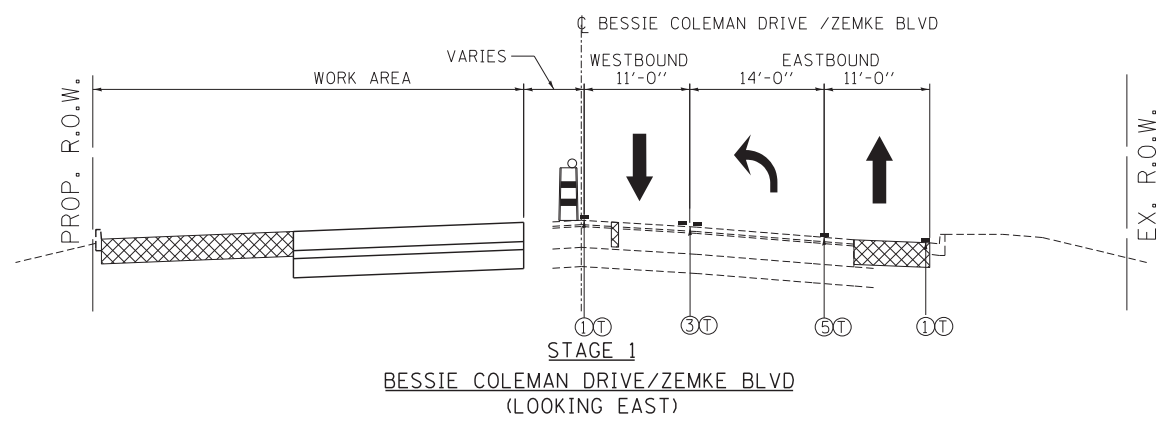
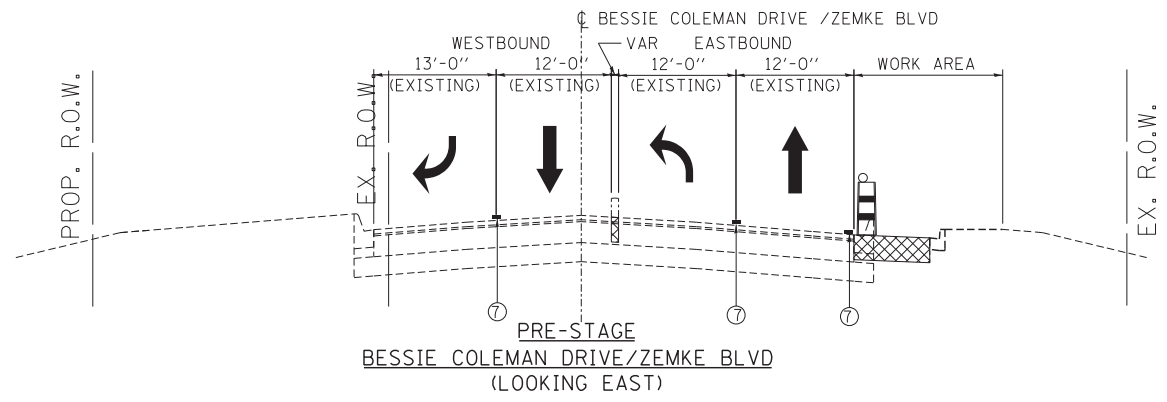
MAINTENANCE OF TRAFFIC LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRICADE OR DRUM
W/ TYPE C STEADY BURN
MONO-DIRECTIONAL LIGHT
- DOUBLE VERTICAL PANEL
- TRAFFIC DIRECTION

- ① PVT MK - LINE 4" WHITE
- ② PVT MK - LINE 4" YELLOW
- ③ PVT MK - DBL 4" YELLOW
- ④ PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- ⑤ PVT MK - LINE 6" WHITE
- ⑥ PVT MK - LINE 8" WHITE
- ⑦ EXISTING PAVEMENT MARKING
- T TEMP PVT MK
(SEE GENERAL NOTES SHT G-03)
- W WET REF TEM TAPE T3
(SEE GENERAL NOTES SHT G-03)
- P PERM PVT MK
(SEE PVT MK PLANS)

\\N:\60P35-STAGING\T.DGN, \\N:\60P35-EDR\BERT.DGN, \\N:\60P35-STAGING\T.DGN, \\N:\60P35-SHT-STAGING\T.DGN, \\N:\60P35-SHT-STAGING\T.DGN
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DESIGNED - JZP	DRAWN - JZP	CHECKED - KDA	REVISED -		SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS	COOK	537	87
DESIGNED - JZP	DRAWN - JZP	CHECKED - KDA	REVISED -		DATE - 10/19/12				CONTRACT NO. 60P35				
DESIGNED - JZP	DRAWN - JZP	CHECKED - KDA	REVISED -		DATE - 10/19/12				ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC LEGEND

- TEMPORARY PAVEMENT
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRICADE OR DRUM W/ TYPE C STEADY BURN MONO-DIRECTIONAL LIGHT
- DOUBLE VERTICAL PANEL
- TRAFFIC DIRECTION
- 1 PVT MK - LINE 4" WHITE
- 2 PVT MK - LINE 4" YELLOW
- 3 PVT MK - DBL 4" YELLOW
- 4 PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- 5 PVT MK - LINE 6" WHITE
- 6 PVT MK - LINE 8" WHITE
- 7 EXISTING PAVEMENT MARKING

- T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
- W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
- P PERM PVT MK (SEE PVT MK PLANS)

