

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	805	1
ILLINOIS			CONTRACT NO. 60G37	

60521 = 606

TRAFFIC DATA

	2009 ADT	2030 ADT
MANNHEIM ROAD	41,500	86,900
MONTROSE AVE	4,100	4,600
LAWRENCE AVE	17,300	23,950

	DESIGN SPEED	POSTED SPEED
MANNHEIM ROAD	50 MPH	50 MPH
MONTROSE AVE	30 MPH	30 MPH
LAWRENCE AVE	35 MPH	35 MPH

DESIGN DESIGNATION

MANNHEIM ROAD	7950(30) PRINCIPAL ARTERIAL 33.35(PCC-30)
MONTROSE AVE	420(30) COLLECTOR 33.35(PCC-30)
LAWRENCE AVE	2160(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 SOUTH (IRVING PARK ROAD (IL 19) TO I-190) RECONSTRUCTION

SECTION: 0105 WRS&HB
PROJECT: ACNHF-0330(070)

COOK COUNTY
C-91-399-09

VOLUME 1 OF 2



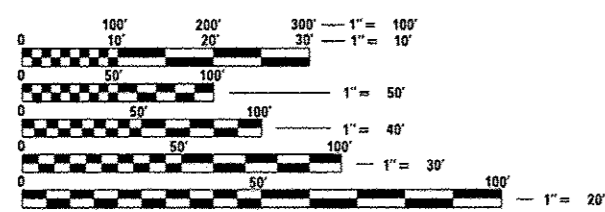
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 22 20 12

John Fontana
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

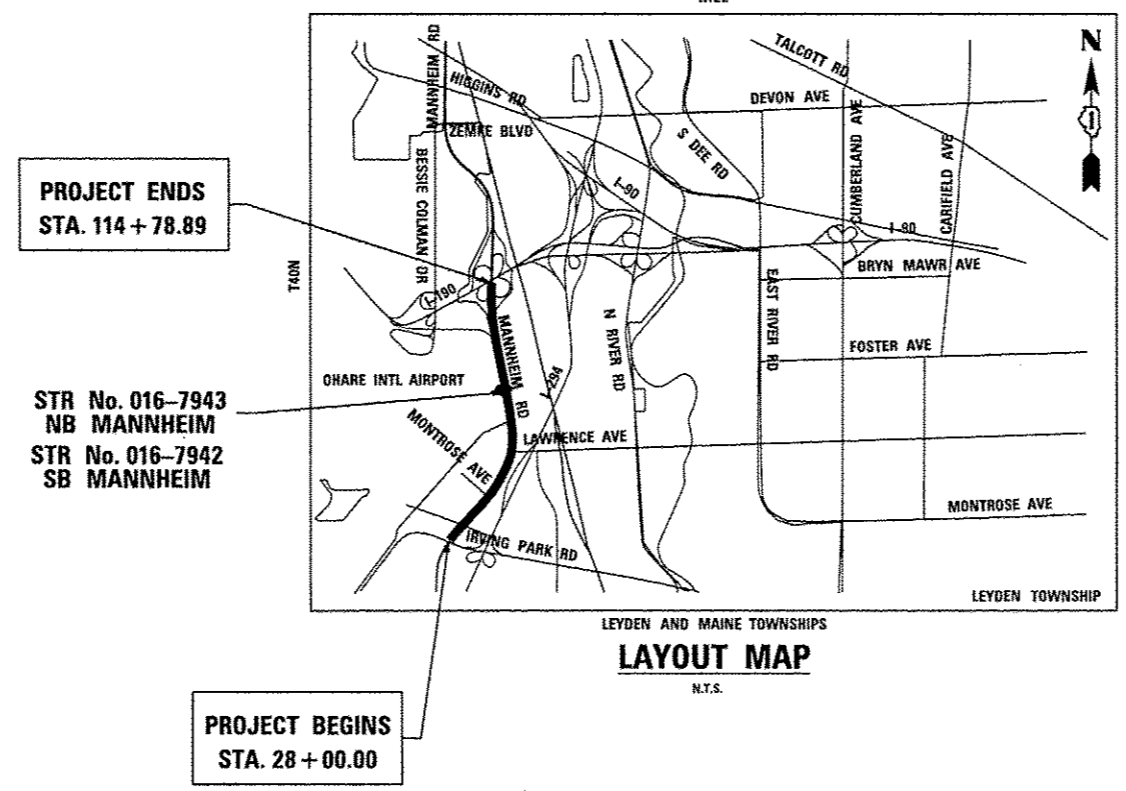
Dec 7 20 12
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

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



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



GROSS LENGTH = 8,678.89 FT. = 1.644 MILE
NET LENGTH = 8,678.89 FT. = 1.644 MILE

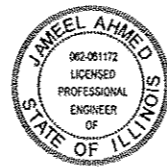
DISTRICT ONE DESIGN CONSULTANT SERVICES MANAGER: SERIN KELLER (847) 705-4556



HNTB CORPORATION

John Allen Lukowski 10/19/12
DATE

JOHN ALLEN LUKOWSKI
ILLINOIS REGISTRATION NO: 062-053522
EXP DATE: 11/30/2013
APPLY TO SHEETS:
1, 3-34, 47-51, 58-62, 64-73,
74-81, 178-194, 216-222,
334-336, 498-589



DELTA ENGINEERING GROUP, LLC

Jameel Ahmed 10/18/12
DATE

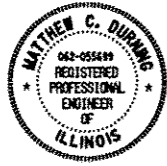
JAMEEL AHMED
ILLINOIS REGISTRATION NO: 062-061172
EXP DATE: 11/30/2013
APPLY TO SHEETS:
35-43, 260-286, 420-436



CHRISTOPHER B. BURKE ENGINEERING LTD.

Stephen N. Sugg 10/17/12
DATE

STEPHEN N. SUGG
ILLINOIS REGISTRATION NO: 062-044117
EXP DATE: 11/30/2013
APPLY TO SHEETS:
44-46, 52, 56-57, 63, 74-75, 177,
195-196, 197-200, 212, 259,
324-333, 590-605



HNTB CORPORATION

Matthew C. Durning 10/18/2012
DATE

MATTHEW C. DURNING
ILLINOIS REGISTRATION NO: 062-055699
EXP DATE: 11/30/2013
APPLY TO SHEETS:
287-288, 304-312



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:
313-315, 318-320, 322-323



HNTB CORPORATION

Youngjae Ju 10-18-12
DATE

YOUNGJAE JU
ILLINOIS REGISTRATION NO: 062-054024
EXP DATE: 11/30/2013
APPLY TO SHEETS:
437-462



GLOBETROTTERS ENGINEERING CORPORATION

Vinod N. Thanki 10/17/12
DATE

VINOD N. THANKI
ILLINOIS REGISTRATION NO: 062-047301
EXP DATE: 11/30/2013
APPLY TO SHEETS:
53-55, 82-88, 207-211, 213-215,
223, 252-253

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



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:
224-251



GLOBETROTTERS ENGINEERING CORPORATION

Frank J. Klavht 10/17/12
DATE

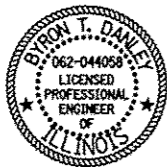
FRANK J. KLVHT
ILLINOIS REGISTRATION NO: 062-038303
EXP DATE: 11/30/2013
APPLY TO SHEETS:
289-303, 316-317, 321

DELTA ENGINEERING GROUP, LLC

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

GLOBETROTTERS ENGINEERING CORPORATION

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



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:
89-170



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:
171-176, 254-258

TERRA ENGINEERING LTD.

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

CHRISTOPHER B. BURKE ENGINEERING LTD.

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

HNTB	USER NAME = mksmr	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	DRAWN MMK	REVISED -					330	0105 WRS&HB	COOK	605	2
	PLOT DATE = 16-OCT-2012	CHECKED LLS	REVISED -					CONTRACT NO. 60637				
		DATE 10/19/12	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE: N.T.S.				SHEET NO. 1 OF 1 SHEETS				STA. N/A TO STA. N/A				

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G-02

HNTB	USER NAME * leupenbeck	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * 1:1	DRAWN <i>MMK</i>	REVISED -		330	0105 WRS&HB	COOK	605	3				
	PLOT DATE * 22-OCT-2012	CHECKED <i>LLS</i>	REVISED -		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A				CONTRACT NO. 60637				
DATE <i>10/19/12</i>				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-07	STORM SEWER CONNECTION TO EXISTING SEWER
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BD-48	PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER
BD-49	DETAIL OF C.L. SAWCUT 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-301	LIGHT POLE FOUNDATION, 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE-322	LIGHT POLE, FOUNDATION INTEGRAL WITH DOUBLE FACE BARRIER WALL
BE-410	LIGHT POLE, ALUMINUM, DAVIT TYPE, 47.5 FT. M.H.
BE-702	MISCELLANEOUS DETAILS, SHEET A - CABLE SPLICE, POLE WIRING, TRENCH DETAIL
BE-703	MISCELLANEOUS DETAILS, SHEET B, J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET, EXPANSION JOINT, - ELECTRIC CONNECTION TO UNDERPASS LIGHTING
BE-705	COMMUNICATIONS VAULT, COMPOSITE CONCRETE
BE-800	TEMPORARY LIGHTING
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-1000	CCTV CAMERA STRUCTURE 50' (15.24 m) 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
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
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
420401-09	BRIDGE APPROACH PAVMENT CONNECTOR
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
483001-04	PCC SHOULDER
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-04	TRAVERSABLE PIPE GRATE
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN, TYPE A
602101-02	DRAINAGE STRUCTURES TYPES 1, 2, & 3
602401-03	MANHOLE, TYPE A
602406-05	MANHOLE, TYPE A, 6' 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
604071-04	FRAME AND GRATE, TYPE 20
604081-04	FRAMES AND GRATES, TYPE 22
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
664001-02	CHAIN LINK FENCE

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
701101-03	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
701427-01	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
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720016-03	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-03	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
836001-02	LIGHT POLE FOUNDATION
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'
877002-02	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

HNTB	USER NAME: rnkasr	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 DETAILS AND HIGHWAY STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: 1/1	DRAWN: MMK	REVISED -					330	0105 WRS&HD	COOK	605	4
	PLOT DATE: 17-OCT-2012	CHECKED: LLS	REVISED -					CONTRACT NO. 60637				
	DATE: 10/19/12	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A								

FILE NAME: IP_PWDns47844\0168037-shr-gaenata2.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 THAT 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 OR EMBANKMENT 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.
- ALL PAVEMENT PATCHING SHALL BE PLACED AT LOCATIONS INDICATED IN THE PLANS AND AS APPROVED BY THE ENGINEER. THE DEPTH OF THE PATCH SHALL BE EQUAL TO THE THICKNESS OF EXISTING PAVEMENT AND SHALL NOT INCLUDE THE DEPTH OF HOT-MIX ASPHALT, 4"

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.

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 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 ± NDES	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/50 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: mh041r	DESIGNED: LLS/MMK	REVISED: -
	DRAWN: MMK	REVISED: -
PLOT SCALE: 1:1	CHECKED: LLS	REVISED: -
PLOT DATE: 29-NOV-2012	DATE:	REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS, AND MIXTURE REQUIREMENTS			
SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G37	

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 = mhobur	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&NB	COOK	605	5A				
	PLOT SCALE = 1/1	CHECKED <i>LLS</i>	REVISED -		CONTRACT NO. 60G37				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 29-NOV-2012	DATE	REVISED -		SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. N/A	TO STA. N/A					

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOSEL, 01	LOSEL, 01	LOSEL, 01	LOSEL, 01	LOSEL, 02	LOSEL, 03
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	836	70	766				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	140		140				
20101100	TREE TRUNK PROTECTION	EACH	14	14					
20101700	SUPPLEMENTAL WATERING	UNIT	8		8				
20200100	EARTH EXCAVATION	CU YD	162,409	61,483	100,926				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	18,535	12,897	5,638				
20800150	TRENCH BACKFILL	CU YD	4,916	4,622	294				
20900110	POROUS GRANULAR BACKFILL	CU YD	2,365				2,365		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	130,713	121,423	9,290				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,871	1,871					
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	64,486	36,386	28,100				
21101685	TOPSOIL FURNISH AND PLACE, 24"	SO YD	7,497	7,497					
25000210	SEEDING, CLASS 2A	ACRE	9.5	9.1	0.4				
25000310	SEEDING, CLASS 4	ACRE	5.4		5.4				

* SPECIALITY ITEM

S00-1



USER NAME * lsgpnhack	DESIGNED	REVISED
PLOT SCALE * 1:1	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COOK	605	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60637	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				TS-MONTROSE	TS-LAWRENCE
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,341	816	525				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,341	816	525				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,341	816	525				
25100630	EROSION CONTROL BLANKET	SQ YD	70,097	41,997	28,100				
25100900	TURF REINFORCEMENT MAT	SQ YD	3,772	3,772					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,489	907	582				
28000305	TEMPORARY DITCH CHECKS	FOOT	391	83	308				
28000400	PERIMETER EROSION BARRIER	FOOT	14,011	11,611	2,400				
28000500	INLET AND PIPE PROTECTION	EACH	16		16				
28000510	INLET FILTERS	EACH	163	163					
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	70,097	41,997	28,100				
28100105	STONE RIPRAP, CLASS A3	SQ YD	23		23				
28200200	FILTER FABRIC	SQ YD	23		23				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	5,259	5059	200				

* SPECIALITY ITEM

S00-2



USER NAME = leupenheck	DESIGNED	REVISED -
PLOT SCALE = 1/1	DRAWN	REVISED -
PLOT DATE = 22-OCT-2012	CHECKED	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&HB	COOK	605	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60637	

SUMMARY OF QUANTITIES

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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	130,314	121,634	8,280	400				
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SQ YD	135,816	127,971	7,845					
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	461	461						
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	104		104					
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	50		50					
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,853	1,853						
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	147		147					
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	760	760						
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	49		49					
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	591	591						
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	4,065		4,065					
42000516	PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" (JOINTED)	SQ YD	85,190	85,190						
42001300	PROTECTIVE COAT	SQ YD	90,089	90,089						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,847	2,847						

* SPECIALITY ITEM

S00-3

HNTB	USER NAME * leupancheck	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	DRAWN	REVISED -		330	0105 WRS&HB	COOK	605	8				
	PLOT DATE = 22-OCT-2012	CHECKED	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60637			
	DATE 10/19/12	REVISOR	REVISED -		ILLINOIS FED. AID PROJECT								

FILE NAME = IP:\PWP\dms47044\0168037-shc-500_03.dgn

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

80% FED. / 20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY	BALMORAL	BRIDGE	LIGHTING	TS-MONTROSE	TS-LAWRENCE	
				0003 URBAN	0003 URBAN	0008 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	
44000100	PAVEMENT REMOVAL	SQ YD	103,253	103,253						
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	5,567	5,567						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,673	3,673						
44004000	PAVED DITCH REMOVAL	FOOT	582	582						
44004250	PAVED SHOULDER REMOVAL	SQ YD	31,567	31,567						
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	390	250	140					
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	500	500						
48101620	AGGREGATE SHOULDERS, TYPE B, 10"	SQ YD	1,722	1,222	500					
48203040	HOT-MIX ASPHALT SHOULDERS, 10 3/4"	SQ YD	1,093	1,093						
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	2,730		2,730					
48300515	PORTLAND CEMENT CONCRETE SHOULDERS 10 3/4"	SQ YD	25,872	25,872						
50200100	STRUCTURE EXCAVATION	CU YD	9,505			9,505				
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	885			885				
50300225	CONCRETE STRUCTURES	CU YD	2,242.1			2,242.1				

* SPECIALITY ITEM

S00-4



USER NAME: jseparatich	DESIGNED	REVISED -
	DRAWN	REVISED -
PLOT SCALE: 1/4"	CHECKED	REVISED -
PLOT DATE: 22-OCT-2012	DATE: 10/19/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60037	

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

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1,240.7			1,240.7				
50300260	BRIDGE DECK GROOVING	SQ YD	2,688			2,688				
50300285	FORM LINER TEXTURED SURFACE	SQ FT	7,774			7,774				
50300300	PROTECTIVE COAT	SQ YD	10,224		7,135	3,089				
50500305	ERECTING STRUCTURAL STEEL	L SUM	1			1				
50500505	STUD SHEAR CONNECTORS	EACH	10,465			10,465				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	497,680			497,680				
50800515	BAR SPLICERS	EACH	719			719				
51100100	SLOPE WALL 4 INCH	SQ YD	1,670			1,670				
51500100	NAME PLATES	EACH	2			2				
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	126			126				
52000110	PREFORMED JOINT STRIP SEAL	FOOT	368			368				
52100210	ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	20			20				
52100520	ANCHOR BOLTS, 1"	EACH	40			40				

* SPECIALITY ITEM

S00-5



USER NAME: lspanolchek	DESIGNED	REVISED -
PLOT SCALE: 1"=10'	DRAWN	REVISED -
PLOT DATE: 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 10
CONTRACT NO. 60637				

SUMMARY OF QUANTITIES

80% FED / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
52100530	ANCHOR BOLTS, 1 1/4"	EACH	40			40				
542A0217	PIPE CULVERTS, CLASS A, TYPE 1, 12"	FOOT	61		61					
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	1	2					
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2		2					
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2		2					
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1						
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2		2					
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	2		2					
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	407	234	173					
550A0090	STORM SEWERS, CLASS A, TYPE 1, 18"	FOOT	187		187					
550A0140	STORM SEWERS, CLASS A, TYPE 1, 30"	FOOT	64		64					
550A0340	STORM SEWERS, CLASS A, TYPE 2, 12"	FOOT	4,587	4,169	418					
550A0360	STORM SEWERS, CLASS A, TYPE 2, 15"	FOOT	26		26					
550A0380	STORM SEWERS, CLASS A, TYPE 2, 18"	FOOT	1,721	1,721						

* SPECIALITY ITEM

S00-6



USER NAME * laupercheck	DESIGNED	REVISED
PLOT SCALE = 1:1	DRAWN	REVISED
PLOT DATE = 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60637	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN		
550A0410	STORM SEWERS, CLASS A, TYPE 2, 24"	FOOT	806	580	226				
550A0430	STORM SEWERS, CLASS A, TYPE 2, 30"	FOOT	246	170	76				
550A0450	STORM SEWERS, CLASS A, TYPE 2, 36"	FOOT	1,726	1,726					
550A0470	STORM SEWERS, CLASS A, TYPE 2, 42"	FOOT	758	758					
550A0640	STORM SEWERS, CLASS A, TYPE 3, 12"	FOOT	171	171					
550A0660	STORM SEWERS, CLASS A, TYPE 3, 15"	FOOT	72		72				
550A0710	STORM SEWERS, CLASS A, TYPE 3, 24"	FOOT	497	497					
550A0770	STORM SEWERS, CLASS A, TYPE 3, 42"	FOOT	416	416					
550A0780	STORM SEWERS, CLASS A, TYPE 3, 48"	FOOT	1,356	1,356					
550A1080	STORM SEWERS, CLASS A, TYPE 4, 48"	FOOT	3,021	1,637	1,384				
55100200	STORM SEWER REMOVAL 6"	FOOT	25	25					
55100300	STORM SEWER REMOVAL 8"	FOOT	219	219					
55100400	STORM SEWER REMOVAL 10"	FOOT	1,956	1,956					
55100500	STORM SEWER REMOVAL 12"	FOOT	2,541	2,541					

* SPECIALITY ITEM

S00-7



USER NAME * jsupercheck	DESIGNED	REVISED -
PLOT SCALE = 1/1"	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 12
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN		
55100700	STORM SEWER REMOVAL 15"	FOOT	1,119	1,119					
55100900	STORM SEWER REMOVAL 18"	FOOT	229	229					
55101200	STORM SEWER REMOVAL 24"	FOOT	2,014	2,014					
55101400	STORM SEWER REMOVAL 30"	FOOT	780	780					
55101600	STORM SEWER REMOVAL 36"	FOOT	251	251					
55101900	STORM SEWER REMOVAL 48"	FOOT	1,346	1,346					
55201600	STORM SEWERS JACKED IN PLACE, 48"	FOOT	115	55	60				
58700300	CONCRETE SEALER	SQ FT	2,410			2,410			
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	2,117			2,117			
60100081	SHOULDER REMOVAL AND REPLACEMENT, 12"	FOOT	600		600				
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	6	4	2				
60201310	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 20 FRAME AND GRATE	EACH	12	12					
60201340	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	EACH	124	117	7				

* SPECIALITY ITEM

S00-8



USER NAME * lsupancheck	DESIGNED	REVISED -
PLOT SCALE - 1/4"	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 13
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60637

80% FED. / 20% STATE

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

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY	BALMORAL	BRIDGE	LIGHTING	TS-MONTROSE	TS-LAWRENCE	
				0003 URBAN	0003 URBAN	0008 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	
60204505	CATCH BASINS, TYPE A, 5' DIAMETER, TYPE B GRATE	EACH	1		1					
60218400	MANHOLES, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID	EACH	8	4	4					
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	29	29						
60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2						
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	14	3					
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2					
60247160	DRAINAGE STRUCTURES, TYPE 1 WITH TWO TYPE 20 FRAMES AND GRATES	EACH	13	13						
60247170	DRAINAGE STRUCTURES, TYPE 2 WITH TWO TYPE 22 FRAMES AND GRATES	EACH	1	1						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1		1					
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2						
60260100	INLETS TO BE ADJUSTED	EACH	1	1						
60500040	REMOVING MANHOLES	EACH	56	55	1					
60500050	REMOVING CATCH BASINS	EACH	18	17	1					

14 * SPECIALITY ITEM

S00-9



USER NAME * Isupaneback	DESIGNED	REVISED -
PLOT SCALE = 1/1	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COOK	605	14
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
6050060	REMOVING INLETS	EACH	28	28						
60602800	CONCRETE GUTTER, TYPE B	FOOT	330		330					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	854	854						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,512	562	950					
60608521	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24	FOOT	100		100					
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	17,591	17,591						
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	965	965						
60622320	CONCRETE MEDIAN, TYPE SM-4.24	SQ FT	1,305	1,305						
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	929	929						
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1,648	998	650					
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1		1					
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2	2						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	1	1					
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	EACH	2		2					

* SPECIALITY ITEM

S00-10



USER NAME: lsuppencheck	DESIGNED	REVISED -
PLOT SCALE: 1/11	DRAWN	REVISED -
PLOT DATE: 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 15
CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	

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

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) FLARED	EACH	3	3						
63200310	GUARDRAIL REMOVAL	FOOT	9,229	9,229						
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	442	442						
63700155	CONCRETE BARRIER, SINGLE FACE, 32 INCH HEIGHT	FOOT	700	700						
63700255	CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT	FOOT	3,760	3,760						
63700900	CONCRETE BARRIER BASE	FOOT	4,600	4,600						
64300260	IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	3	3						
64300530	IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3	EACH	1		1					
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	151	151						
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	169	169						

* SPECIALITY ITEM

S00-11



USER NAME * lcupancheck	DESIGNED	REVISED -
	DRAWN	REVISED -
PLOT SCALE * 1:1	CHECKED	REVISED -
PLOT DATE * 27-OCT-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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	16
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED./20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	69,459	69,459						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,270	1,270						
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	4,826	4,826						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	341	341						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	185	185						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	67,874	67,874						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	15,872	15,872						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	13,534	13,434	100					
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	485	343	76			33	33	
* 72000200	SIGN PANEL - TYPE 2	SQ FT	438	404				17	17	
* 72000300	SIGN PANEL - TYPE 3	SQ FT	2,362	2,362						
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6						
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	8	8						

* SPECIALITY ITEM

S00-12



USER NAME: jsupancheck	DESIGNED	REVISED
PLOT SCALE: 1:1	DRAWN	REVISED
PLOT DATE: 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 17
CONTRACT NO. 60637				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

80% FED./20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BALMORAL	BRIDGE	LIGHTING	TS-MONTROSE	TS-LAWRENCE
				0003 URBAN	0003 URBAN	0008 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	482	482					
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	304	304					
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	1,470	1,470					
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	3	3					
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	20	20					
72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	300	300					
72700100	STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY	POUND	3,432	3,432					
72900100	METAL POST - TYPE A	FOOT	438	310	128				
72900200	METAL POST - TYPE B	FOOT	202	162	40				
73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	289	289					
73301805	OVERHEAD SIGN STRUCTURE - BUTTERFLY, TYPE III-F-A	FOOT	32	32					
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	32	32					
73302210	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")	FOOT	67	67					
73400100	CONCRETE FOUNDATIONS	CU YD	25	25					

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* SPECIALITY ITEM

S00-13



USER NAME * lsupendcheck	DESIGNED	REVISED
PLOT SCALE * 1:1	DRAWN	REVISED
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COOK	605	18
CONTRACT NO. 60637				
[ILLINOIS] FED. AID PROJECT				

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	100	100						
* 73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1	1						
* 73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2	2						
• 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73	73						
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,315	2,315						
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	134	134						
• 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	898	898						
• 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	50,755	46,155	4,600					
• 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	3,813	3,813						
• 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	6,263	6,263						
• 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	1,407	1,407						
• 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	300	300						
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	976	976						
• 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	62	62						

* SPECIALITY ITEM

S00-14



USER NAME: jaspercheck	DESIGNED	REVISED -
PLOT SCALE: 1/1	DRAWN	REVISED -
PLOT DATE: 22-OCT-2012	CHECKED	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 WRSSHB	COOK	605	19
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
* 78200430	GUARDRAIL MARKERS, TYPE C	EACH	10		10					
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	1,095	1,075	20					
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4					
78300100	PAVEMENT MARKING REMOVAL	SO FT	26,141	26,141						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	917	917						
• 80400100	ELECTRIC SERVICE INSTALLATION	EACH	4	1	1		2			
• 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0.5			0.5			
• 81023300	CONDUIT ENCASED, CONCRETE, 2" DIA., PVC 2 WIDE X 1 HIGH	FOOT	1,200		1,200					
• 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,568	149				680	739	
• 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	263		130			81	52	
• 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1,960	30			1,618	71	241	
• 81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	298	298						
• 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	8,069	6,818				643	608	
• 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	125		125					

* SPECIALITY ITEM

S00-15



USER NAME * laupencheck	DESIGNED	REVISED -
PLOT SCALE * 1:1	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	REVISED -
	DATE 10/19/12	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. 330	SECTION 0105 WRS&HG	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 20
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

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

80% FED. / 20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	2,750		2,750					
81100220	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,500		1,500					
81100510	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	400		400					
81100800	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	20				20			
81200200	CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC	FOOT	110		110					
81200215	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA. PVC	FOOT	420		420					
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	765				765			
81200250	CONDUIT EMBEDDED IN STRUCTURE, 3" DIA., PVC	FOOT	8,656	8,656						
81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	9,444				9,444			
81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x8"	EACH	8		8					
81300730	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	2				2			
81301370	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	5				5			
81304000	JUNCTION BOX EMBEDDED IN STRUCTURE 8"x8"x6"	EACH	8		8					
81304800	JUNCTION BOX EMBEDDED IN STRUCTURE 18"x18"x10"	EACH	6	6						

14 * SPECIALITY ITEM



USER NAME = Isupanchack	DESIGNED	REVISED -
	DRAWN	REVISED -
PLOT SCALE = 1:1	CHECKED	REVISED -
PLOT DATE = 22-OCT-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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G37	

S00-16

80% FED. / 20% STATE

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

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
81400100	HANDHOLE	EACH	23	15				4	4
81400200	HEAVY-DUTY HANDHOLE	EACH	6	2				2	2
81400300	DOUBLE HANDHOLE	EACH	4					2	2
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2		2				
81603081	UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE) 1 1/2" DIA. POLYETHYLENE	FOOT	19,526				19,526		
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,600		1,600				
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	20,274	474	19,800				
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	5,988	1,488	4,500				
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3,900		3,900				
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	495				495		
81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	150				150		
81702200	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE UDE) 3-1/C 350MCM	FOOT	149				149		
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	482	289			193		
81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	26,437				26,437		

* SPECIALITY ITEM

S00-17



USER NAME: jsupancheck	DESIGNED	REVISED -
PLOT SCALE: 1:1	DRAWN	REVISED -
PLOT DATE: 22-OCT-2012	CHECKED	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&HB	COOK	605	22
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED./20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	52				52		
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	161				161		
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	28				28		
82107100	UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	7		7				
82107200	UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	143				143		
82107700	UNDERPASS LUMINAIRE, 400 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	27		27				
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP	EACH	1		1				
83001250	LIGHT POLE, ALUMINUM, 35 FT. M.H., 6 FT. DAVIT ARM - TWIN	EACH	1				1		
83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	10				10		
83050825	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	62				62		
83050915	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. DAVIT ARMS	EACH	9				9		
83057295	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	102				102		
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	1,260				1,260		
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	18		18				

* SPECIALITY ITEM

S00-18



USER NAME * jspencheck	DESIGNED	REVISED -
PLOT SCALE = 1/4"	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COOK	605	23
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% VILLAGE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
• 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	119		15		104		
• 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	80				80		
• 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	161				161		
• 84200500	REMOVAL LIGHTING UNIT, SALVAGE	EACH	202				202		
• 84200804	REMOVAL OF POLE FOUNDATION	EACH	141		3		138		
• 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3		3				
• 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2				2		
• 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2				2		
• 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1				1		
• 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1					
• 86400100	TRANSCEIVER - FIBER OPTIC	EACH	2					1	1
• 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,118	4,118					
• 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2033					1,006	1027
• 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	7,442					3,619	3,823

* SPECIALITY ITEM

S00-19



USER NAME: jspencheck	DESIGNED	REVISED -
PLOT SCALE: 1/8"	DRAWN	REVISED -
PLOT DATE: 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 24
CONTRACT NO. 60637			[ILLINOIS] FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BALMORAL	BRIDGE	LIGHTING	TS-MONTROSE	TS-LAWRENCE
				0003 URBAN	0003 URBAN	0008 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1435					939	496
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7,969					4,285	3,684
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	75					32	43
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,725					1,444	1,281
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2					1	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2					1	1
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1						1
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2					2	
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1						1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1					1	
87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	2					1	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24					12	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8					4	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10						10

* SPECIALITY ITEM

S00-20



USER NAME = lsupencheck	DESIGNED	REVISED -
PLOT SCALE = 1/4"	DRAWN	REVISED -
PLOT DATE = 22-OCT-2012	CHECKED	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&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 25
CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48					35	13
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42					21	21
87900200	DRILL EXISTING HANDHOLE	EACH	2	2					
88030012	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	1						1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	16					8	8
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2					1	1
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1						1
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1					1	
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3					2	1
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2					1	1
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2					1	1
88200210	TRAFFIC SIGNAL BACKPLATE LOUVERED, ALUMINUM	EACH	21					12	9
88500100	INDUCTIVE LOOP DETECTOR	EACH	23					12	11
88600100	<i>DETECTOR LOOP, TYPE 1</i>	<i>FOOT</i>	<i>228</i>	<i>228</i>					
88600700	PREFORMED DETECTOR LOOP	FOOT	1839					1107	732

* SPECIALITY ITEM

S00-21



USER NAME: kspancheck	DESIGNED	REVISED
PLOT SCALE: 1/11	DRAWN	REVISED
PLOT DATE: 22-OCT-2012	CHECKED	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&HG	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 26
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
• 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2					1	1
<i>89501400</i>	<i>RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT</i>	<i>EACH</i>	<i>6</i>					<i>3</i>	<i>3</i>
• 89502200	MODIFY EXISTING CONTROLLER	EACH	1	1					
<i>89501410</i>	<i>RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT</i>	<i>EACH</i>	<i>2</i>					<i>1</i>	<i>1</i>
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1					
• 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1010	1010					
• 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2					1	1
• 89502380	REMOVE EXISTING HANDHOLE	EACH	38	7	4		10	9	8
• 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	20					10	10
X0321809	PERMANENT GROUND ANCHOR	EACH	50			50			
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	6	6					
X0323260	SEDIMENT BASIN	EACH	1	1					
X0324044	EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN	EACH	2	2					
<i>X0324085</i>	<i>EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C</i>	<i>FOOT</i>	<i>1954</i>					<i>1006</i>	<i>948</i>
* X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	7,820			7,820			
X0324807	CLOSED CIRCUIT TELEVISION CABINET EQUIPMENT	EACH	2	2					
• X0324915	RELOCATE LIGHTING UNITS AND POLES	EACH	4				4		

* SPECIALITY ITEM

S00-22



USER NAME • lsopenback	DESIGNED	REVISED -
PLOT SCALE • 1/4"	DRAWN	REVISED -
PLOT DATE • 22-OCT-2012	CHECKED	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 WRSAB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 27
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED./20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	13,619	13,619						
X0325405	FILL EXISTING STORM SEWERS	CU YD	6		6					
X0326465	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM	L SUM	1	1						
X0326802	UTILITY STRUCTURE REMOVAL	EACH	1		1					
X0326887	WOOD POLE, 25 FT, CLASS 4	EACH	52				52			
X0326945	CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT	EACH	1	1						
X0326948	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, 50 FT. MOUNTING HEIGHT	EACH	2	2						
X0326949	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE FOUNDATION, 30" DIAMETER	FOOT	26	26						
X0326955	REMOVAL AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	1				1			
X0326967	REINFORCED CONCRETE DUCT BANK REMOVAL	FOOT	1,950		1,950					
X0327130	DMS FRONT ACCESS, FULL MATRIX, NTCIP 1203 V2-COLOR	EACH	1	1						
X0327216	CLOSED CIRCUIT TELEVISION CAMERA	EACH	3	3						
X0327332	FIBER CONNECTIVITY TO IDOT DISTRICT 1	L SUM	1	1						
X0327349	TEMPORARY WOOD POLE, 40FT., CLASS 4	EACH	10				10			

* SPECIALITY ITEM

S00-23



USER NAME * lsupencheck	DESIGNED	REVISED -
PLOT SCALE * 1:1	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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\$HB	COOK	605	28
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

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

80% FED./20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
X0327436	2-WAY 2 - 6" PVC DUCT BANK 1 HIGH BY 2 WIDE	FOOT	480		480					
X0327442	12-WAY 12 - 6" PVC DUCT BANK 4 HIGH BY 3 WIDE	FOOT	1,120		1,120					
X0335700	PUMP STATION GENERAL WORK	L SUM	1		1					
X0426200	DEWATERING	L SUM	1	1						
X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	600		600					
X4403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	14,273	14,273						
X5030230	SPECIAL STRUCTURE	EACH	2		2					
X6020084	MANHOLE, SPECIAL	EACH	3		3					
X6020090	MANHOLES, WITH RESTRICTOR PLATE	EACH	2	1	1					
X6060097	CLASS SI CONCRETE (OUTLET), SPECIAL	CU YD	8	8						
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	174	174						
X6061902	CONCRETE MEDIAN, TYPE SM (SPECIAL)	SQ FT	5,783	5,783						
X6640535	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	FOOT	595		595					
X6640560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	85		85					

* SPECIALITY ITEM

S00-24



USER NAME * laupandack	DESIGNED	REVISED -
PLOT SCALE * 1:1	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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&HB	COOK	805	29
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

80% FED / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
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	411	411						
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	102,320	102,320						
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	2,444	2,444						
X7030045	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	11,106	11,106						
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	682	682						
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	542	542						
X7040650	REMOVE TEMPORARY CONCRETE BARRIER	FOOT	197		197					
* X7330064	SIGN SUPPORT, SPECIAL	EACH	2		2					
• X8040500	RELOCATE ELECTRIC SERVICE	L SUM	1				1			
• X8050095	SERVICE INSTALLATION (SPECIAL)	EACH	2					1	1	
• X8140105	HANDHOLE (SPECIAL)	EACH	1				1			
• X8140225	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	EACH	4		4					

14 • SPECIALITY ITEM

S00-25



USER NAME: jsupanchuck	DESIGNED	REVISED -
PLOT SCALE: 1/4"	DRAWN	REVISED -
PLOT DATE: 22-OCT-2012	CHECKED	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&HD	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 30
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

80% FED. / 20% STATE

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

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN	TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN	
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	7		7					
X8251388	LIGHTING CONTROLLER, BASE MOUNTED, 480V, 200AMP (DUAL), RADIO SCADA	EACH	2				2			
X8300001	LIGHT POLE, SPECIAL	EACH	15		15					
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2					1	1	
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2					1	1	
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,954					1,006	948	
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F & SM12F	FOOT	4,118	4,118						
X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	12,462	12,462						
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1,029	1,029						
X8710071	FIBER OPTIC FUSION SPLICE	EACH	3	3						
X8780105	CONCRETE FOUNDATIONS (SPECIAL)	EACH	1		1					
X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1				1			
X8950115	RELOCATE LIGHT DETECTOR	EACH	6					3	3	
X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	2					1	1	

* SPECIALITY ITEM

S00-26



USER NAME * loupcheck	DESIGNED	REVISED -
PLOT SCALE = 1:1	DRAWN	REVISED -
PLOT DATE * 22-OCT-2012	CHECKED	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. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	31
			CONTRACT NO. 60637	
ILLINOIS FED. AID PROJECT				

80% FED. / 20% STATE

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

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BALMORAL	BRIDGE	LIGHTING	TS-MONTROSE	TS-LAWRENCE
				0003 URBAN	0003 URBAN	0008 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
Z0004002	BOLLARDS	EACH	11		11				
* Z0007118	UNTREATED TIMBER LAGGING	SQ FT	6,965			6,965			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0016702	DETOUR SIGNING	L SUM	1	1					
Z0022800	FENCE REMOVAL	FOOT	1,150		1,150				
Z0023500	FILLING EXISTING CULVERTS	CU YD	2		2				
Z0026402	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	1,746			1,746			
Z0026404	FURNISHING SOLDIER PILES (W SECTION)	FOOT	743			743			
* 70600256	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	10	10					
* 70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	4	4					
* 70600290	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, WIDE), TEST LEVEL 3	EACH	3	3					
* 70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	6					
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	2,249	2,249					
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	126				126		
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	L SUM	1	1					

14 * SPECIALITY ITEM

S00-27

HNTB	USER NAME: lsupencheck	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: 1:1	DRAWN: MMK	REVISED -					330	0105 WRS&HB	COOK	605	32
	PLOT DATE: 22-OCT-2012	CHECKED: LLS	REVISED -					CONTRACT NO. 60637				
	DATE: 10/19/12	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET NO. 27 OF 28 SHEETS	STA.	TO STA.					

SUMMARY OF QUANTITIES

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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				TS-MONTROSE 0021 URBAN	TS-LAWRENCE 0021 URBAN
				ROADWAY 0003 URBAN	BALMORAL 0003 URBAN	BRIDGE 0008 URBAN	LIGHTING 0021 URBAN		
• Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2	2					
• Z0033052	COMMUNICATIONS VAULT	EACH	4	4					
Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	1,477			1,477			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	74	74					
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	20	20					
Z0056626	STORM SEWER (WATER MAIN REQUIREMENTS) 48 INCH	FOOT	40	40					
Z0062456	TEMPORARY PAVEMENT	SQ YD	41,660	41,660					
Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	690	690					
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	4,020			4,020			
• Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2				1	1	
X4201050	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4 (JOINTED)	SQ YD	275	275					
• X8301051	MAST ARM, ALUMINUM, 20 FT.	EACH	52			52			
• X8300415	LIGHT POLE, STAINLESS STEEL, 15 FT. M.H.	EACH	15			15			
• X8300420	LIGHT POLE, STAINLESS STEEL, 17.5 FT. M.H.	EACH	56			56			

• SPECIALITY ITEM

S00-28



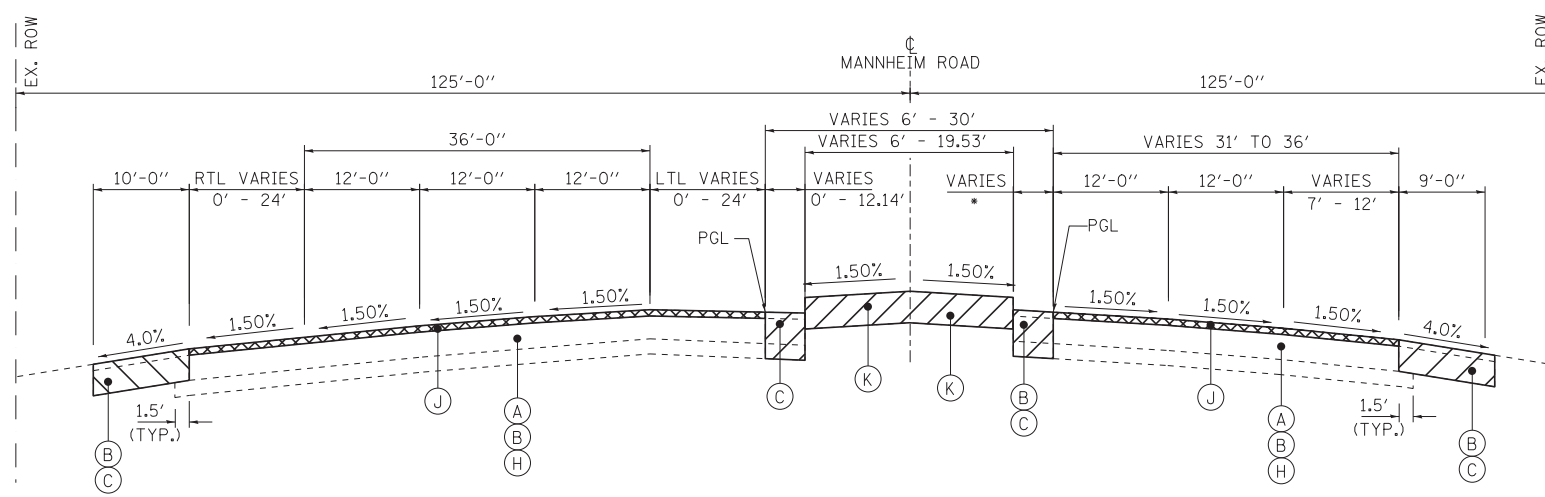
USER NAME	DESIGNED	REVISED
• lsupencheck		-
DRAWN	CHECKED	REVISED
MMK	LLS	-
DATE	DATE	REVISED
10/19/12		-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 28 OF 28 SHEETS STA. TO STA.

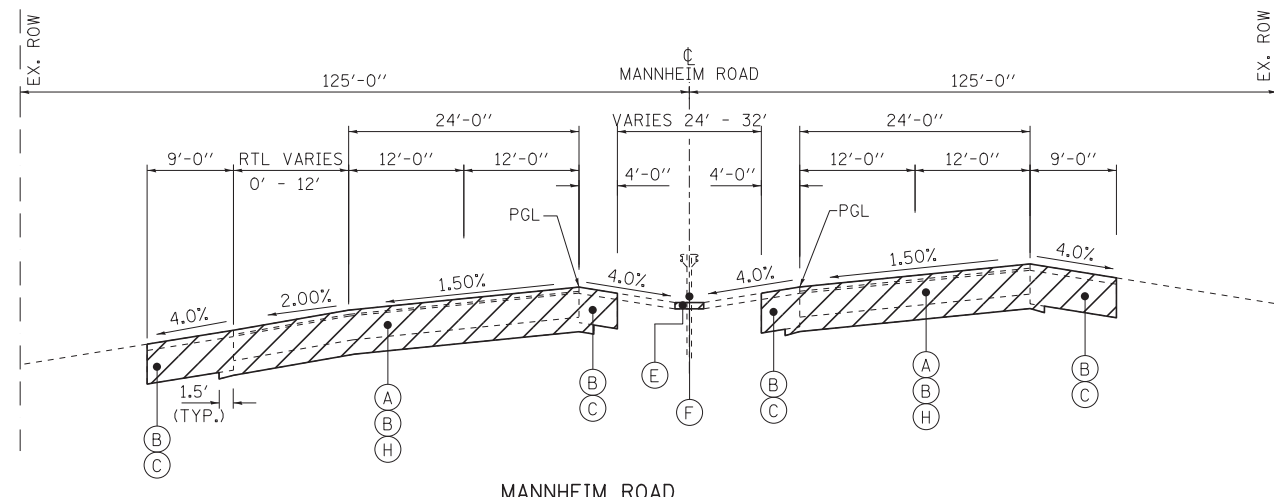
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	33
CONTRACT NO. 60637			ILLINOIS FED. AID PROJECT	



MANNHEIM ROAD

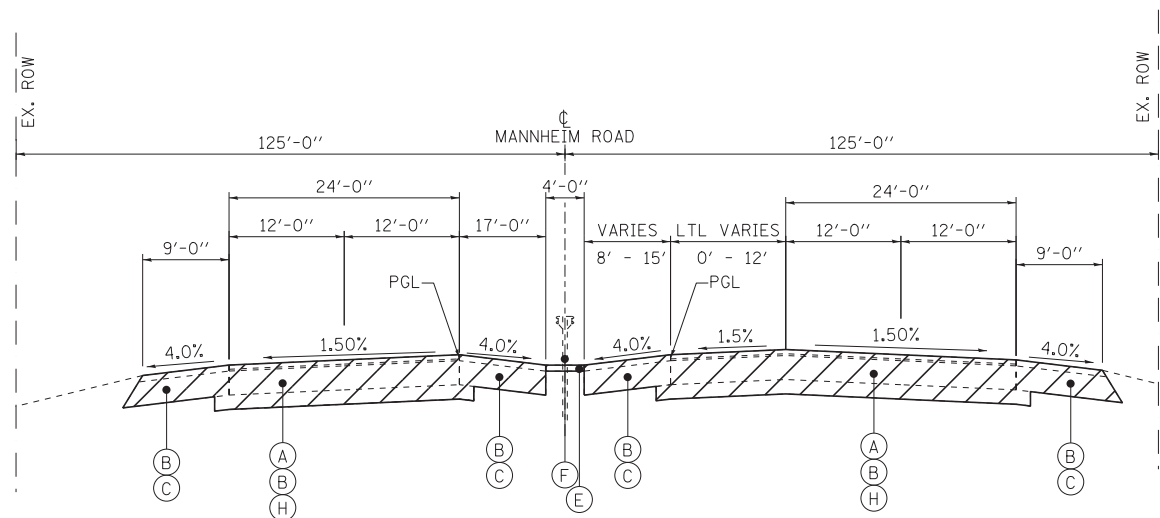
STA. 28+00 TO STA. 32+97.98 (MILLING & RESURFACING - NB/SB)

- HMA PAVEMENT REMOVAL VARIES FROM 0' - 4.2'
- HMA SHOULDER REMOVAL 8.5' WIDTH FROM STA. 32+75.45 TO STA. 32+97.98



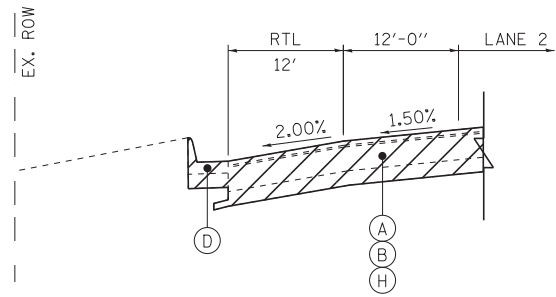
MANNHEIM ROAD

STA. 45+44.00 TO STA. 61+00.00 (NB/SB)
LAWRENCE INTERSECTION: STA. 61+00.00 TO STA. 62+00.00 (NB/SB)



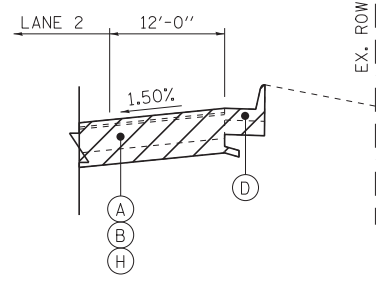
MANNHEIM ROAD

STA. 32+97.98 TO STA. 43+82.00 (NB/SB)
MONTROSE INTERSECTION: STA. 43+82.00 TO STA. 45+44.00 (NB/SB)



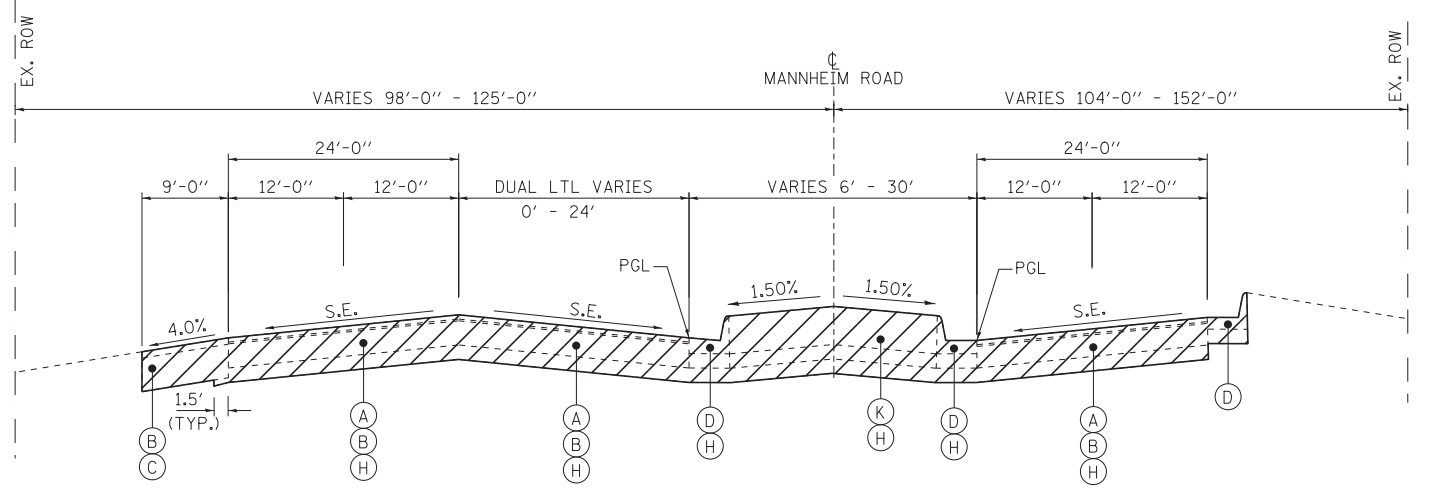
MANNHEIM ROAD

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MANNHEIM ROAD

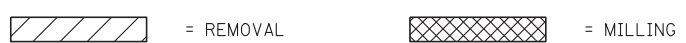
STA. 57+22.54 TO STA. 61+00.00 (NB)



MANNHEIM ROAD

STA. 62+00.00 TO STA. 66+68.27 (NB/SB)

EXISTING LEGEND:



- | | |
|---|---|
| (A) PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 8.0" 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" MIN - COLD MILL) |
| (E) SHOULDER STABILIZATION | (K) CONCRETE MEDIAN |
| (F) GUARDRAIL | (L) PORTLAND CEMENT CONCRETE SIDEWALK (5' & VARIES) |



USER NAME = mikosir
DESIGNED - AS
DRAWN - FZ
PLOT SCALE = 1/8"=1'
CHECKED - AS
DATE 10/19/12

REVISOR -
REVISION -
REVISION -
REVISION -
REVISION -

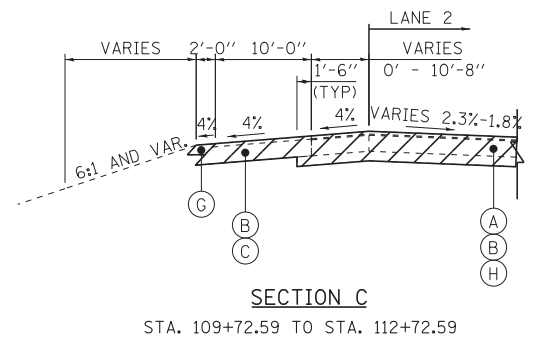
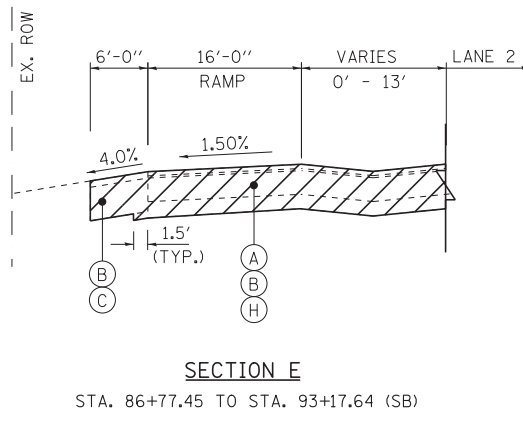
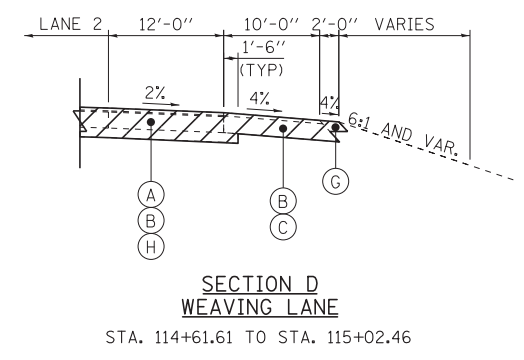
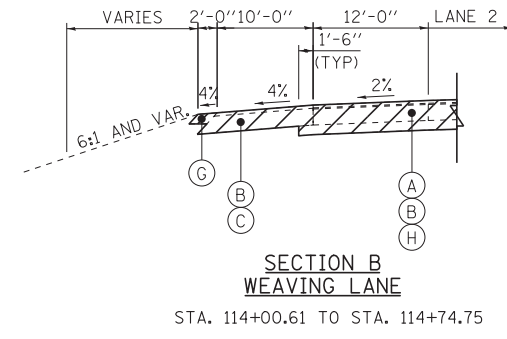
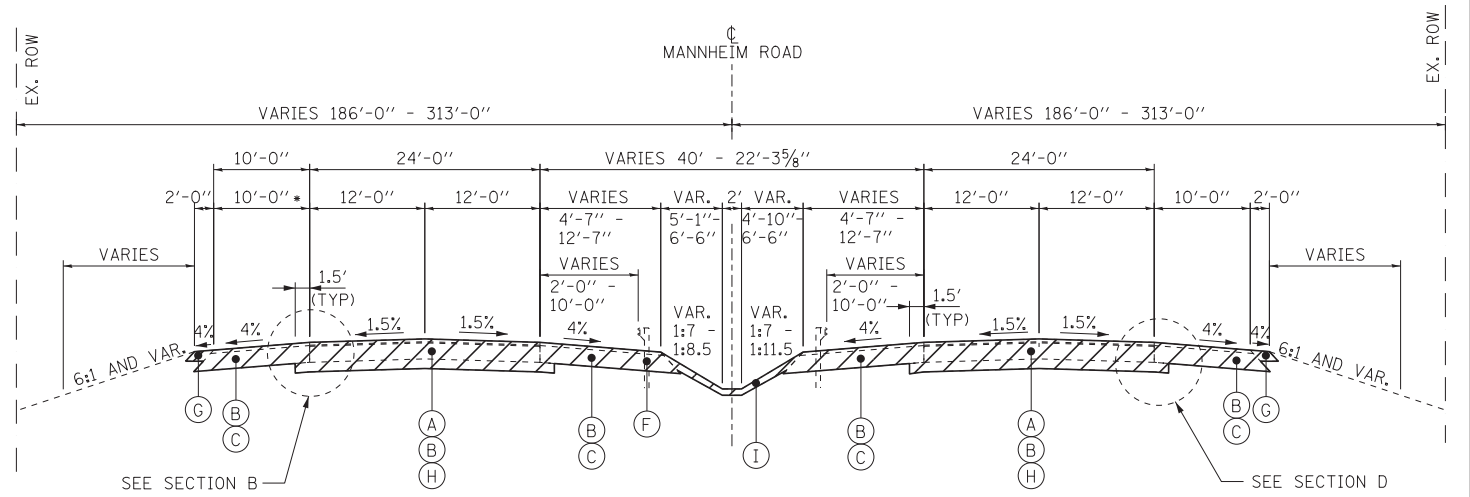
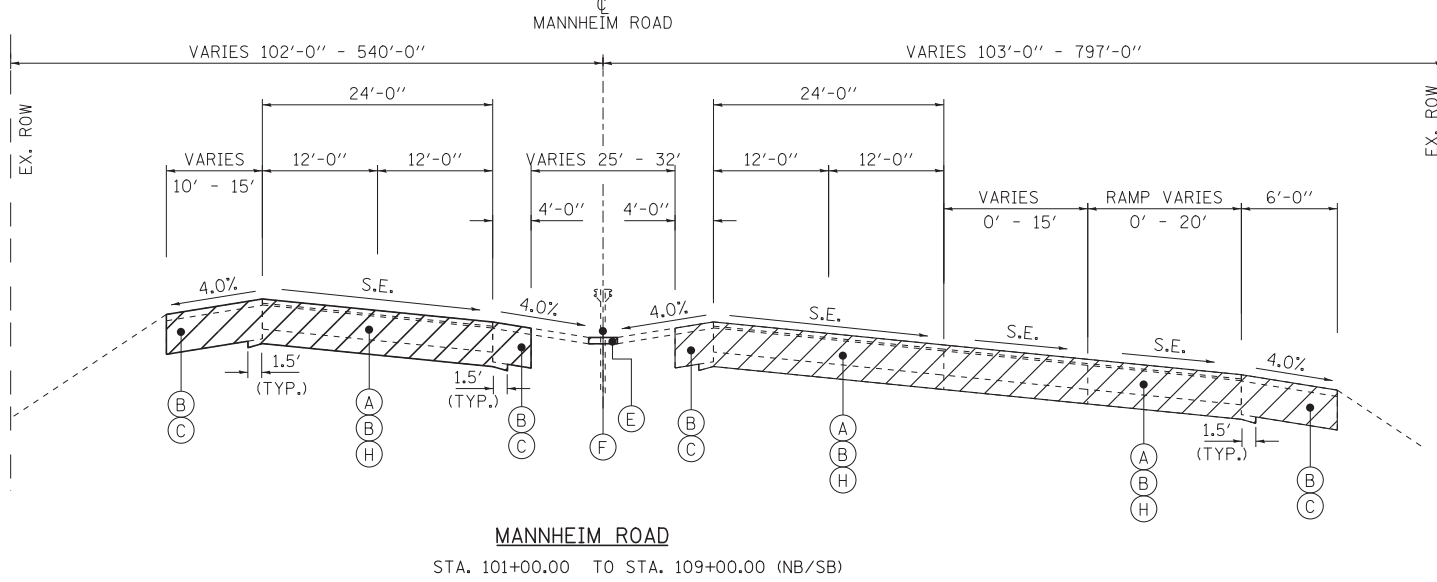
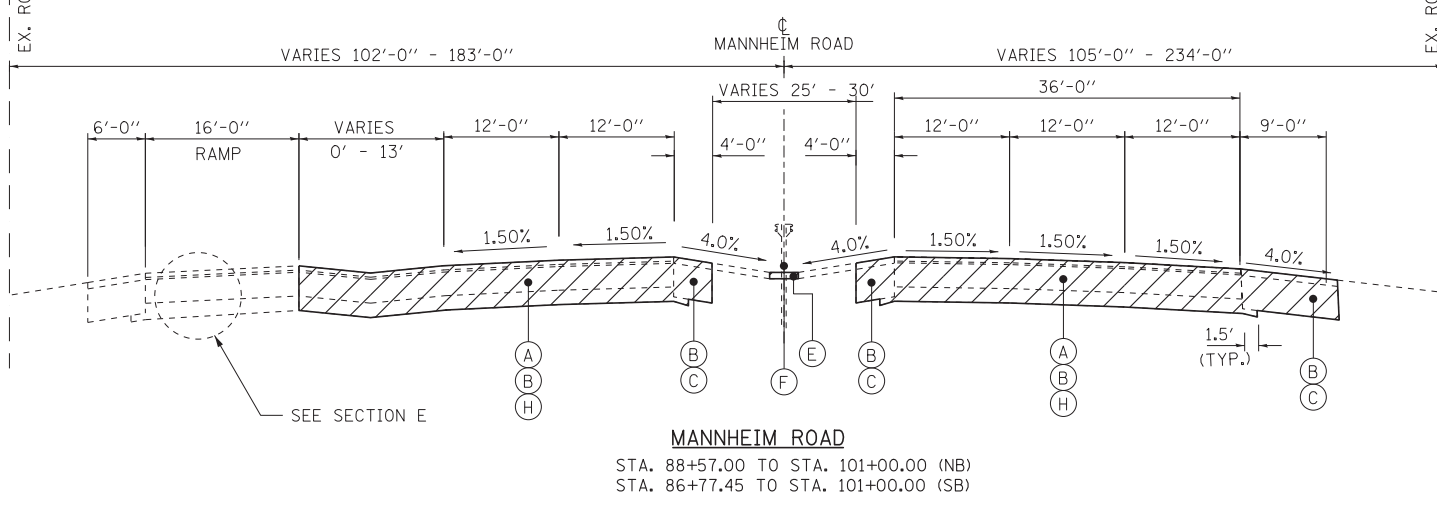
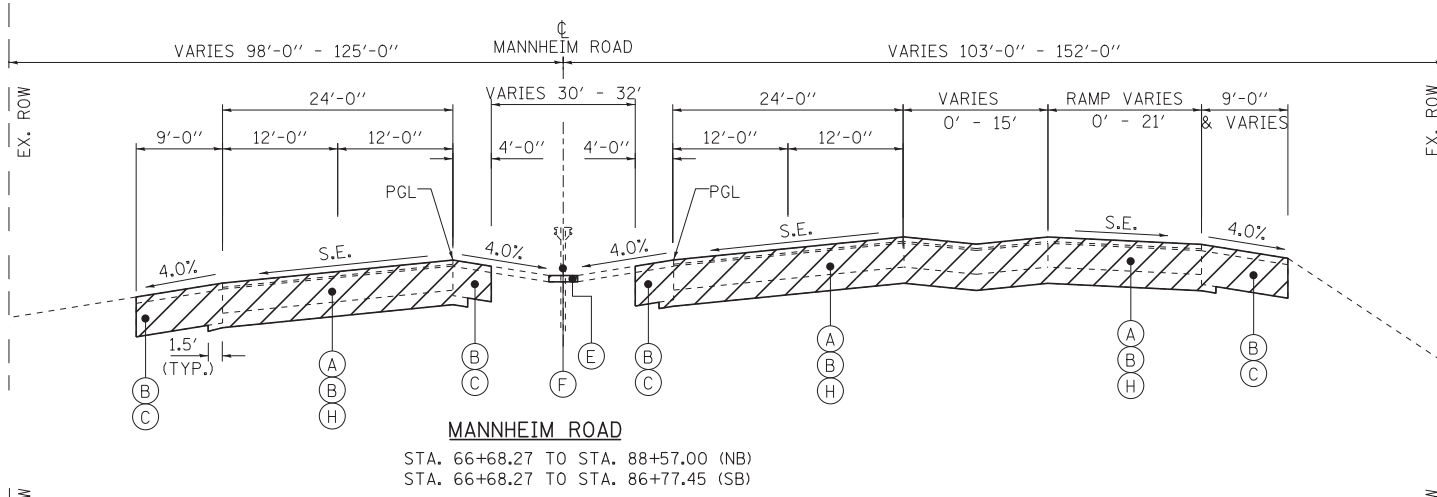
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS - MANNHEIM ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	35
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

TYP-1



EXISTING LEGEND:



- (A) PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 8.0" TO 12.75")
- (B) HMA PAVEMENT (VARIES 2.5" TO 8.5")
- (C) HMA SHOULDERS (VARIES 3" & VARIES)
- (D) CONCRETE CURB AND GUTTER
- (E) SHOULDER STABILIZATION
- (F) GUARDRAIL
- (G) AGGREGATE SHOULDER
- (H) SUB-BASE GRANULAR MATERIAL (VARIES 1.25" TO 13.25")
- (I) PAVED DITCH
- (J) HMA SURFACE REMOVAL (4" MIN - COLD MILL)
- (K) CONCRETE MEDIAN
- (L) PORTLAND CEMENT CONCRETE SIDEWALK (5' & VARIES)



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

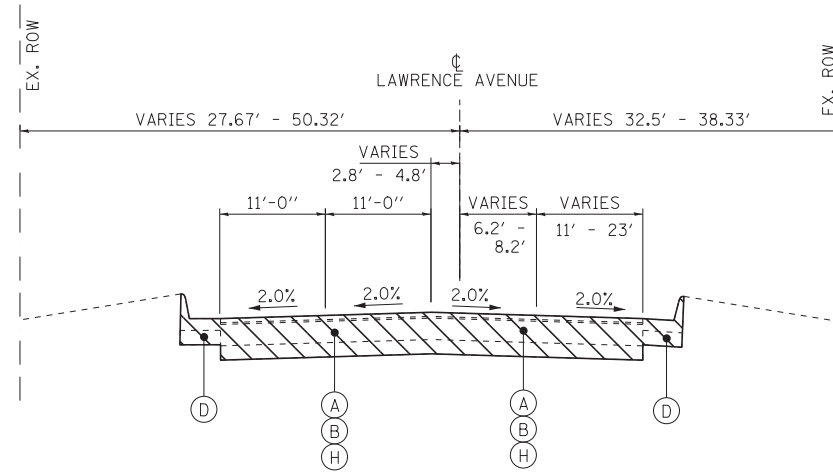
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS - MANNHEIM ROAD

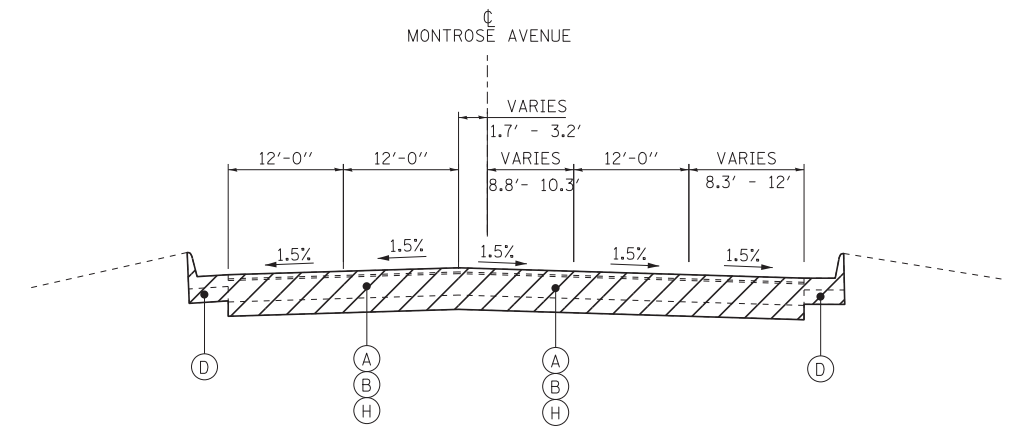
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	36
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

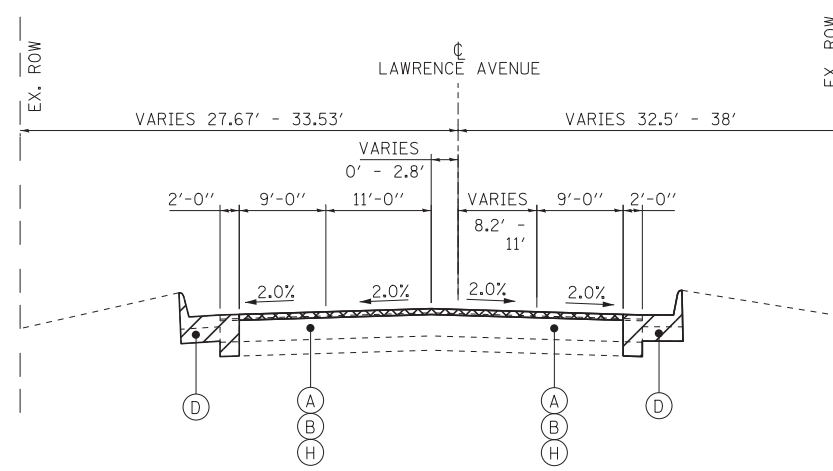
TYP-2



LAWRENCE AVENUE
STA. 10+75.00 TO STA. 14+50.00



MONTROSE AVENUE
STA. 7+10.00 TO STA. 9+19.00

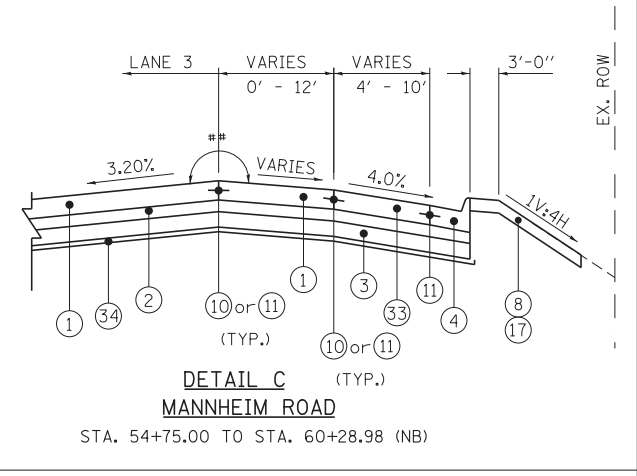
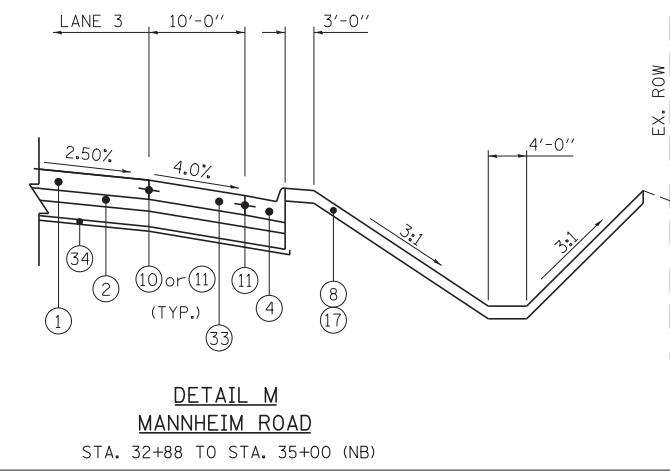
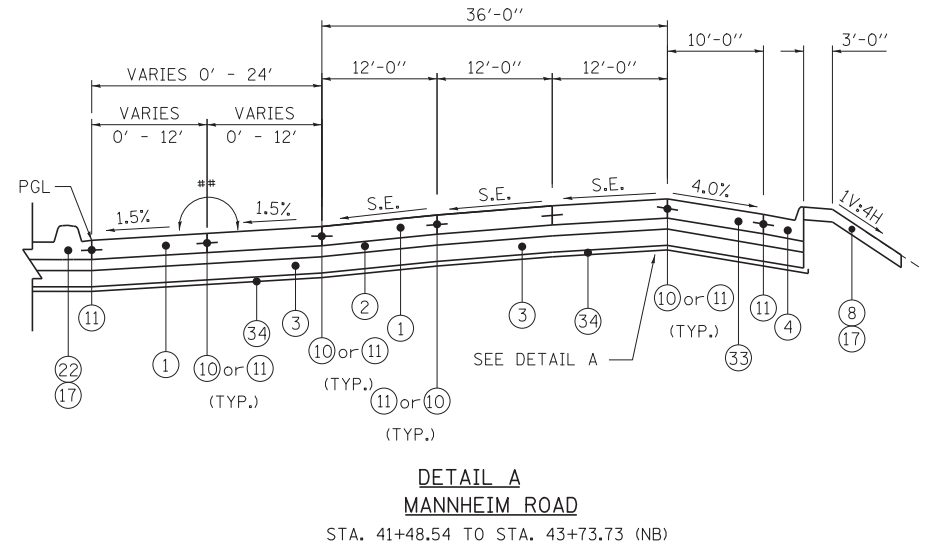
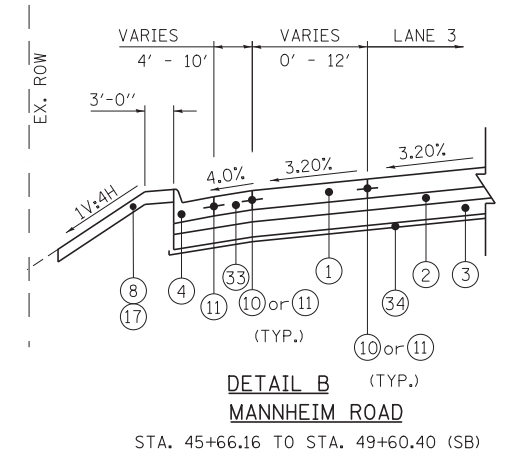
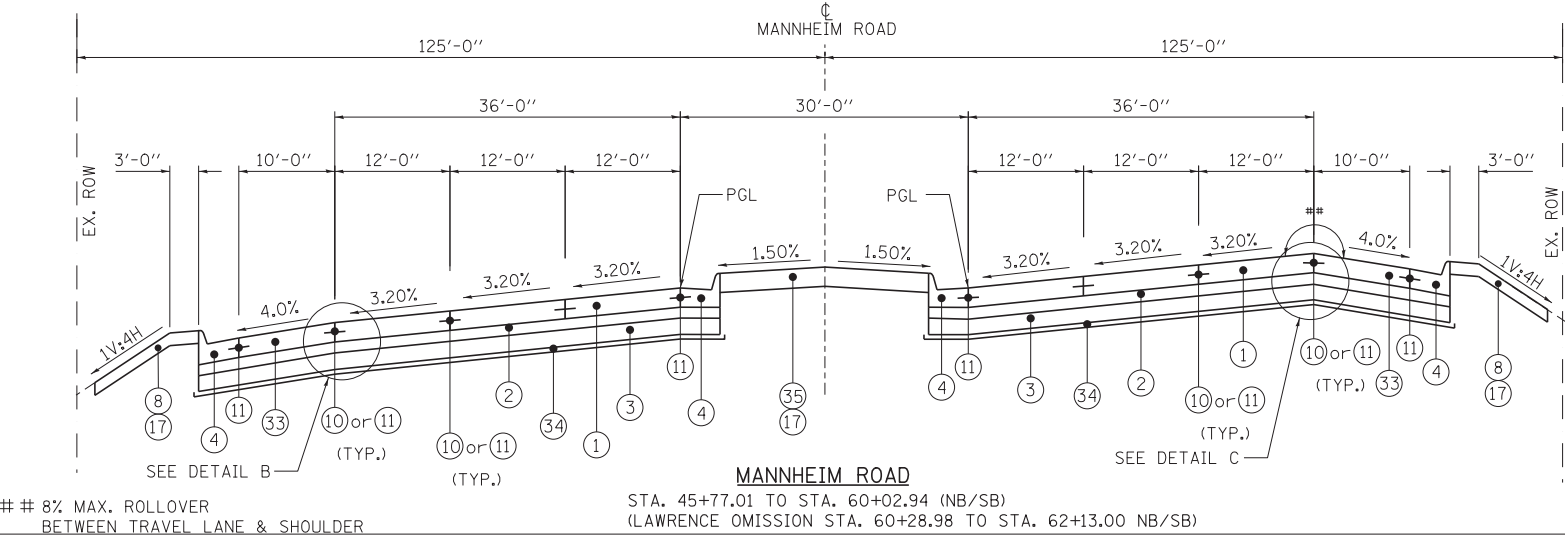
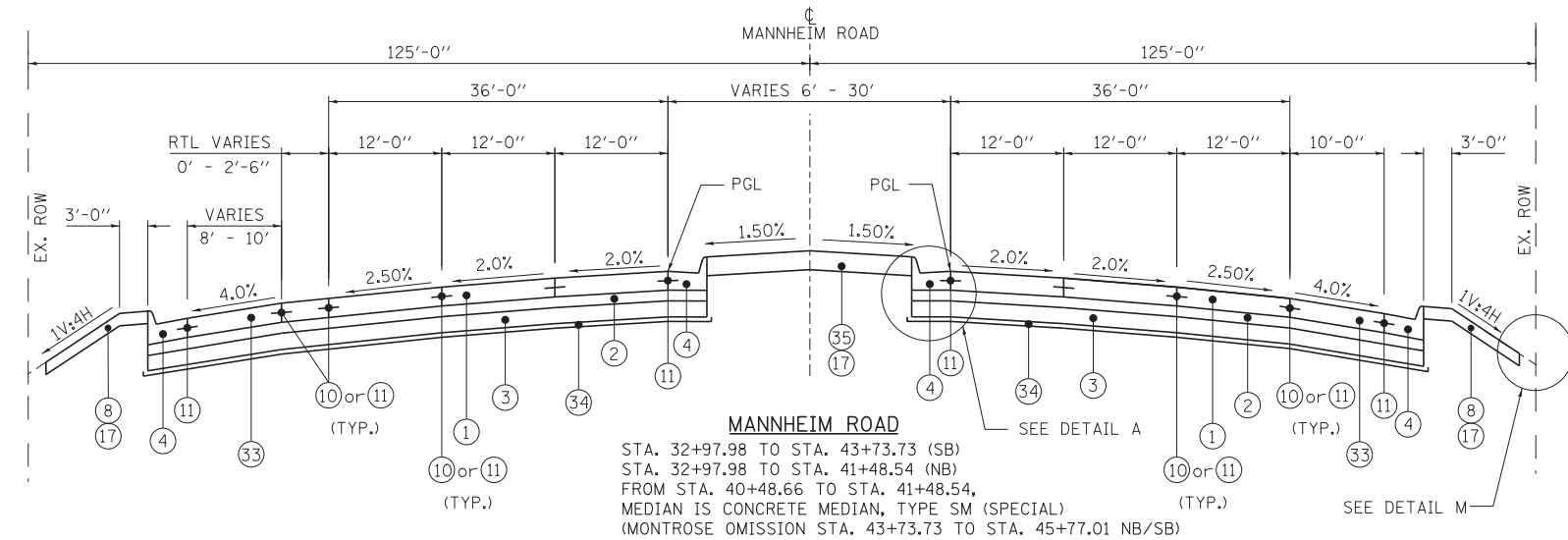
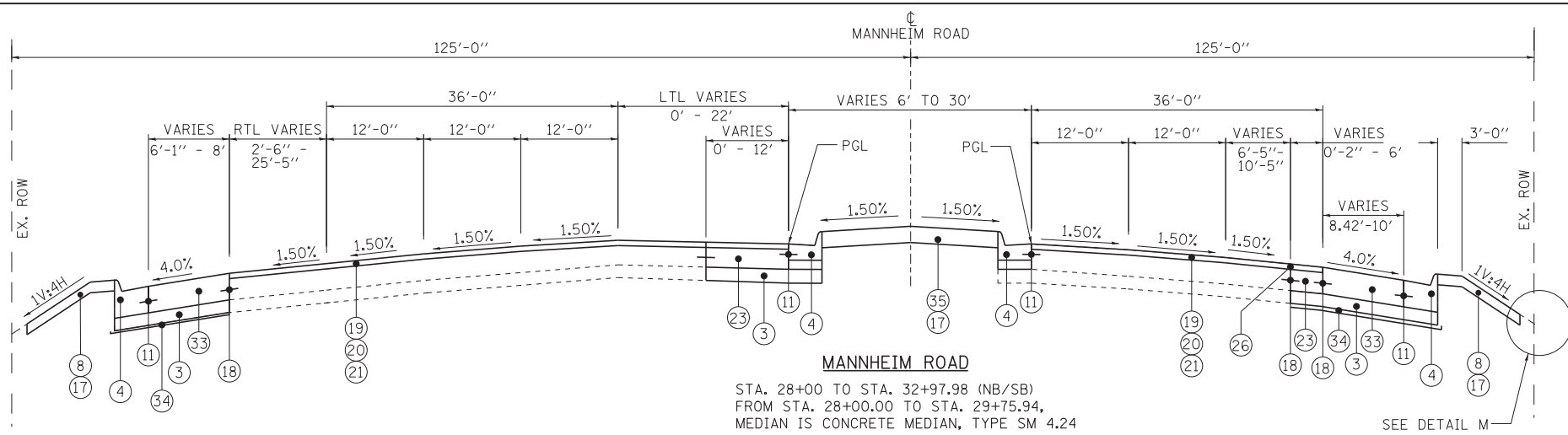


LAWRENCE AVENUE
STA. 14+50.00 TO STA. 15+27.93

EXISTING LEGEND:

 = REMOVAL  = MILLING

- (A) PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 8.0" TO 12.75")
- (B) HMA PAVEMENT (VARIES 2.5" TO 8.5")
- (C) HMA SHOULDERS (VARIES 3" & VARIES)
- (D) CONCRETE CURB AND GUTTER
- (E) SHOULDER STABILIZATION
- (F) GUARDRAIL
- (G) AGGREGATE SHOULDER
- (H) SUB-BASE GRANULAR MATERIAL (VARIES 1.25" TO 13.25")
- (I) PAVED DITCH
- (J) HMA SURFACE REMOVAL (4" MIN - COLD MILL)
- (K) CONCRETE MEDIAN
- (L) PORTLAND CEMENT CONCRETE SIDEWALK (5' & VARIES)



8% MAX. ROLLOVER BETWEEN TRAVEL LANE & 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 SHOULDER
- 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
- ㉟ TOPSOIL FURNISH & PLACE, 24"



USER NAME = mkostr	DESIGNED - AS	REVISED -
PLOT SCALE = 10:1	DRAWN - FZ	REVISED -
PLOT DATE = 19-OCT-2012	CHECKED - AS	REVISED -
	DATE 10/19/12	REVISED -