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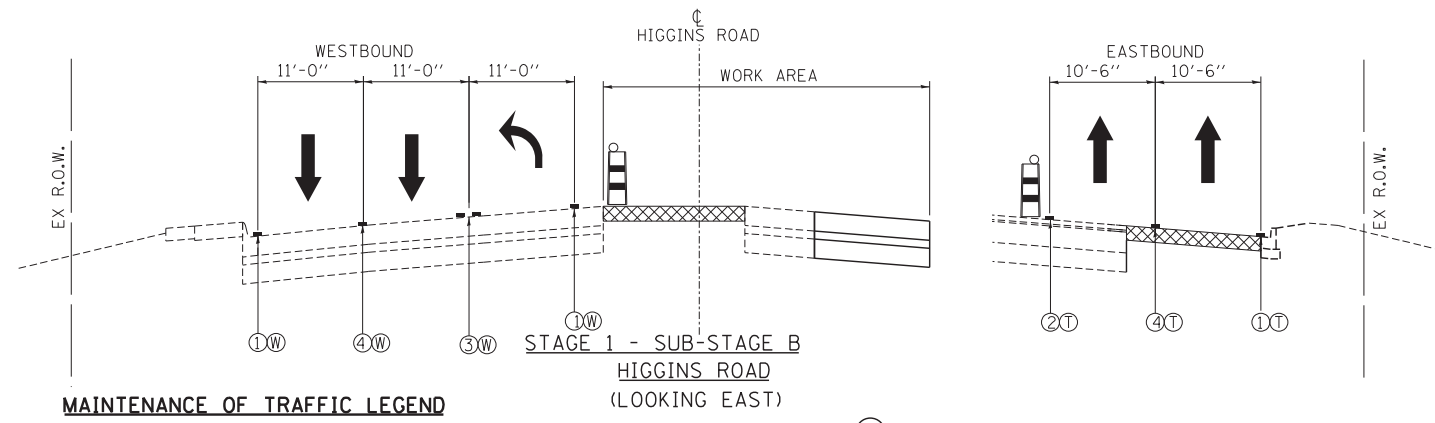
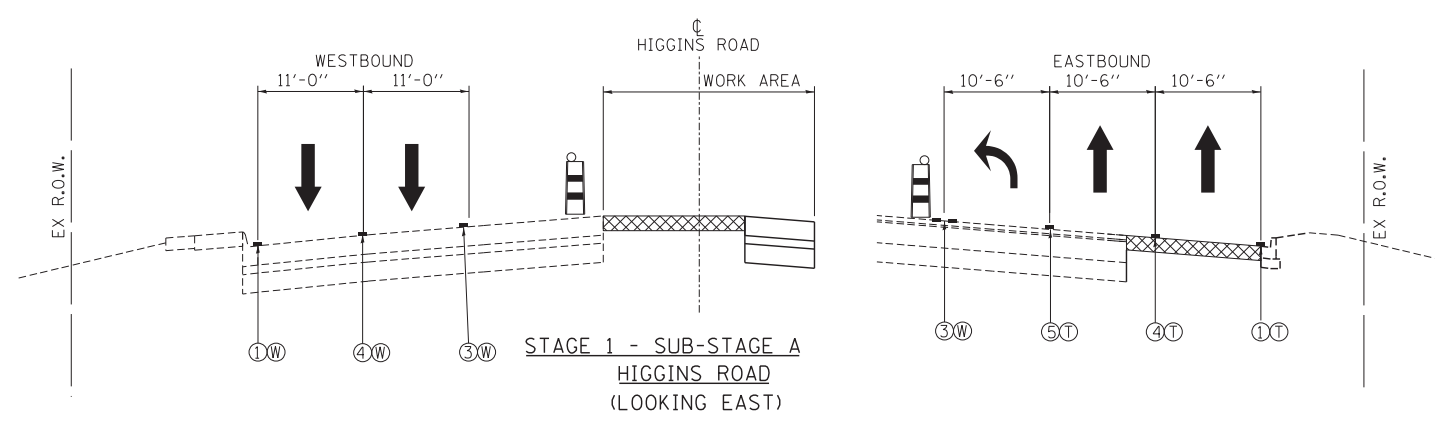
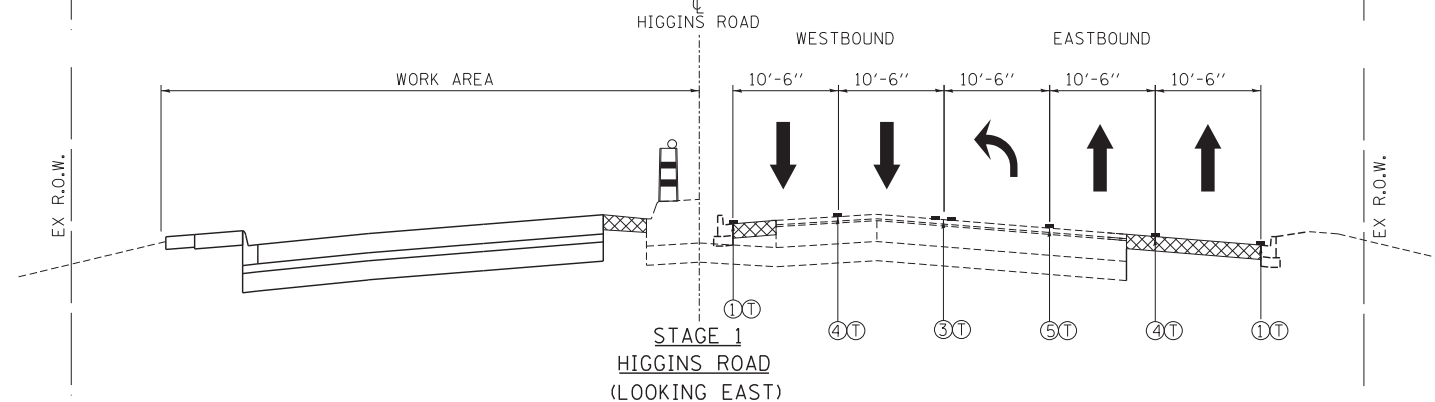
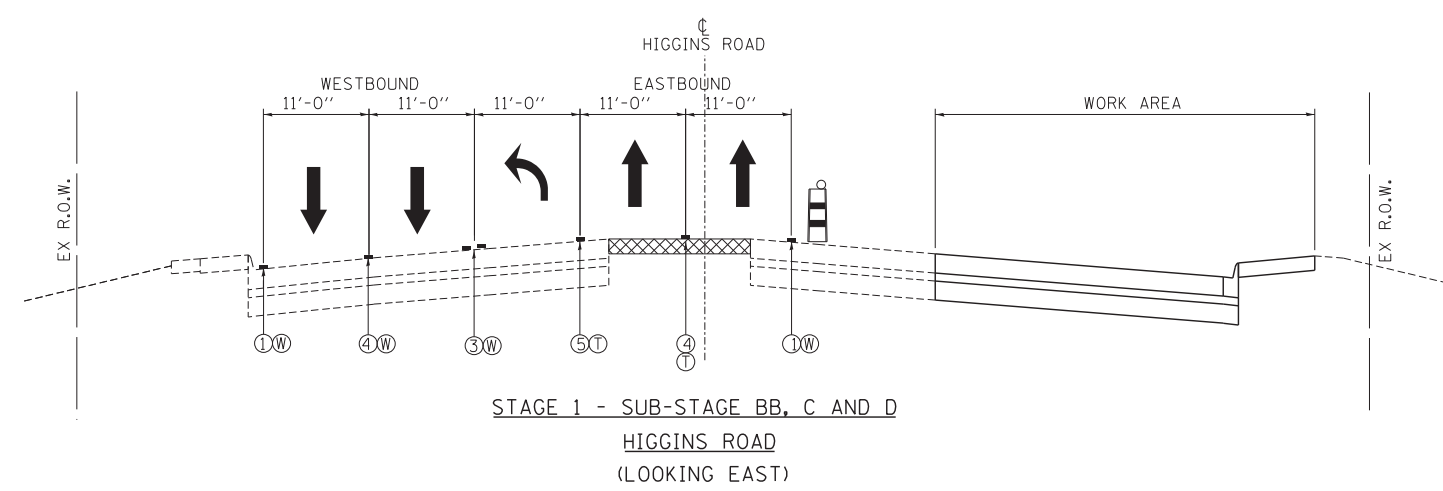
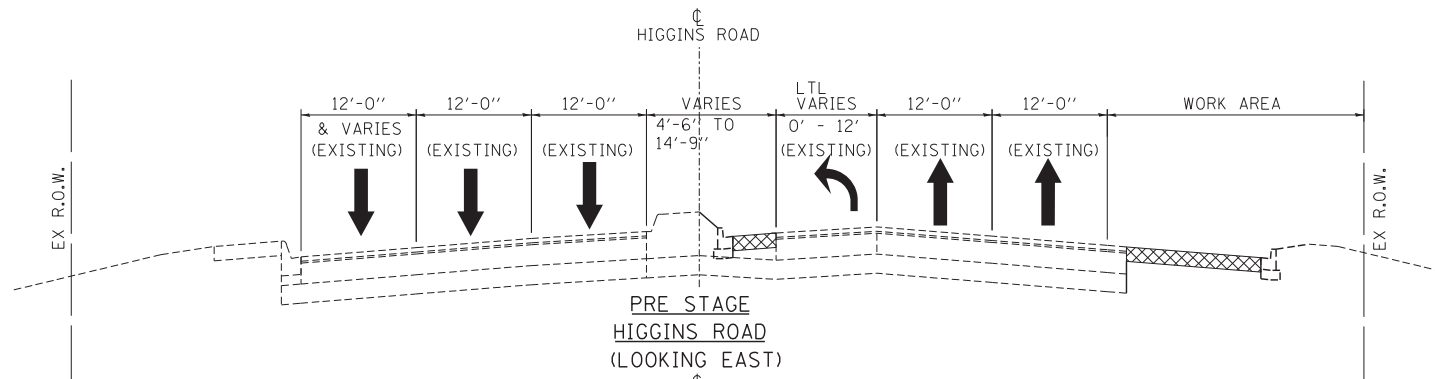


TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
BESSIE COLEMAN DRIVE / ZEMKE ROAD**
 SCALE: 1"=10' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	88
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC LEGEND

- TEMPORARY PAVEMENT
- DOUBLE VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- TRAFFIC DIRECTION
- TYPE II BARRICADE OR DRUM W/ TYPE C STEADY BURN MONO-DIRECTIONAL LIGHT

- ① PVT MK - LINE 4" WHITE
- ② PVT MK - LINE 4" YELLOW
- ③ PVT MK - DBL 4" YELLOW
- ④ PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- ⑤ PVT MK - LINE 6" WHITE
- ⑥ PVT MK - LINE 8" WHITE
- ⑦ EXISTING PAVEMENT MARKING
- Ⓣ TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
- Ⓜ WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
- Ⓟ PERM PVT MK (SEE PVT MK PLANS)

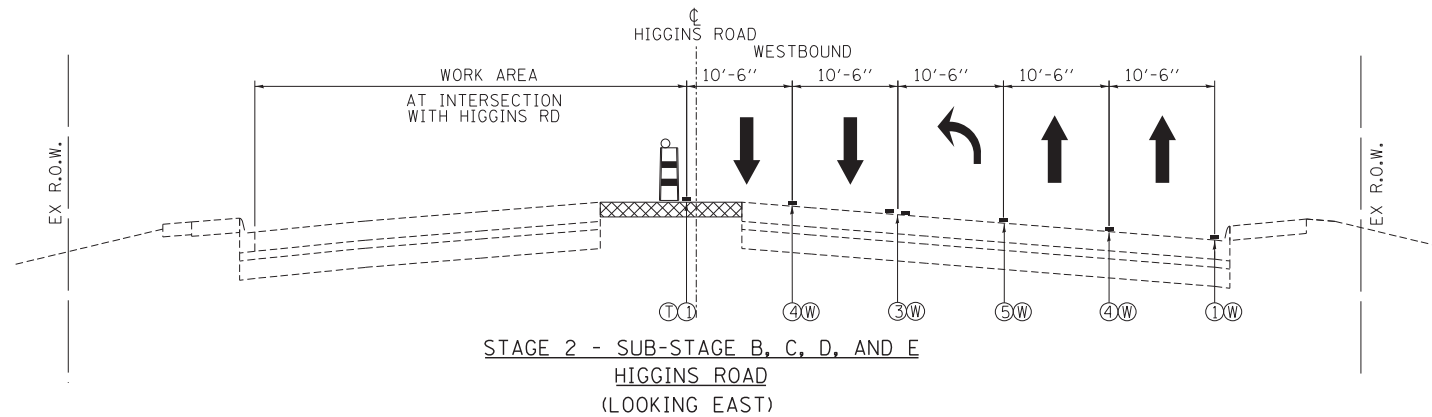
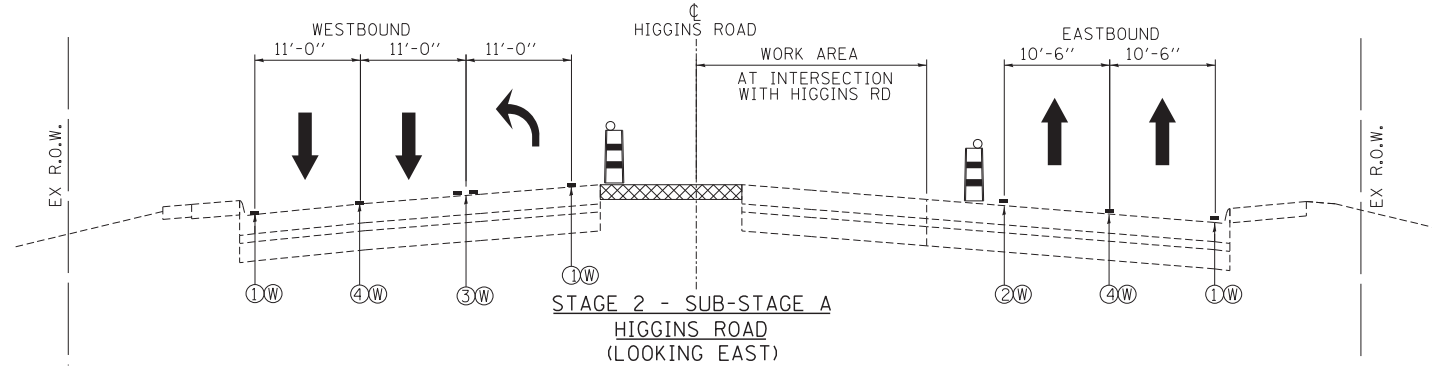
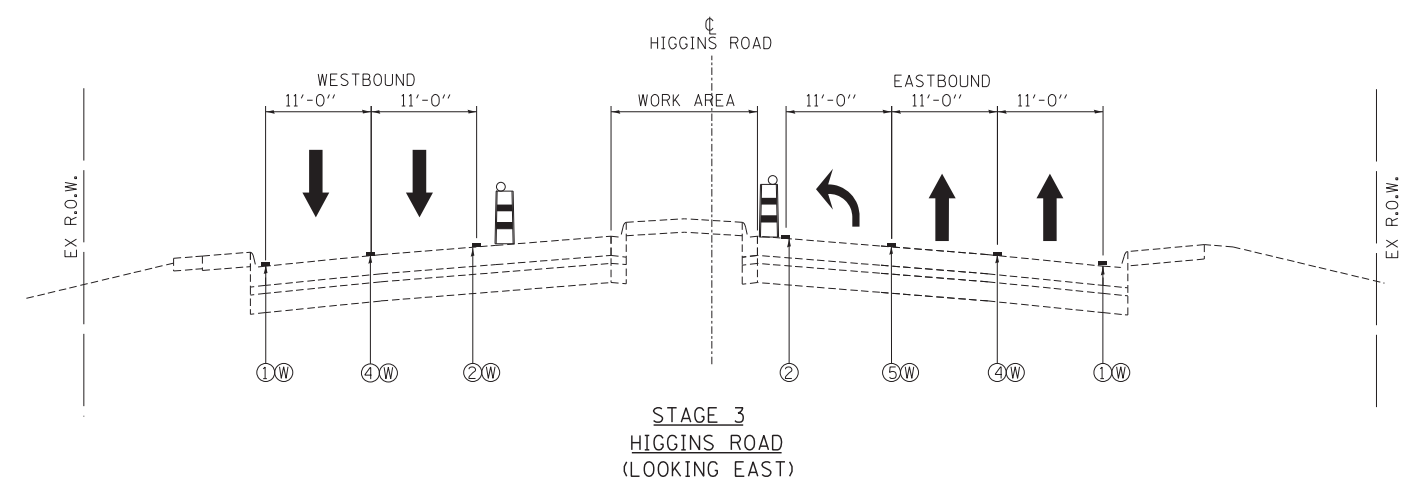
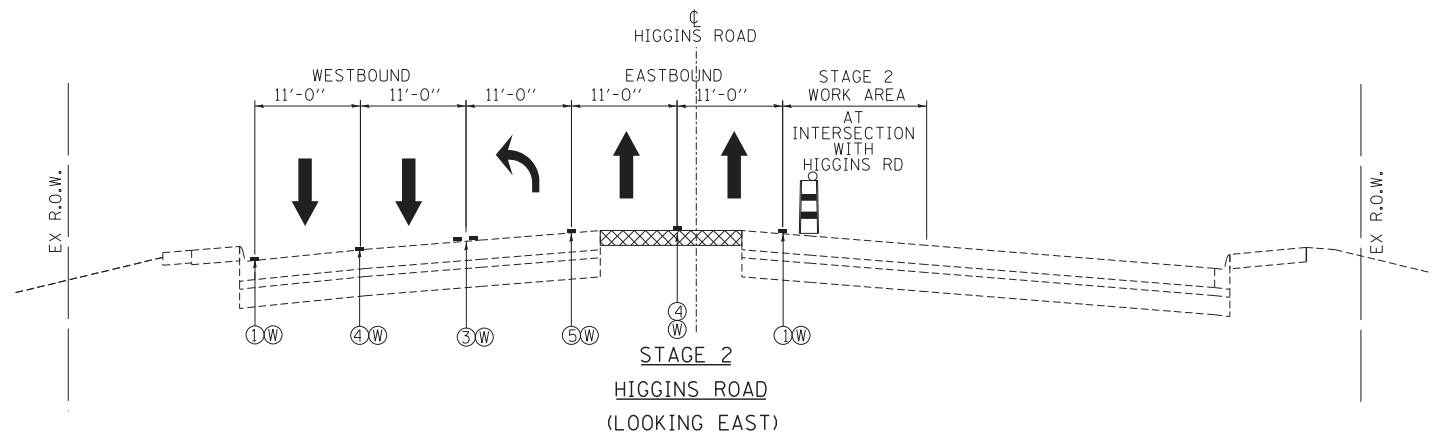
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	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			
HIGGINS ROAD - PRE-STAGE, STAGE 1 - SUB-STAGE A, B AND C			
SCALE: 1"=10'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	89
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC LEGEND