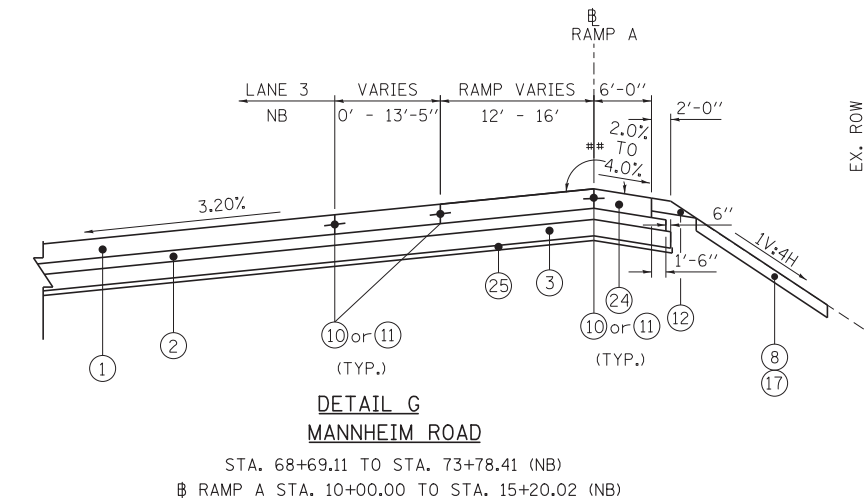
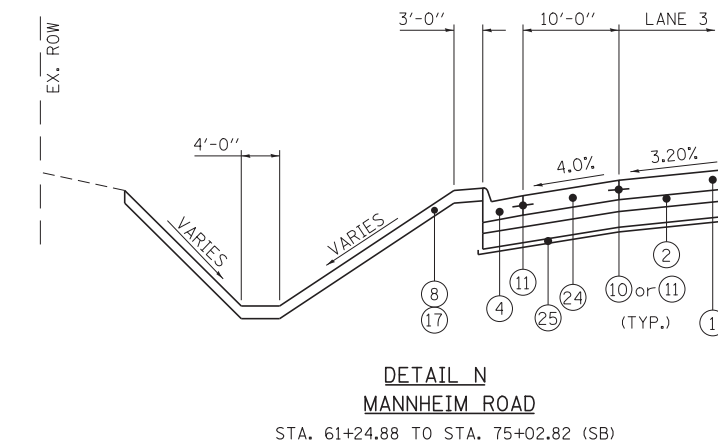
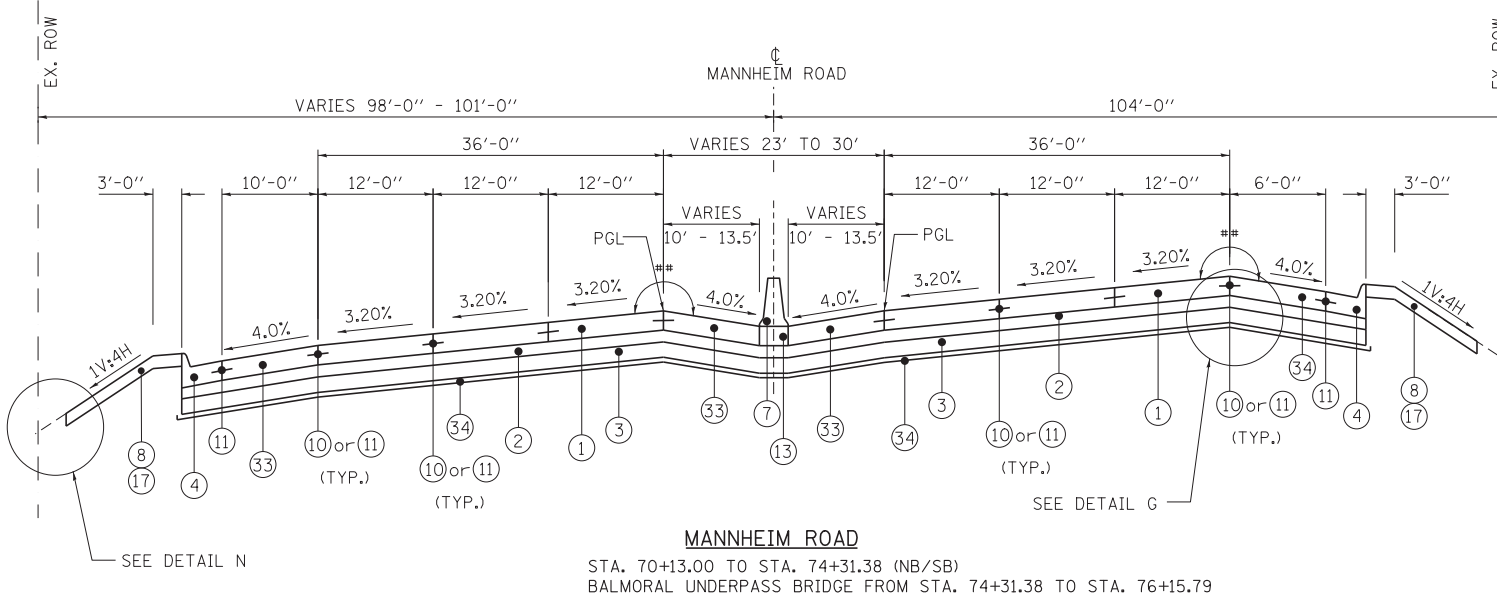
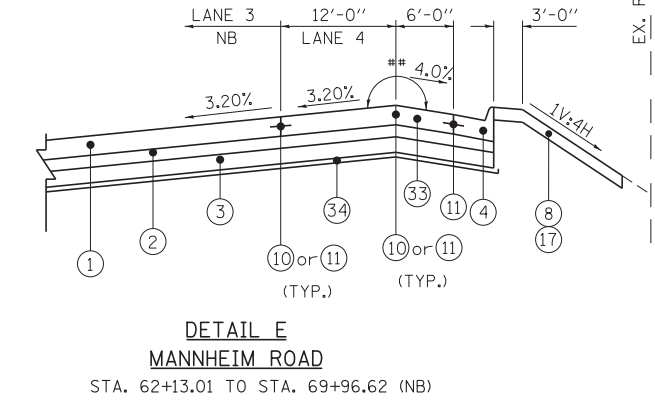
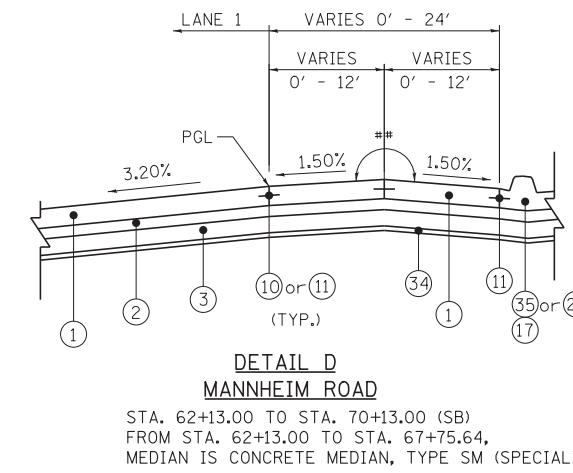
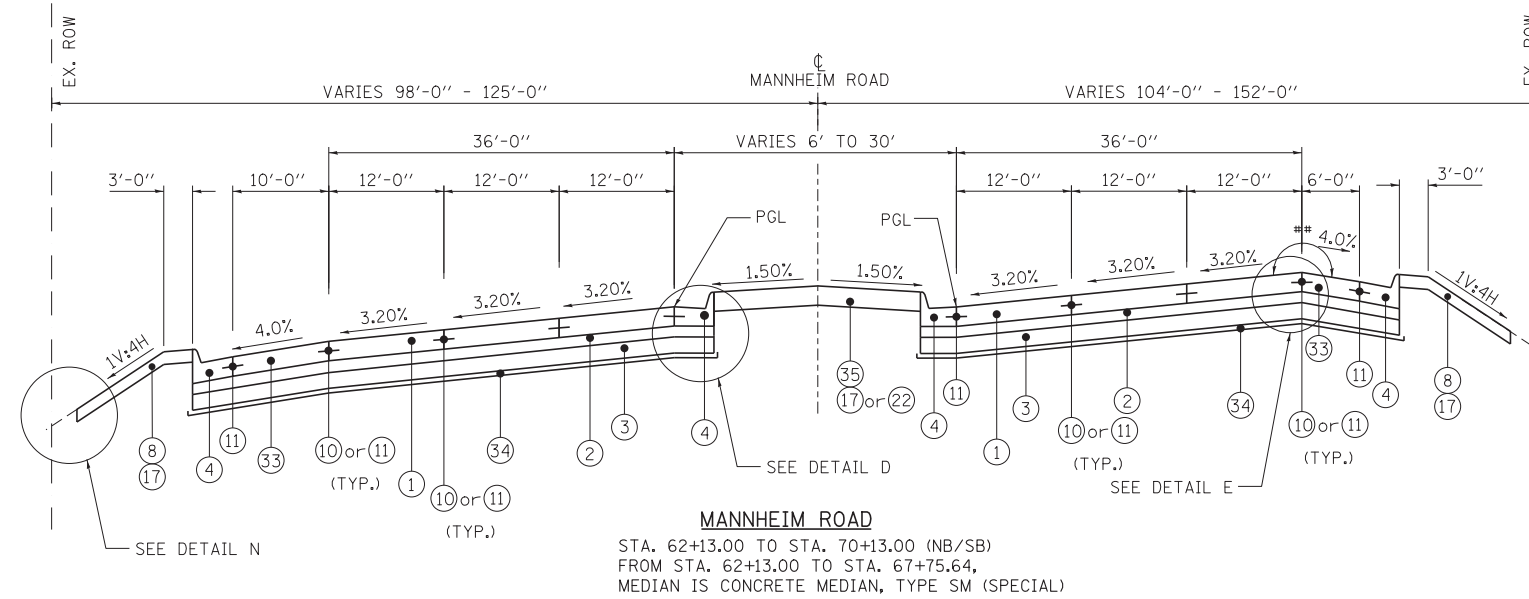
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS - MANNHEIM ROAD

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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TYP-4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	38
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



8% MAX. ROLLOVER
 BETWEEN TRAVEL LANE & 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 SHOULDER
- 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
- ㉟ TOPSOIL FURNISH AND PLACE, 24"



USER NAME = mikosir	DESIGNED - AS	REVISED -
PLOT SCALE = 1/8"=1'	DRAWN - FZ	REVISED -
PLOT DATE = 19-OCT-2012	CHECKED - AS	REVISED -
	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

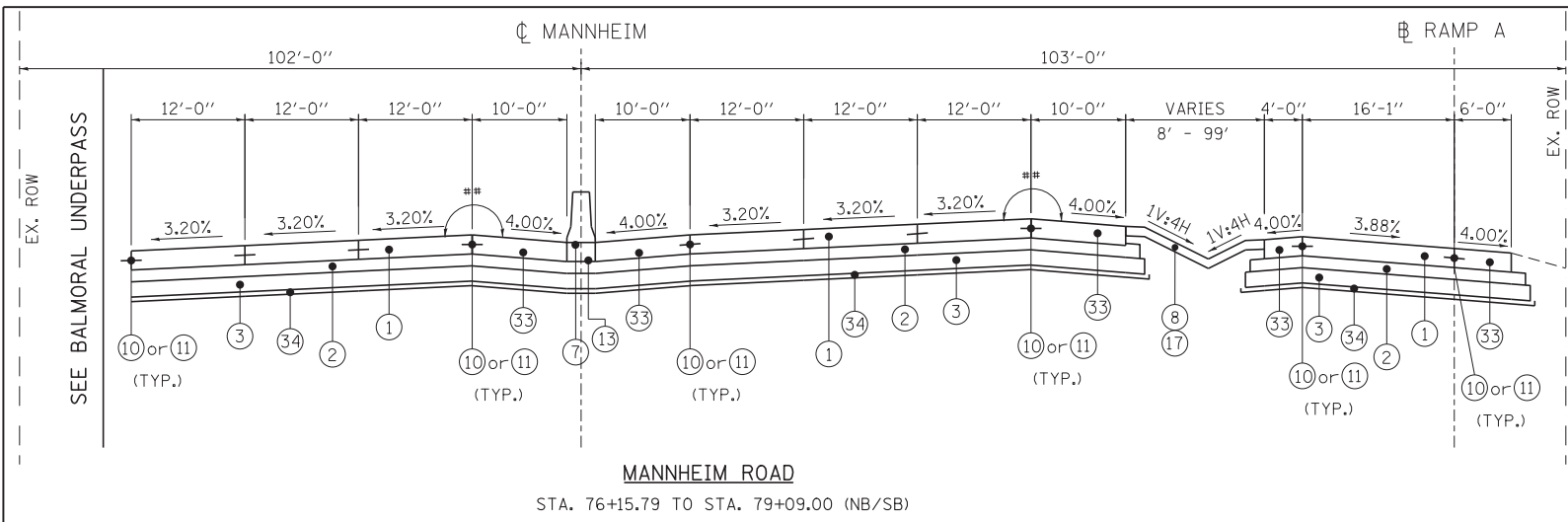
PROPOSED TYPICAL SECTIONS - MANNHEIM ROAD

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

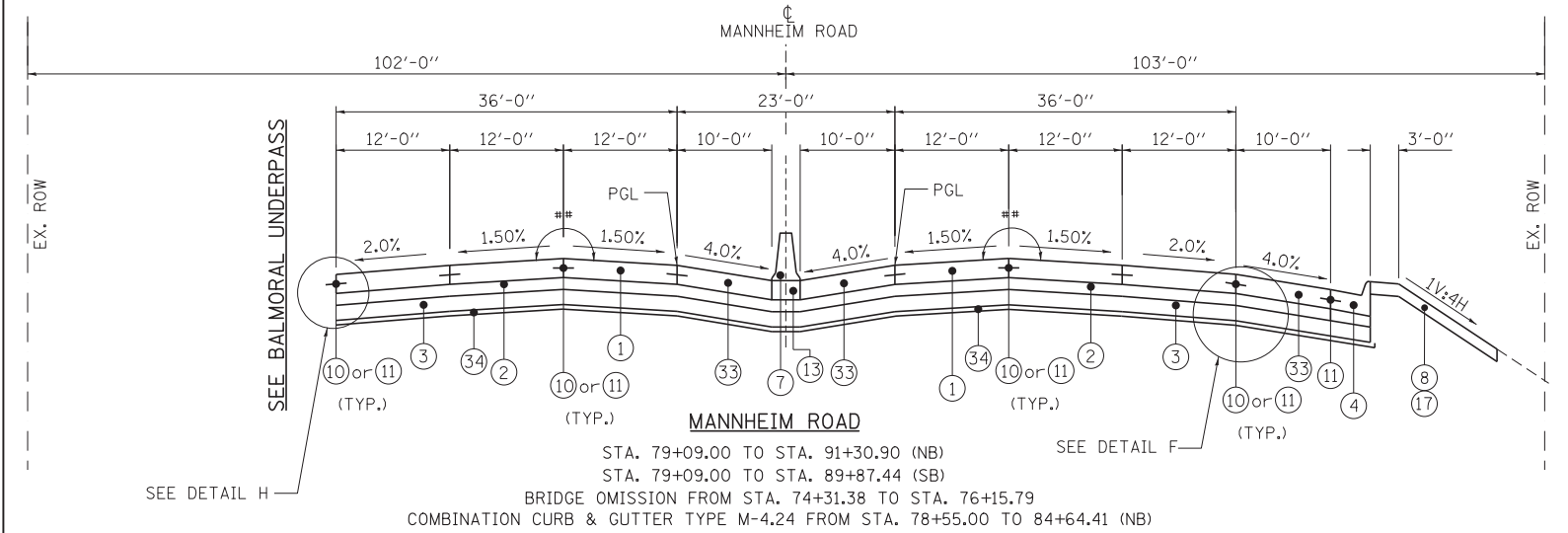
TYP-5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	39

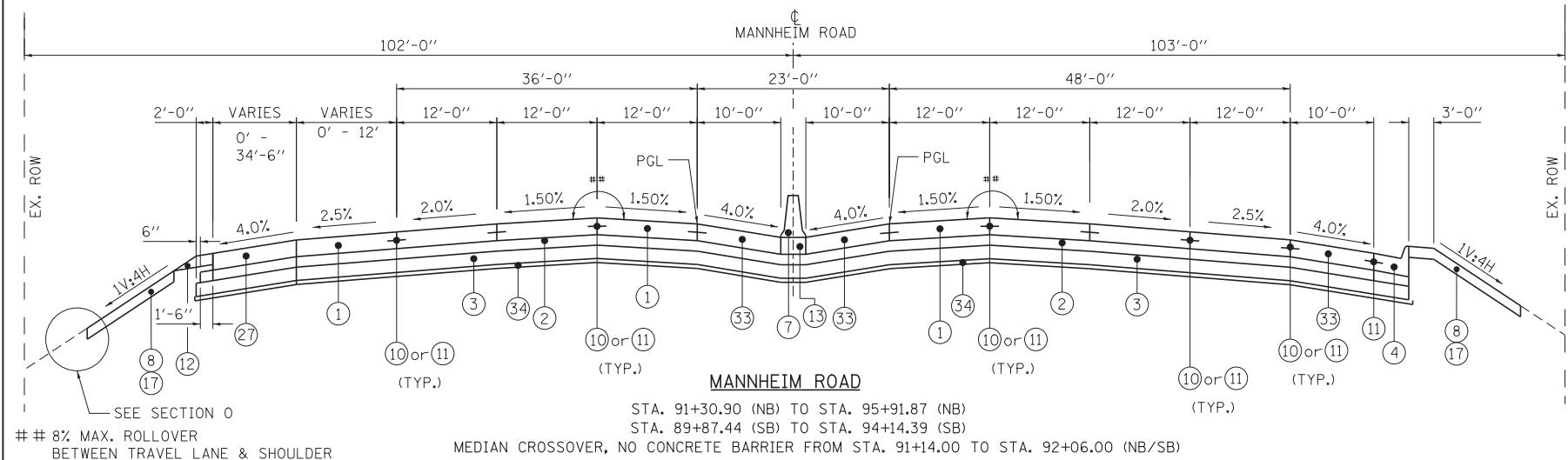
CONTRACT NO. 60G37
 ILLINOIS FED. AID PROJECT



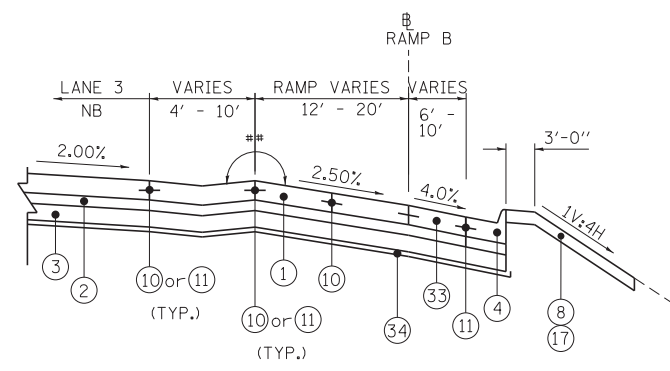
MANNHEIM ROAD
STA. 76+15.79 TO STA. 79+09.00 (NB/SB)



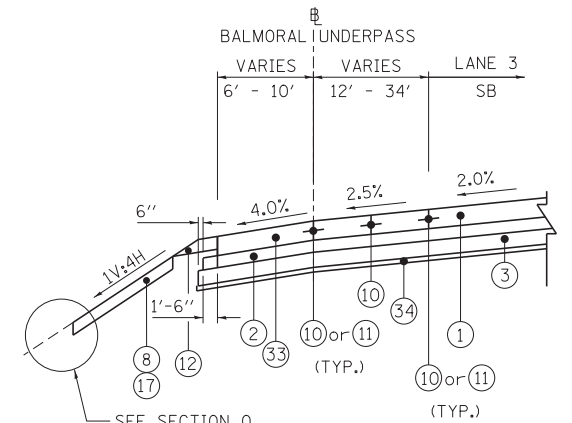
MANNHEIM ROAD
STA. 79+09.00 TO STA. 91+30.90 (NB)
STA. 79+09.00 TO STA. 89+87.44 (SB)
BRIDGE OMISSION FROM STA. 74+31.38 TO STA. 76+15.79
COMBINATION CURB & GUTTER TYPE M-4.24 FROM STA. 78+55.00 TO 84+64.41 (NB)



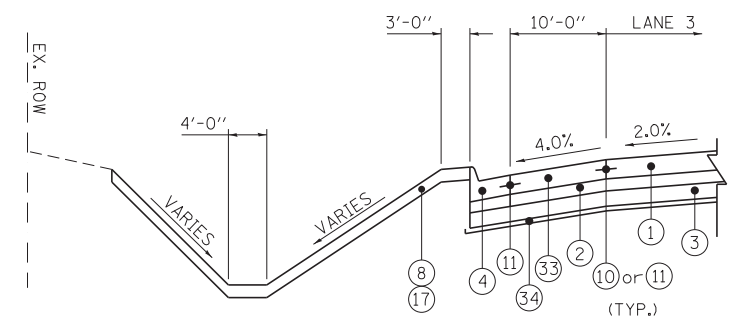
MANNHEIM ROAD
STA. 91+30.90 (NB) TO STA. 95+91.87 (NB)
STA. 89+87.44 (SB) TO STA. 94+14.39 (SB)
MEDIAN CROSSOVER, NO CONCRETE BARRIER FROM STA. 91+14.00 TO STA. 92+06.00 (NB/SB)



DETAIL F
MANNHEIM ROAD
STA. 84+89.36 (NB) TO STA. 91+30.90 (NB)
RAMP B STA. 1203+91.69 (NB) TO STA. 1210+28.33 (NB)



DETAIL H
MANNHEIM ROAD
STA. 82+87.47 (SB) TO STA. 85+88.34 (SB)
FOR BALMORAL UNDERPASS EXIT RAMP
SEE PROPOSED TYPICAL SECTIONS - BALMORAL UNDERPASS



DETAIL O
MANNHEIM ROAD
STA. 84+50.69 TO STA. 92+18.68 (SB)

PROPOSED LEGEND:

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

DELTA ENGINEERING GROUP, LLC
FILE NAME = IP_PWP\dms47844\DI60G37-sh1-typ06.dgn

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

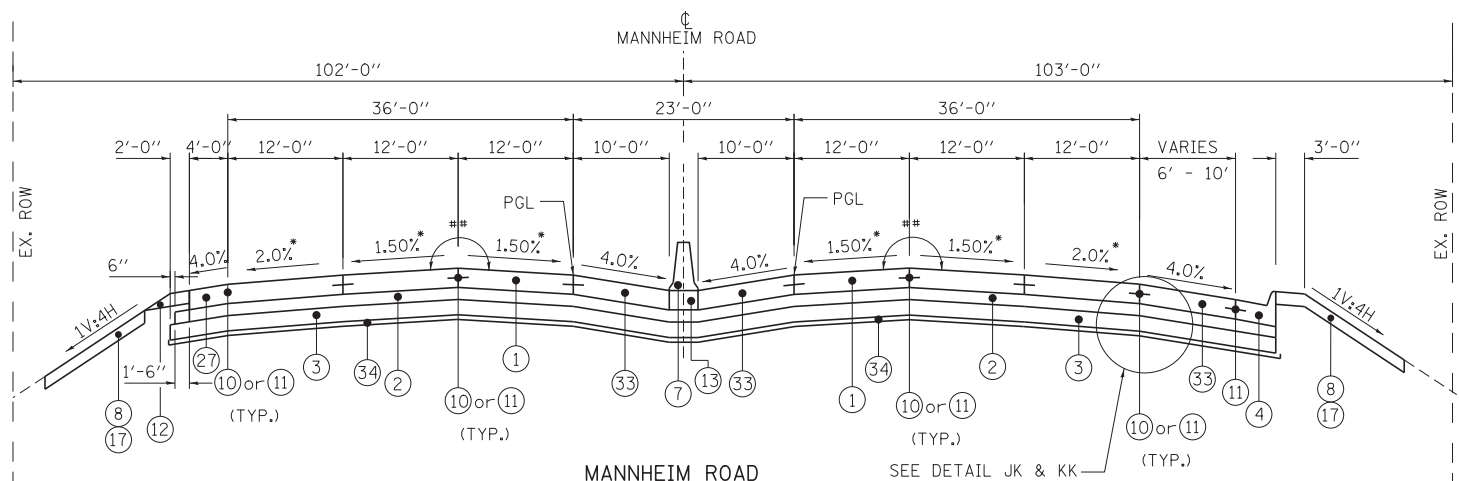
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS - MANNHEIM ROAD

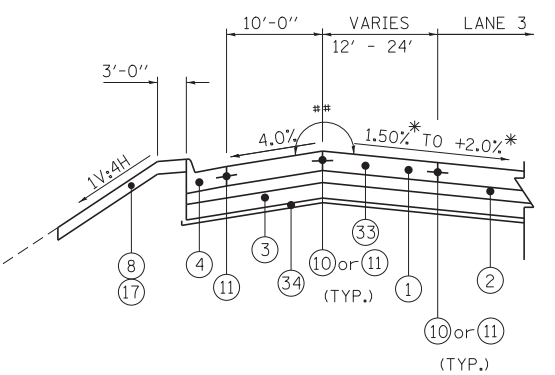
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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TYP-6

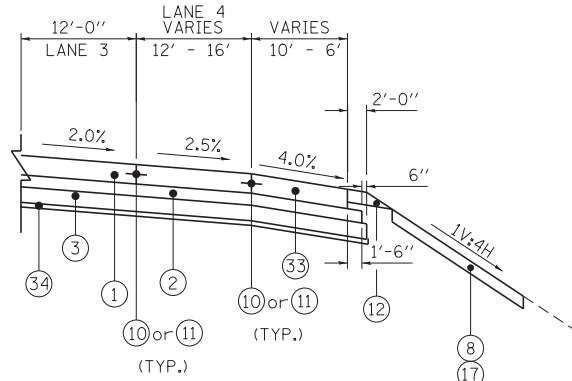
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	40
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



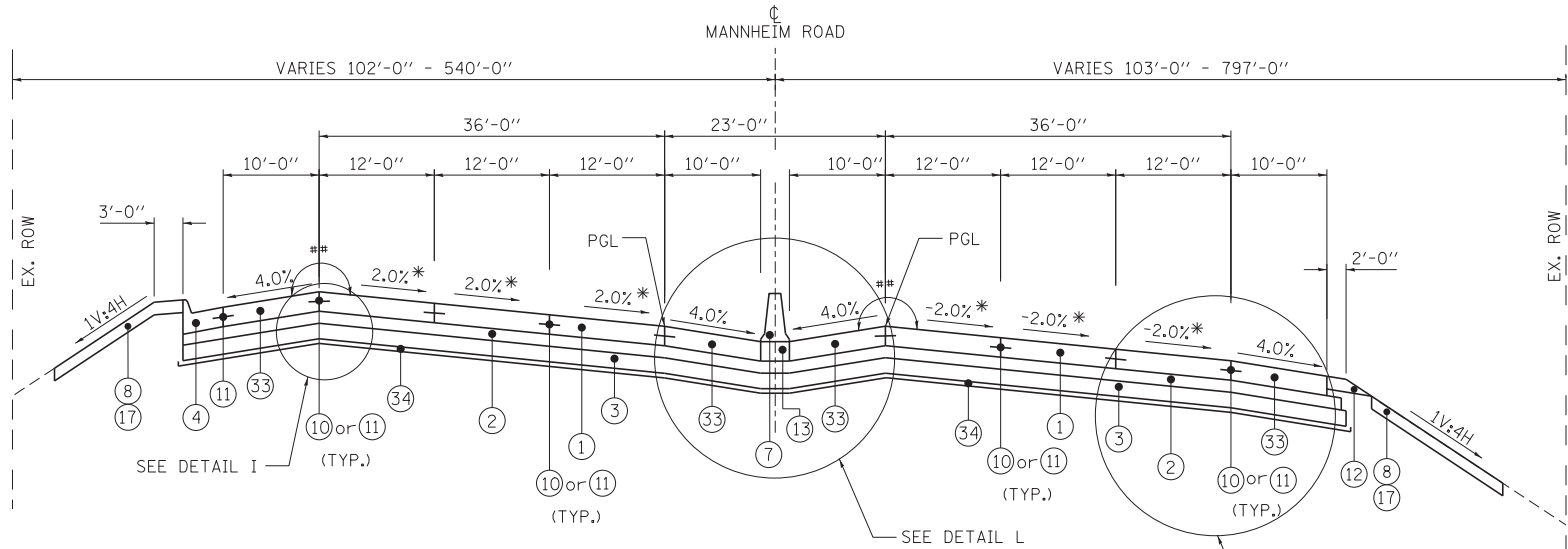
MANNHEIM ROAD
 STA. 95+91.87 (NB) TO STA. 104+43.08 (NB)
 STA. 94+14.39 (SB) TO STA. 100+38.70 (SB)
 * STA. 97+04 (SB) TO STA. 98+96 (S.E. VARIES)



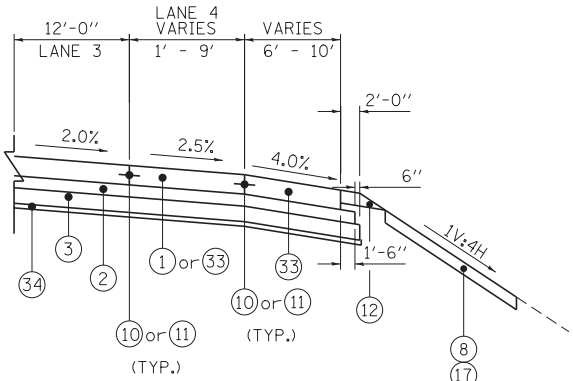
DETAIL I
MANNHEIM ROAD
 STA. 106+50.70 TO STA. 114+19.28 (SB)



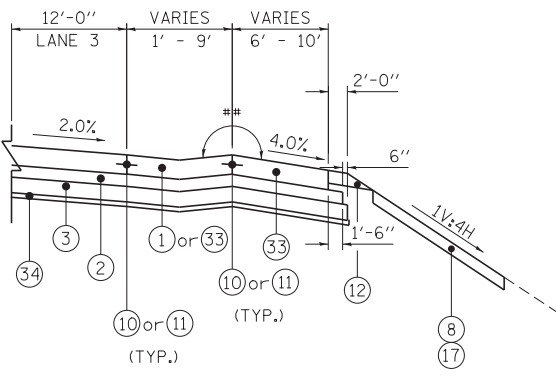
DETAIL J
MANNHEIM ROAD
 STA. 95+91.87 TO STA. 96+49.62 (NB)



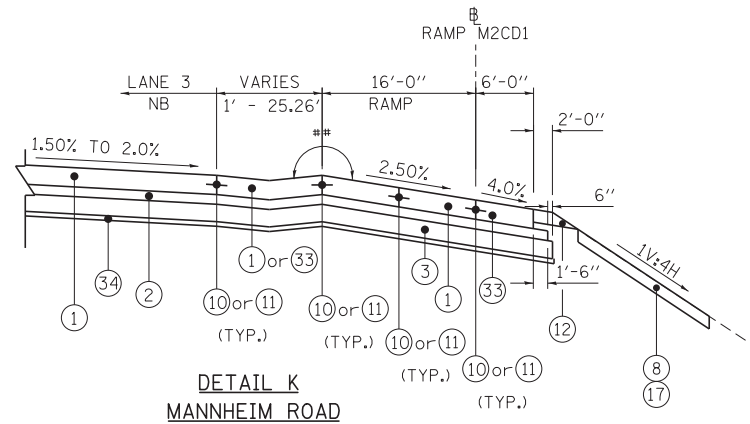
MANNHEIM ROAD
 STA. 104+43.08 TO STA. 114+78.89 (NB)
 STA. 100+38.70 TO STA. 114+78.89 (SB)
 * STA. 112+58 TO STA. 113+98 (SE VARIES)



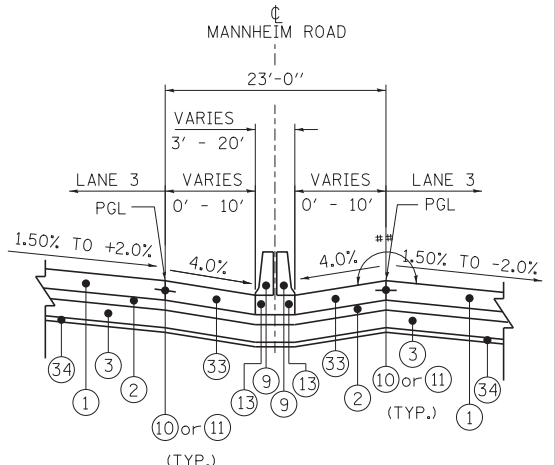
DETAIL KK
MANNHEIM ROAD
 STA. 100+34.58 TO STA. 104+43.08 (NB)



DETAIL JK
MANNHEIM ROAD
 STA. 100+34.58 TO STA. 104+43.08 (NB)



DETAIL K
MANNHEIM ROAD
 STA. 96+49.62 TO STA. 100+34.58 (NB)
 RAMP M2CD1 STA. 900+71.11 (NB) TO STA. 904+54.82 (NB)



DETAIL L
MANNHEIM ROAD
 STA. 110+83.03 TO STA. 114+78.89 (NB/SB)

8% MAX. ROLLOVER
 BETWEEN TRAVEL LANE & 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 SHOULDER
- 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
- ㉟ TOPSOIL FURNISH & PLACE, 24"



USER NAME = mikosir
 DESIGNED - AS
 DRAWN - FZ
 PLOT SCALE = 1/8"=1'
 CHECKED - AS
 DATE 10/19/12
 PLOT DATE = 19-OCT-2012

DESIGNED - AS
 REVISIONS -
 DRAWN - FZ
 REVISIONS -
 CHECKED - AS
 REVISIONS -
 DATE 10/19/12
 REVISIONS -

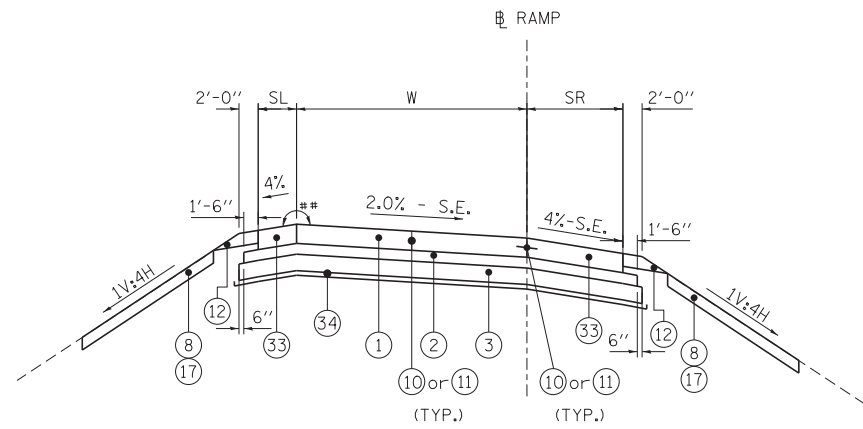
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS - MANNHEIM ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	41
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

TYP-7

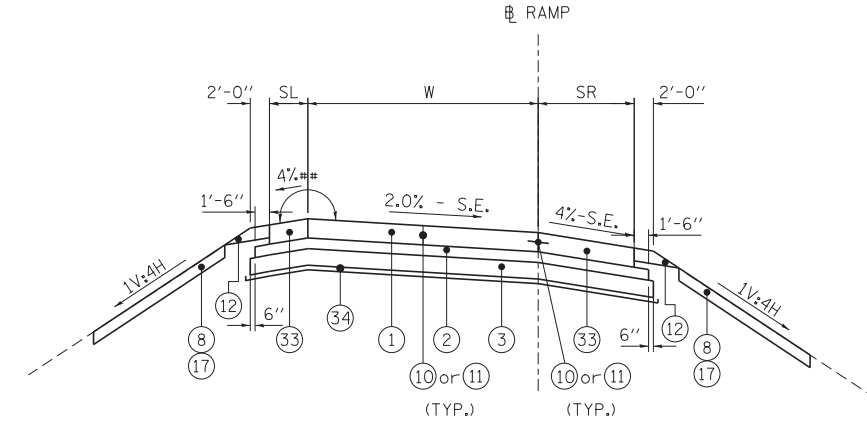


RAMP SBEB

STA. 1001+59.41 TO STA. 1002+60.00 SR = 10'-0"
 W = 21'-0"
 SL = 4'-0"

RAMP EBNB

STA. 1103+07.23 TO STA. 1104+97.65 SR = 10'-0"
 W = 21'-0"
 SL = 4'-0"

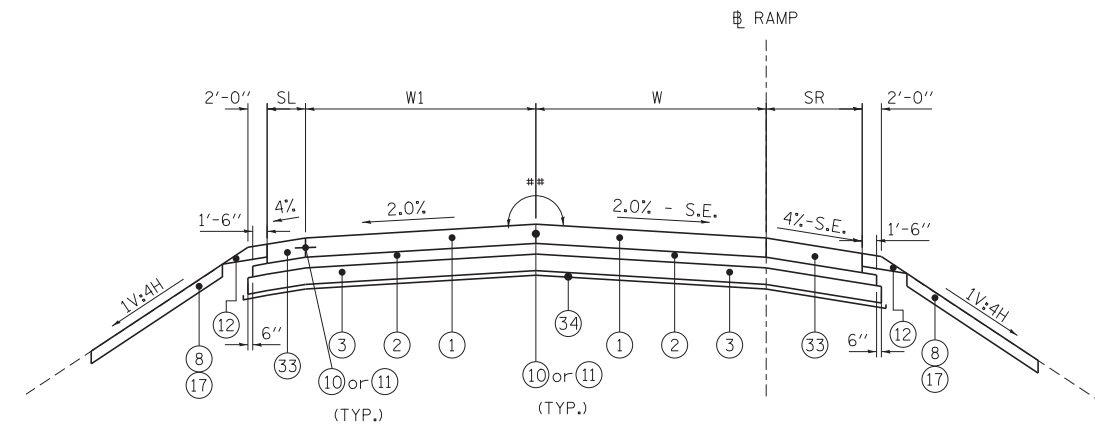


RAMP A

STA. 17+07.34 TO STA. 21+03.91 SR = 6'-0"
 W = 16'-0"
 SL = 4'-0"

RAMP B

STA. 1203+15.49 TO STA. 1203+91.69 SR = 6'-0"
 W = 16'-0"
 SL = 4'-0"



RAMP M2CD1

STA. 904+54.82 TO STA. 913+63.41 SR = 6'-0"
 W = VARIES 16'-0" TO 22'-0"
 W1 = VARIES 0'-0" TO 14'-9"
 SL = 4'-0"

8% MAX. ROLLOVER
 BETWEEN TRAVEL LANE & 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 SHOULDER
- 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
- ㉟ TOPSOIL FURNISH & PLACE, 24"



USER NAME = mkosir
 PLOT SCALE = 1/8"=1'
 PLOT DATE = 19-OCT-2012

DESIGNED - AS
 DRAWN - FZ
 CHECKED - AS
 DATE 10/19/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

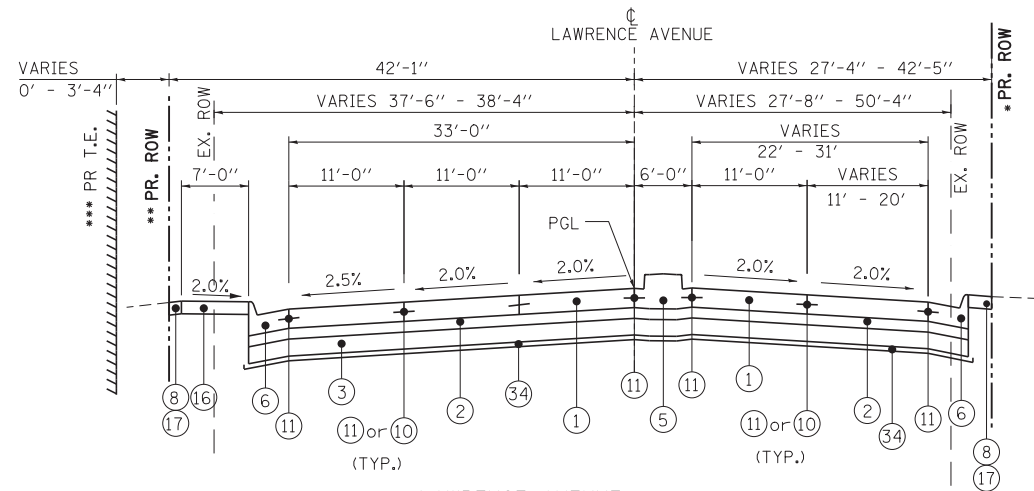
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS -
 MANNHEIM ROAD RAMP**

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

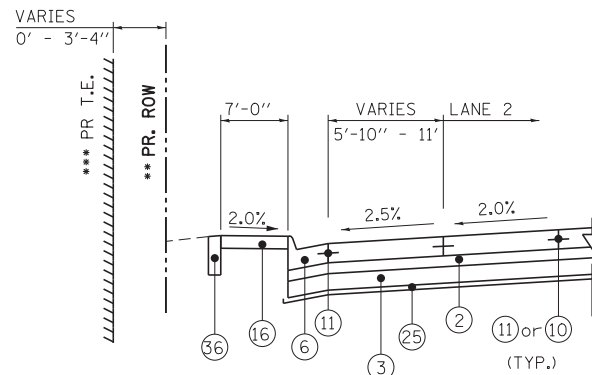
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

TYP-8



LAWRENCE AVENUE

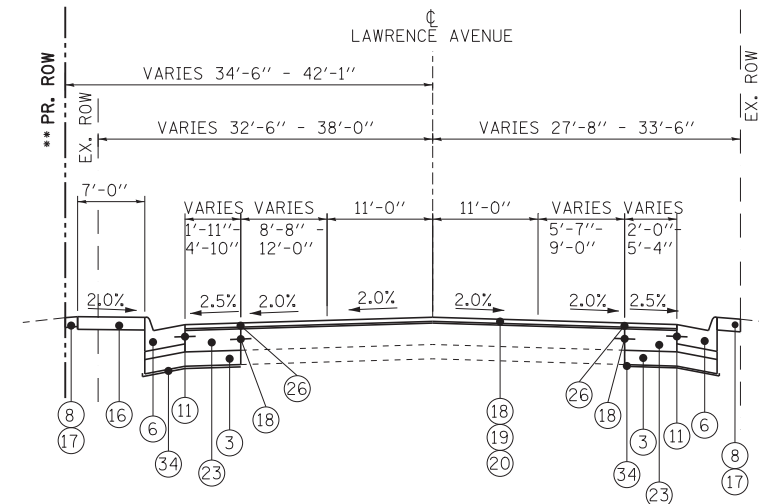
- STA. 11+07.93 TO STA. 12+63.99
- * PR. ROW RIGHT BETWEEN STA. 12+31.22 TO STA. 13+32.58
- ** PR. ROW LEFT BETWEEN STA. 12+33.00 TO STA. 15+46.64
- *** PR. TEMPORARY EASMENT LEFT BETWEEN STA. 12+41.57 TO STA. 14+85.41



**DETAIL AA
LAWRENCE AVENUE**

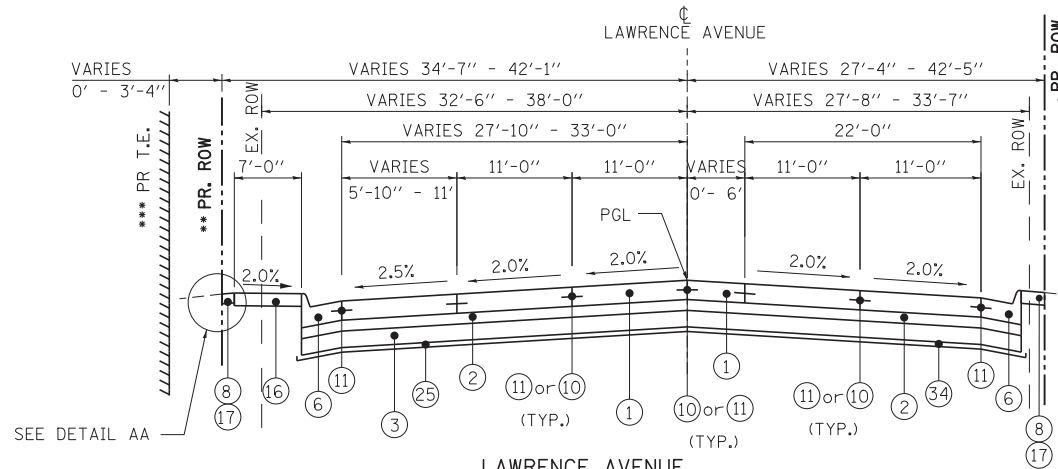
STA. 13+25.00 TO STA. 15+00.00

- ** PR. ROW LEFT BETWEEN STA. 12+33.00 TO STA. 15+46.64
- *** PR. TEMPORARY EASMENT LEFT BETWEEN STA. 12+41.57 TO STA. 14+85.41



LAWRENCE AVENUE

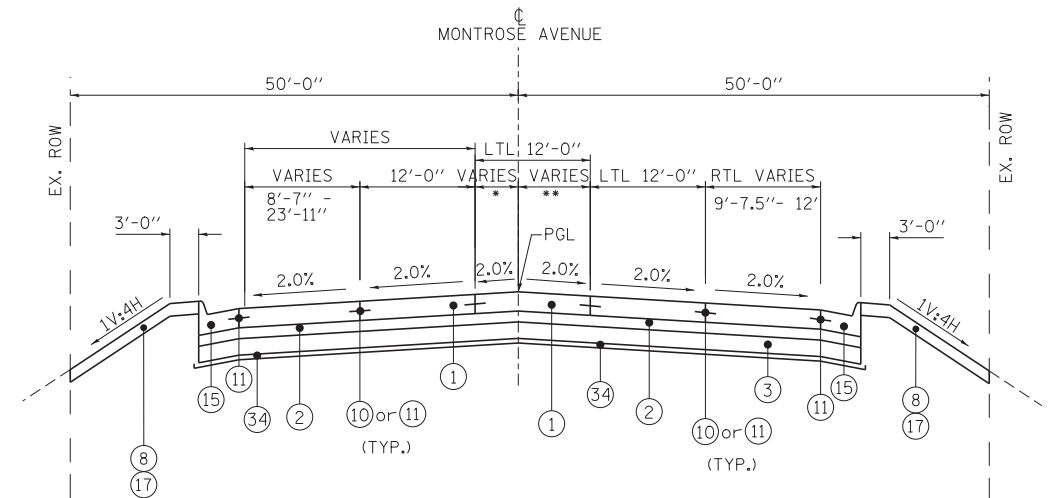
- STA. 14+50.00 TO STA. 15+27.93
- ** PR. ROW RIGHT BETWEEN STA. 12+33.00 TO STA. 15+46.64