- TEMPORARY PAVEMENT
- DOUBLE VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- TRAFFIC DIRECTION
- TYPE II BARRICADE OR DRUM
W/ TYPE C STEADY BURN
MONO-DIRECTIONAL LIGHT

- ① PVT MK - LINE 4" WHITE
- ② PVT MK - LINE 4" YELLOW
- ③ PVT MK - DBL 4" YELLOW
- ④ PVT MK - LINE 4" WHITE (10' DASH- 30' SKIP)
- ⑤ PVT MK - LINE 6" WHITE
- ⑥ PVT MK - LINE 8" WHITE
- ⑦ EXISTING PAVEMENT MARKING
- Ⓣ TEMP PVT MK
(SEE GENERAL NOTES SHT G-03)
- Ⓜ WET REF TEM TAPE T3
(SEE GENERAL NOTES SHT G-03)
- Ⓟ PERM PVT MK
(SEE PVT MK PLANS)

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 TENG & ASSOCIATES, INC.; ENGINEERS/ARCHITECTS/PLANNERS; CHICAGO, ILLINOIS; DATE - 10/19/12; REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS HIGGINS ROAD - STAGE 2 AND STAGE 3			
SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA. TO STA.

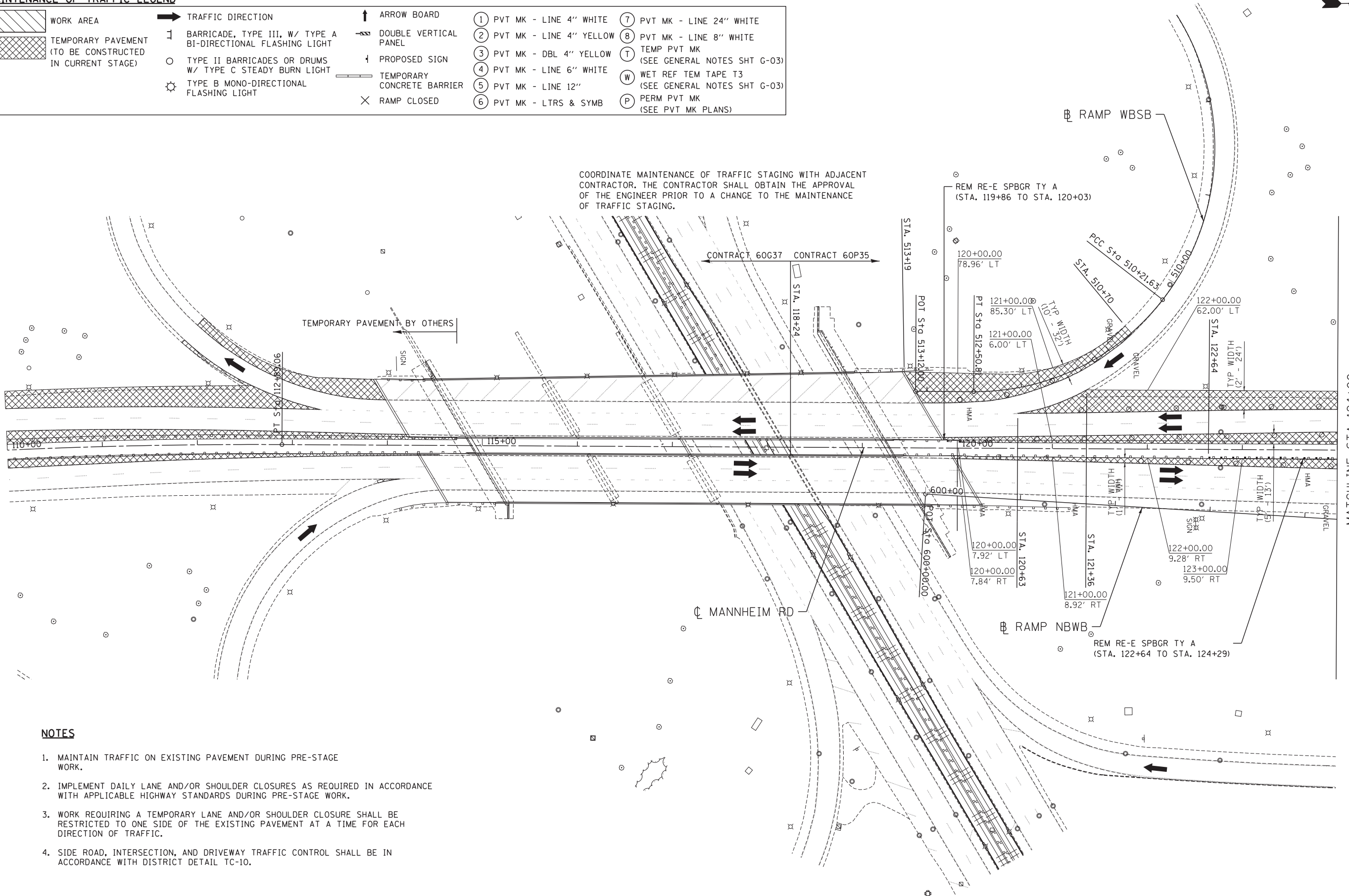
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	0105-WRS	COOK	537	90
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

MOT-09

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)
						⑥	PVT MK - LTRS & SYMB		

COORDINATE MAINTENANCE OF TRAFFIC STAGING WITH ADJACENT CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO A CHANGE TO THE MAINTENANCE OF TRAFFIC STAGING.



NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
3. WORK REQUIRING A TEMPORARY LANE AND/OR SHOULDER CLOSURE SHALL BE RESTRICTED TO ONE SIDE OF THE EXISTING PAVEMENT AT A TIME FOR EACH DIRECTION OF TRAFFIC.
4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

MATCHLINE STA 124+00
SEE SHEET MOT-11

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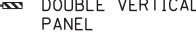













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	PLOT SCALE = *SCALE* PLOT DATE = *DATE*			SCALE: 1"=50' SHEET NO. OF SHEETS STA. 110+00 TO STA. 124+00	COUNTY COOK CONTRACT NO. 60P35	537 91	

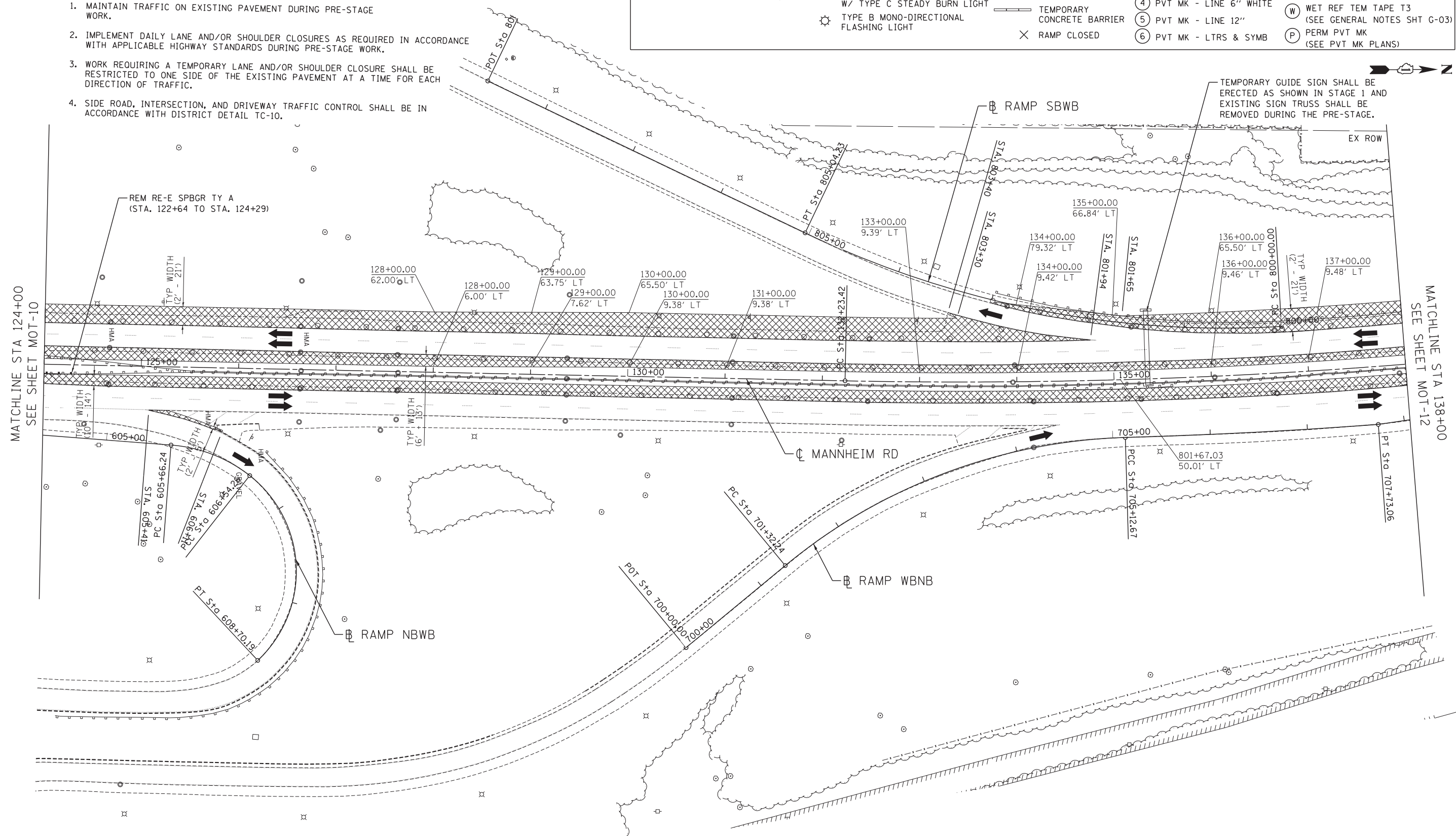
MOT-10

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
3. WORK REQUIRING A TEMPORARY LANE AND/OR SHOULDER CLOSURE SHALL BE RESTRICTED TO ONE SIDE OF THE EXISTING PAVEMENT AT A TIME FOR EACH DIRECTION OF TRAFFIC.
4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

MAINTENANCE OF TRAFFIC LEGEND

 WORK AREA	 TRAFFIC DIRECTION	 ARROW BOARD	 ① PVT MK - LINE 4" WHITE	 ⑦ PVT MK - LINE 24" WHITE
 TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)	 BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT	 DOUBLE VERTICAL PANEL	 ② PVT MK - LINE 4" YELLOW	 ⑧ PVT MK - LINE 8" WHITE
	 ○ TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT	 PROPOSED SIGN	 ③ PVT MK - DBL 4" YELLOW	 T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	 ⚙ TYPE B MONO-DIRECTIONAL FLASHING LIGHT	 TEMPORARY CONCRETE BARRIER	 ④ PVT MK - LINE 6" WHITE	 W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
		 X RAMP CLOSED	 ⑤ PVT MK - LINE 12"	 P PERM PVT MK (SEE PVT MK PLANS)



MATCHLINE STA 124+00
SEE SHEET MOT-10

MATCHLINE STA 138+00
SEE SHEET MOT-12

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

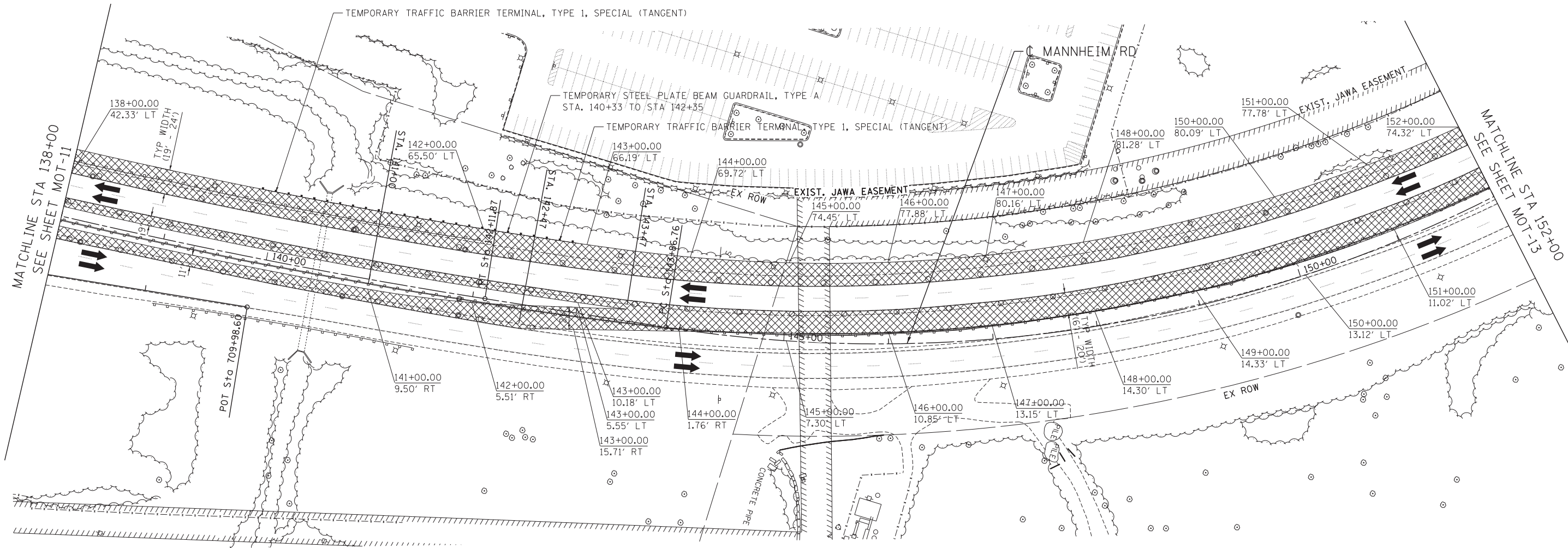
MAINTENANCE OF TRAFFIC PRE-STAGE			
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	92
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

MOT-11



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS



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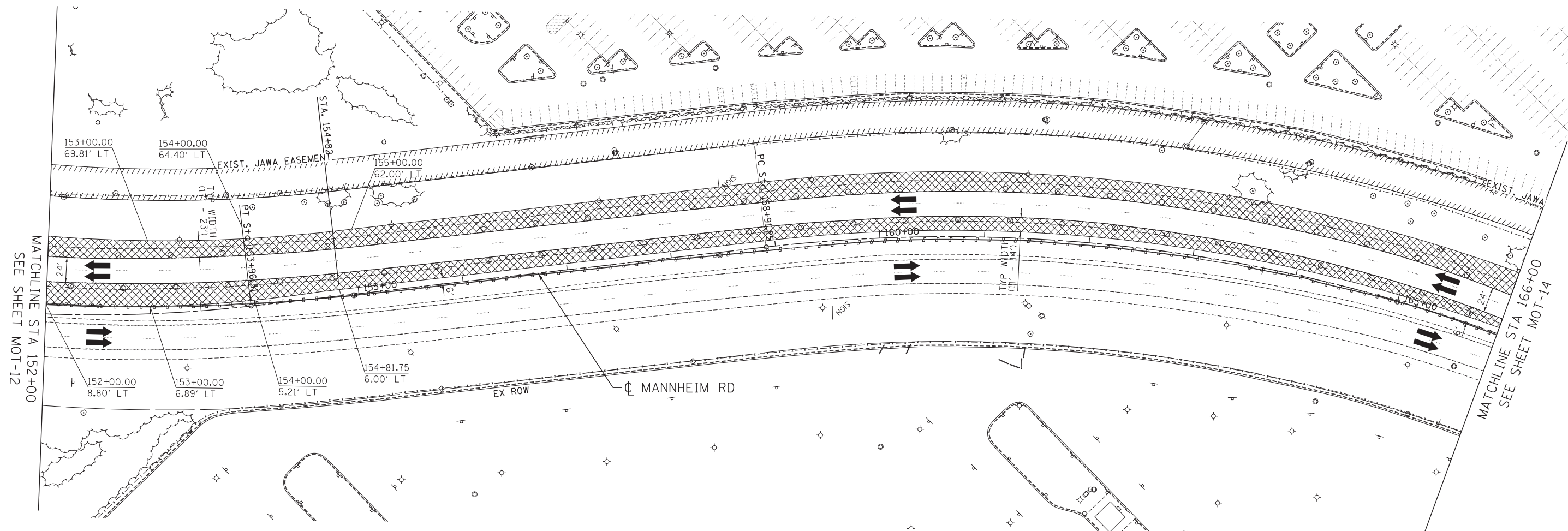
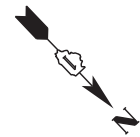
MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)	④	PVT MK - LINE 6" WHITE	W	PERM PVT MK (SEE PVT MK PLANS)
						⑤	PVT MK - LINE 12"	P	
						⑥	PVT MK - LTRS & SYMB		

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
3. WORK REQUIRING A TEMPORARY LANE AND/OR SHOULDER CLOSURE SHALL BE RESTRICTED TO ONE SIDE OF THE EXISTING PAVEMENT AT A TIME FOR EACH DIRECTION OF TRAFFIC.
4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.





MAINTENANCE OF TRAFFIC LEGEND

WORK AREA	TRAFFIC DIRECTION	ARROW BOARD	PVT MK - LINE 4" WHITE	PVT MK - LINE 24" WHITE
TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)	BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT	DOUBLE VERTICAL PANEL	PVT MK - LINE 4" YELLOW	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT	PROPOSED SIGN	PVT MK - DBL 4" YELLOW	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT	TEMPORARY CONCRETE BARRIER	PVT MK - LINE 6" WHITE	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
		RAMP CLOSED	PVT MK - LINE 12"	PERM PVT MK (SEE PVT MK PLANS)
			PVT MK - LTRS & SYMB	

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
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4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PRE-STAGE**

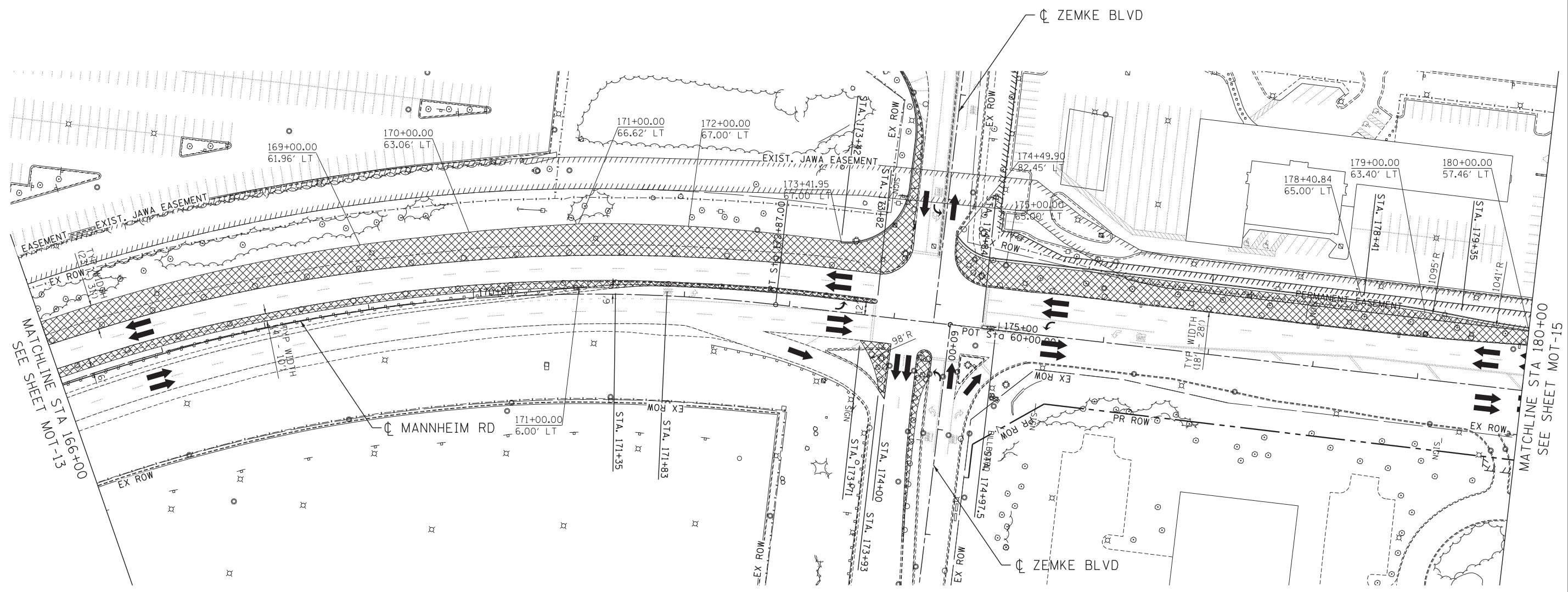
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			0105-WRS	COOK		537	94
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ILLINOIS FED. AID PROJECT							

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MATCHLINE STA 166+00
SEE SHEET MOT-13

MATCHLINE STA 180+00
SEE SHEET MOT-15

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)
						⑥	PVT MK - LTRS & SYMB		

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
3. WORK REQUIRING A TEMPORARY LANE AND/OR SHOULDER CLOSURE SHALL BE RESTRICTED TO ONE SIDE OF THE EXISTING PAVEMENT AT A TIME FOR EACH DIRECTION OF TRAFFIC.
4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PRE-STAGE**