LAWRENCE AVENUE

STA. 12+63.99 TO STA. 14+50.00

- * PR. ROW RIGHT BETWEEN STA. 12+31.22 TO STA. 13+32.58
- ** PR. ROW LEFT BETWEEN STA. 12+33.00 TO STA. 15+46.64
- *** PR. TEMPORARY EASMENT LEFT BETWEEN STA. 12+41.57 TO STA. 14+85.41



MONTROSE AVENUE

- STA. 7+10.00 TO STA. 8+88.00
- * VARIES FROM 4'-1" TO 4'-11"
- ** VARIES FROM 7'-1" TO 7'-11"

8% MAX. ROLLOVER
BETWEEN TRAVEL LANE & 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
- 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 SHOULDER
- 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
- ㉟ TOPSOIL FURNISH & PLACE, 24"
- ㊱ CONCRETE CURB, TYPE B



USER NAME = mikosir
DESIGNED - AS
DRAWN - FZ
PLOT SCALE = 1/8"=1'
CHECKED - AS
PLOT DATE = 19-OCT-2012
DATE 10/19/12

DESIGNED - AS
DRAWN - FZ
CHECKED - AS
DATE 10/19/12

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS - LAWRENCE
AVENUE AND MONTROSE AVENUE**

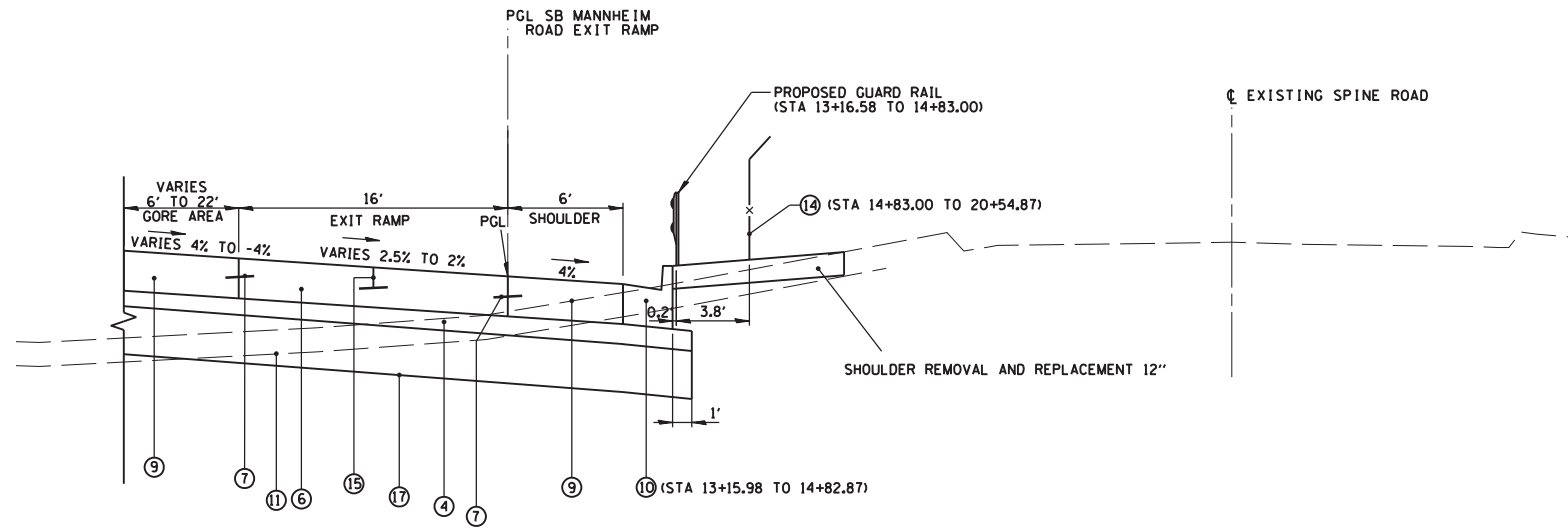
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	43
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

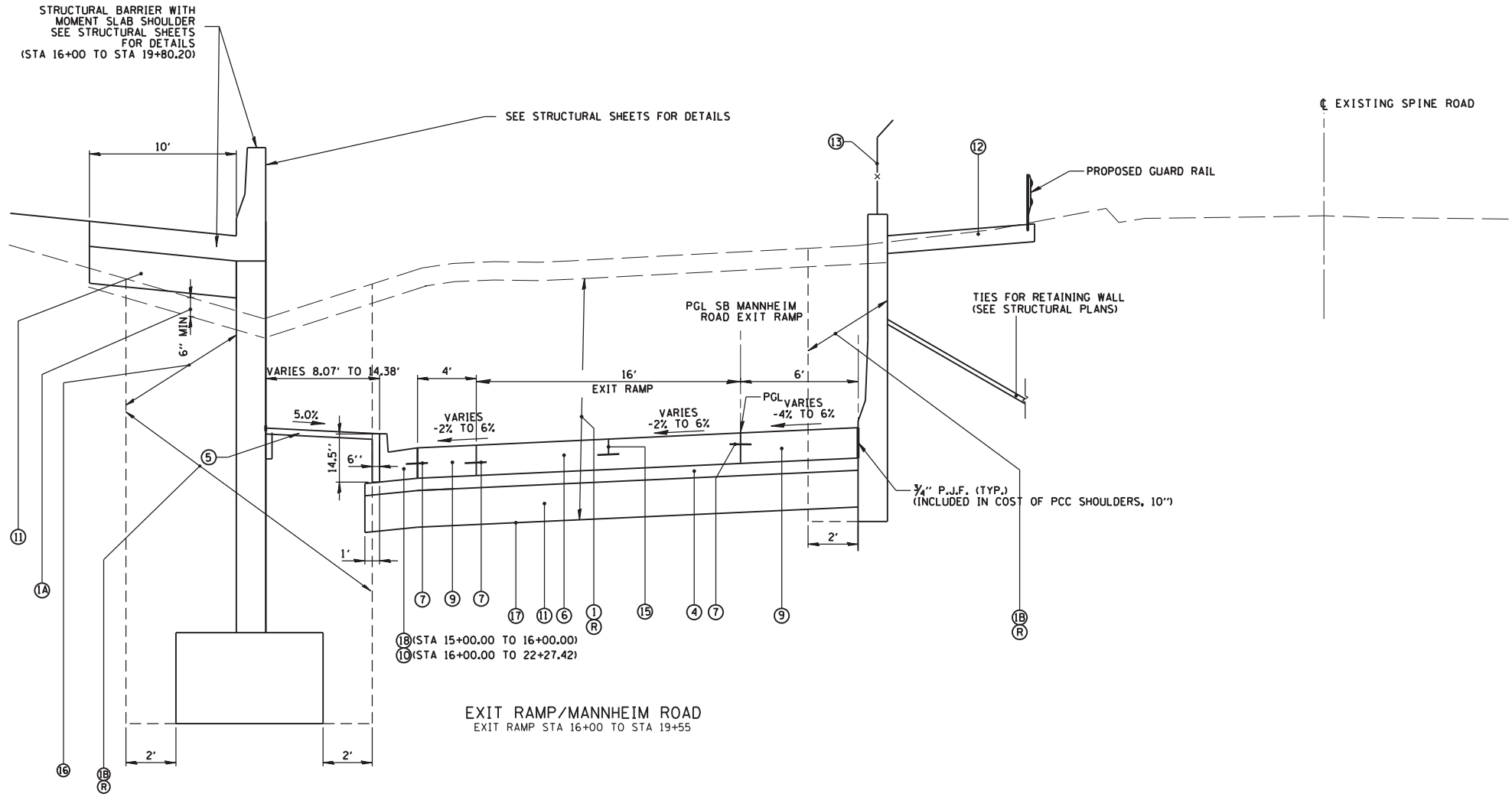
TYP-9

LEGEND

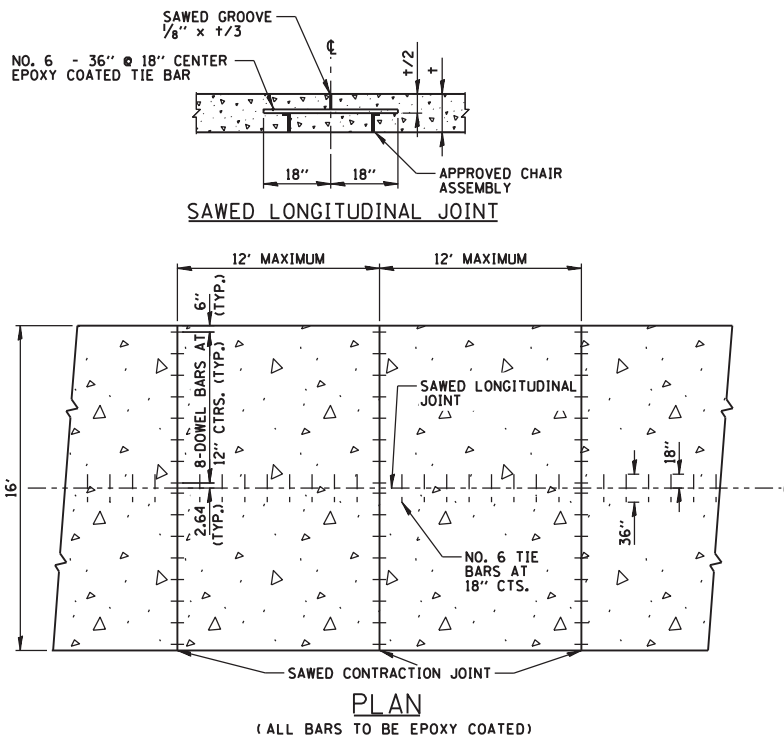
- ① EARTH EXCAVATION (20200100)
- ①A REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- ①B STRUCTURE EXCAVATION (50200100)
- ② EMBANKMENT (INCLUDED IN COST OF EARTH EXCAVATION)
- ③ TOPSOIL FURNISH AND PLACE, 6" (21101625)
SEEDING, SEE LANDSCAPE PLANS FOR CLASS
- ④ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (31200502)
- ⑤ SLOPE WALL 4 INCH (SEE STRUCTURAL SHEETS FOR DETAILS) (51100100)
- ⑥ PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) (42000501)
- ⑦ NO. 6 TIE BARS 36 INCHES LONG AT 18-INCH CENTERS
(INCLUDED IN THE COST OF ADJACENT CONCRETE ITEMS)
- ⑧ AGGREGATE SHOULDERS, TYPE B, 10" (48101620)
- ⑨ PORTLAND CEMENT CONCRETE SHOULDERS, 10" (48300500)
- ⑩ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (60605000)
- ⑪ AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- ⑫ SHOULDER REMOVAL AND REPLACEMENT 12" (60100081)
- ⑬ CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE (X6640535)
- ⑭ CHAIN LINK FENCE, 6' (SPECIAL) (X6640560)
- ⑮ SAWED LONGITUDINAL JOINT (SEE DETAIL)
- ⑯ POROUS GRANULAR BACKFILL (20900110)
- ⑰ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- ⑱ COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.24 (60608521)
- ⑲ CONCRETE GUTTER, TYPE B (60602800)
- Ⓡ REMOVAL ITEMS



EXIT RAMP/MANNHEIM ROAD
EXIT RAMP STA 13+15.98 TO STA 16+00



EXIT RAMP/MANNHEIM ROAD
EXIT RAMP STA 16+00 TO STA 19+55



PLAN
(ALL BARS TO BE EPOXY COATED)

CBG CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 923-0900

USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - PWN	REVISED -
PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
	DATE = 10/17/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

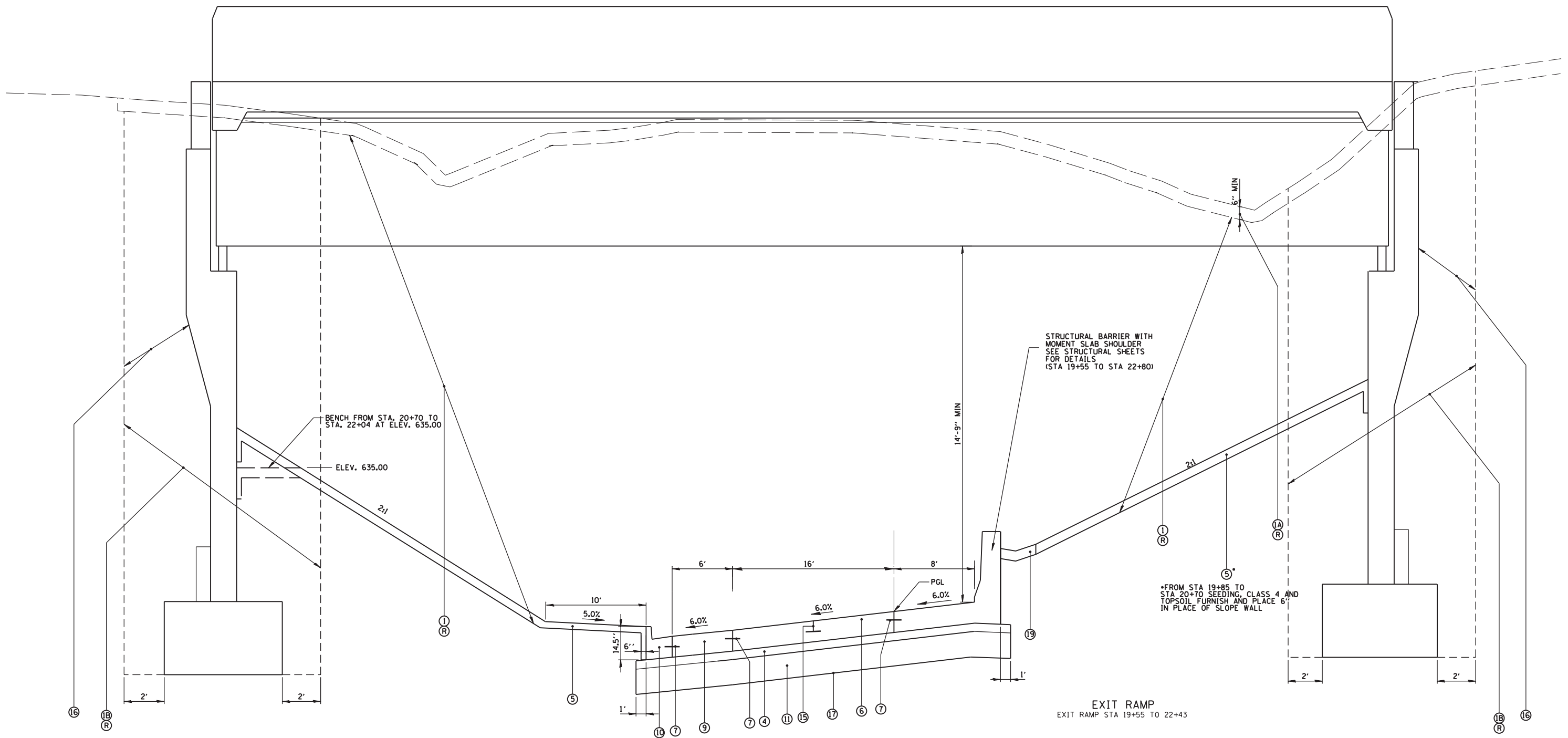
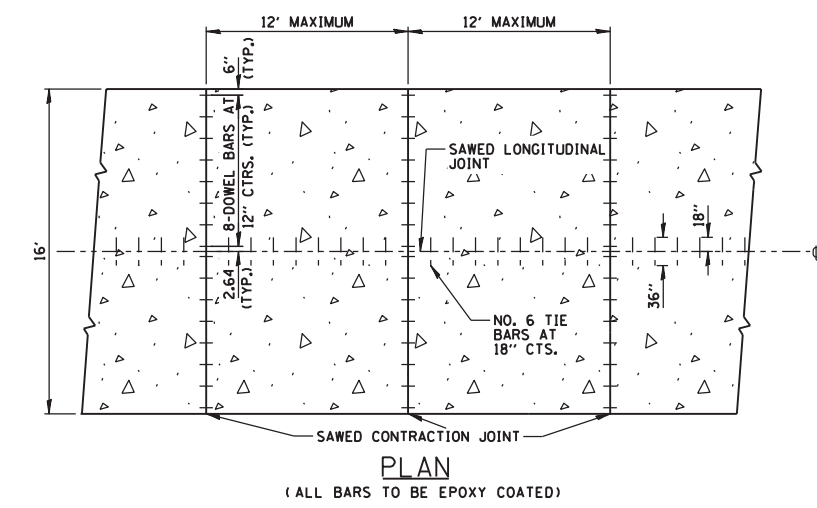
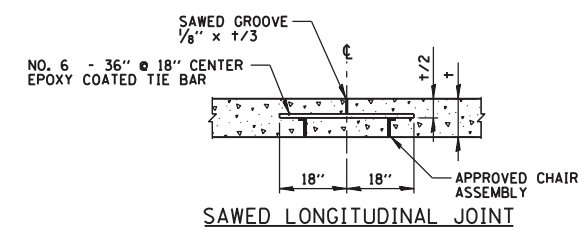
PROPOSED TYPICAL SECTIONS
BALMORAL UNDERPASS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	44
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EARTH EXCAVATION (20200100)
- ①A REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- ①B STRUCTURE EXCAVATION (50200100)
- ② EMBANKMENT (INCLUDED IN COST OF EARTH EXCAVATION)
- ③ TOPSOIL FURNISH AND PLACE, 6" (21101625)
SEEDING, SEE LANDSCAPE PLANS FOR CLASS
- ④ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (31200502)
- ⑤ SLOPE WALL 4 INCH (SEE STRUCTURAL SHEETS FOR DETAILS) (51100100)
- ⑥ PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) (42000501)
- ⑦ NO. 6 TIE BARS 36 INCHES LONG AT 18-INCH CENTERS
(INCLUDED IN THE COST OF ADJACENT CONCRETE ITEMS)
- ⑧ AGGREGATE SHOULDERS, TYPE B, 10" (48101620)
- ⑨ PORTLAND CEMENT CONCRETE SHOULDERS, 10" (48300500)
- ⑩ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (60605000)
- ⑪ AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- ⑫ SHOULDER REMOVAL AND REPLACEMENT 12" (60100081)
- ⑬ CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE (X6640535)
- ⑭ CHAIN LINK FENCE, 6' (SPECIAL) (X6640560)
- ⑮ SAWED LONGITUDINAL JOINT (SEE DETAIL)
- ⑯ POROUS GRANULAR BACKFILL (20900110)
- ⑰ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- ⑱ COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.24 (60608521)
- ⑲ CONCRETE GUTTER, TYPE B (60602800)
- Ⓡ REMOVAL ITEMS



CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 923-0900

USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - PWN	REVISED -
PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
	DATE = 10/17/2012	REVISED -

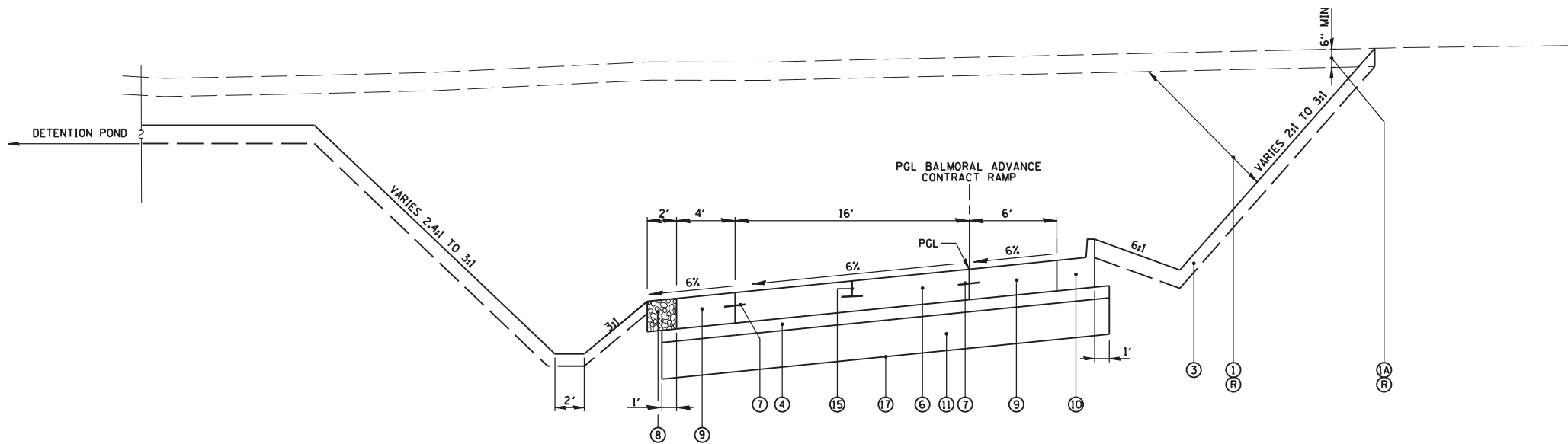
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS BALMORAL UNDERPASS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	45
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

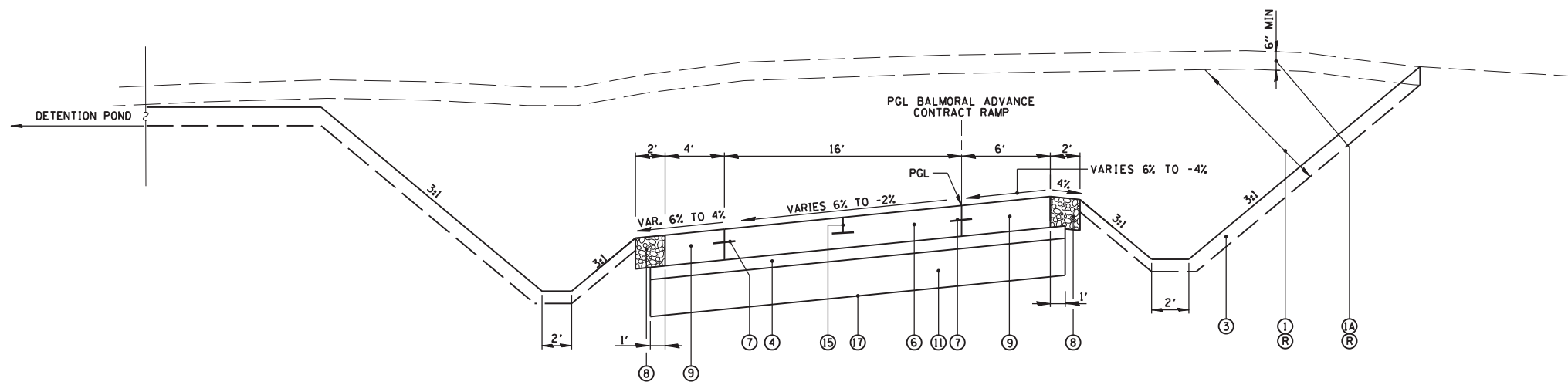
LEGEND

- ① EARTH EXCAVATION (20200100)
- ①A REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- ①B STRUCTURE EXCAVATION (50200100)
- ② EMBANKMENT (INCLUDED IN COST OF EARTH EXCAVATION)
- ③ TOPSOIL FURNISH AND PLACE, 6" (21101625)
SEEDING, SEE LANDSCAPE PLANS FOR CLASS
- ④ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (31200502)
- ⑤ SLOPE WALL 4 INCH (SEE STRUCTURAL SHEETS FOR DETAILS) (51100100)
- ⑥ PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) (42000501)
- ⑦ NO. 6 TIE BARS 36 INCHES LONG AT 18-INCH CENTERS
(INCLUDED IN THE COST OF ADJACENT CONCRETE ITEMS)
- ⑧ AGGREGATE SHOULDERS, TYPE B, 10" (48101620)
- ⑨ PORTLAND CEMENT CONCRETE SHOULDERS, 10" (48300500)
- ⑩ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (60605000)
- ⑪ AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- ⑫ SHOULDER REMOVAL AND REPLACEMENT 12" (60100081)
- ⑬ CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE (X6640535)
- ⑭ CHAIN LINK FENCE, 6' (SPECIAL) (X6640560)
- ⑮ SAWED LONGITUDINAL JOINT (SEE DETAIL)
- ⑯ POROUS GRANULAR BACKFILL (20900110)
- ⑰ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- ⑱ COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.24 (60608521)
- ⑲ CONCRETE GUTTER, TYPE B (60602800)
- Ⓡ REMOVAL ITEMS



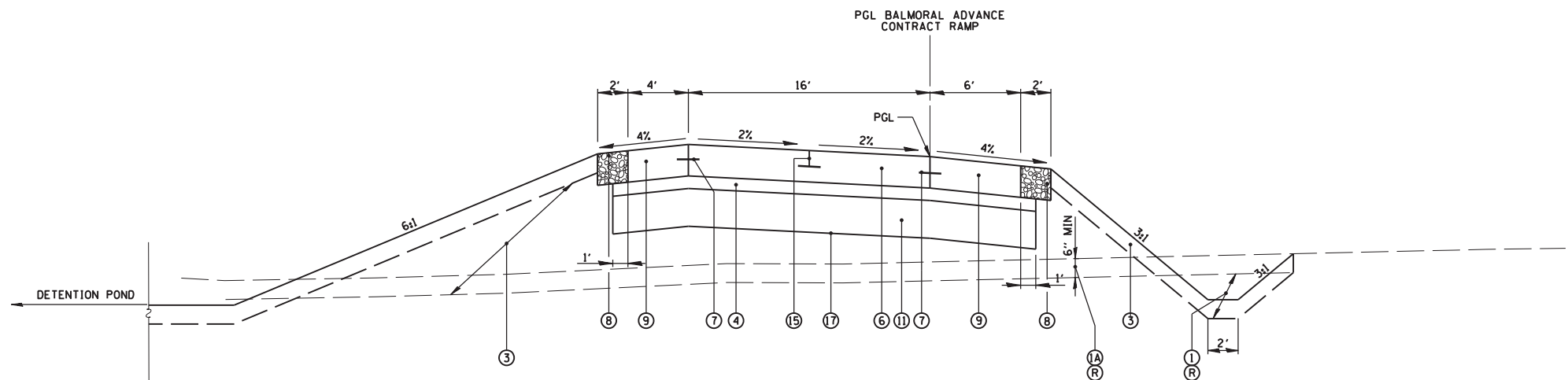
EXIT RAMP

STA. 22+43.00 TO STA. 24+43.65



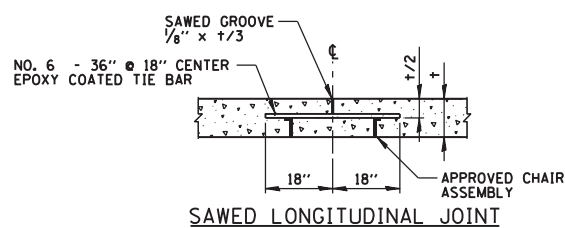
EXIT RAMP

STA. 24+43.65 TO STA. 28+15.00

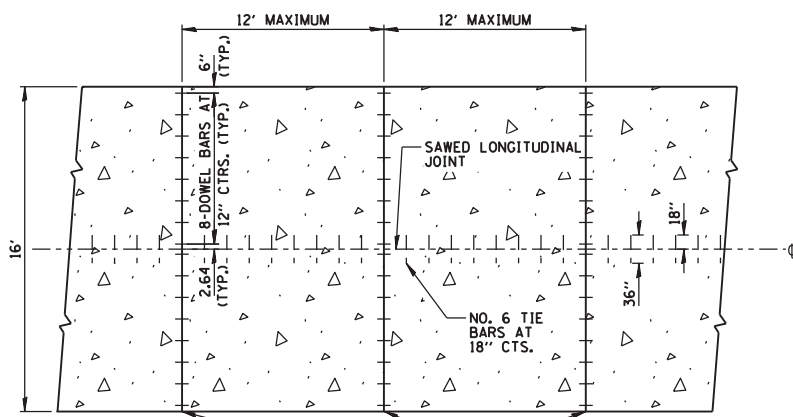


EXIT RAMP

STA. 28+15.00 TO STA. 36+31.80



SAWED LONGITUDINAL JOINT



PLAN

(ALL BARS TO BE EPOXY COATED)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	46
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 923-0900

USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - PWN	REVISED -
PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
	DATE = 10/17/2012	REVISED -

MANNHEIM ROAD SCHEDULE

LOCATION					CC&G	GUARDRAIL REMOVAL	PAVED DITCH REMOVAL
ALIGNMENT	DIRECTION	DRAWING	STATION	STATION	(FOOT)	(FOOT)	(FOOT)
MANNHEIM		REM-01, TOP	32+80.29	40+00.00		720	
MANNHEIM		REM-02, TOP	40+00.00	43+71.83		372	
MANNHEIM	SB	REM-02, TOP	44+94.69	49+56.27	460		
MANNHEIM		REM-02, TOP	45+71.66	54+00.00		828	
MANNHEIM		REM-02, BOTTOM	54+00.00	57+97.12		397	
MANNHEIM		REM-02, BOTTOM	57+18.71	61+31.92	480		
MANNHEIM		REM-02, BOTTOM	61+67.57	65+43.14	461		
MANNHEIM		REM-02, BOTTOM	65+61.59	68+00.00		238	
MANNHEIM		REM-02, BOTTOM	65+62.33	66+68.70	107		
MANNHEIM		REM-03, TOP	68+00.00	82+00.00		1400	
MANNHEIM		REM-03, BOTTOM	82+00.00	96+00.00		1400	
MANNHEIM	SB	REM-03, BOTTOM	83+72.12	86+88.77	316		
MANNHEIM	SB	REM-03, BOTTOM	83+80.41	86+96.52		316	
MANNHEIM	SB	REM-03, BOTTOM	88+32.53	94+14.39	582		
MANNHEIM		REM-04, TOP	96+00.00	107+74.29		1174	
MANNHEIM	NB	REM-04, TOP	97+87.50	100+53.06		266	
MANNHEIM	SB	REM-04, TOP	100+38.70	102+04.08		165	
MANNHEIM	NB	REM-04, TOP	107+74.29	110+00.00		225	
MANNHEIM	SB	REM-04, TOP	107+74.29	110+00.00		227	
MANNHEIM		REM-04, TOP	108+96.86	110+00.00			103
MANNHEIM		REM-04, BOTTOM	110+00.00	114+78.71			479
MANNHEIM	NB	REM-04, BOTTOM	110+00.00	114+83.18		483	
MANNHEIM	NB	REM-04, BOTTOM	114+07.04	114+62.19		56	
MANNHEIM	SB	REM-04, BOTTOM	110+00.00	114+72.92		473	
MONTROSE	WB	REM-02, TOP	09+20.69	07+10.00	211		
MONTROSE	EB	REM-02, TOP	09+50.12	07+10.00	261		
LAWRENCE	WB	REM-05, TOP	11+54.52	11+78.93	40		
LAWRENCE	EB	REM-05, TOP	11+54.52	11+75.64	66		
LAWRENCE	EB	REM-05, TOP	12+00.68	15+34.85	367		
LAWRENCE	WB	REM-05, TOP	12+18.86	15+21.50	322		

TOTAL	3673	8740	582
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MANNHEIM ROAD SCHEDULE

LOCATION				PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 4"	PAVED SHOULDER REMOVAL	CONCRETE MEDIAN REMOVAL
ALIGNMENT	DRAWING	STATION	STATION	(SQ YD)	(SQ YD)	(SQ YD)	(SQ FT)
MANNHEIM	REM-01, BOTTOM	28+00.00	40+00.00	4384	5224	4922	8234
MANNHEIM	REM-02, TOP	40+00.00	54+00.00	10912		4698	
MANNHEIM	REM-02, BOTTOM	54+00.00	68+00.00	9929		3027	6039
MANNHEIM	REM-03, TOP	68+00.00	82+00.00	9268		5448	
MANNHEIM	REM-03, BOTTOM	82+00.00	96+00.00	11529		4704	
MANNHEIM	REM-04, TOP	96+00.00	110+00.00	10293		6243	
MANNHEIM	REM-04, BOTTOM	110+00.00	124+00.00	3545		2525	
LAWRENCE	REM-05, TOP	11+54.52	15+34.85	1733	343		

TOTAL	61593	5567	31567	14273
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MANNHEIM ROAD SCHEDULE

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	CONCRETE MEDIAN, TYPE SB-6.12	CONCRETE MEDIAN, TYPE SM-4.24	CONCRETE MEDIAN, TYPE SM-6.24	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 INCH HEIGHT	CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT	CLASS SI CONCRETE (OUTLET), SPECIAL	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 FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(CU YD)	(FOOT)
MANNHEIM	PP-01	28+00.00	40+00.00	400	709	551	1125	9344	9526	5759	2496			1305					4403				2.7	
MANNHEIM	PP-02	40+00.00	54+00.00					19440	19439	15072	2680					2190		473	4521					
MANNHEIM	PP-03	54+00.00	68+00.00					19968	19968	16054	2280				929		3593	117	80	4027				
MANNHEIM	PP-04	68+00.00	82+00.00					24451	17557	11791	4483								1681		964	1.3	473	
MANNHEIM	PP-05	82+00.00	96+00.00					22248	22313	14862	5319								1842		1310	1.3		
MANNHEIM	PP-06	96+00.00	110+00.00					22794	22998	14660	6580								972		1400	1.3	525	
MANNHEIM	PP-07	110+00.00	124+00.00					7361	7480	4904	2034								145	700	86	1.3		
LAWRENCE	PP-08	11+54.52	15+34.85	61	51	40	728	2365	2353	2088		2847	660				737	8						

TOTAL	461	760	591	1853	127971	121634	85190	25872	2847	965	1305	929	5783	854	562	17591	700	3760	8	998
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NOTES

- SCHEDULES ON THIS SHEET DO NOT INCLUDE QUANTITIES FOR BALMORAL.

SC-01



USER NAME = lsupencheck	DESIGNED	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 1:1	CHECKED LLS	REVISED -
PLOT DATE = 22-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
MANNHEIM ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	47
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - MANNHEIM ROAD

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)
28+00.00	28+50.00	105	0	79	2	77	0	16	14
28+50.00	29+00.00	93	0	70	3	67	0	26	17
29+00.00	29+50.00	100	0	75	4	71	0	31	16
29+50.00	30+00.00	110	0	83	6	77	0	35	14
30+00.00	30+50.00	113	0	85	25	60	0	43	24
30+50.00	31+00.00	117	0	88	38	50	0	51	33
31+00.00	31+50.00	126	0	95	34	61	0	54	32
31+50.00	32+00.00	123	0	92	26	66	0	50	28
32+00.00	32+50.00	124	0	93	15	78	0	40	20
32+50.00	33+00.00	517	0	388	22	366	0	56	41
33+00.00	33+50.00	916	0	687	27	660	0	79	66
33+50.00	34+00.00	926	0	695	22	673	0	81	65
34+00.00	34+50.00	922	0	692	17	675	0	87	65
34+50.00	35+00.00	937	0	703	15	688	0	87	66
35+00.00	35+50.00	674	0	506	16	490	0	65	41
35+50.00	36+00.00	393	0	295	15	280	0	44	16
36+00.00	36+50.00	387	0	290	19	271	0	36	16
36+50.00	37+00.00	370	0	278	22	256	0	31	16
37+00.00	37+50.00	353	0	265	20	245	0	33	16
37+50.00	38+00.00	365	0	274	13	261	0	33	16
38+00.00	38+50.00	386	0	290	6	284	0	28	16
38+50.00	39+00.00	397	0	298	4	294	0	28	15
39+00.00	39+50.00	415	0	311	2	309	0	28	15
39+50.00	40+00.00	410	0	308	4	304	0	17	15
40+00.00	40+50.00	400	0	300	5	295	0	8	14
40+50.00	41+00.00	412	0	309	1	308	0	8	14
41+00.00	41+50.00	428	0	321	0	321	0	8	14
41+50.00	42+00.00	425	0	319	1	318	0	10	15
42+00.00	42+50.00	397	0	298	4	294	0	12	16
42+50.00	43+00.00	368	0	276	10	266	0	13	17
43+00.00	43+50.00	332	0	249	14	235	0	13	17
43+50.00	44+00.00	291	0	218	17	201	0	13	18
44+00.00	44+50.00	212	0	159	24	135	0	12	19
44+50.00	45+50.00	428	0	321	47	274	0	26	36
45+50.00	46+00.00	286	0	215	20	195	0	16	16
46+00.00	46+50.00	301	0	226	21	205	0	17	16
46+50.00	47+00.00	304	0	228	19	209	0	16	16
47+00.00	47+50.00	305	0	229	16	213	0	15	15
47+50.00	48+00.00	300	0	225	16	209	0	15	15
48+00.00	48+50.00	147	250	110	34	76	110	15	37
48+50.00	49+00.00	1	497	1	47	-46	218	15	43
49+00.00	49+50.00	1	497	1	41	-40	217	14	28
49+50.00	50+00.00	2	502	2	37	-36	216	17	29
50+00.00	50+50.00	4	507	3	35	-32	214	19	30
50+50.00	51+00.00	6	509	5	33	-29	214	18	29
51+00.00	51+50.00	5	504	4	33	-29	214	16	28
51+50.00	52+00.00	145	249	109	23	86	107	16	14
52+00.00	52+50.00	290	0	218	11	207	0	16	0
52+50.00	53+00.00	293	0	220	13	207	0	14	0
53+00.00	53+50.00	291	0	218	15	203	0	13	0
53+50.00	54+00.00	287	0	215	19	196	0	13	0
54+00.00	54+50.00	282	0	212	22	190	0	11	0
54+50.00	55+00.00	282	0	212	24	188	0	10	0
55+00.00	55+50.00	281	0	211	20	191	0	13	0
55+50.00	56+00.00	282	0	212	13	199	0	16	0
56+00.00	56+50.00	288	0	216	8	208	0	19	0
56+50.00	57+00.00	296	0	222	6	216	0	25	0
57+00.00	57+50.00	310	0	233	4	229	0	20	0
57+50.00	58+00.00	322	0	242	7	235	0	10	0
58+00.00	58+50.00	330	0	248	14	234	0	8	0
58+50.00	59+00.00	321	0	241	18	223	0	8	0
59+00.00	59+50.00	308	0	231	18	213	0	7	0
59+50.00	60+00.00	302	0	227	16	211	0	8	0
60+00.00	61+00.00	588	0	441	17	424	0	14	0
61+00.00	61+50.00	308	0	231	0	231	0	16	0
61+50.00	62+00.00	355	0	266	0	266	0	27	0
62+00.00	62+50.00	381	0	286	6	280	0	30	0
62+50.00	63+00.00	356	0	267	9	258	0	30	0
63+00.00	63+50.00	347	0	260	6	254	0	31	0
63+50.00	64+00.00	398	0	299	9	290	0	38	0
64+00.00	64+50.00	465	0	349	10	339	0	45	0
64+50.00	65+00.00	514	0	386	13	373	0	48	0
65+00.00	65+50.00	532	0	399	17	382	0	47	0

SC-02



USER NAME = lsupencheck
PLOT SCALE = 1:1
PLOT DATE = 22-OCT-2012

DESIGNED
DRAWN MMK
CHECKED LLS
DATE 10/19/12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	48
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - MANNHEIM 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)
65+50.00	66+00.00	483	0	362	17	345	0	40	0
66+00.00	66+50.00	431	0	323	14	309	0	34	0
66+50.00	67+00.00	424	0	318	21	297	0	34	0
67+00.00	67+50.00	439	0	329	18	311	0	34	0
67+50.00	68+00.00	472	0	354	7	347	0	35	0
68+00.00	68+50.00	468	0	351	8	343	0	38	0
68+50.00	69+00.00	466	0	350	13	337	0	41	0
69+00.00	69+50.00	506	0	380	16	364	0	44	0
69+50.00	70+00.00	517	0	388	36	352	0	47	0
70+00.00	70+50.00	549	0	412	42	370	0	47	0
70+50.00	71+00.00	571	0	428	33	395	0	47	0
71+00.00	71+50.00	530	0	398	38	360	0	48	0
71+50.00	72+00.00	495	0	371	42	329	0	49	0
72+00.00	72+50.00	490	0	368	39	329	0	49	0
72+50.00	73+00.00	499	0	374	34	340	0	48	0
73+00.00	73+50.00	496	0	372	35	337	0	48	0
73+50.00	74+00.00	400	0	300	43	257	0	27	0
74+00.00	74+50.00	157	0	118	26	92	0	3	0
74+50.00	75+00.00	0	0	0	0	0	0	0	0
75+00.00	75+50.00	0	0	0	0	0	0	0	0
75+50.00	76+00.00	0	243	0	52	-52	111	12	5
76+00.00	76+50.00	1	486	1	100	-99	221	24	11
76+50.00	77+00.00	4	484	3	73	-70	221	24	13
77+00.00	77+50.00	8	482	6	51	-45	221	24	14
77+50.00	78+00.00	8	482	6	51	-45	221	24	15
78+00.00	78+50.00	8	482	6	51	-45	221	24	15
78+50.00	79+00.00	8	482	6	51	-45	221	24	15
79+00.00	79+50.00	204	241	153	32	121	110	19	7
79+50.00	80+00.00	338	0	254	14	240	0	14	0
80+00.00	80+50.00	273	0	205	18	187	0	14	0
80+50.00	81+00.00	265	0	199	18	181	0	14	0
81+00.00	81+50.00	262	0	197	17	180	0	15	0
81+50.00	82+00.00	245	0	184	22	162	0	15	0
82+00.00	82+50.00	200	0	150	26	124	0	15	0
82+50.00	83+00.00	243	0	182	27	155	0	16	0
83+00.00	83+50.00	285	0	214	25	189	0	16	0
83+50.00	84+00.00	254	0	191	22	169	0	15	0
84+00.00	84+50.00	254	0	191	20	171	0	14	0
84+50.00	85+00.00	301	0	226	10	216	0	18	0
85+00.00	85+50.00	356	0	267	1	266	0	21	0
85+50.00	86+00.00	377	0	283	2	281	0	23	0
86+00.00	86+50.00	424	0	318	2	316	0	28	0
86+50.00	87+00.00	477	0	358	0	358	0	32	0
87+00.00	87+50.00	514	0	386	6	380	0	35	0
87+50.00	88+00.00	536	0	402	13	389	0	38	0
88+00.00	89+00.00	1,075	0	806	27	779	0	76	0
89+00.00	89+50.00	538	0	404	8	396	0	37	0
89+50.00	90+00.00	536	0	402	7	395	0	38	0
90+00.00	90+50.00	525	0	394	7	387	0	38	0
90+50.00	91+00.00	505	0	379	7	372	0	38	0
91+00.00	91+50.00	271	292	203	13	190	85	35	9
91+50.00	92+00.00	48	587	36	20	16	172	33	19
92+00.00	92+50.00	22	596	17	23	-7	171	24	19
92+50.00	93+00.00	0	598	0	26	-26	169	15	20
93+00.00	93+50.00	0	605	0	26	-26	172	16	21
93+50.00	94+00.00	0	624	0	26	-26	175	17	23
94+00.00	94+50.00	0	570	0	22	-22	158	15	23
94+50.00	95+00.00	171	254	128	11	117	71	12	11
95+00.00	95+50.00	365	0	274	3	271	0	12	0
95+50.00	96+00.00	400	0	300	0	300	0	9	0
96+00.00	96+50.00	408	0	306	0	306	0	5	0
96+50.00	97+00.00	408	0	306	2	304	0	7	0
97+00.00	97+50.00	418	0	314	4	310	0	8	0
97+50.00	98+00.00	429	0	322	4	318	0	10	0
98+00.00	98+50.00	432	0	324	2	322	0	10	0
98+50.00	99+00.00	436	0	327	0	327	0	8	0
99+00.00	99+50.00	468	0	351	0	351	0	14	0
99+50.00	100+00.00	502	0	377	0	377	0	17	0
100+00.00	100+50.00	510	0	383	2	381	0	22	0
100+50.00	101+00.00	500	0	375	2	373	0	22	0
101+00.00	101+50.00	494	0	371	1	370	0	18	0
101+50.00	102+00.00	502	0	377	1	376	0	22	0
102+00.00	102+50.00	504	0	378	0	378	0	25	0