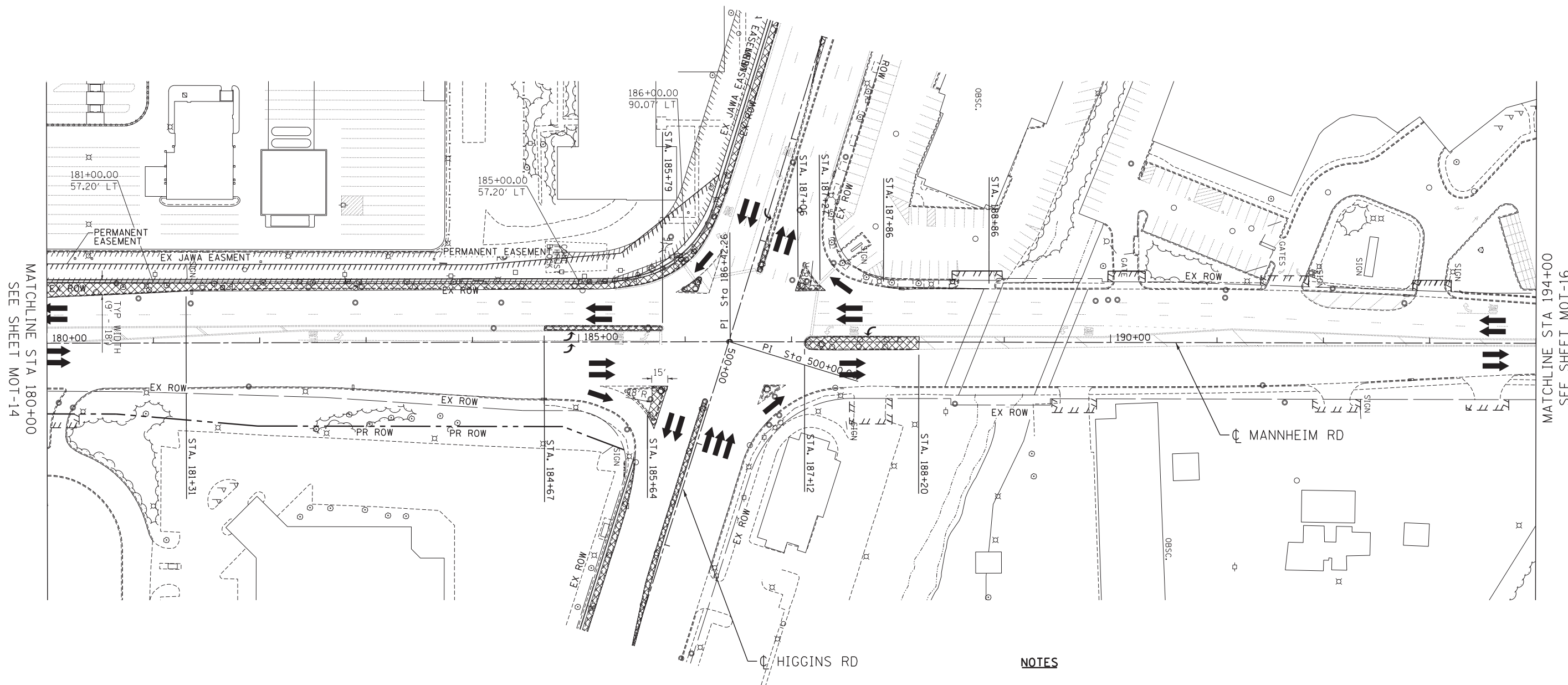
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	95
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

MOT-14



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
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4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

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 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

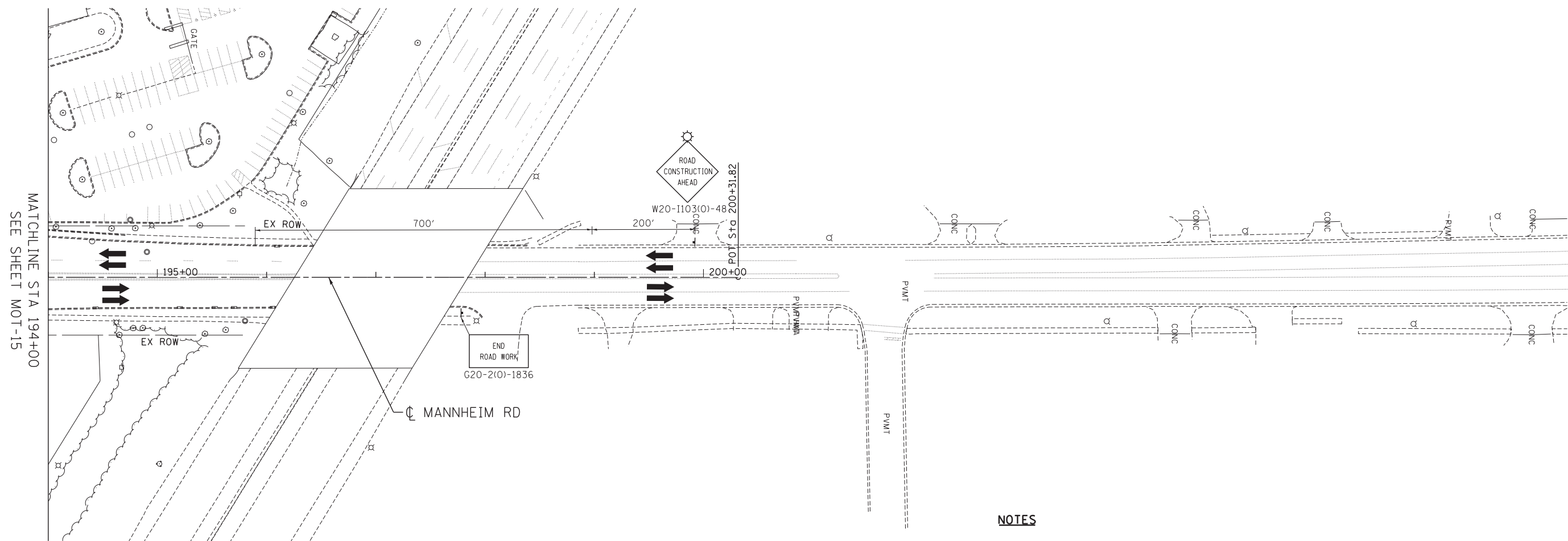
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PRE-STAGE			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 180+00 TO STA. 194+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	96
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				