SC-03



USER NAME = lsupencheck
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 3 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	606	279
CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	

EARTHWORK SCHEDULE - MANNHEIM 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)
102+50.00	103+00.00	510	0	383	1	382	0	29	0
103+00.00	103+50.00	528	0	396	4	392	0	35	0
103+50.00	104+00.00	551	0	413	7	406	0	38	0
104+00.00	104+50.00	580	0	435	8	427	0	41	0
104+50.00	105+00.00	592	0	444	8	436	0	44	0
105+00.00	105+50.00	597	0	448	8	440	0	46	0
105+50.00	106+00.00	612	0	459	11	448	0	47	0
106+00.00	106+50.00	493	0	370	8	362	0	29	0
106+50.00	107+00.00	364	0	273	3	270	0	10	0
107+00.00	107+50.00	377	0	283	2	281	0	9	0
107+50.00	108+00.00	401	0	301	3	298	0	10	0
108+00.00	108+50.00	411	0	308	4	304	0	12	0
108+50.00	109+00.00	440	0	330	2	328	0	10	0
109+00.00	109+50.00	478	0	359	0	359	0	7	0
109+50.00	110+00.00	486	0	365	0	365	0	6	0
110+00.00	110+50.00	489	0	367	0	367	0	7	0
110+50.00	111+00.00	492	0	369	0	369	0	7	0
111+00.00	111+50.00	470	0	353	1	352	0	7	0
111+50.00	112+00.00	442	0	332	1	331	0	6	0
112+00.00	112+50.00	414	0	311	0	311	0	6	0
112+50.00	113+00.00	380	0	285	0	285	0	7	0
113+00.00	113+50.00	364	0	273	0	273	0	8	0
113+50.00	114+00.00	313	0	235	14	221	0	8	0
MANNHEIM SUB-TOTAL		59,377	11,023	44,533	2,705	41,828	4,230	4,211	1,419

EARTHWORK SCHEDULE - RAMP M2CD1									
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)
910+25.00	910+50.00	49	0	37	11	26	0	16	16
910+50.00	910+75.00	34	0	26	9	17	0	16	13
910+75.00	911+00.00	33	0	25	7	18	0	12	10
911+00.00	911+25.00	34	0	26	5	21	0	10	7
911+25.00	911+50.00	35	0	26	4	22	0	9	6
911+50.00	911+75.00	36	0	27	3	24	0	7	4
911+75.00	912+00.00	37	0	28	0	28	0	5	3
912+00.00	912+25.00	38	0	29	0	29	0	4	2
912+25.00	912+50.00	40	0	30	0	30	0	3	1
912+50.00	912+75.00	40	0	30	0	30	0	3	1
912+75.00	913+00.00	41	0	31	0	31	0	3	2
913+00.00	913+25.00	43	0	32	0	32	0	3	2
913+25.00	913+50.00	44	0	33	0	33	0	3	3
913+50.00	913+63.41	24	0	18	0	18	0	1	1
SUB-TOTAL		528	0	396	39	357	0	95	71

EARTHWORK SCHEDULE - RAMP EBNE									
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)
1103+07.23	1103+25.00	37	0	28	4	24	0	10	10
1103+25.00	1103+50.00	55	0	41	5	36	0	13	13
1103+50.00	1103+75.00	57	0	43	1	42	0	5	5
1103+75.00	1104+00.00	58	0	44	3	41	0	5	5
1104+00.00	1104+25.00	57	0	43	5	38	0	7	7
1104+25.00	1104+50.00	55	0	41	4	37	0	6	7
1104+50.00	1104+75.00	52	0	39	3	36	0	6	6
SUB-TOTAL		371	0	278	25	253	0	52	53

EARTHWORK SCHEDULE - RAMP SBEB									
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)
1001+75.00	1001+75.00	24	0	18	2	16	0	4	4
1002+00.00	1002+00.00	42	0	32	2	30	0	5	5
1002+25.00	1002+25.00	46	0	35	2	33	0	5	5
1002+50.00	1002+50.00	50	0	38	1	37	0	4	4
SUB-TOTAL		162	0	122	7	115	0	18	18

SC-04



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 4 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	50
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE - MONTROSE									
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)
7+10.00	7+25.00	55	0	41	0	41	0	2	2
7+25.00	7+50.00	92	0	69	0	69	0	3	3
7+50.00	7+75.00	96	0	72	0	72	0	3	4
7+75.00	8+00.00	105	0	79	0	79	0	3	5
8+00.00	8+25.00	117	0	88	0	88	0	3	6
8+25.00	8+50.00	129	0	97	0	97	0	3	7
SUB-TOTAL		594	0	446	0	446	0	17	27

EARTHWORK SCHEDULE - LAWRENCE									
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)
11+40.66	11+50.00	0	51	0	7	-7	26	3	8
11+50.00	11+60.00	0	53	0	8	-8	27	4	9
11+60.00	11+70.00	0	54	0	8	-8	29	4	9
11+70.00	11+90.00	0	130	0	12	-12	74	3	9
11+90.00	12+00.00	0	74	0	3	-3	44	0	0
12+00.00	12+30.00	0	184	0	17	-17	104	6	9
12+30.00	12+50.00	0	103	0	15	-15	48	6	14
12+50.00	12+75.00	1	137	1	14	-13	60	5	18
12+75.00	13+00.00	1	141	1	10	-9	59	4	16
13+00.00	13+25.00	2	142	2	7	-6	60	3	14
13+25.00	13+32.58	1	43	1	1	0	18	0	4
13+32.58	13+50.00	2	101	2	6	-5	40	1	9
13+50.00	14+00.00	6	299	5	21	-17	111	4	25
14+00.00	14+25.00	4	149	3	10	-7	53	3	12
14+25.00	14+50.00	4	143	3	10	-7	51	4	12
14+50.00	14+75.00	14	70	11	5	6	25	4	11
14+75.00	15+00.00	21	0	16	0	16	0	5	11
SUB-TOTAL		56	1,874	42	154	-112	829	59	190

EARTHWORK SCHEDULE - RAMP A									
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)
18+75.00	19+00.00	18	0	14	9	5	0	0	10
19+00.00	19+25.00	27	0	20	6	14	0	0	11
19+25.00	19+50.00	33	0	25	4	21	0	0	12
19+50.00	19+75.00	36	0	27	3	24	0	0	12
19+75.00	20+00.00	37	0	28	2	26	0	0	8
20+00.00	20+25.00	38	0	29	1	28	0	0	5
20+25.00	20+50.00	38	0	29	1	28	0	0	5
20+50.00	20+75.00	38	0	29	1	28	0	0	3
20+75.00	21+00.00	39	0	29	0	29	0	0	4
SUB-TOTAL		304	0	228	27	201	0	0	70

EARTHWORK SCHEDULE - RAMP B									
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)
1203+15.36	1203+18.61	5	0	4	0	4	0	1	1
1203+18.61	1203+25.00	10	0	8	1	7	0	2	3
1203+25.00	1203+40.00	23	0	17	3	14	0	8	8
1203+40.00	1203+50.00	15	0	11	2	9	0	5	5
1203+50.00	1203+58.07	12	0	9	0	9	0	2	2
1203+58.07	1203+75.00	26	0	20	1	19	0	4	4
SUB-TOTAL		91	0	68	7	61	0	22	23

SC-05



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SCHEDULE OF QUANTITIES

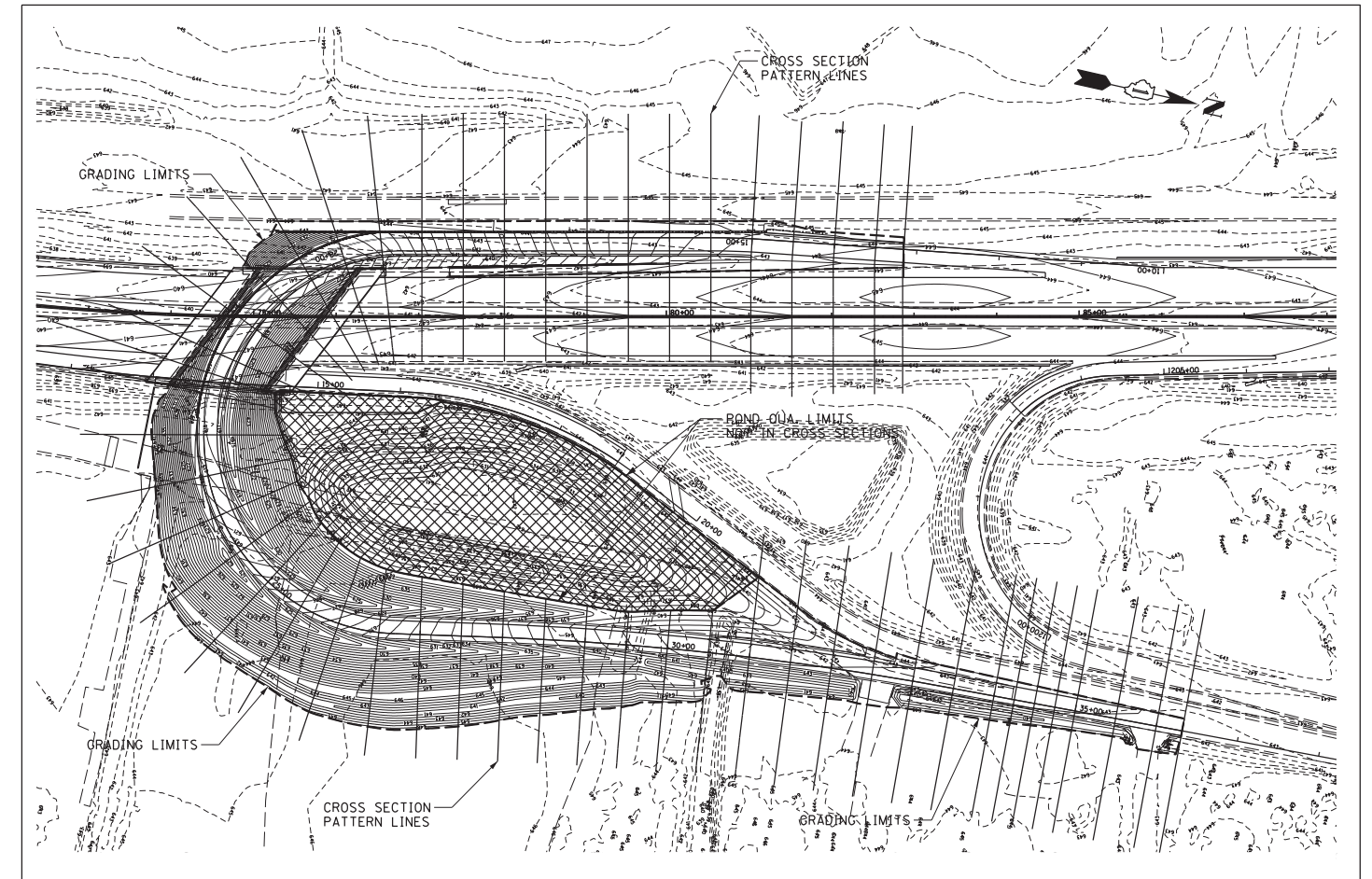
SCALE: N.T.S. SHEET NO. 5 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	51
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

EARTH EXCAVATION & FURNISHED EXCAVATION AND UNSUITABLE MATERIAL REMOVAL STA. 13+15.98 TO STA.36+31.80											
STATION	CUT AREA SQ. FT.	CUT VOLUME CU. YD.	FILL AREA SQ. FT.	FILL VOLUME CU. YD.	MULT. FACTOR	EXPANDED FILL VOLUME CU. YD.	TOPSOIL PLACE AREA SQ. FT.	TOPSOIL PLACE VOL. CU. YD.	UNSUITABLE REM AREA SQ. FT.	UNSUITABLE REM VOL. CU. YD.	
13+15.98	37.1	0.0	0.2	0.0	1.2	0.0	2.0	0.0	17.1	0.0	
13+50.00	44.2	51.3	0.0	0.1	1.2	0.2	3.0	3.1	19.7	23.2	
14+00.00	61.6	97.9	0.0	0.0	1.2	0.0	3.0	5.6	21.4	38.0	
14+50.00	78.3	129.5	0.3	0.2	1.2	0.3	5.3	7.7	22.0	40.1	
15+00.00	72.0	139.2	0.1	0.3	1.2	0.4	0.0	4.9	21.9	40.6	
15+50.00	66.2	128.0	0.4	0.5	1.2	0.5	0.0	0.0	22.1	40.7	
16+00.00	98.5	152.5	25.0	23.6	1.2	27.1	0.0	0.0	18.4	37.5	
16+50.00	145.1	225.5	18.7	40.4	1.2	46.5	0.0	0.0	18.6	34.2	
17+00.00	206.3	325.3	37.6	52.0	1.2	56.8	0.0	0.0	17.7	33.6	
17+50.00	280.8	451.0	29.9	62.5	1.2	71.8	0.0	0.0	17.9	32.9	
18+00.00	346.8	581.1	68.5	91.1	1.2	104.8	0.0	0.0	17.3	32.6	
18+50.00	448.8	736.6	146.0	198.6	1.2	226.4	0.0	0.0	17.3	32.1	
19+00.00	578.4	951.1	158.8	282.2	1.2	324.5	0.0	0.0	17.8	32.5	
19+50.00	699.2	1182.9	138.8	275.5	1.2	316.8	0.0	0.0	18.1	33.3	
20+00.00	1000.7	1574.0	134.9	253.4	1.2	291.5	4.1	3.8	24.4	39.3	
20+50.00	1632.4	2438.0	145.1	259.3	1.2	298.2	16.8	19.4	26.9	47.5	
21+00.00	1719.9	2966.9	346.2	455.0	1.2	523.2	0.0	15.6	20.6	44.0	
21+50.00	1558.7	2898.6	317.6	614.7	1.2	706.9	0.0	0.0	13.9	31.9	
22+00.00	1651.2	2972.1	331.1	600.7	1.2	690.8	0.0	0.0	0.1	13.0	
22+25.32	1910.9	1670.2	149.3	225.3	1.2	259.1	8.0	3.7	12.9	6.1	
22+50.00	2073.7	1821.1	0.1	68.3	1.2	78.6	49.9	26.4	66.8	36.4	
23+00.00	2746.7	4463.3	0.0	0.1	1.2	0.1	64.0	105.4	79.5	135.4	
23+50.00	2778.1	5115.6	0.0	0.0	1.2	0.0	67.8	122.0	83.3	150.7	
24+00.00	2888.3	5246.6	0.0	0.0	1.2	0.0	74.4	131.6	89.9	160.4	
24+50.00	3013.4	5464.5	0.2	0.2	1.2	0.2	89.0	151.2	104.6	180.1	
25+00.00	2714.9	5304.0	0.0	0.2	1.2	0.2	86.3	162.3	102.0	191.3	
25+50.00	2449.7	4782.1	0.0	0.0	1.2	0.0	81.8	155.7	97.3	184.5	
26+00.00	2278.9	4378.4	0.2	0.2	1.2	0.2	82.8	152.4	98.4	181.2	
26+50.00	2024.9	3985.0	0.0	0.2	1.2	0.2	80.5	151.2	96.1	180.1	
27+00.00	1735.9	3482.1	0.0	0.0	1.2	0.0	76.7	145.6	92.2	174.4	
27+50.00	1438.6	2939.3	0.0	0.0	1.2	0.0	70.6	136.4	86.1	165.1	
28+00.00	1092.0	2343.1	0.0	0.0	1.2	0.0	62.4	123.1	77.9	151.8	
28+50.00	795.4	1747.5	0.0	0.0	1.2	0.0	55.2	108.8	70.5	137.4	
29+00.00	551.7	1247.3	0.0	0.0	1.2	0.0	48.2	95.7	63.6	124.2	
29+50.00	471.7	947.6	0.9	0.9	1.2	1.0	42.6	84.0	58.0	112.6	
30+00.00	175.0	598.8	1.9	2.6	1.2	3.0	40.4	76.8	55.8	105.4	
30+50.00	46.6	205.3	66.1	63.0	1.2	72.4	37.2	71.8	52.6	100.4	
31+00.00	174.6	204.9	43.8	101.7	1.2	117.0	54.3	84.7	69.8	113.3	
31+50.00	87.3	242.5	31.7	69.9	1.2	80.3	38.4	85.8	53.8	114.4	
32+00.00	62.3	138.6	16.9	44.9	1.2	51.7	24.7	58.4	40.2	87.0	
32+50.00	68.5	121.1	0.0	15.6	1.2	18.0	0.0	22.9	17.5	53.4	
33+00.00	96.0	152.3	0.0	0.0	1.2	0.0	12.8	11.8	25.9	40.2	
33+50.00	82.3	165.1	0.0	0.0	1.2	0.0	11.7	22.7	23.5	45.8	
34+00.00	78.0	148.4	0.0	0.0	1.2	0.0	10.4	20.5	21.6	41.8	
34+25.00	52.2	60.3	0.0	0.0	1.2	0.0	10.3	9.6	11.5	15.3	
34+50.00	49.9	47.2	0.0	0.0	1.2	0.0	9.0	8.9	10.4	10.2	
34+75.00	45.6	44.2	0.0	0.0	1.2	0.0	8.2	7.9	9.5	9.2	
35+00.00	38.9	39.1	0.0	0.0	1.2	0.0	7.5	7.3	8.7	8.4	
35+50.00	33.4	66.9	0.0	0.0	1.2	0.0	6.8	13.3	8.1	15.6	
36+00.00	34.8	63.1	0.0	0.0	1.2	0.0	0.0	6.3	0.0	7.5	
36+31.80	20.4	32.5	0.2	0.1	1.2	0.1	10.5	6.2	11.7	6.9	
	SUBTOTAL	75269.7	SUBTOTAL	3803.3	SUBTOTAL	4373.8	SUBTOTAL	2430.5	SUBTOTAL	3673.4	
*QUANTITIES NOT IN CROSS SECTIONS (POND AREA)		25656.2		882.5	1.2	1059.0		1764.7		1764.7	
TOTAL	100925.9	TOTAL	4685.8	TOTAL	5432.8	TOTAL	4195.2	TOTAL	5438.1		

* QUANTITIES GENERATED USING GEOPAK TIN SURFACE TO SURFACE CALCULATIONS.



**CROSS SECTION LOCATION
N.T.S.**

NOTE:

1. "REMOVAL OF UNSUITABLE MATERIAL" INCLUDES:
 - TOPSOIL (6" DEPTH) 5438.1 C.Y.
 - 200 CY FOR REMOVAL OF POOR SOILS AT THE DIRECTION OF THE ENGINEER.
 - TOTAL REMOVAL OF UNSUITABLE MATERIAL IS 5638 C.Y.
2. A QUANTITY OF 200 C.Y. OF POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN INCLUDED IN THE QUANTITIES FOR THE REPLACEMENT OF POOR SOILS.

ALIGNMENT COORDINATES MANNHEIM ROAD			
	STATION	N	E
POT	00+00.00	1925035.57	1106038.00
PC	12+83.40	1926318.93	1106029.53
PI	20+35.71	1927071.23	1106024.57
PT	27+16.73	1927624.81	1106534.01
PC	43+71.38	1928842.36	1107654.46
PI	60+87.10	1930104.86	1108816.28
PT	75+32.09	1931778.67	1108439.36
PC	98+63.64	1934053.26	1107927.15
PI	105+80.05	1934752.17	1107769.77
PT	112+89.06	1935468.31	1107789.32
POT	132+23.42	1937401.95	1107842.10

ALIGNMENT COORDINATES MONTROSE AVENUE			
	STATION	N	E
POT	2+55.00	1929399.25	1107153.16
POT	10+00.00	1928910.20	1107715.17

ALIGNMENT COORDINATES LAWRENCE AVENUE			
	STATION	N	E
POT	10+00.00	1930374.52	1108446.91
POT	13+83.99	1930384.38	1108830.77
POT	15+42.86	1930396.39	1108989.18
POT	19+25.29	1930406.21	1109371.49

ALIGNMENT COORDINATES RAMP M2CD1			
	STATION	N	E
POT	900+00.00	1933787.25	1108048.05
PC	905+25.82	1934307.03	1107968.60
PI	906+32.60	1934412.58	1107952.46
PT	907+39.18	1934519.26	1107947.65
PC	910+48.25	1934828.02	1107933.76
PI	911+89.38	1934969.01	1107927.41
PT	913+23.36	1935092.51	1107995.72
POT	913+63.41	1935127.56	1108015.10

ALIGNMENT COORDINATES RAMP SBEB			
	STATION	N	E
POT	1000+00.00	1935571.48	1107732.61
PC	1000+35.22	1935536.27	1107731.65
PI	1001+02.27	1935469.25	1107729.82
PCC	1001+65.21	1935415.15	1107690.22
PI	1002+13.42	1935376.25	1107661.75
PCC	1002+60.81	1935348.23	1107622.52
PI	1005+55.80	1935176.76	1107382.48
PT	1006+50.81	1935463.22	1107312.05

ALIGNMENT COORDINATES RAMP EBNB			
	STATION	N	E
POT	1100+00.00	1935529.17	1108285.67
PC	1101+03.69	1935462.71	1108206.07
PI	1105+80.14	1935157.33	1107840.35
PT	1105+96.86	1935633.61	1107853.35
POT	1106+49.09	1935685.83	1107854.78

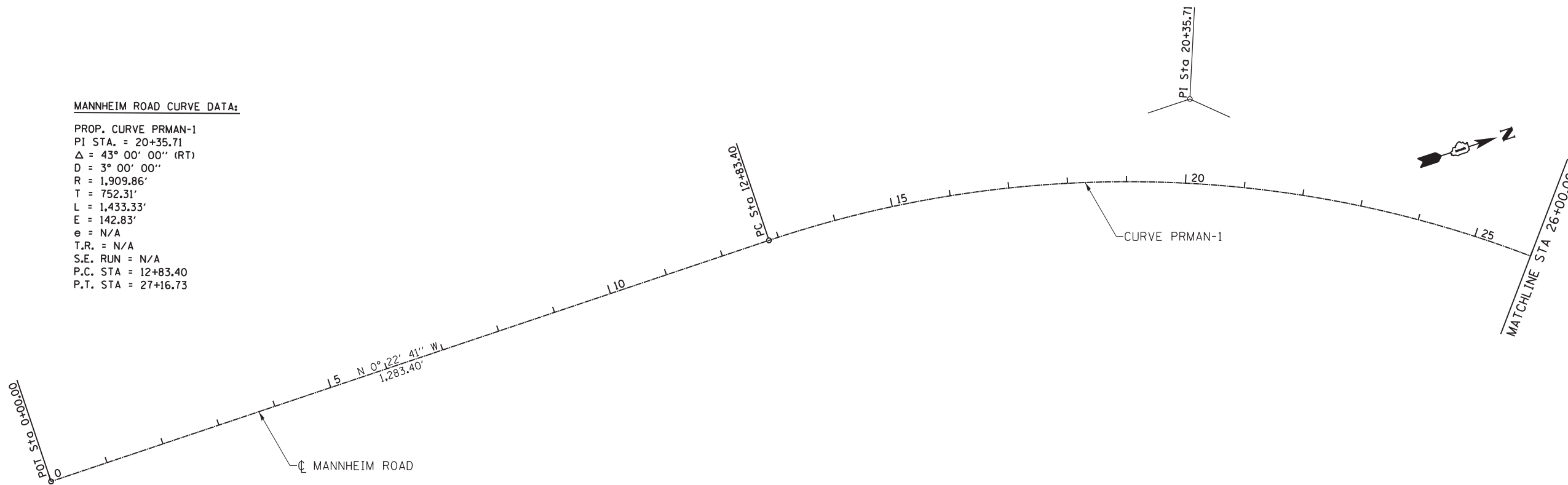
ALIGNMENT COORDINATES RAMP A			
	STATION	N	E
PC	10+00.00	1931122.80	1108581.74
PI	12+45.32	1931368.07	1108577.08
PCC	14+90.25	1931611.71	1108548.43
PI	15+85.19	1931706.00	1108537.35
PT	16+08.08	1931799.51	1108520.91
PC	18+32.20	1931949.34	1108494.58
PI	19+71.50	1932086.53	1108470.48
PT	21+03.91	1932216.43	1108520.78
POT	22+23.57	1932325.47	1108570.09

ALIGNMENT COORDINATES RAMP B			
	STATION	N	E
PC	1200+00.00	1932774.46	1108610.84
PI	1202+21.66	1932561.94	1108547.85
PCC	1203+11.63	1932677.89	1108358.93
PI	1203+36.17	1932690.73	1108338.01
PCC	1203+60.29	1932709.57	1108322.27
PI	1203+99.56	1932739.71	1108297.10
PT	1204+37.48	1932777.84	1108287.69
POT	1210+28.33	1933351.49	1108146.17

BENCHMARK COORDINATES MANNHEIM ROAD				
	STATION	OFFSET	ELEVATION	DESCRIPTION
TBM1	31+01.81	84.87 LT	642.54	CHISLED SQUARE EAST SIDE OF LP*BDN2 CONC BASE ON WEST SIDE MANNHEIM RD. 300' • NORTH OF IRVING PARK
TBM2	44+15.85	70.02 LT	650.20	CHISLED SQUARE EAST SIDE OF MAST ARM CONC BASE ON SW CORNER MANNHEIM AND MONTROSE
TBM3	60+47.58	59.73 LT	642.18	CHISLED SQUARE WEST SIDE OF MAST ARM CONC BASE AT SW QUAD MANNHEIM AND LAWRENCE
TBM4	85+11.52	122.53 RT	641.07	SQUARE CUT ON NW CORNER OF CONC PAD OF RUNWAY LANDING GUIDE LIGHT (STA 20 FL5)
TBM5	83+33.02	121.10 RT	643.08	CHISLED SQUARE ON NW CORNER CONC PAD OF COMMUNICATIONS HANDHOLE IN IN FIELD OF BALMORAL AVE RAMPS
TBM6	94+78.71	90.84 RT	643.11	SQUARE CUT ON NE CORNER OF SIGN TRUSS CONC BASE ON EAST SIDE MANNHEIM RD.
TBM7	113+87.34	69.30 LT	642.47	SQUARE CUT ON WINGWALL AT SW QUAD OF I190 AND MANNHEIM RD.

MANNHEIM ROAD CURVE DATA:

PROP. CURVE PRMAN-1
 PI STA. = 20+35.71
 $\Delta = 43^\circ 00' 00''$ (RT)
 $D = 3^\circ 00' 00''$
 $R = 1,909.86'$
 $T = 752.31'$
 $L = 1,433.33'$
 $E = 142.83'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA = 12+83.40$
 $P.T. STA = 27+16.73$



USER NAME = ROBERT.ESQUIVEL	DESIGNED MT	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN MT	REVISED -
PLOT DATE = 10/18/2012	CHECKED VT	REVISED -
	DATE 10/19/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS
MANNHEIM ROAD**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. 00+00.00 TO STA. 26+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	53
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60G37

MATCHLINE STA 26+00.00

PT Sta 27+16.73

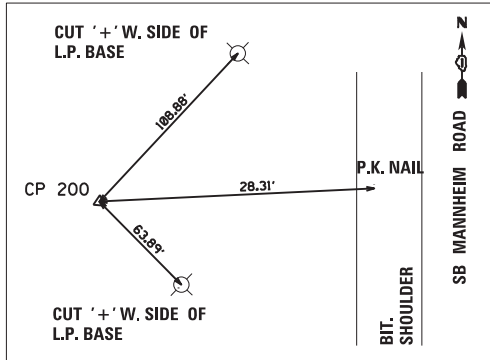
PROJECT IMPROVEMENT BEGINS
STA. 28+00.00 CL MANNHEIM ROAD
N = 1927686.08
E = 1106590.39

TBM 1

CP 200

CONTROL POINT #200

SET I.R. W/YELLOW CAP
STA. 33 + 43.99, 81.50' LT
N 1928141.55
E 1106898.79
ELEV. 643.83



SB MANNHEIM ROAD
NB MANNHEIM ROAD
MANNHEIM ROAD

STA 10+00.00 MONTROSE=
STA 44+62.42 MANNHEIM

PC Sta 43+71.38

TBM 2

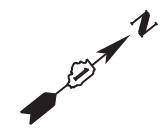
CP 201

POT Sta 10+00.00

PROJECT IMPROVEMENT ENDS
STA. 7+10.00 CL MONTROSE
N = 1929100.57
E = 1107496.40

MANNHEIM ROAD CURVE DATA:

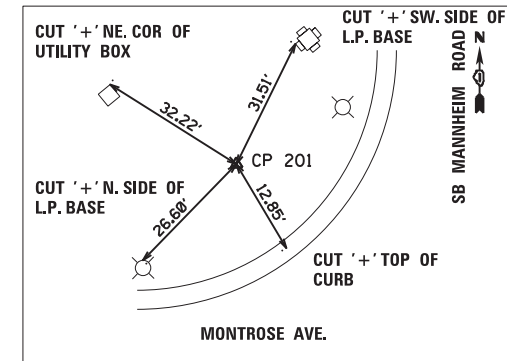
PROP. CURVE PRMAN-2
PI STA. = 60+87.10
 $\Delta = 55^\circ 18' 45''$ (LT)
D = 1° 45' 00"
R = 3,274.04'
T = 1,715.72'
L = 3,160.72'
E = 422.32'
e = 3.20%
T.R. = 48'
S.E. RUN = 154'
P.C. STA = 43+71.38
P.T. STA = 75+32.09



MATCHLINE STA 54+00.00

CONTROL POINT #201

SET I.R. W/YELLOW CAP
STA. 45 + 17.80, 77.39' LT
N 1929002.10
E 1107691.94
ELEV. 649.79



CUT '+ NE. COR OF UTILITY BOX

CUT '+ SW. SIDE OF L.P. BASE

CUT '+ N. SIDE OF L.P. BASE

CUT '+ TOP OF CURB

MONTROSE AVE.

SB MANNHEIM ROAD



MATCHLINE STA 54+00.00

CURVE PRMAN-2

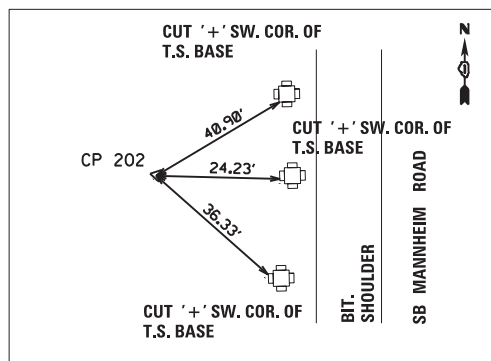
SB MANNHEIM ROAD
NB MANNHEIM ROAD

TBM 3

CP 202

POT Sta 10+00.00

STA 10+00.00 LAWRENCE=
STA 61+16.93 MANNHEIM



CUT '+ SW. COR OF T.S. BASE

CUT '+ SW. COR OF T.S. BASE

CUT '+ SW. COR OF T.S. BASE

CONTROL POINT #202

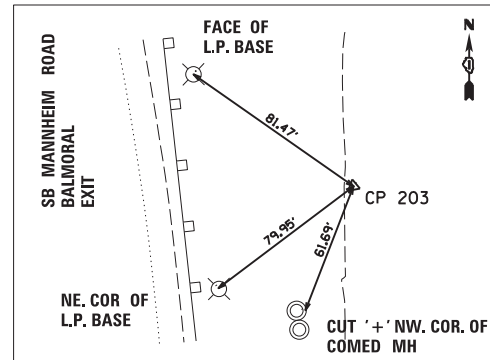
SET I.R. W/YELLOW CAP
STA. 61 + 19.32, 87.05' LT
N 1930395.01
E 1108362.16
ELEV. 641.16

LAWRENCE

POT Sta 13+83.99

PROJECT IMPROVEMENT ENDS
STA. 15+27.93 CL LAWRENCE
N = 1930395.26
E = 1108974.30

POT Sta 15+42.86



FACE OF L.P. BASE

NE. COR OF L.P. BASE

CUT '+ NW. COR. OF COMED MH

CONTROL POINT #203

SET I.R. W/YELLOW CAP
STA. 77 + 89.38, 143.15' RT
N 1931561.14
E 1108625.46
ELEV. 642.66

MATCHLINE STA 82+00.00

PT Sta 15+32.09

PI Sta 15+85.19

PT Sta 16+80.08

PC Sta 18+32.20

PI Sta 19+71.50

PT Sta 21+03.91

PT Sta 22+23.57

CURVE PRRAMPA-1

RAMP A

CP 203

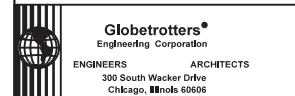
RAMP A CURVE DATA:

PROP. CURVE PRRAMPA-1
PI STA. = 12+45.32
 $\Delta = 5^\circ 37' 04''$ (LT)
D = 1° 08' 45"
R = 5,000.00'
T = 245.32'
L = 490.25'
E = 6.01'
e = -3.20%
T.R. = 0'
S.E. RUN = 0'
P.C. STA = 10+00.00
P.T. STA = 14+90.25

PROP. CURVE PRRAMPA-2
PI STA. = 15+85.19
 $\Delta = 3^\circ 15' 39''$ (LT)
D = 1° 43' 04"
R = 3,335.55'
T = 94.94'
L = 189.83'
E = 1.35'
e = -3.20%
T.R. = 0'
S.E. RUN = 0'
P.C. STA = 14+90.25
P.T. STA = 16+80.08

PROP. CURVE PRRAMPA-3
PI STA. = 19+71.50
 $\Delta = 31^\circ 08' 08''$ (RT)
D = 11° 27' 33"
R = 500.00'
T = 139.30'
L = 271.71'
E = 19.04'
e = 6.00%
T.R. = 0'
S.E. RUN = 104'
P.C. STA = 18+32.20
P.T. STA = 21+03.91

A-2



USER NAME = ROBERT.ESQUIVEL
DESIGNED MT
DRAWN MT
CHECKED VT
DATE 10/19/2012

REVISI -
REVISI -
REVISI -
REVISI -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

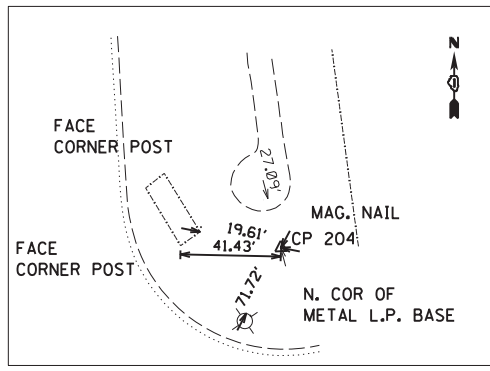
**ALIGNMENT, TIES & BENCHMARKS
MANNHEIM ROAD**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. 26+00.00 TO STA. 82+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	54
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

CONTROL POINT #204

SET ** I.R. WYELLOW CAP
 STA. 85 + 07.84, 152.13' RT
 N 1932764.00
 E 1108373.42
 ELEV. 644.34

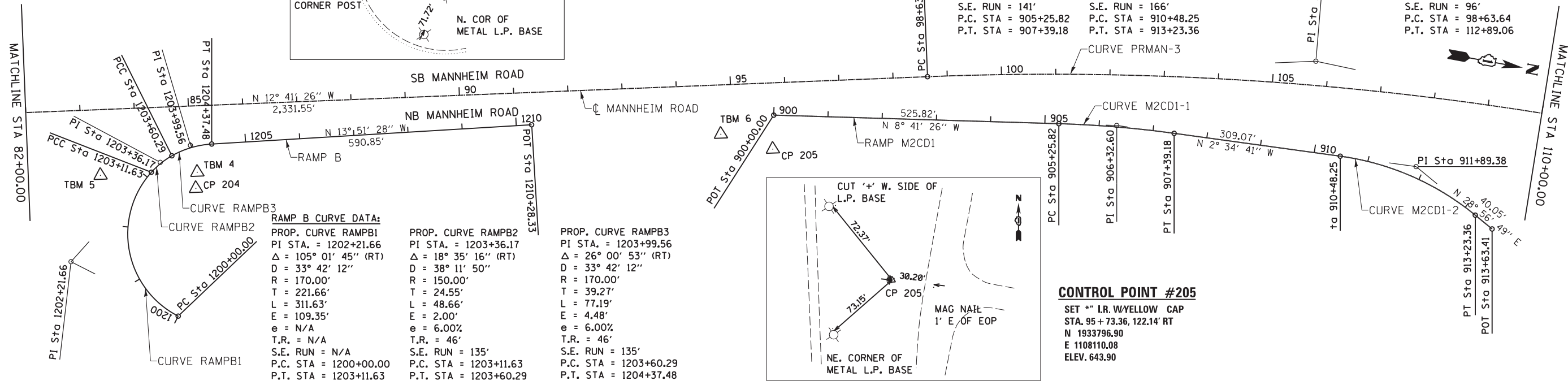


RAMP M2CD1 CURVE DATA:

PROP. CURVE M2CD1-1 PI STA. = 906+32.60 Δ = 6° 06' 45" (RT) D = 2° 51' 53" R = 2,000.00' T = 106.78' L = 213.36' E = 2.85' e = 4.40% T.R. = 65' S.E. RUN = 141' P.C. STA = 905+25.82 P.T. STA = 907+39.18	PROP. CURVE M2CD1-2 PI STA. = 911+89.38 Δ = 31° 31' 30" (RT) D = 11° 27' 33" R = 500.00' T = 141.13' L = 275.11' E = 19.54' e = 6.00% T.R. = 56' S.E. RUN = 166' P.C. STA = 910+48.25 P.T. STA = 913+23.36
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MANNHEIM ROAD CURVE DATA:

PROP. CURVE PRMAN-3
 PI STA. = 105+80.05
 Δ = 14° 15' 15" (RT)
 D = 1° 00' 00"
 R = 5,729.58'
 T = 716.41'
 L = 1,425.42'
 E = 44.61'
 e = 2.00%
 T.R. = 96'
 S.E. RUN = 96'
 P.C. STA = 98+63.64
 P.T. STA = 112+89.06



RAMP B CURVE DATA:

PROP. CURVE RAMPB1 PI STA. = 1202+21.66 Δ = 105° 01' 45" (RT) D = 33° 42' 12" R = 170.00' T = 221.66' L = 311.63' E = 109.35' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 1200+00.00 P.T. STA = 1203+11.63	PROP. CURVE RAMPB2 PI STA. = 1203+36.17 Δ = 18° 35' 16" (RT) D = 38° 11' 50" R = 150.00' T = 24.55' L = 48.66' E = 2.00' e = 6.00% T.R. = 46' S.E. RUN = 135' P.C. STA = 1203+11.63 P.T. STA = 1203+60.29	PROP. CURVE RAMPB3 PI STA. = 1203+99.56 Δ = 26° 00' 53" (RT) D = 33° 42' 12" R = 170.00' T = 39.27' L = 77.19' E = 4.48' e = 6.00% T.R. = 46' S.E. RUN = 135' P.C. STA = 1203+60.29 P.T. STA = 1204+37.48
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CONTROL POINT #205

SET ** I.R. WYELLOW CAP
 STA. 95 + 73.36, 122.14' RT
 N 1933796.90
 E 1108110.08
 ELEV. 643.90

RAMP SBEB CURVE DATA:

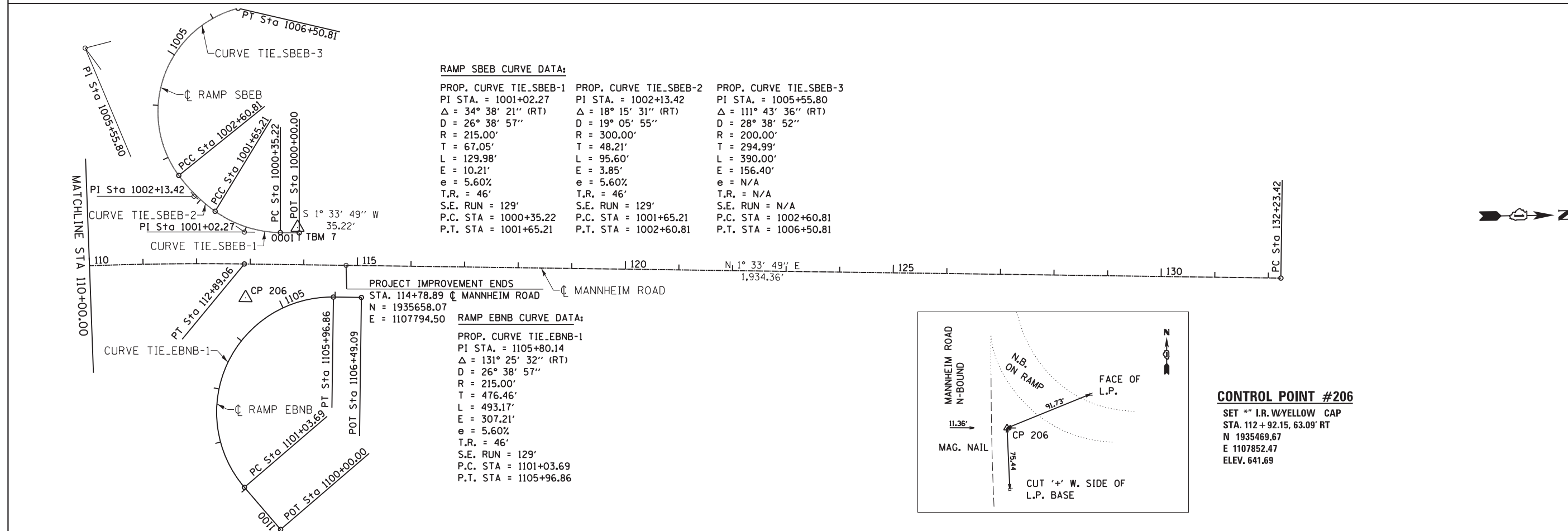
PROP. CURVE TIE_SBEB-1 PI STA. = 1001+02.27 Δ = 34° 38' 21" (RT) D = 26° 38' 57" R = 215.00' T = 67.05' L = 129.98' E = 10.21' e = 5.60% T.R. = 46' S.E. RUN = 129' P.C. STA = 1000+35.22 P.T. STA = 1001+65.21	PROP. CURVE TIE_SBEB-2 PI STA. = 1002+13.42 Δ = 18° 15' 31" (RT) D = 19° 05' 55" R = 300.00' T = 48.21' L = 95.60' E = 3.85' e = 5.60% T.R. = 46' S.E. RUN = 129' P.C. STA = 1001+65.21 P.T. STA = 1002+60.81	PROP. CURVE TIE_SBEB-3 PI STA. = 1005+55.80 Δ = 111° 43' 36" (RT) D = 28° 38' 52" R = 200.00' T = 294.99' L = 390.00' E = 156.40' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 1002+60.81 P.T. STA = 1006+50.81
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RAMP EBNB CURVE DATA:

PROP. CURVE TIE_EBNB-1
 PI STA. = 1105+80.14
 Δ = 131° 25' 32" (RT)
 D = 26° 38' 57"
 R = 215.00'
 T = 476.46'
 L = 493.17'
 E = 307.21'
 e = 5.60%
 T.R. = 46'
 S.E. RUN = 129'
 P.C. STA = 1101+03.69
 P.T. STA = 1105+96.86

CONTROL POINT #206

SET ** I.R. WYELLOW CAP
 STA. 112 + 92.15, 63.09' RT
 N 1935469.67
 E 1107852.47
 ELEV. 641.69



Globetrotters
 Engineering Corporation
 ENGINEERS ARCHITECTS
 300 South Wacker Drive
 Chicago, Illinois 60606

USER NAME = ROBERT.ESQUIVEL	DESIGNED MT	REVISED -
DRAWN MT	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED VT	REVISOR -
PLOT DATE = 10/18/2012	DATE 10/19/2012	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

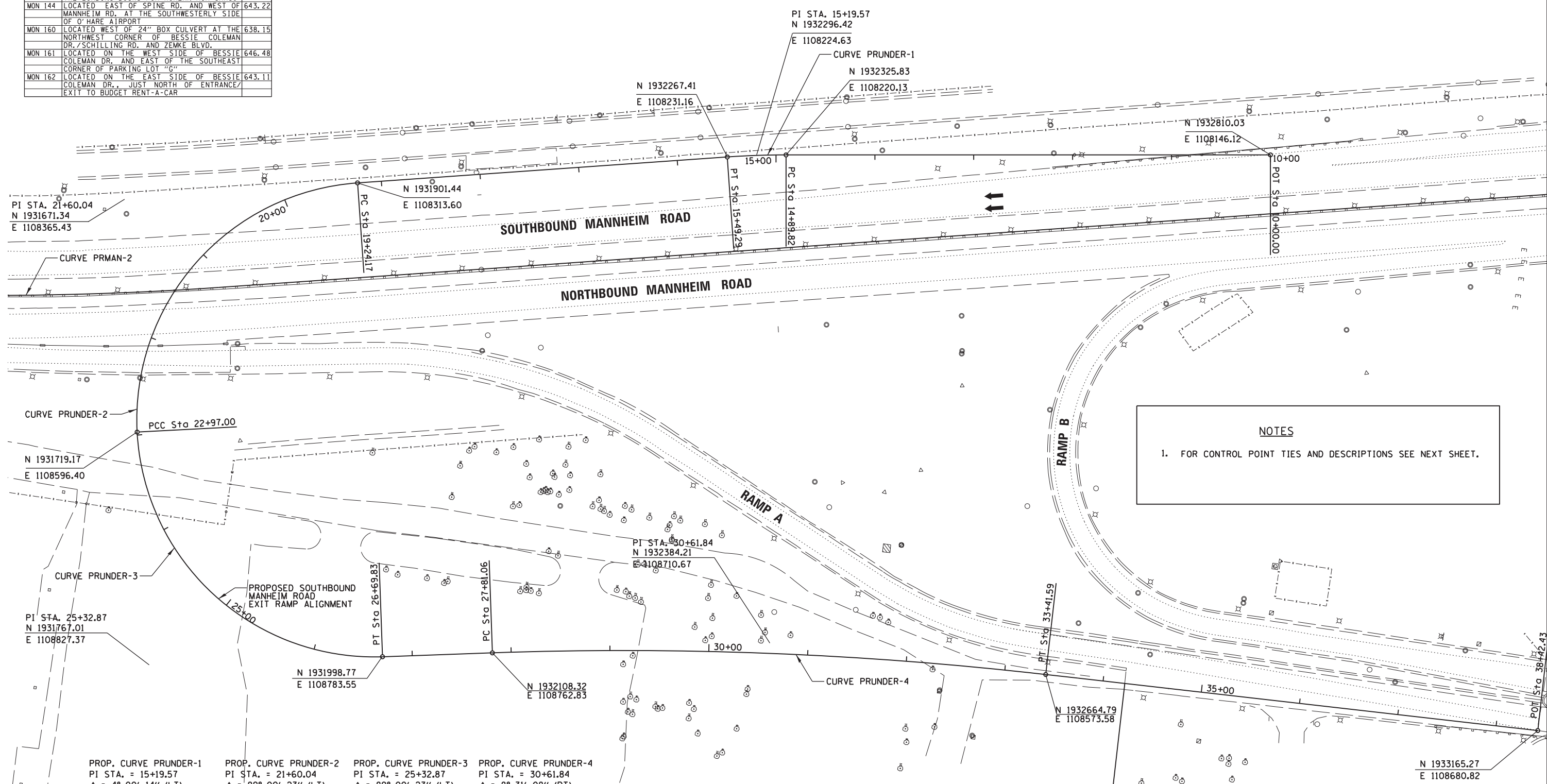
**ALIGNMENT, TIES & BENCHMARKS
 MANNHEIM ROAD**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. 82+00.00 TO STA. 132+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	55
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

FILE NAME = c:\cadd\ib\pw\l\thanks\pwg\rest_lakes\dms47844\0168037-sht-ATB2.dgn

NO.	DESCRIPTION	ELEV.
MON 140	LOCATED ON THE SOUTHEASTERLY SIDE EXPRESS CENTER RD. JUST SOUTHEAST OF THE LOADING DOCKS FOR KOREAN AIR CARGO	647.49
MON 144	LOCATED EAST OF SPINE RD. AND WEST OF MANNHEIM RD. AT THE SOUTHWESTERLY SIDE OF O'HARE AIRPORT	643.22
MON 160	LOCATED WEST OF 24" BOX CULVERT AT THE NORTHWEST CORNER OF BESSIE COLEMAN DR./SCHILLING RD. AND ZEMKE BLVD.	638.15
MON 161	LOCATED ON THE WEST SIDE OF BESSIE COLEMAN DR. AND EAST OF THE SOUTHEAST CORNER OF PARKING LOT "G"	646.48
MON 162	LOCATED ON THE EAST SIDE OF BESSIE COLEMAN DR., JUST NORTH OF ENTRANCE/EXIT TO BUDGET RENT-A-CAR	643.11



NOTES

1. FOR CONTROL POINT TIES AND DESCRIPTIONS SEE NEXT SHEET.

PROP. CURVE PRUNDER-1	PROP. CURVE PRUNDER-2	PROP. CURVE PRUNDER-3	PROP. CURVE PRUNDER-4
PI STA. = 15+19.57	PI STA. = 21+60.04	PI STA. = 25+32.87	PI STA. = 30+61.84
$\Delta = 4^\circ 00' 14''$ (LT)	$\Delta = 89^\circ 00' 23''$ (LT)	$\Delta = 89^\circ 00' 23''$ (LT)	$\Delta = 8^\circ 31' 08''$ (RT)
D = 6° 43' 58"	D = 23° 52' 24"	D = 23° 52' 24"	D = 1° 31' 11"
R = 851.00'	R = 240.00'	R = 240.00'	R = 3,770.00'
T = 29.75'	R = 235.87'	T = 235.87'	T = 280.78'
L = 59.47'	L = 372.83'	L = 372.83'	L = 560.53'
E = 0.52'	E = 96.51'	E = 96.51'	E = 10.44'
e = 2.0%	e = -6.0%	e = -6.0%	e = 2.0%
T.R. = 0'	T.R. = 0'	T.R. = 0'	T.R. = 137'
S.E. RUN = 0'	S.E. RUN = 97'	S.E. RUN = 0'	S.E. RUN = 57'
P.C. STA. = 14+89.82	P.C. STA. = 19+24.17	P.C.C. STA. = 22+97.00	P.C. STA. = 27+81.06
P.T. STA. = 15+49.29	P.C.C. STA. = 22+97.00	P.T. STA. = 26+69.83	P.T. STA. = 33+41.59

CBG CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0900

USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
PLOT SCALE = 1/8" = 100'	DRAWN - PWN	REVISED -
PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
	DATE = 10/17/2012	REVISED -

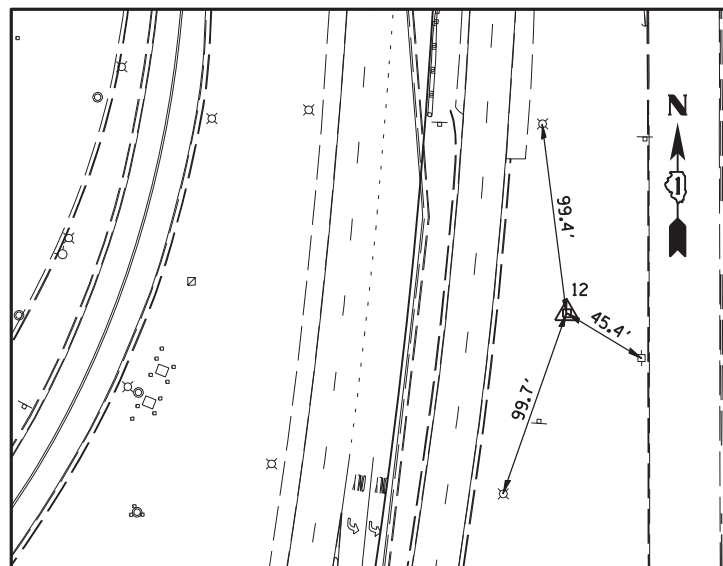
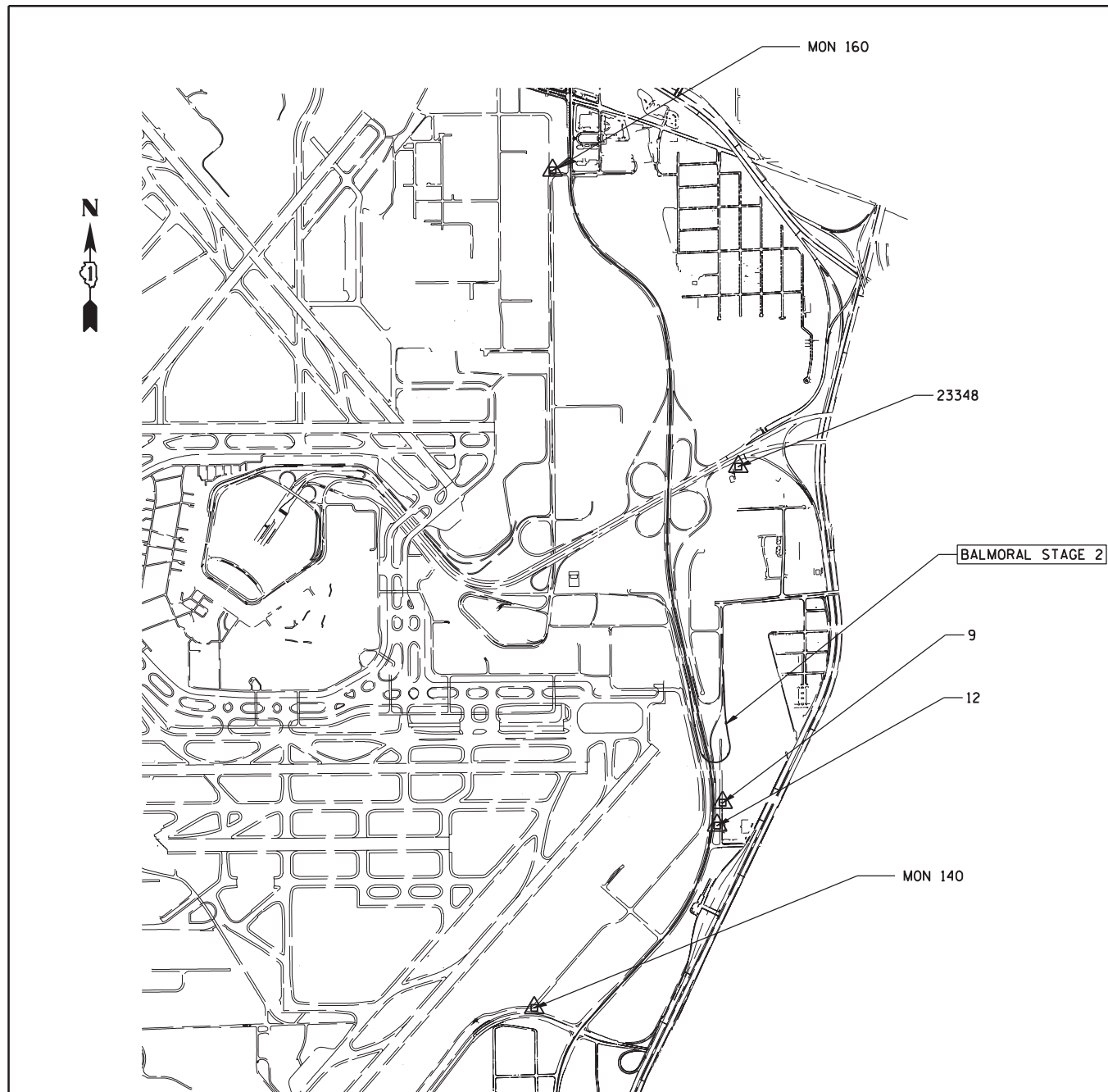
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
BALMORAL UNDERPASS**

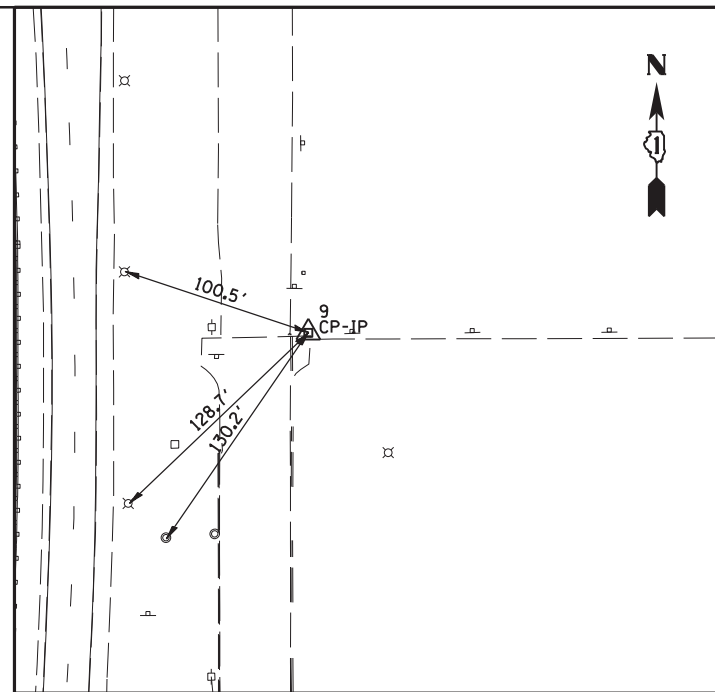
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	56
CONTRACT NO. 60G37				

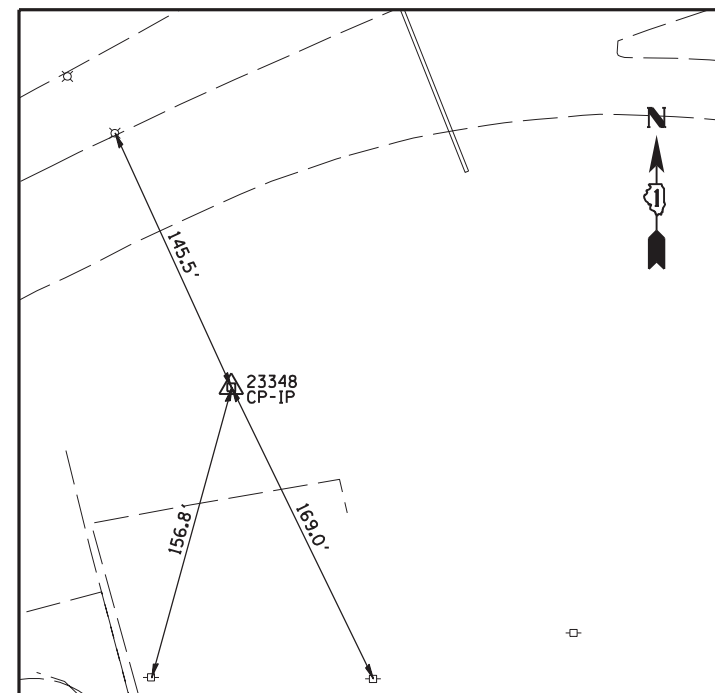
ILLINOIS FED. AID PROJECT



CONTROL POINT 12
 N = 1930711.82
 E = 1108583.75
 TRAVERSE STATION
 STA. 64+67.26
 O/S 82.45 RT

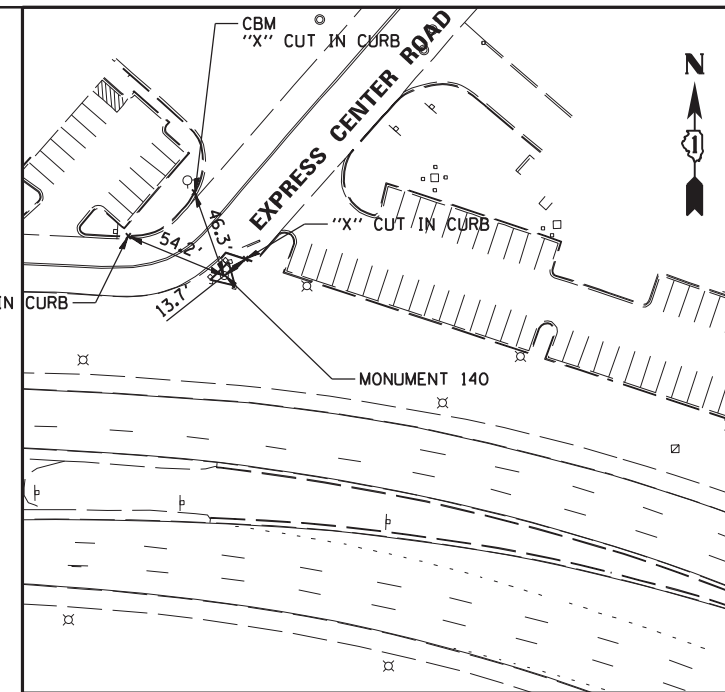


CONTROL POINT 9
 N = 1931074.2167
 E = 1108672.2227
 CP-IP
 STA. 68+2150
 O/S 152.90' RT

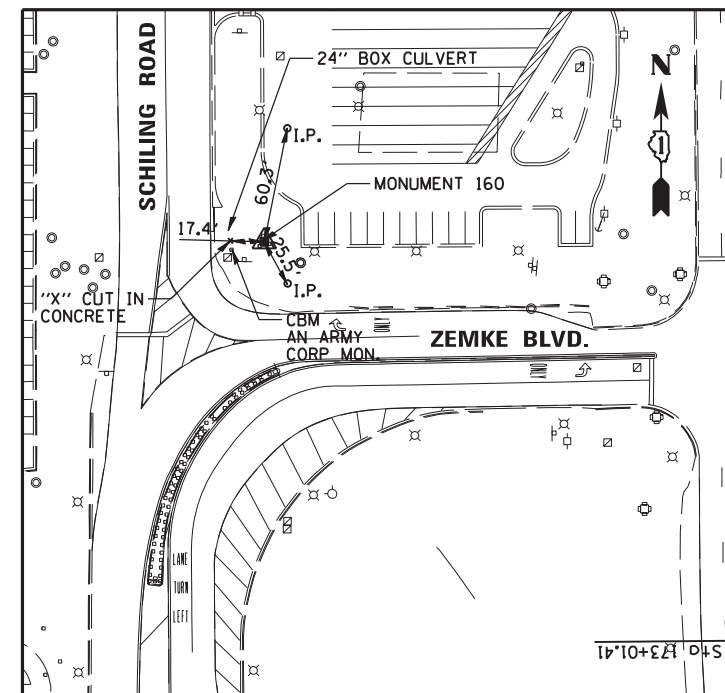


CONTROL POINT 23348
 N = 1936412.6095
 E = 1108920.4821
 CP-IP
 STA. 122+63.88
 O/S 1104.98' RT

NO.	DESCRIPTION	ELEV.
MON 140	LOCATED ON THE SOUTHEASTERLY SIDE OF EXPRESS CENTER RD. JUST SOUTHEAST OF THE LOADING DOCKS FOR KOREAN AIR CARGO	647.49
MON 144	LOCATED EAST OF SPINE RD. AND WEST OF MANNHEIM RD. AT THE SOUTHEASTERLY SIDE OF O'HARE AIRPORT	643.22
MON 160	LOCATED WEST OF 24" BOX CULVERT AT THE NORTHWEST CORNER OF BESSIE COLEMAN DR./SCHILLING RD. AND ZEMKE BLVD.	638.15
MON 161	LOCATED ON THE WEST SIDE OF BESSIE COLEMAN DR. AND EAST OF THE SOUTHEAST CORNER OF PARKING LOT "G"	646.48
MON 162	LOCATED ON THE EAST SIDE OF BESSIE COLEMAN DR., JUST NORTH OF ENTRANCE/EXIT TO BUDGET RENT-A-CAR	643.11



MON 140
 N = 1927813.9760
 E = 1105677.3040
 O'HARE MONUMENT
 STA. 24+03.79
 O/S 793.72' LT



MON 160
 N = 1941118.4110
 E = 1105989.9230
 O'HARE MONUMENT
 STA. 175+11.55
 O/S 265.85' LT

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (817) 923-0500</p>	USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
	PLOT SCALE = 1/8" = 1'	DRAWN - PWN	REVISED -
	PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
		DATE = 10/17/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**











**ALIGNMENT, TIES AND BENCHMARKS
 BALMORAL UNDERPASS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	57
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

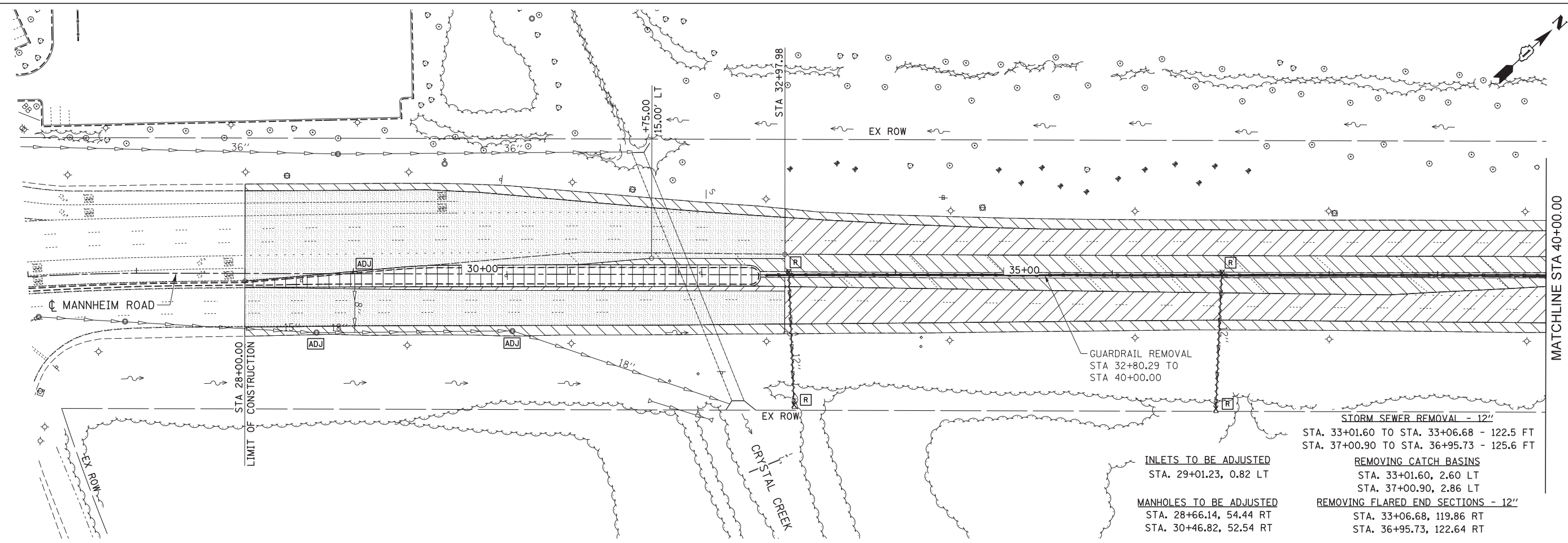
INTERIM DRAINAGE (TYPICAL)
 SUFFICIENT DRAINAGE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO FACILITATE SURFACE RUNOFF. WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER, OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT 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 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
-  HMA SURFACE REMOVAL, 4"
-  DRAINAGE STR. ADJUSTMENT
-  DRAINAGE STR. REMOVAL
-  ITEM REMOVAL
-  CONCRETE MEDIAN REMOVAL
-  PAVED DITCH REMOVAL
-  STORM SEWER REMOVAL
-  LINEAR ITEM REMOVAL

NOTES

1. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, LANDSCAPING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
2. 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.
3. REMOVAL AND DISPOSAL OF EXISTING BURIED MOUNTABLE CURB SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.



INLETS TO BE ADJUSTED
 STA. 29+01.23, 0.82 LT

MANHOLES TO BE ADJUSTED
 STA. 28+66.14, 54.44 RT
 STA. 30+46.82, 52.54 RT

STORM SEWER REMOVAL - 12"
 STA. 33+01.60 TO STA. 33+06.68 - 122.5 FT
 STA. 37+00.90 TO STA. 36+95.73 - 125.6 FT

REMOVING CATCH BASINS
 STA. 33+01.60, 2.60 LT
 STA. 37+00.90, 2.86 LT

REMOVING FLARED END SECTIONS - 12"
 STA. 33+06.68, 119.86 RT
 STA. 36+95.73, 122.64 RT



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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 MANNHEIM ROAD**

SCALE: 1" = 50' SHEET NO. 1 OF 6 SHEETS STA. BOP TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	58
			CONTRACT NO. 60G37	

ILLINOIS FED. AID PROJECT

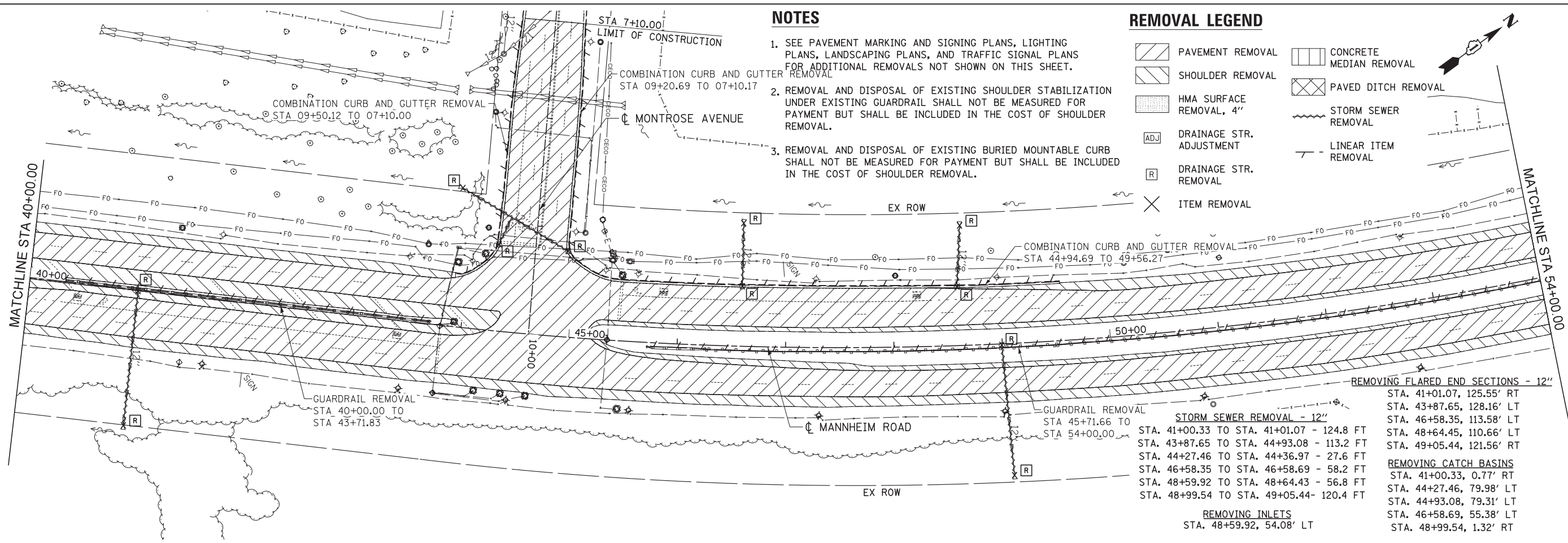
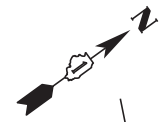
REM-01

NOTES

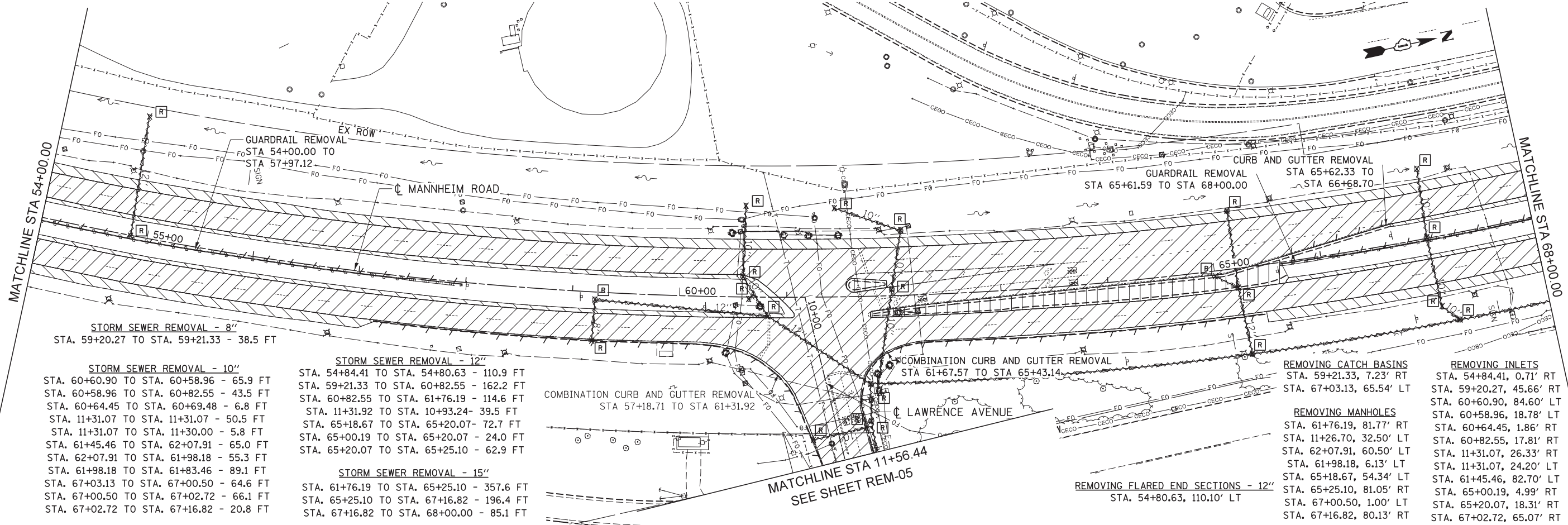
- SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, LANDSCAPING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
- REMOVAL AND DISPOSAL OF EXISTING SHOULDER STABILIZATION UNDER EXISTING GUARDRAIL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.
- REMOVAL AND DISPOSAL OF EXISTING BURIED MOUNTABLE CURB SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.

REMOVAL LEGEND

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



- REMOVING FLARED END SECTIONS - 12"**
 - STA. 41+01.07, 125.55' RT
 - STA. 43+87.65, 128.16' LT
 - STA. 46+58.35, 113.58' LT
 - STA. 48+64.45, 110.66' RT
 - STA. 49+05.44, 121.56' RT
- STORM SEWER REMOVAL - 12"**
 - STA. 41+00.33 TO STA. 41+01.07 - 124.8 FT
 - STA. 43+87.65 TO STA. 44+93.08 - 113.2 FT
 - STA. 44+27.46 TO STA. 44+36.97 - 27.6 FT
 - STA. 46+58.35 TO STA. 46+58.69 - 58.2 FT
 - STA. 48+59.92 TO STA. 48+64.43 - 56.8 FT
 - STA. 48+99.54 TO STA. 49+05.44 - 120.4 FT
- REMOVING CATCH BASINS**
 - STA. 41+00.33, 0.77' RT
 - STA. 44+27.46, 79.98' LT
 - STA. 44+93.08, 79.31' LT
 - STA. 46+58.69, 55.38' LT
 - STA. 48+99.54, 1.32' RT
- REMOVING INLETS**
 - STA. 48+59.92, 54.08' LT



- STORM SEWER REMOVAL - 8"**
 - STA. 59+20.27 TO STA. 59+21.33 - 38.5 FT
- STORM SEWER REMOVAL - 10"**
 - STA. 60+60.90 TO STA. 60+58.96 - 65.9 FT
 - STA. 60+58.96 TO STA. 60+82.55 - 43.5 FT
 - STA. 60+64.45 TO STA. 60+69.48 - 6.8 FT
 - STA. 11+31.07 TO STA. 11+31.07 - 50.5 FT
 - STA. 11+31.07 TO STA. 11+30.00 - 5.8 FT
 - STA. 61+45.46 TO STA. 62+07.91 - 65.0 FT
 - STA. 62+07.91 TO STA. 61+98.18 - 55.3 FT
 - STA. 61+98.18 TO STA. 61+83.46 - 89.1 FT
 - STA. 67+03.13 TO STA. 67+00.50 - 64.6 FT
 - STA. 67+00.50 TO STA. 67+02.72 - 66.1 FT
 - STA. 67+02.72 TO STA. 67+16.82 - 20.8 FT
- STORM SEWER REMOVAL - 12"**
 - STA. 54+84.41 TO STA. 54+80.63 - 110.9 FT
 - STA. 59+21.33 TO STA. 60+82.55 - 162.2 FT
 - STA. 60+82.55 TO STA. 61+76.19 - 114.6 FT
 - STA. 11+31.92 TO STA. 10+93.24 - 39.5 FT
 - STA. 65+18.67 TO STA. 65+20.07 - 72.7 FT
 - STA. 65+00.19 TO STA. 65+20.07 - 24.0 FT
 - STA. 65+20.07 TO STA. 65+25.10 - 62.9 FT
- STORM SEWER REMOVAL - 15"**
 - STA. 61+76.19 TO STA. 65+25.10 - 357.6 FT
 - STA. 65+25.10 TO STA. 67+16.82 - 196.4 FT
 - STA. 67+16.82 TO STA. 68+00.00 - 85.1 FT
- COMBINATION CURB AND GUTTER REMOVAL**
 - STA 57+18.71 TO STA 61+31.92
 - STA 61+67.57 TO STA 65+43.14
- REMOVING CATCH BASINS**
 - STA. 59+21.33, 7.23' RT
 - STA. 67+03.13, 65.54' LT
- REMOVING MANHOLES**
 - STA. 61+76.19, 81.77' RT
 - STA. 11+26.70, 32.50' LT
 - STA. 62+07.91, 60.50' LT
 - STA. 61+98.18, 6.13' LT
 - STA. 65+18.67, 54.34' LT
 - STA. 65+25.10, 81.05' RT
 - STA. 67+00.50, 1.00' LT
 - STA. 67+16.82, 80.13' RT
- REMOVING FLARED END SECTIONS - 12"**
 - STA. 54+80.63, 110.10' LT
- REMOVING INLETS**
 - STA. 54+84.41, 0.71' RT
 - STA. 59+20.27, 45.66' RT
 - STA. 60+60.90, 84.60' LT
 - STA. 60+58.96, 18.78' LT
 - STA. 60+64.45, 1.86' RT
 - STA. 60+82.55, 17.81' RT
 - STA. 11+31.07, 26.33' RT
 - STA. 11+31.07, 24.20' LT
 - STA. 61+45.46, 82.70' LT
 - STA. 65+00.19, 4.99' RT
 - STA. 65+20.07, 18.31' RT
 - STA. 67+02.72, 65.07' RT

MATCHLINE STA 11+56.44
SEE SHEET REM-05

REM-02



USER NAME = mkosir
DESIGNED LLS/MMK
DRAWN MMK
PLOT SCALE = 50:1
PLOT DATE = 19-OCT-2012

REVISIONS
REVISOR -
DATE 10/19/12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 2 OF 6 SHEETS STA. 40+00.00 TO STA. 68+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	59
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

STORM SEWER REMOVAL - 8"
 STA. 72+02.85 TO STA. 71+99.44 - 65.2 FT

STORM SEWER REMOVAL - 10"
 STA. 72+96.42 TO STA. 75+46.99 - 254.5 FT
 STA. 75+46.99 TO STA. 75+45.99 - 24.9 FT
 STA. 77+98.46 TO STA. 77+86.82 - 82.8 FT

STORM SEWER REMOVAL - 15"
 STA. 70+00.00 TO STA. 70+10.45 - 68.2 FT
 STA. 70+10.45 TO STA. 70+12.15 - 12.8 FT

STORM SEWER REMOVAL - 18"
 STA. 75+43.12 TO STA. 75+45.99 - 69.6 FT
 STA. 81+20.17 TO STA. 81+45.19 - 158.6 FT

STORM SEWER REMOVAL - 24"
 STA. 68+00.00 TO STA. 70+12.15 - 217.2 FT
 STA. 70+12.15 TO STA. 72+11.50 - 204.3 FT
 STA. 72+11.50 TO STA. 75+45.77 - 342.4 FT
 STA. 75+45.77 TO STA. 77+94.38 - 248.6 FT
 STA. 77+94.38 TO STA. 78+53.91 - 59.5 FT
 STA. 78+53.91 TO STA. 81+43.08 - 289.2 FT
 STA. 81+43.08 TO STA. 82+00.00 - 56.9 FT

REMOVAL LEGEND

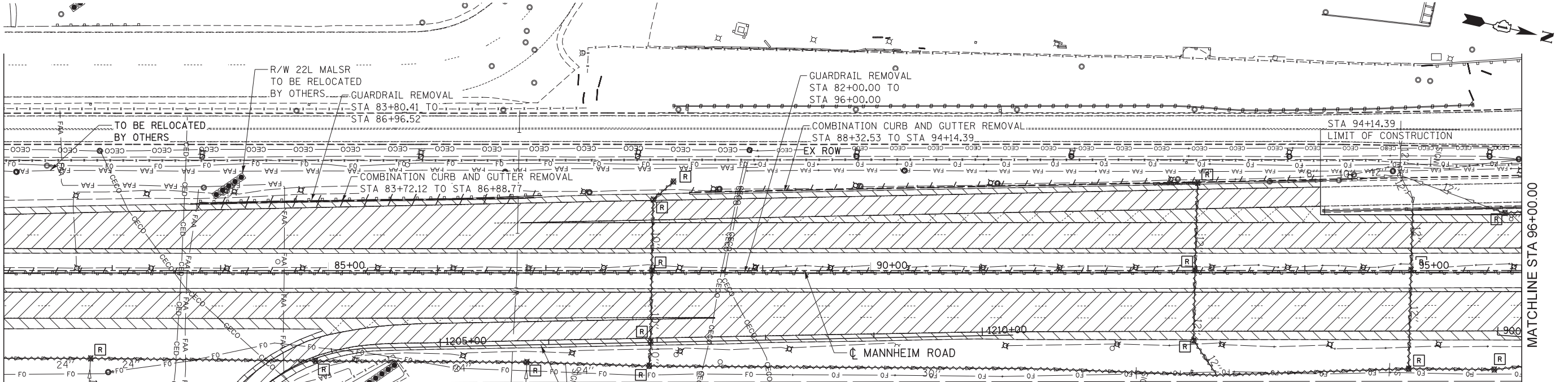
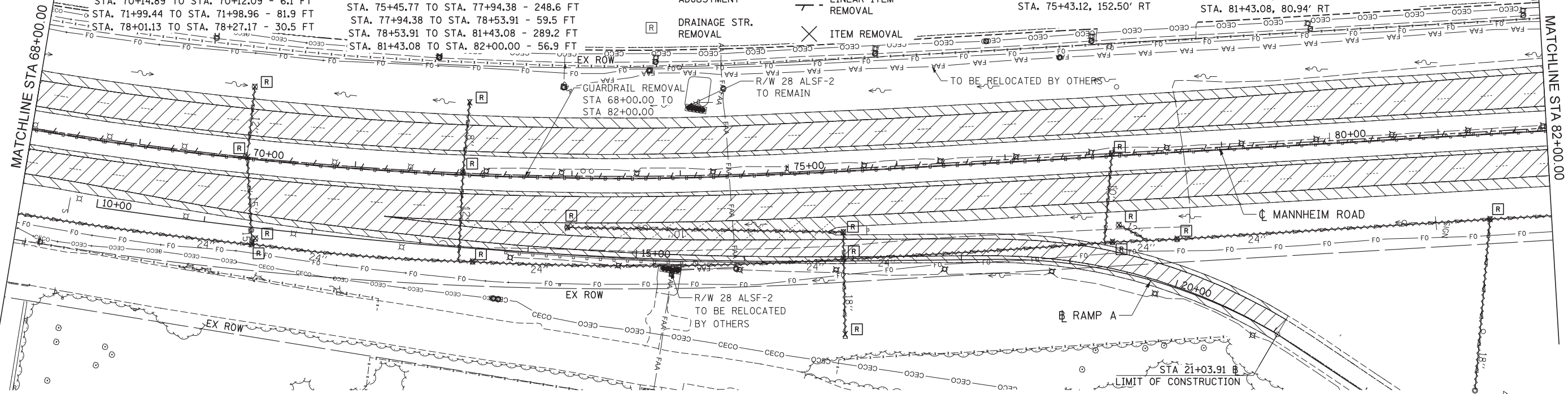
- PAVEMENT REMOVAL
- SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 4"
- DRAINAGE STR. ADJUSTMENT
- DRAINAGE STR. REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED DITCH REMOVAL
- STORM SEWER REMOVAL
- LINEAR ITEM REMOVAL
- ITEM REMOVAL

REMOVING INLETS
 STA. 72+02.85, 65.47' LT

REMOVING CATCH BASINS
 STA. 70+00.12, 65.25' LT
 STA. 70+14.84, 73.81' RT
 STA. 77+98.46, 0.00' LT
 STA. 78+01.13, 66.23' RT

REMOVING MANHOLES
 STA. 70+00.00, 0.20' LT
 STA. 70+12.15, 79.42' RT
 STA. 71+99.44, 0.37' LT
 STA. 72+11.50, 81.50' RT
 STA. 72+96.42, 47.57' RT
 STA. 75+46.99, 58.02' RT
 STA. 75+45.77, 82.91' RT
 STA. 77+94.38, 81.76' RT
 STA. 78+53.91, 82.46' RT
 STA. 81+43.08, 80.94' RT

REMOVING FLARED END SECTIONS - 18"
 STA. 75+43.12, 152.50' RT



- NOTES**
- SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, LANDSCAPING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
 - 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 AND DISPOSAL OF EXISTING BURIED MOUNTABLE CURB SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.