MOT-15



NOTES

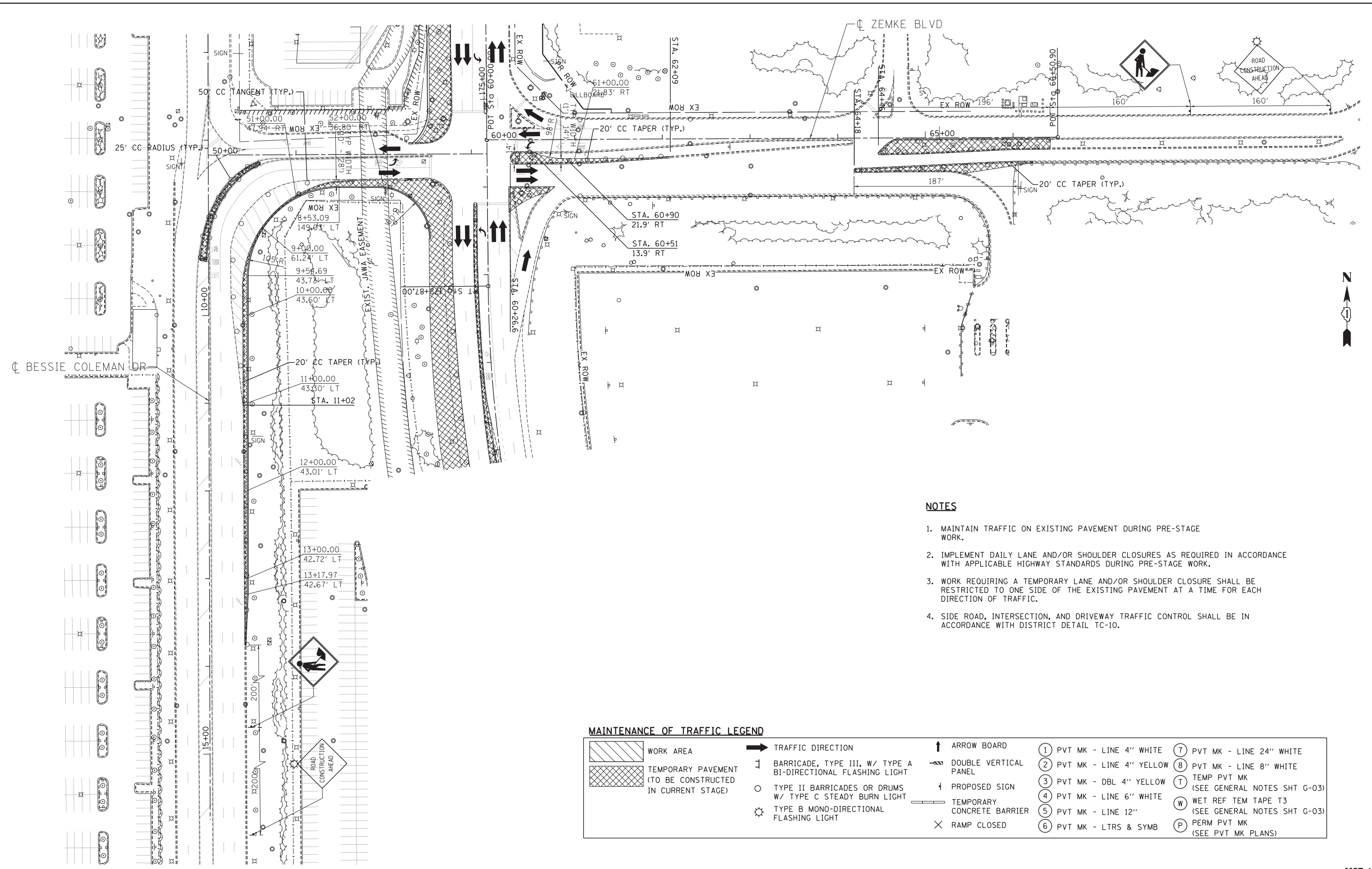
1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
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MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
		○	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
		☼	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
				×	RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)
						⑥	PVT MK - LTRS & SYMB		

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NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
3. WORK REQUIRING A TEMPORARY LANE AND/OR SHOULDER CLOSURE SHALL BE RESTRICTED TO ONE SIDE OF THE EXISTING PAVEMENT AT A TIME FOR EACH DIRECTION OF TRAFFIC.
4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)		PVT MK - LINE 6" WHITE		PERM PVT MK (SEE PVT MK PLANS)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		PVT MK - LINE 12"		PVT MK - LTRS & SYMB		PVT MK - LTRS & SYMB		

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 PRE-STAGE
 ZEMKE BOULEVARD**

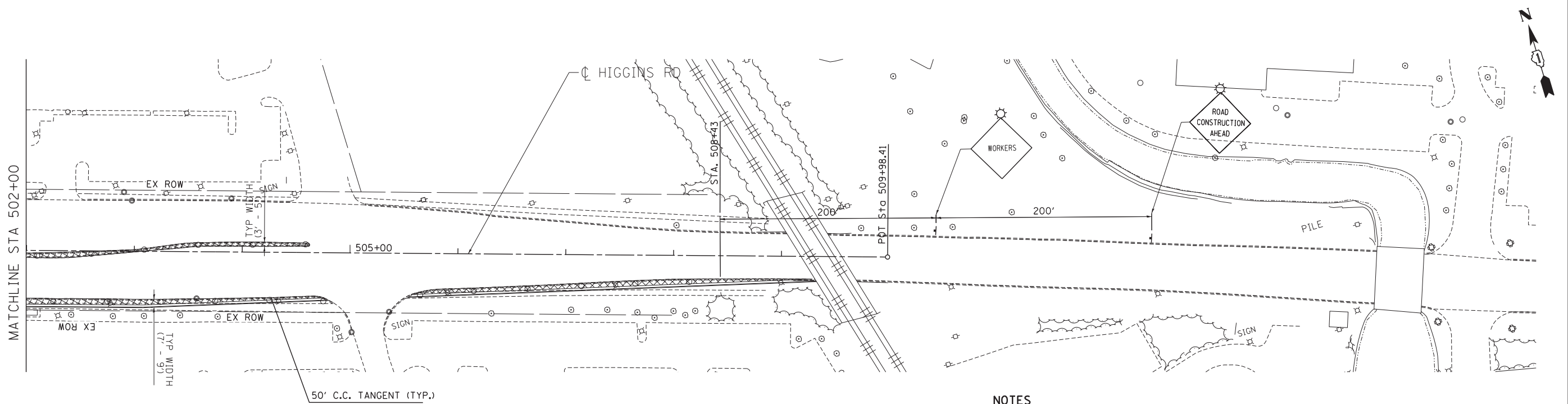
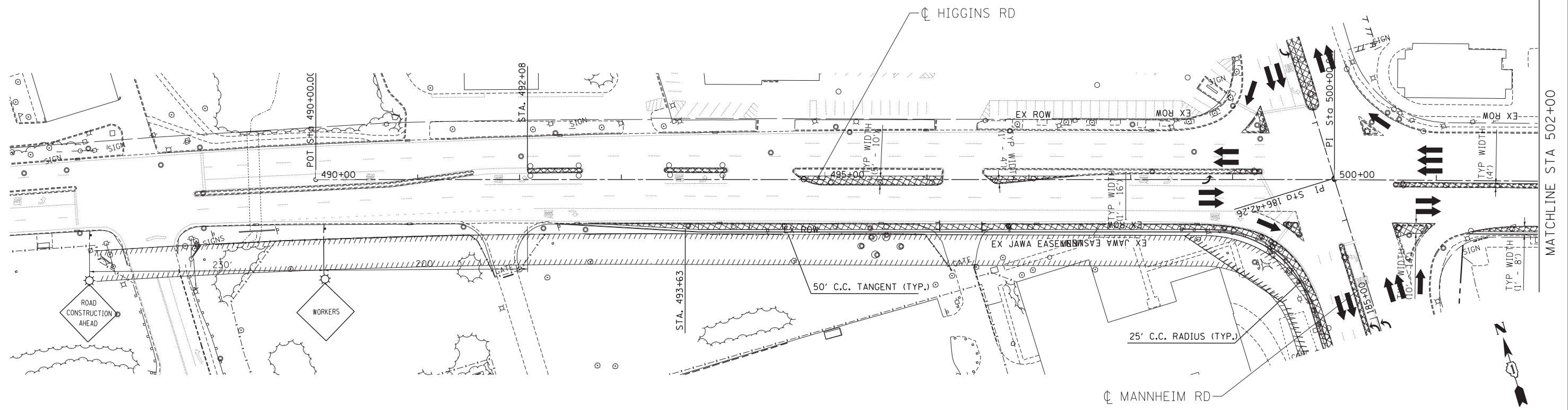
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	98
CONTRACT NO. 60P35				
ILLINOIS FED. AID PROJECT				



TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

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MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
		○	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
		⊙	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
				×	RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
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