STORM SEWER REMOVAL - 12"
 STA. 82+00.00 TO STA. 82+80.00 - 80.0 FT
 STA. 82+80.00 TO STA. 84+87.42 - 207.4 FT
 STA. 84+87.42 TO STA. 86+82.36 - 195.0 FT
 STA. 86+82.36 TO STA. 87+95.22 - 112.9 FT

STORM SEWER REMOVAL - 30"
 STA. 87+95.22 TO STA. 94+95.67 - 700.6 FT
 STA. 94+95.67 TO STA. 95+74.63 - 79.0 FT

STORM SEWER REMOVAL - 10"
 STA. 88+17.60 TO STA. 87+98.87 - 25.2 FT
 STA. 87+98.87 TO STA. 87+97.61 - 65.1 FT
 STA. 87+97.61 TO STA. 87+96.69 - 66.4 FT
 STA. 87+96.69 TO STA. 87+95.22 - 22.6 FT

REMOVING MANHOLES
 STA. 93+01.00, 80.70' LT
 STA. 92+98.59, 0.25' LT
 STA. 92+97.39, 64.59' RT
 STA. 95+84.53, 52.77' LT
 STA. 94+97.91, 0.30' LT
 STA. 94+95.67, 90.57' RT
 STA. 95+74.63, 91.28' RT

REMOVING MANHOLES
 STA. 82+80.00, 81.08' RT
 STA. 84+87.42, 83.42' RT
 STA. 86+82.36, 84.61' RT
 STA. 88+17.60, 82.00' LT
 STA. 87+98.87, 65.13' LT
 STA. 87+97.61, 0.00' LT
 STA. 87+96.69, 66.33' RT
 STA. 87+95.22, 88.07' RT



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

DESIGNED = LLS/MMK
 REVISIONS:
 REVISION 1: -
 REVISION 2: -
 REVISION 3: -
 REVISION 4: -

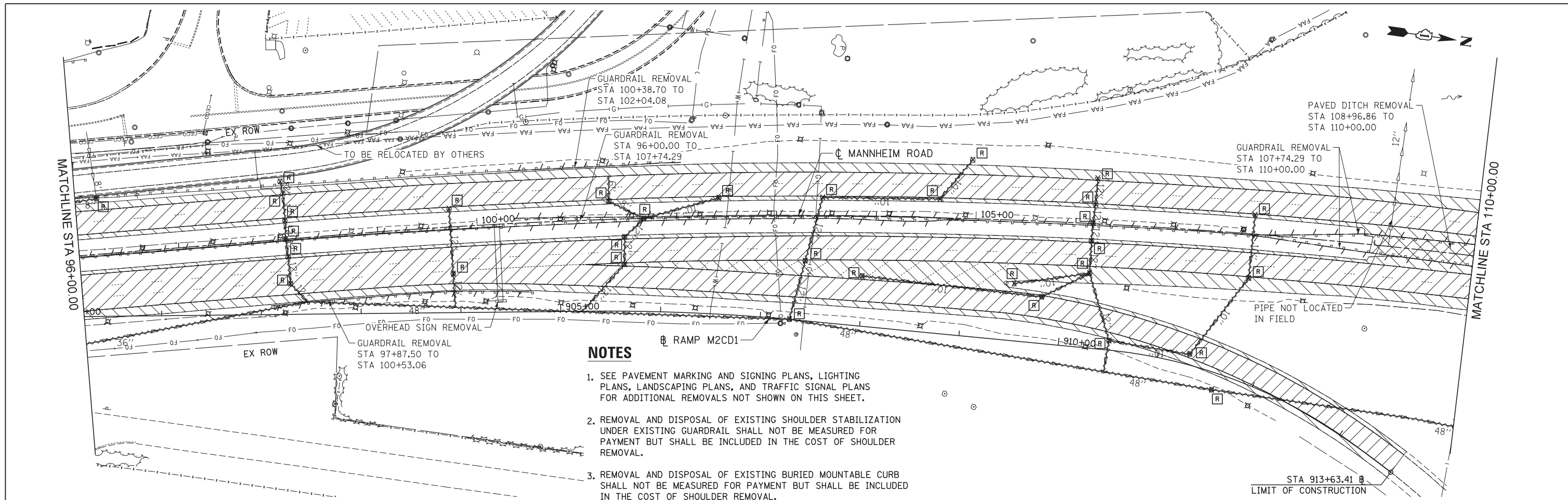
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
 MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. 68+00.00 TO STA. 96+00.00

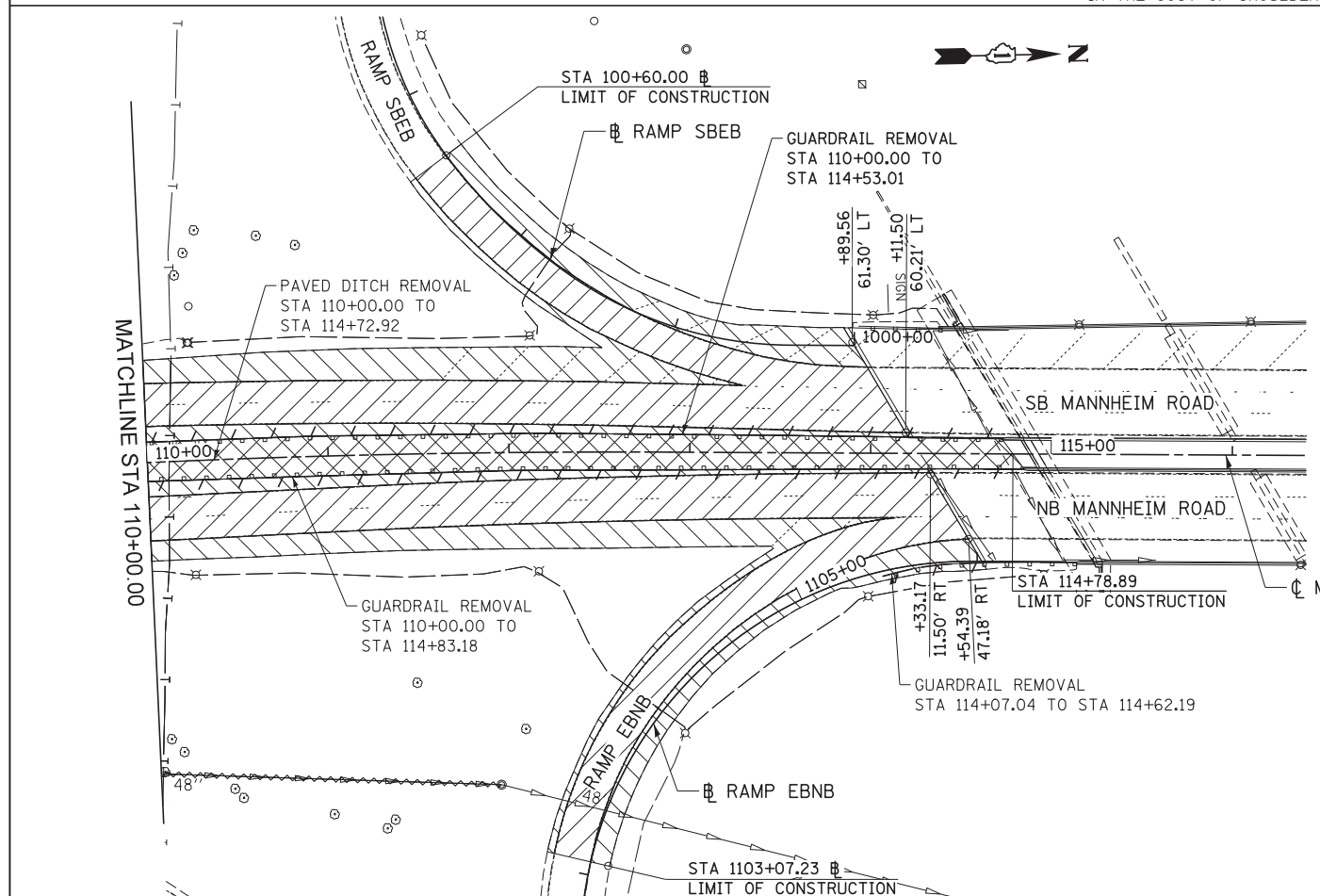
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	60
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

REM-03



NOTES

1. SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, LANDSCAPING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
2. 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.
3. REMOVAL AND DISPOSAL OF EXISTING BURIED MOUNTABLE CURB SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.



- STORM SEWER REMOVAL - 6"**
STA. 101+33.03 TO STA. 101+32.26 - 24.9 FT
- STORM SEWER REMOVAL - 8"**
STA. 96+21.70 TO STA. 95+84.53 - 37.3 FT
STA. 101+32.26 TO STA. 101+67.02 - 39.3 FT
- STORM SEWER REMOVAL - 10"**
STA. 102+42.59 TO STA. 101+67.02 - 78.0 FT
STA. 104+95.00 TO STA. 104+63.16 - 51.0 FT
STA. 104+63.16 TO STA. 103+46.16 - 117.4 FT
STA. 103+86.41 TO STA. 105+69.20 - 181.1 FT
STA. 105+69.20 TO STA. 106+16.37 - 53.3 FT
STA. 105+40.45 TO STA. 106+16.37 - 76.3 FT
STA. 107+78.54 TO STA. 107+77.06 - 63.6 FT
STA. 107+77.06 TO STA. 107+22.73 - 96.7 FT
STA. 107+22.73 TO STA. 106+39.49 - 81.8 FT
- STORM SEWER REMOVAL - 12"**
STA. 98+06.50 TO STA. 98+08.13 - 12.6 FT
STA. 98+08.13 TO STA. 98+08.19 - 26.9 FT
STA. 98+08.19 TO STA. 98+07.24 - 18.8 FT
STA. 98+07.24 TO STA. 98+08.44 - 17.9 FT
STA. 98+08.44 TO STA. 98+08.89 - 27.4 FT
STA. 98+08.89 TO STA. 98+24.21 - 24.7 FT
STA. 99+72.72 TO STA. 99+72.96 - 64.9 FT
STA. 99+72.96 TO STA. 99+73.01 - 33.8 FT
STA. 101+67.02 TO STA. 101+47.31 - 26.7 FT
STA. 101+47.31 TO STA. 101+45.81 - 27.7 FT
STA. 101+45.81 TO STA. 101+01.21 - 63.8 FT
STA. 103+46.16 TO STA. 103+28.80 - 65.8 FT
STA. 103+28.80 TO STA. 103+12.52 - 60.9 FT
STA. 106+19.85 TO STA. 106+18.75 - 26.5 FT
STA. 106+18.75 TO STA. 106+17.10 - 18.3 FT
STA. 106+17.10 TO STA. 106+16.47 - 18.4 FT
STA. 106+16.47 TO STA. 106+16.37 - 32.4 FT
STA. 106+16.37 TO STA. 106+39.49 - 70.1 FT
STA. 106+39.49 TO STA. 106+35.76 - 31.6 FT
- STORM SEWER REMOVAL - 36"**
STA. 95+74.63 TO STA. 98+24.21 - 251.0 FT
- STORM SEWER REMOVAL - 48"**
STA. 98+24.21 TO STA. 103+12.52 - 483.0 FT
STA. 103+12.52 TO STA. 107+47.85 - 428.9 FT
STA. 107+47.85 TO STA. 111+93.90 - 433.5 FT

REMOVAL LEGEND

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

REMOVING INLETS

- STA. 98+08.13, 45.67' LT
- STA. 98+08.19, 18.75' LT
- STA. 98+08.44, 17.78' RT
- STA. 99+72.72, 18.12' LT
- STA. 103+46.16, 18.86' LT
- STA. 104+63.16, 19.00' LT
- STA. 105+40.45, 63.50' RT
- STA. 106+19.85, 45.61' LT
- STA. 106+18.75, 19.10' LT
- STA. 107+78.54, 19.27' LT

REMOVING CATCH BASINS

- STA. 98+06.50, 58.14' LT
- STA. 104+95.00, 58.80' LT

REMOVING MANHOLES

- STA. 96+21.70, 55.65' LT
- STA. 98+07.24, 0.00' LT
- STA. 98+08.89, 44.98' RT
- STA. 99+72.96, 46.81' RT
- STA. 101+32.26, 18.39' LT
- STA. 101+67.02, 0.00' LT
- STA. 101+47.31, 18.11' RT
- STA. 101+45.81, 45.49' RT
- STA. 102+42.59, 19.24' LT
- STA. 103+12.52, 103.39' RT
- STA. 103+28.80, 44.60' RT
- STA. 103+86.41, 59.60' RT
- STA. 106+16.47, 17.59' RT
- STA. 106+16.37, 50.00' RT
- STA. 106+17.10, 0.80' LT
- STA. 105+69.20, 75.70' RT
- STA. 106+39.49, 116.38' RT
- STA. 107+22.73, 124.60' RT
- STA. 107+47.85, 158.81' RT
- STA. 107+77.06, 44.24' RT



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

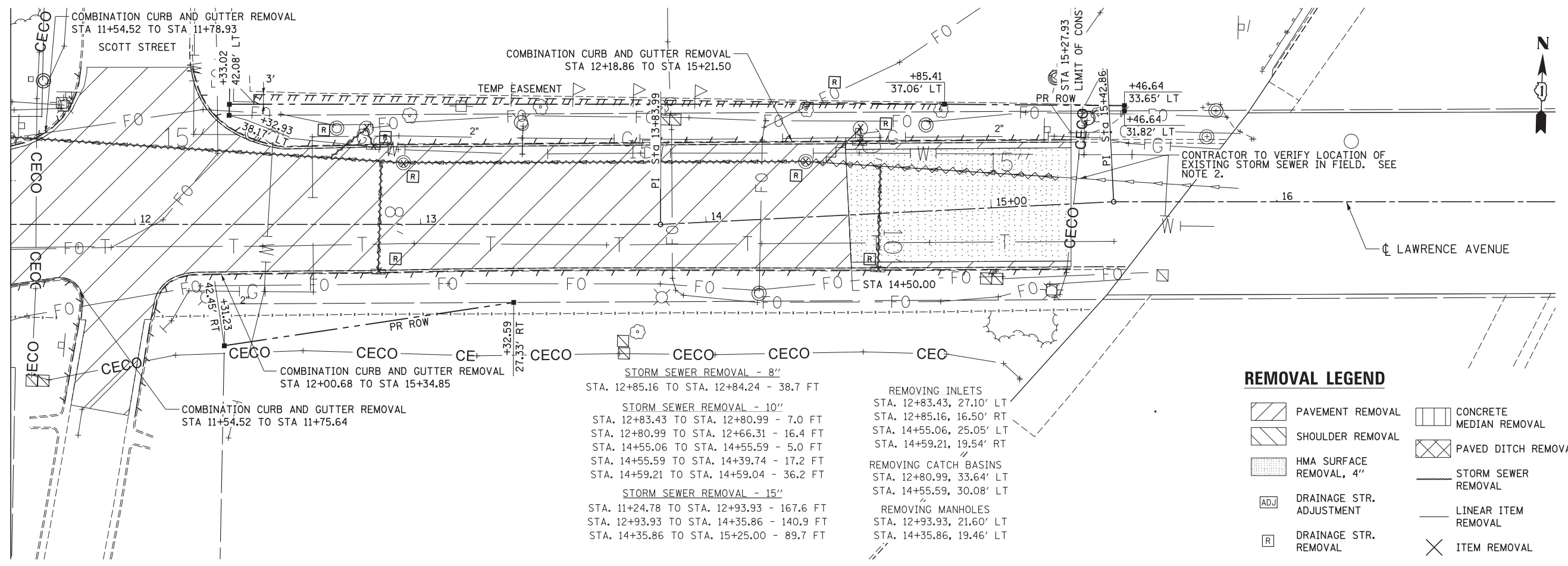
**REMOVAL PLAN
MANNHEIM ROAD**

SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. 96+00.00 TO STA. EOP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	61
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

REM-04

MATCHLINE STA 11+56.44
SEE SHEET REM-02



COMBINATION CURB AND GUTTER REMOVAL
STA 11+54.52 TO STA 11+75.64

COMBINATION CURB AND GUTTER REMOVAL
STA 12+18.86 TO STA 15+21.50

STORM SEWER REMOVAL - 8"
STA. 12+85.16 TO STA. 12+84.24 - 38.7 FT

STORM SEWER REMOVAL - 10"
STA. 12+83.43 TO STA. 12+80.99 - 7.0 FT
STA. 12+80.99 TO STA. 12+66.31 - 16.4 FT
STA. 14+55.06 TO STA. 14+55.59 - 5.0 FT
STA. 14+55.59 TO STA. 14+39.74 - 17.2 FT
STA. 14+59.21 TO STA. 14+59.04 - 36.2 FT

STORM SEWER REMOVAL - 15"
STA. 11+24.78 TO STA. 12+93.93 - 167.6 FT
STA. 12+93.93 TO STA. 14+35.86 - 140.9 FT
STA. 14+35.86 TO STA. 15+25.00 - 89.7 FT

REMOVING INLETS
STA. 12+83.43, 27.10' LT
STA. 12+85.16, 16.50' RT
STA. 14+55.06, 25.05' LT
STA. 14+59.21, 19.54' RT

REMOVING CATCH BASINS
STA. 12+80.99, 33.64' LT
STA. 14+55.59, 30.08' LT

REMOVING MANHOLES
STA. 12+93.93, 21.60' LT
STA. 14+35.86, 19.46' LT

REMOVAL LEGEND

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

- NOTES**
- SEE PAVEMENT MARKING AND SIGNING PLANS, LIGHTING PLANS, LANDSCAPING PLANS, AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVALS NOT SHOWN ON THIS SHEET.
 - 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 AND DISPOSAL OF EXISTING BURIED MOUNTABLE CURB SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF SHOULDER REMOVAL.
 - REMOVAL LIMITS FOR EXISTING 15" RCP SHOULD MATCH LOCATION OF PROPOSED STRUCTURE 197 AS SHOWN ON THE PROPOSED DRAINAGE PLANS.

REM-05



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

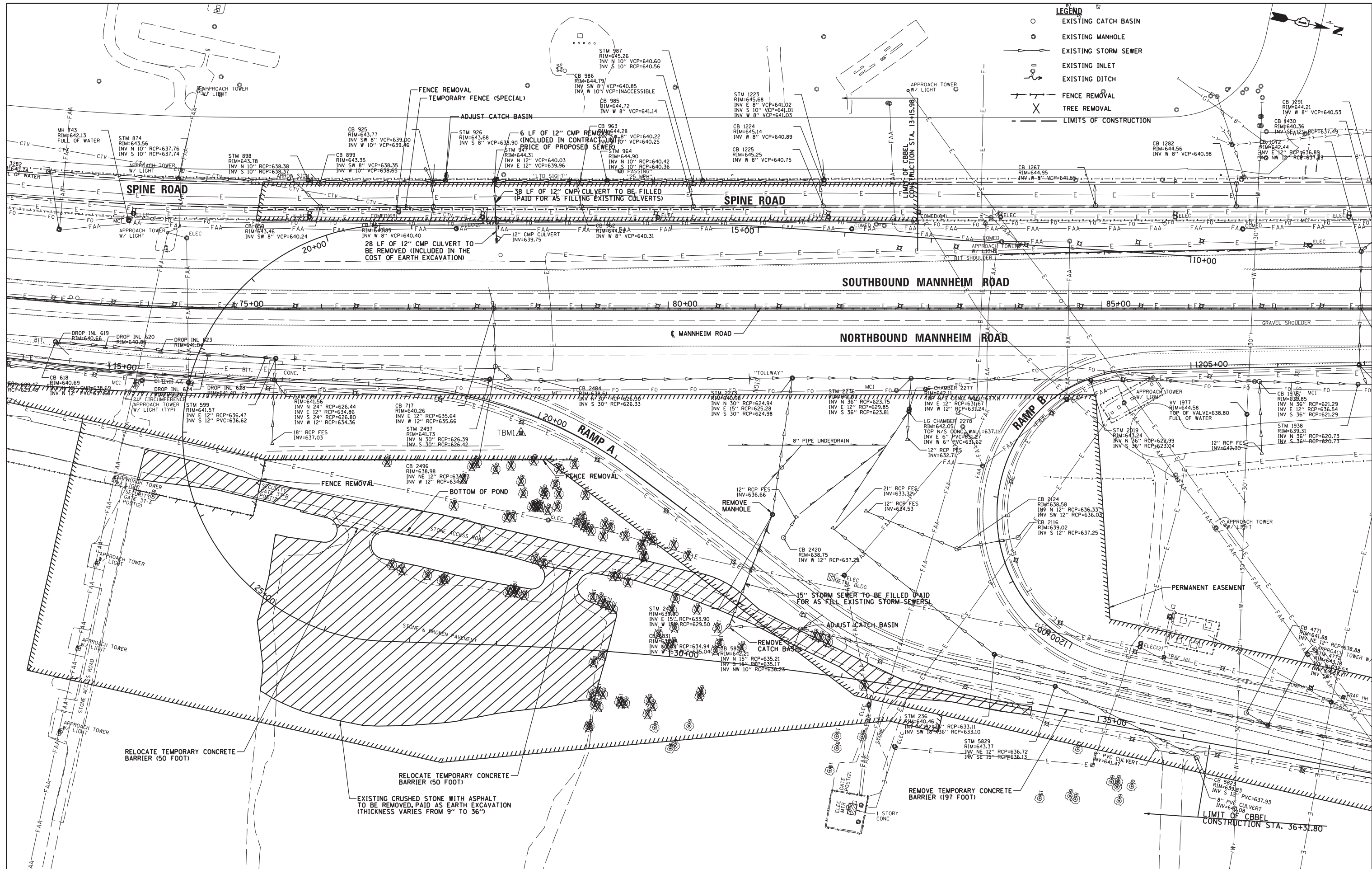
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
LAWRENCE AVENUE

SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. BOP TO STA. EOP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	62
				CONTRACT NO. 60G37
ILLINOIS FED. AID PROJECT				

FILE NAME = IP_PWP\dms47844\160G37-shr-rem5.dgn



- LEGEND**
- EXISTING CATCH BASIN
 - EXISTING MANHOLE
 - EXISTING STORM SEWER
 - EXISTING INLET
 - EXISTING DITCH
 - - - FENCE REMOVAL
 - ✕ TREE REMOVAL
 - - - LIMITS OF CONSTRUCTION

CBG CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0900

USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - PWN	REVISED -
PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
	DATE = 10/17/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

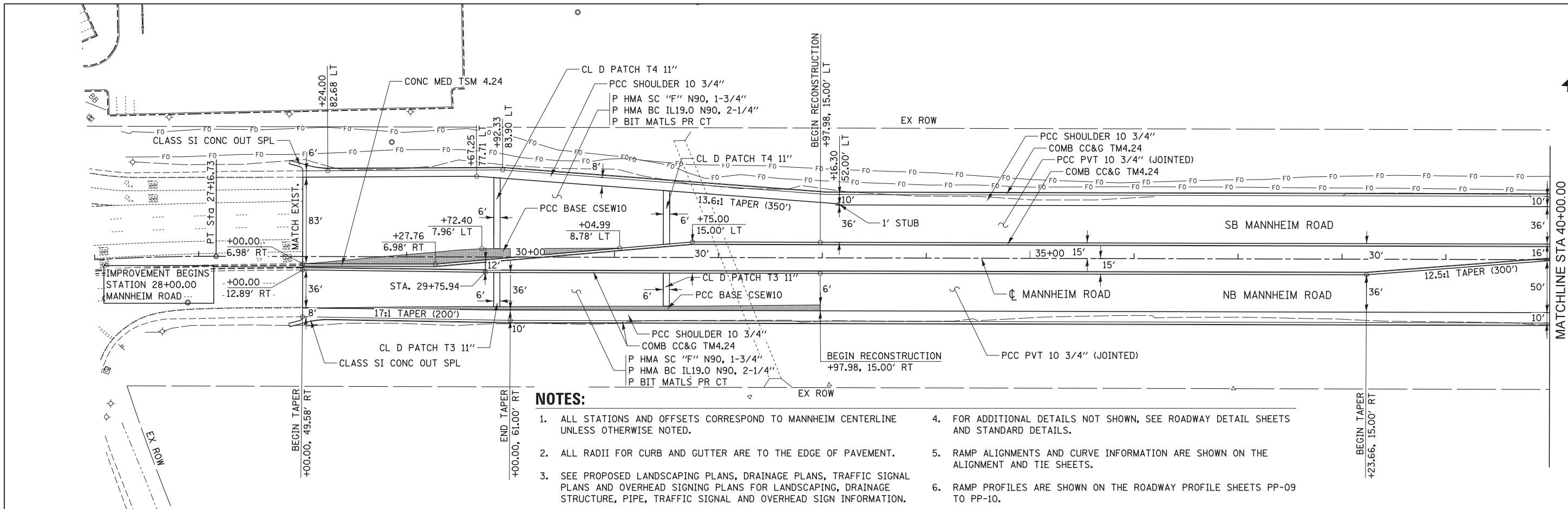
**EXISTING CONDITIONS AND REMOVAL PLAN
 BALMORAL UNDERPASS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	63
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

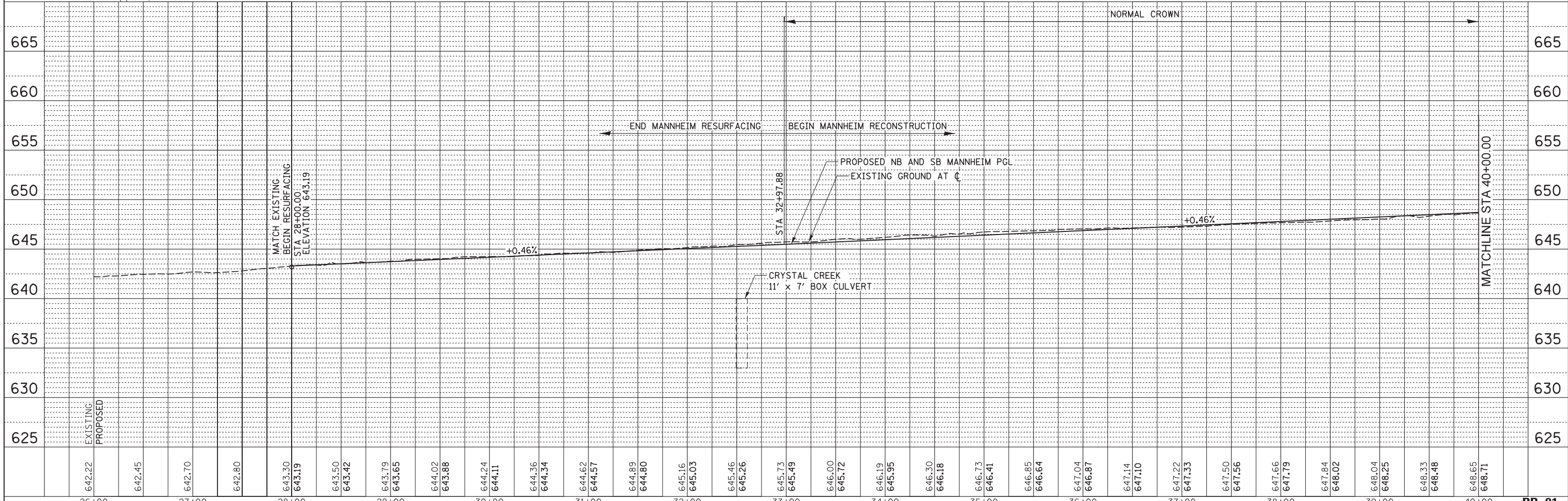
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CHECKED	
	DATE	
	FILE NAME	

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



NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED LANDSCAPING PLANS, DRAINAGE PLANS, TRAFFIC SIGNAL PLANS AND OVERHEAD SIGNING PLANS FOR LANDSCAPING, DRAINAGE STRUCTURE, PIPE, TRAFFIC SIGNAL AND OVERHEAD SIGN 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 SHEETS PP-09 TO PP-10.



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. 1 OF 12 SHEETS STA. 26+00.00 TO STA. 40+00.00

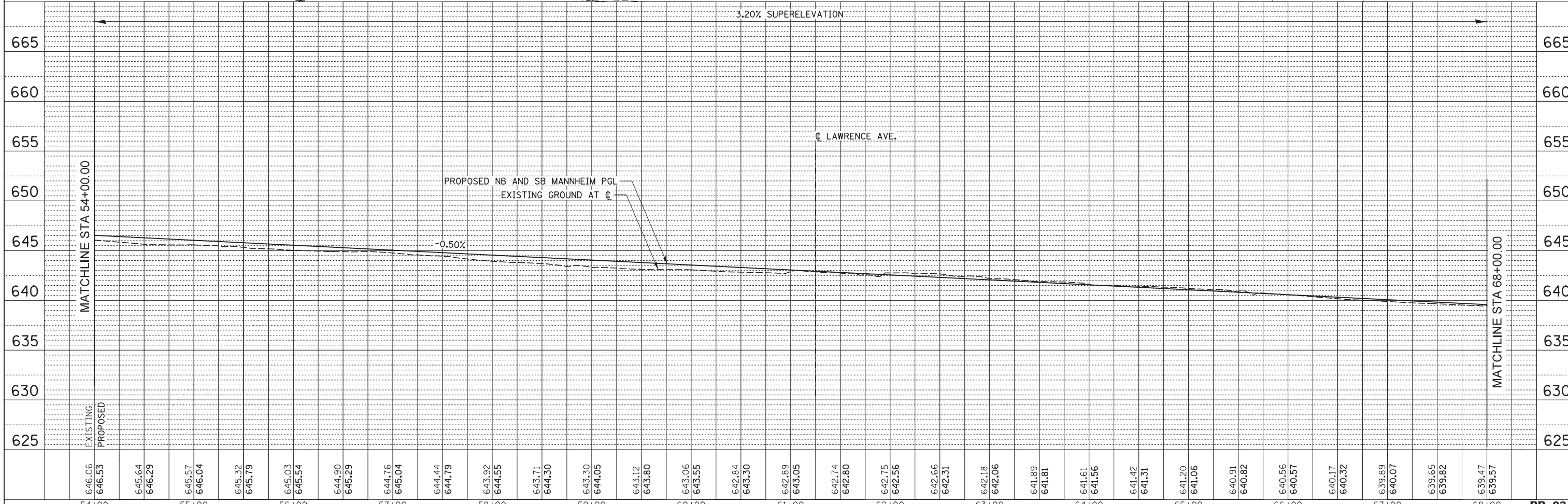
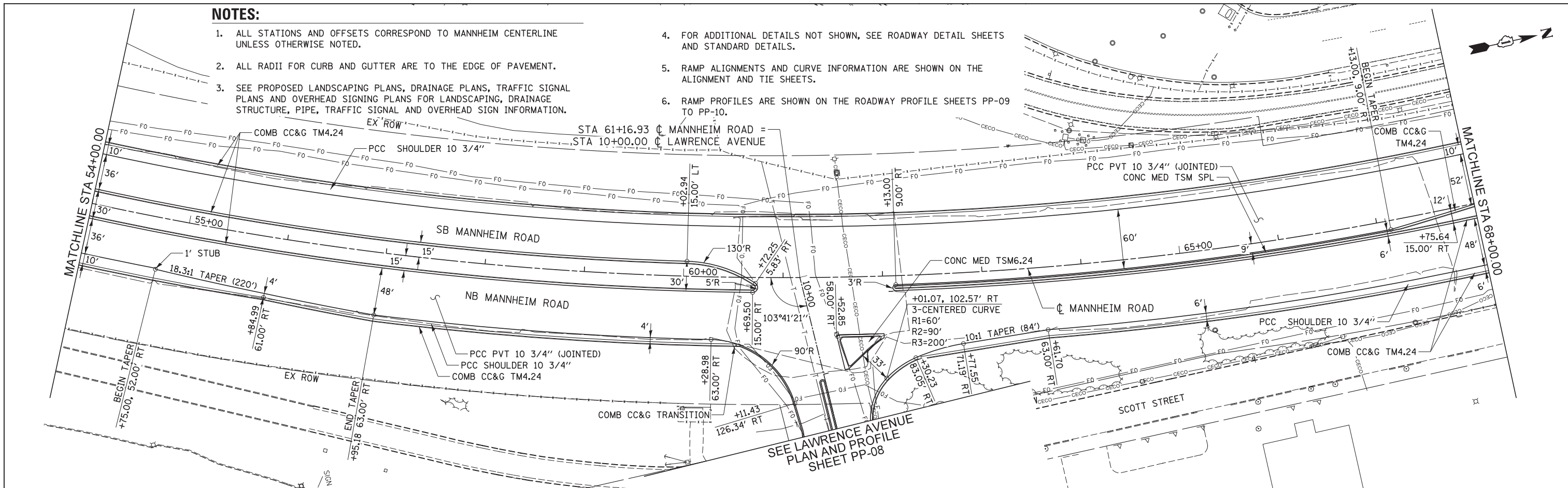
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	64
CONTRACT NO. 60637				

NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED LANDSCAPING PLANS, DRAINAGE PLANS, TRAFFIC SIGNAL PLANS AND OVERHEAD SIGNING PLANS FOR LANDSCAPING, DRAINAGE STRUCTURE, PIPE, TRAFFIC SIGNAL AND OVERHEAD SIGN 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 SHEETS PP-09 TO PP-10.

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	NO.	



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54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00	62+00	63+00	64+00	65+00	66+00	67+00	68+00																																											



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 50'	SHEET NO. 3 OF 12 SHEETS	STA. 54+00.00 TO STA. 68+00.00
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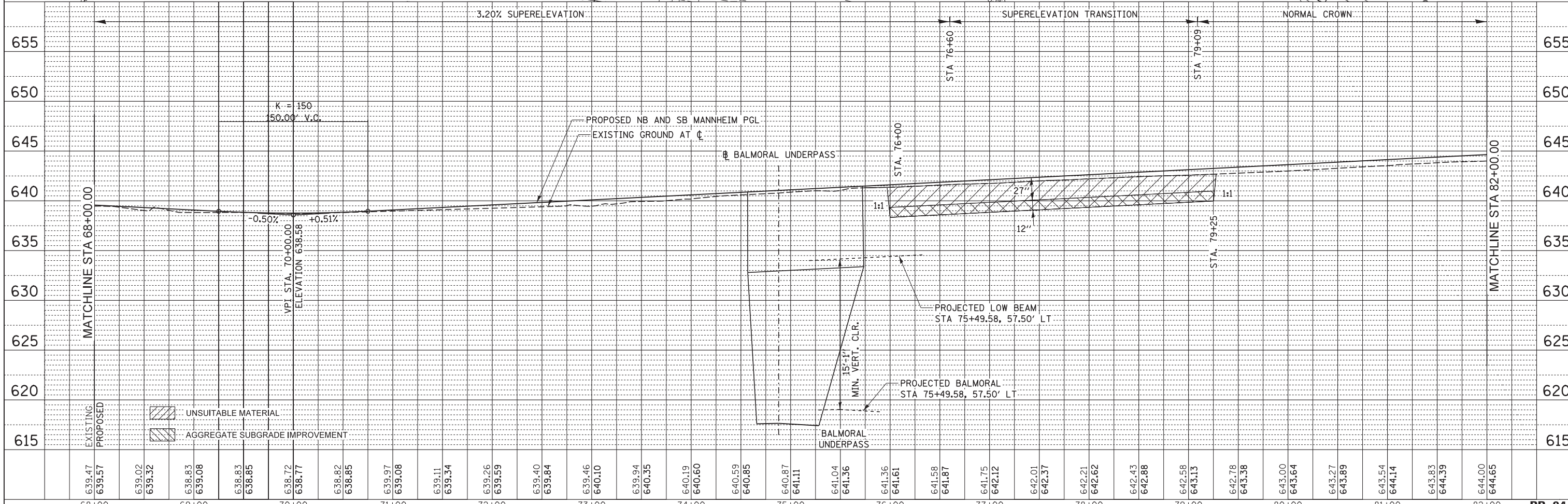
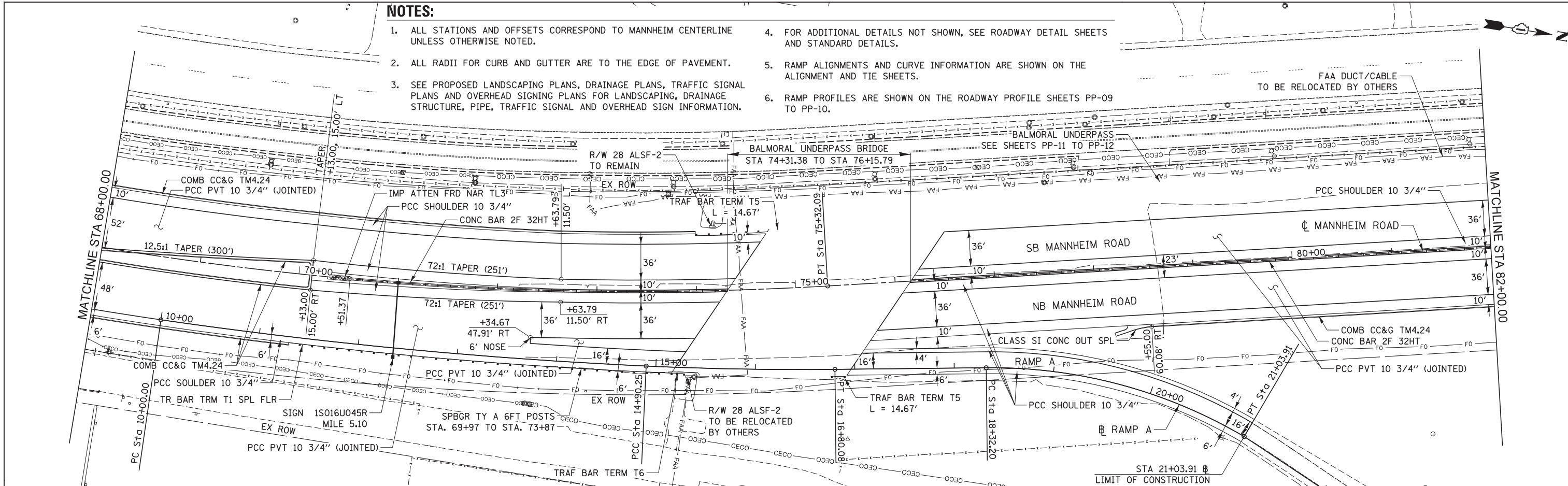
F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 66
CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	

NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED LANDSCAPING PLANS, DRAINAGE PLANS, TRAFFIC SIGNAL PLANS AND OVERHEAD SIGNING PLANS FOR LANDSCAPING, DRAINAGE STRUCTURE, PIPE, TRAFFIC SIGNAL AND OVERHEAD SIGN 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 SHEETS PP-09 TO PP-10.

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	NO. _____	



68+00	69+00	70+00	71+00	72+00	73+00	74+00	75+00	76+00	77+00	78+00	79+00	80+00	81+00	82+00	PP-04
639.47	639.57	639.02	639.32	638.83	639.08	639.11	639.34	639.26	639.59	639.40	639.84	639.46	640.10	639.94	640.35
640.19	640.60	640.59	640.85	640.87	641.11	641.04	641.36	641.36	641.61	641.58	641.87	641.75	642.12	642.01	642.37
642.21	642.62	642.43	642.88	642.58	643.13	642.78	643.38	643.00	643.64	643.27	643.89	643.54	644.14	643.83	644.39
644.00	644.65														



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

REVISED -
 REVISED -
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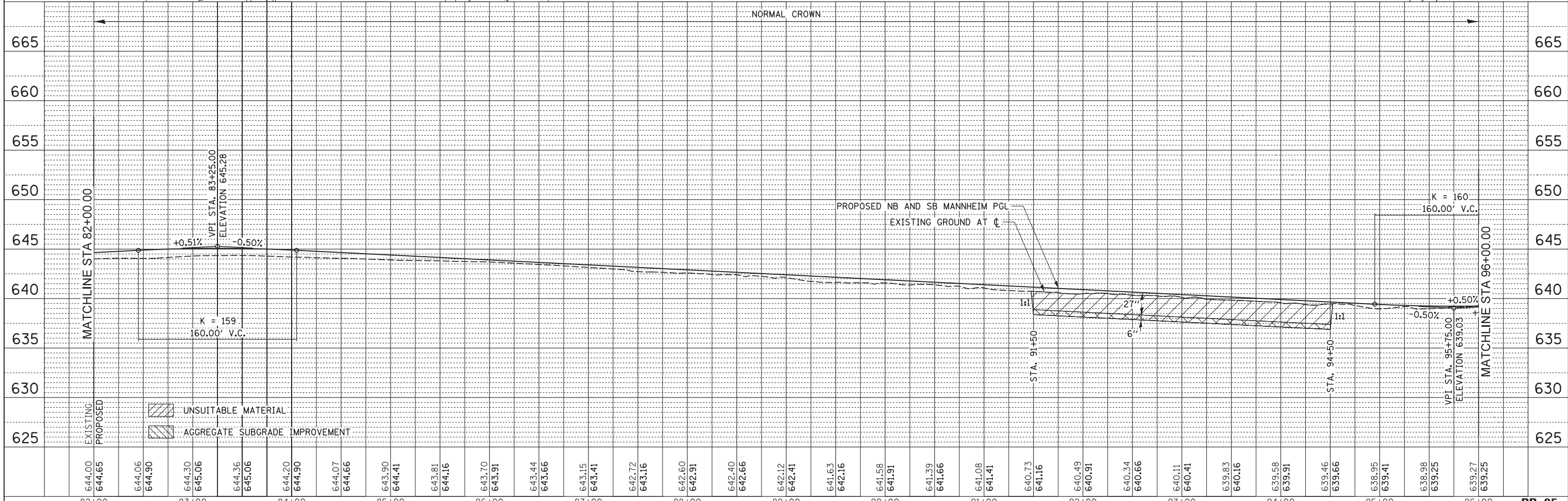
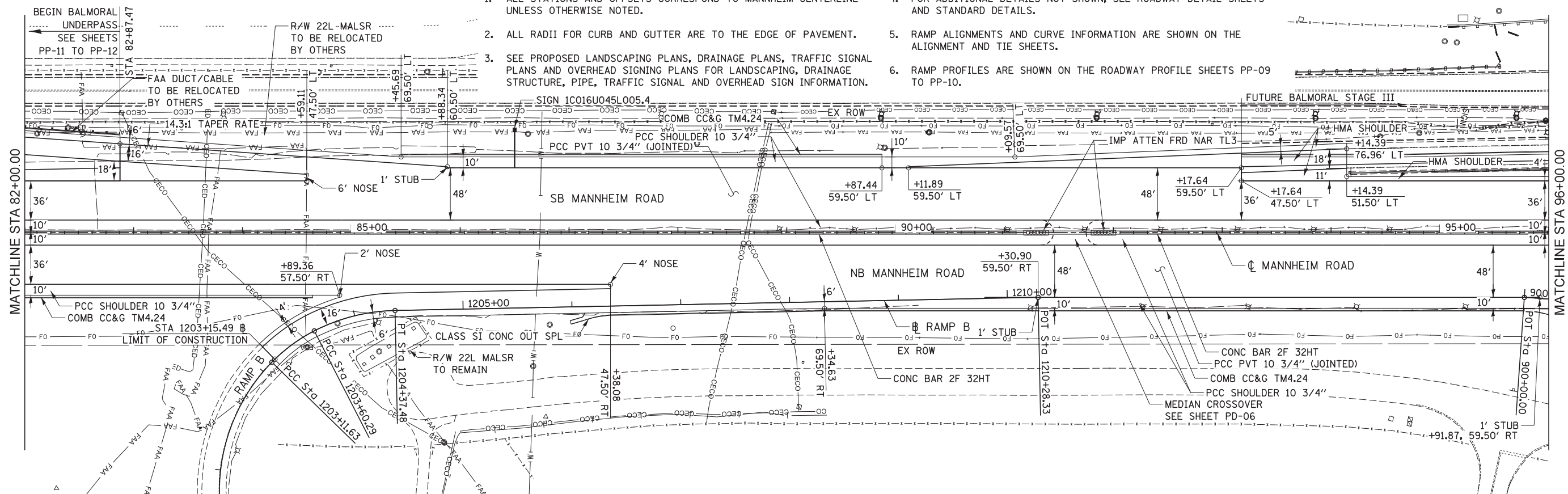
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 MANNHEIM ROAD
 SCALE: 1" = 50'
 SHEET NO. 4 OF 12 SHEETS
 STA. 68+00.00 TO STA. 82+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	67
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL STATIONS AND OFFSETS CORRESPOND TO MANNHEIM CENTERLINE UNLESS OTHERWISE NOTED.
2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE PROPOSED LANDSCAPING PLANS, DRAINAGE PLANS, TRAFFIC SIGNAL PLANS AND OVERHEAD SIGNING PLANS FOR LANDSCAPING, DRAINAGE STRUCTURE, PIPE, TRAFFIC SIGNAL AND OVERHEAD SIGN 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 SHEETS PP-09 TO PP-10.



PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	

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



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

REVISIONS
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 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

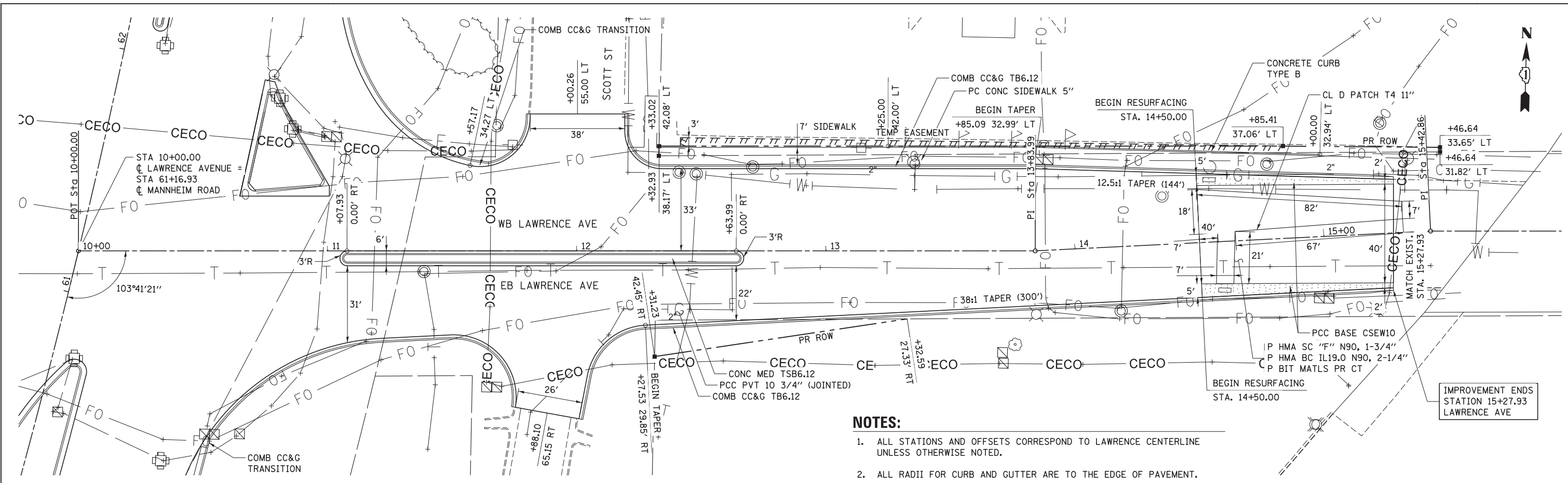
**PLAN AND PROFILE
 MANNHEIM ROAD**

SCALE: 1" = 50' SHEET NO. 5 OF 12 SHEETS STA. 82+00.00 TO STA. 96+00.00

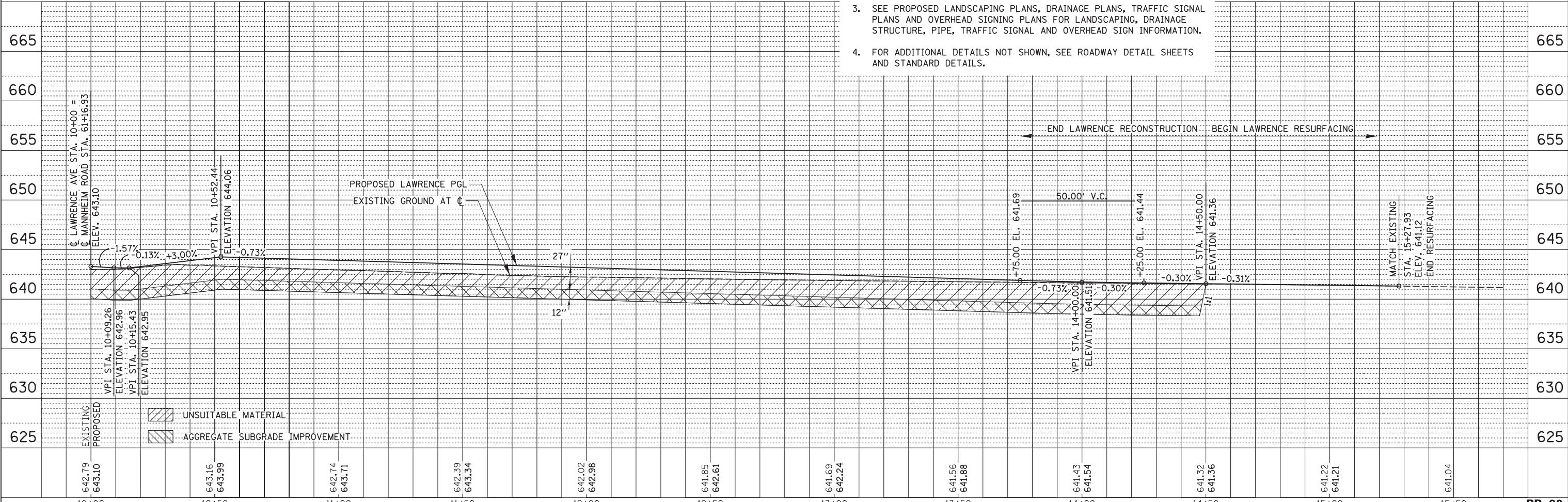
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	68
CONTRACT NO. 60G37			PP-05	

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

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



- NOTES:**
1. ALL STATIONS AND OFFSETS CORRESPOND TO LAWRENCE CENTERLINE UNLESS OTHERWISE NOTED.
 2. ALL RADII FOR CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
 3. SEE PROPOSED LANDSCAPING PLANS, DRAINAGE PLANS, TRAFFIC SIGNAL PLANS AND OVERHEAD SIGNING PLANS FOR LANDSCAPING, DRAINAGE STRUCTURE, PIPE, TRAFFIC SIGNAL AND OVERHEAD SIGN INFORMATION.
 4. FOR ADDITIONAL DETAILS NOT SHOWN, SEE ROADWAY DETAIL SHEETS AND STANDARD DETAILS.



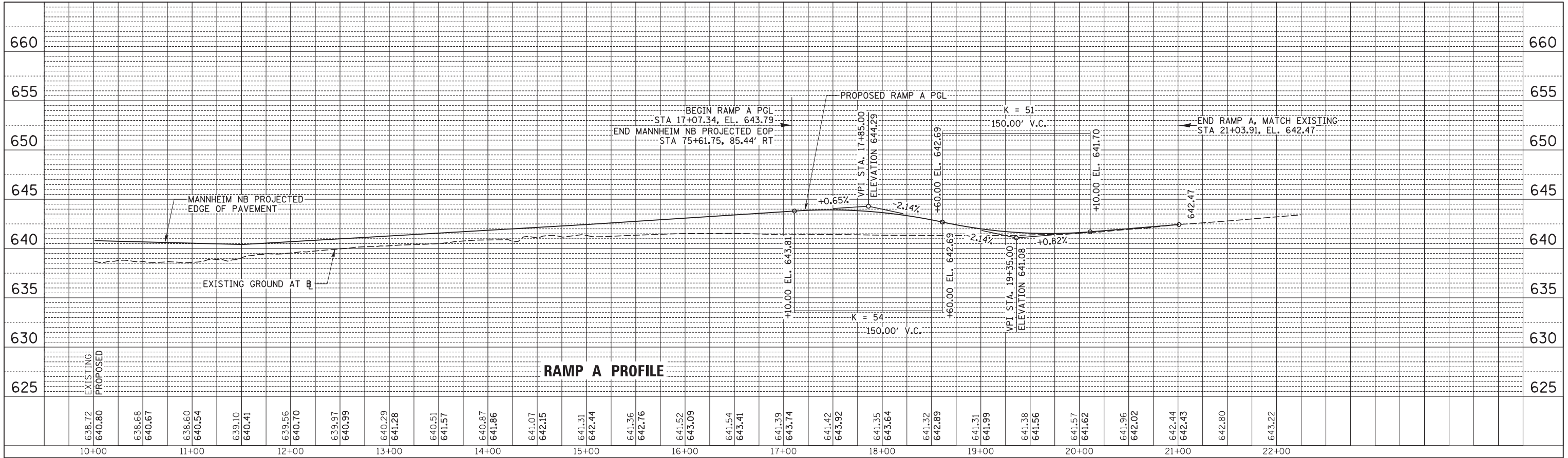
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	DRAWN MMK	REVISED -
PLOT SCALE = 20:1	CHECKED LLS	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

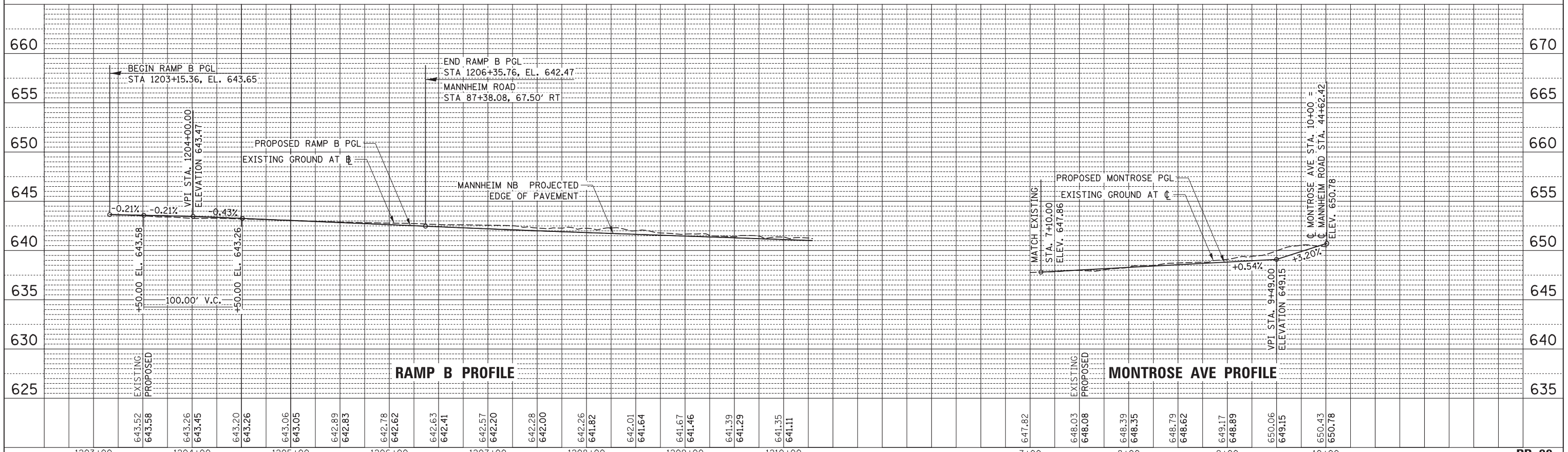
PLAN AND PROFILE LAWRENCE AVENUE	
SCALE: 1" = 20'	SHEET NO. 9 OF 12 SHEETS
STA. BOP	TO STA. EOP

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 71
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	CHECKED		
	ALIGNED		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHKD		



USER NAME = mikosir
 PLOT SCALE = 50:1
 PLOT DATE = 19-OCT-2012

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

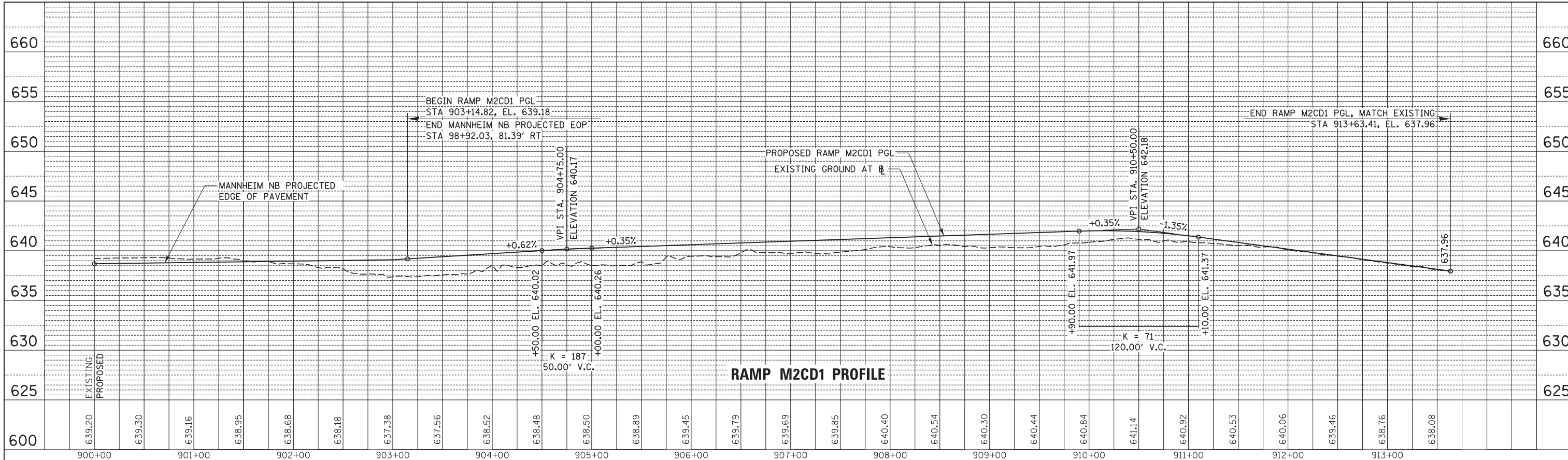
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

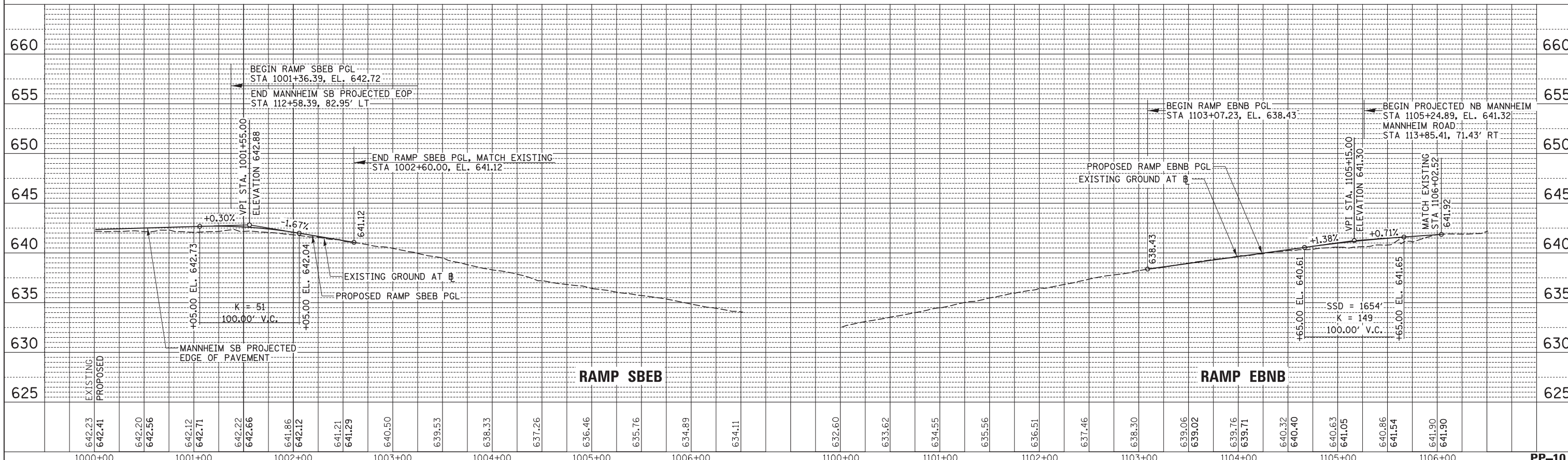
ROADWAY PROFILE
 RAMPS
 SCALE: 1" = 50'
 SHEET NO. 9 OF 12 SHEETS
 STA. TO STA.

F.A.P. RTE. 330
 SECTION 0105 WRS&HB
 COUNTY COOK
 TOTAL SHEETS 605
 SHEET NO. 72
 CONTRACT NO. 60G37

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



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



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

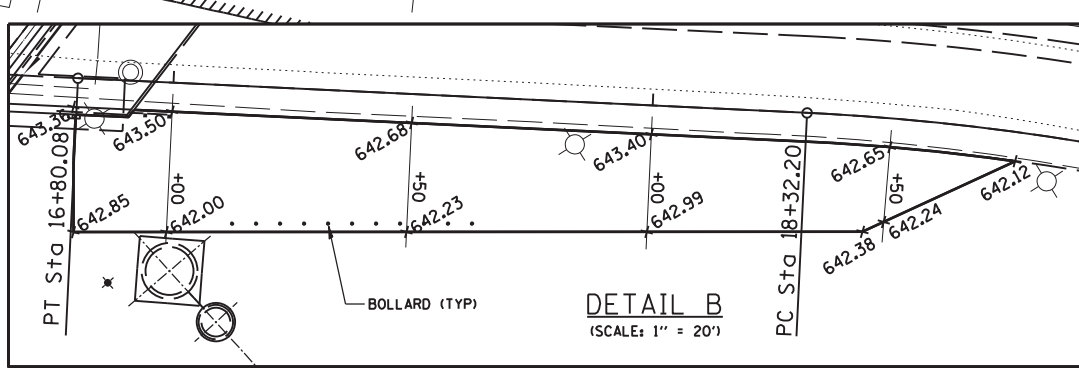
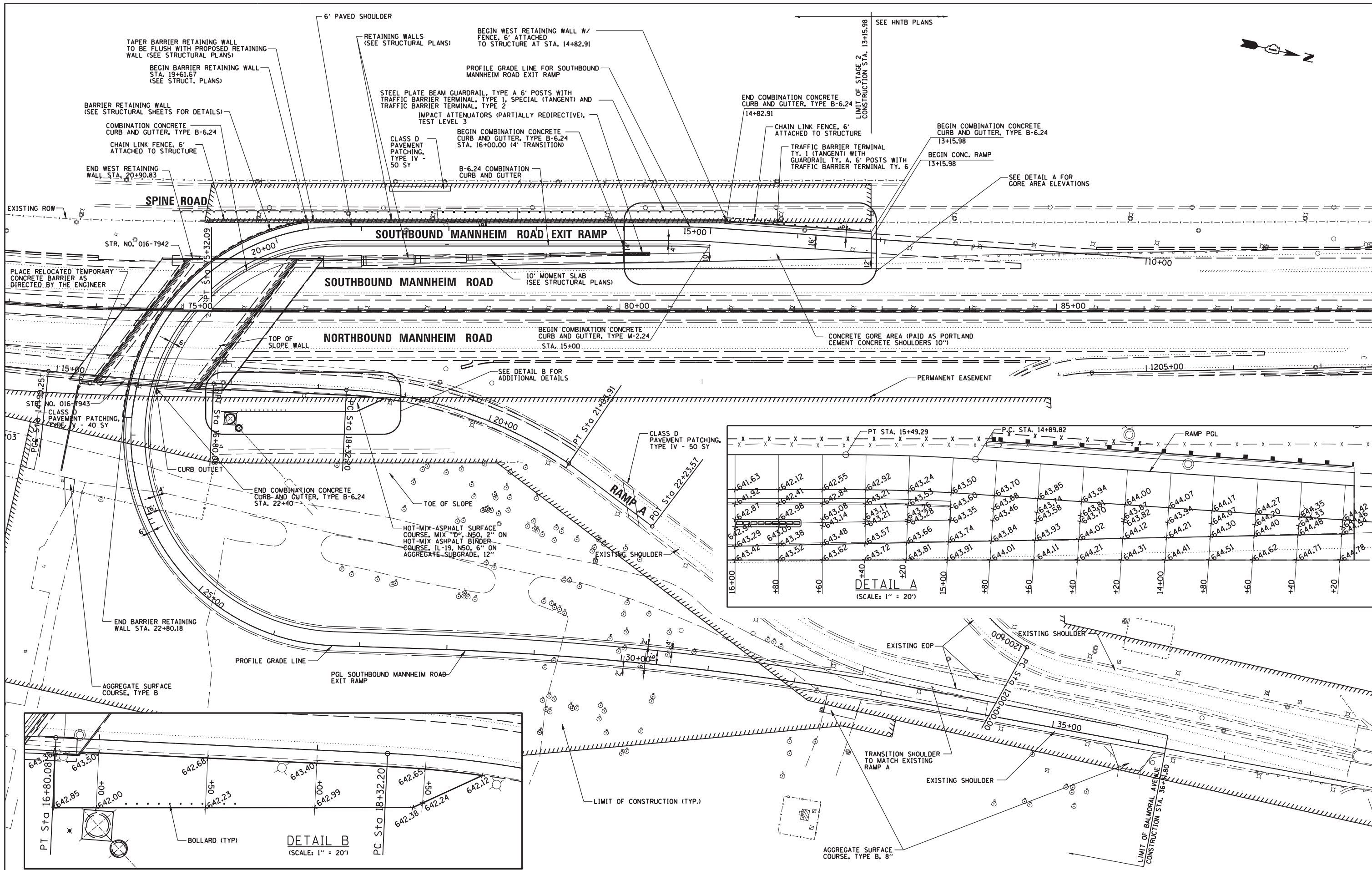
REVISIONS
 REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE
 RAMPS

SCALE: 1" = 50' SHEET NO. 10 OF 12 SHEETS STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	73
CONTRACT NO. 60G37				PP-10
ILLINOIS FED. AID PROJECT				



	USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
	DRAWN - PWN	REVISED -	
	CHECKED - SNS	REVISED -	
	DATE = 10/17/2012	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
BALMORAL UNDERPASS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	74
CONTRACT NO. 60G37				

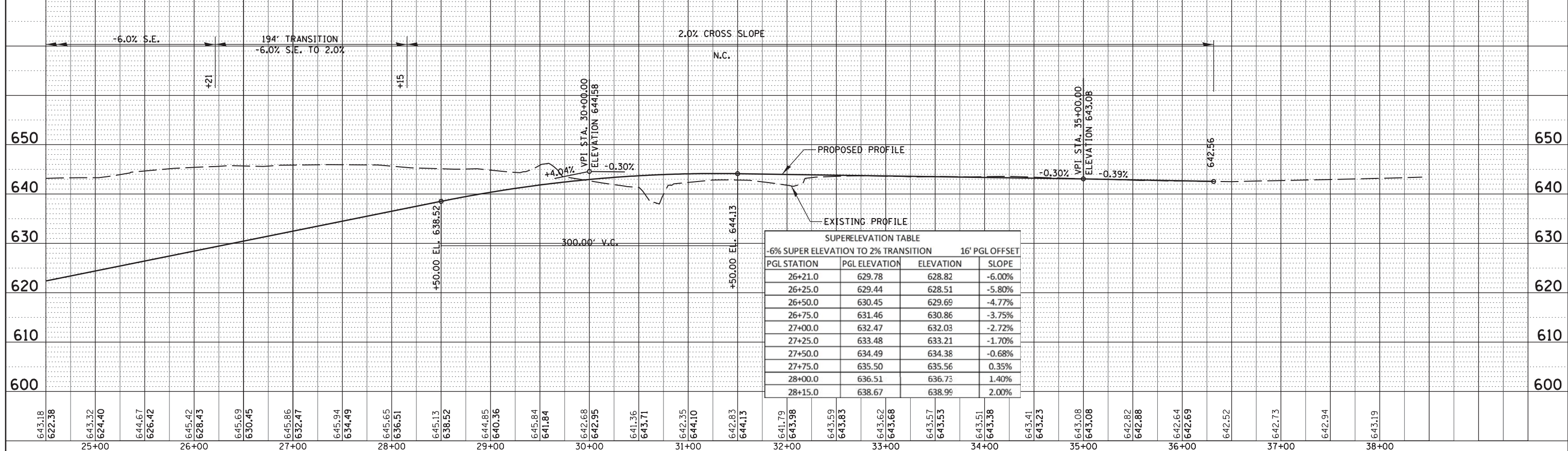
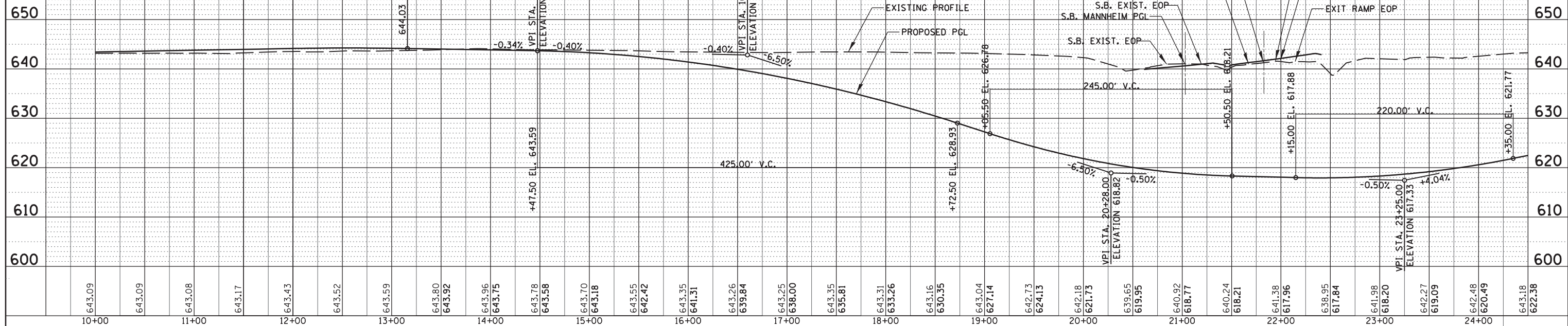
PLAN SURVEYED PLOTTED
 NOTE BOOK NO. _____
 CHECKED _____
 DATE _____

PROFILE SURVEYED PLOTTED
 GRADES CHECKED _____
 STRUCTURE NOTATIONS OK'D _____
 DATE _____

SUPERELEVATION TABLE			
2.5% SUPERELEVATION TO 2% TRANSITION		16' PGL OFFSET	
PGL STATION	PGL ELEVATION	ELEVATION	SLOPE
13+50.0	643.92	644.31	2.50%
13+75.0	643.83	644.15	2.00%

SUPERELEVATION TABLE			
2% SUPER ELEVATION TO -2% TRANSITION		16' PGL OFFSET	
PGL STATION	PGL ELEVATION	ELEVATION	SLOPE
16+00.0	641.31	641.63	2.00%
16+25.0	640.62	640.82	1.22%
16+50.0	639.84	639.91	0.44%
16+75.0	638.96	638.91	-0.34%
17+00.0	638.00	637.81	-1.12%
17+25.0	636.95	636.64	-1.91%
17+28.0	636.82	636.50	-2.00%

SUPERELEVATION TABLE			
-2% SUPER ELEVATION TO 6% TRANSITION		16' PGL OFFSET	
PGL STATION	PGL ELEVATION	ELEVATION	SLOPE
18+76.0	627.02	626.70	-2.00%
19+00.0	627.14	626.66	-2.98%
19+25.0	625.56	624.93	-3.96%
19+50.0	624.13	623.32	-5.04%
19+73.0	621.82	620.86	-6.00%



SUPERELEVATION TABLE			
-6% SUPER ELEVATION TO 2% TRANSITION		16' PGL OFFSET	
PGL STATION	PGL ELEVATION	ELEVATION	SLOPE
26+21.0	629.78	628.82	-6.00%
26+25.0	629.44	628.51	-5.80%
26+50.0	630.45	629.69	-4.77%
26+75.0	631.46	630.86	-3.75%
27+00.0	632.47	632.03	-2.72%
27+25.0	633.48	633.21	-1.70%
27+50.0	634.49	634.38	-0.68%
27+75.0	635.50	635.56	0.35%
28+00.0	636.51	636.73	1.40%
28+15.0	638.67	638.99	2.00%

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 500
 Rosemont, Illinois 60018
 (847) 873-0500

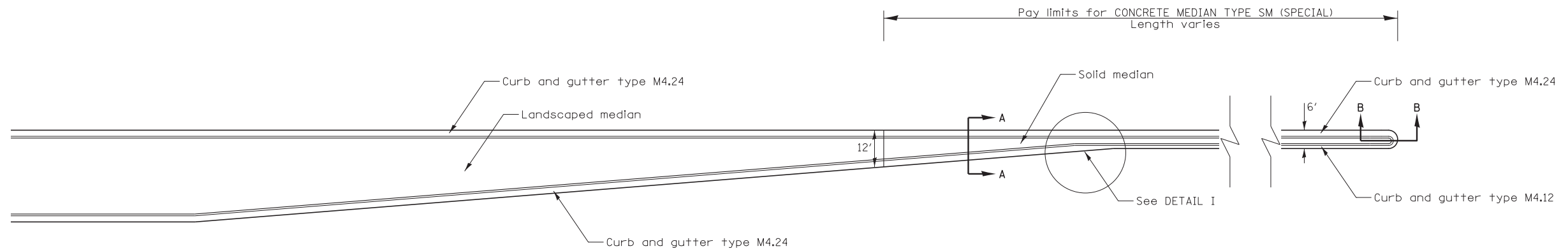
USER NAME = pmagnelli
 DESIGNED - NJM
 DRAWN - PWN
 CHECKED - SNG
 DATE - 10/17/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

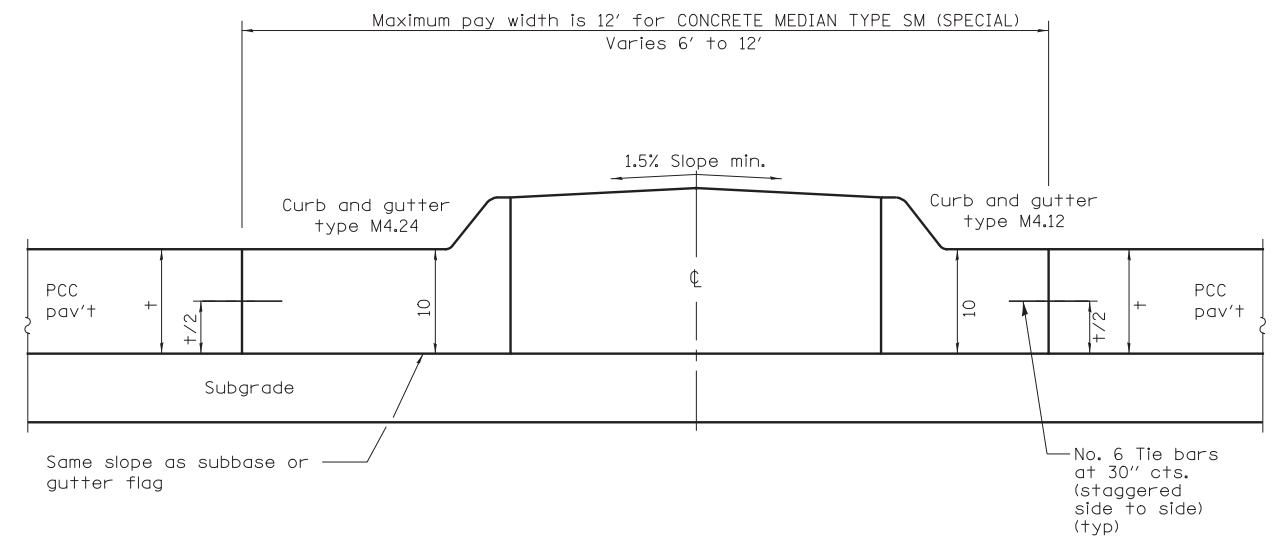
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE
 BALMORAL UNDERPASS**
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

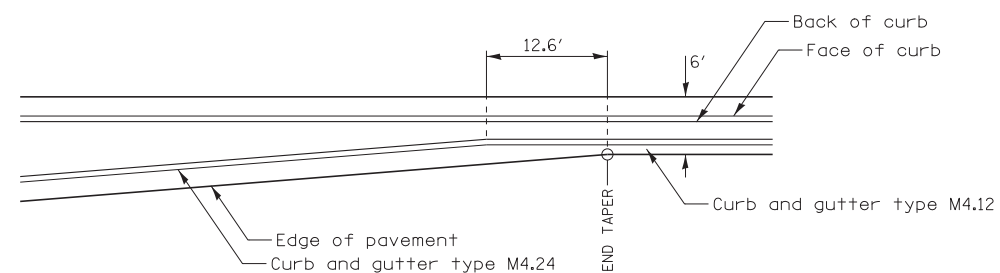
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	75
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



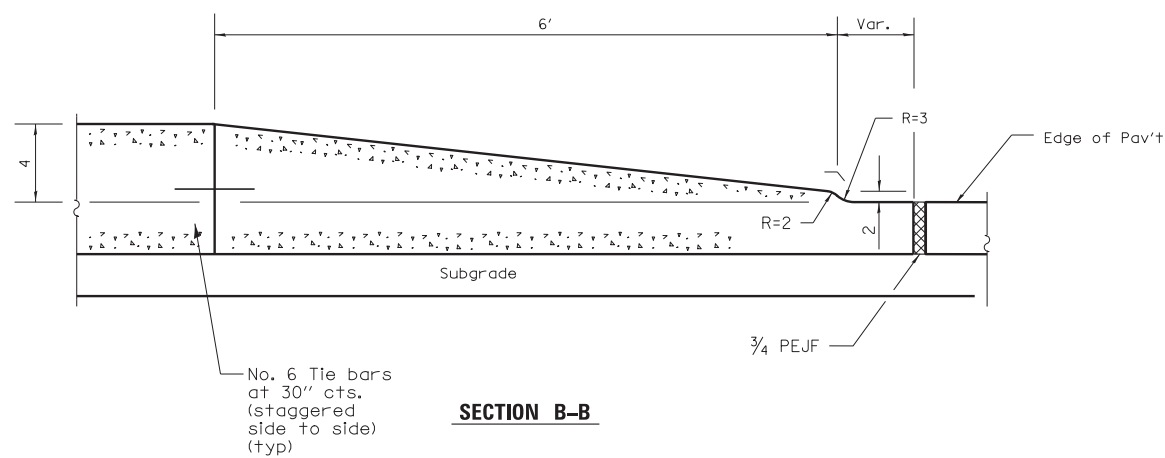
PLAN



SECTION A-A



DETAIL I



SECTION B-B

GENERAL NOTES

- PEJF = Preformed expansion joint filler.
- Median layout and radii shall be as shown on the plans.
- Keyed longitudinal construction joints shall be constructed without tie bars.
- 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.
- + = Pavement thickness.
- All dimensions are in inches unless otherwise shown.



USER NAME = mko51r	DESIGNED LLS/MMK	REVISED -
	DRAWN MMK	REVISED -
PLOT SCALE = 20:1	CHECKED LLS	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

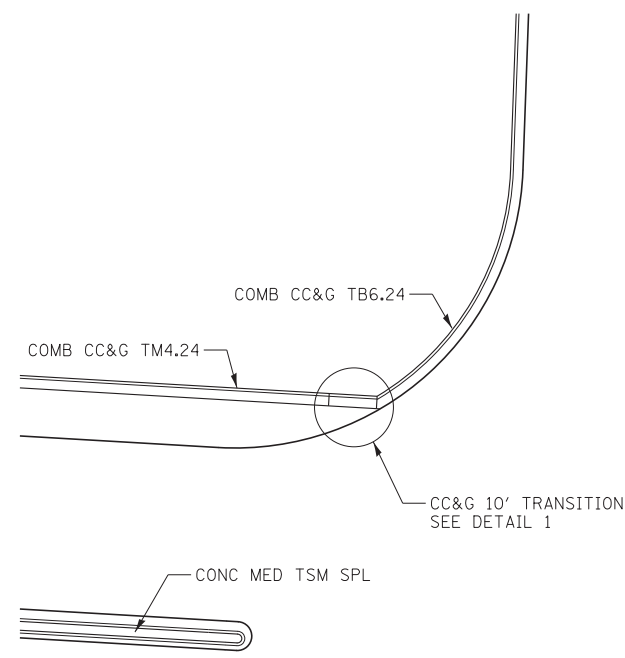
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS
CONCRETE MEDIAN TYPE SM (SPECIAL)

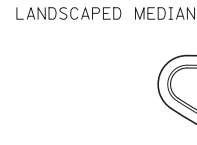
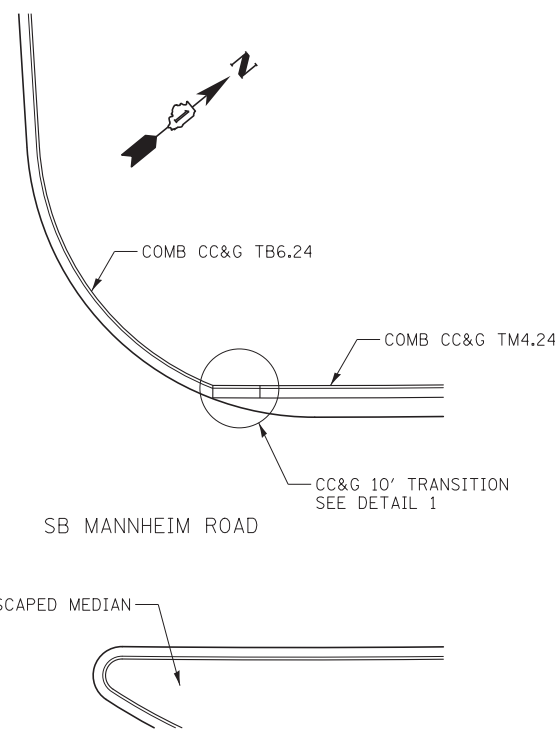
SCALE: N.T.S. SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

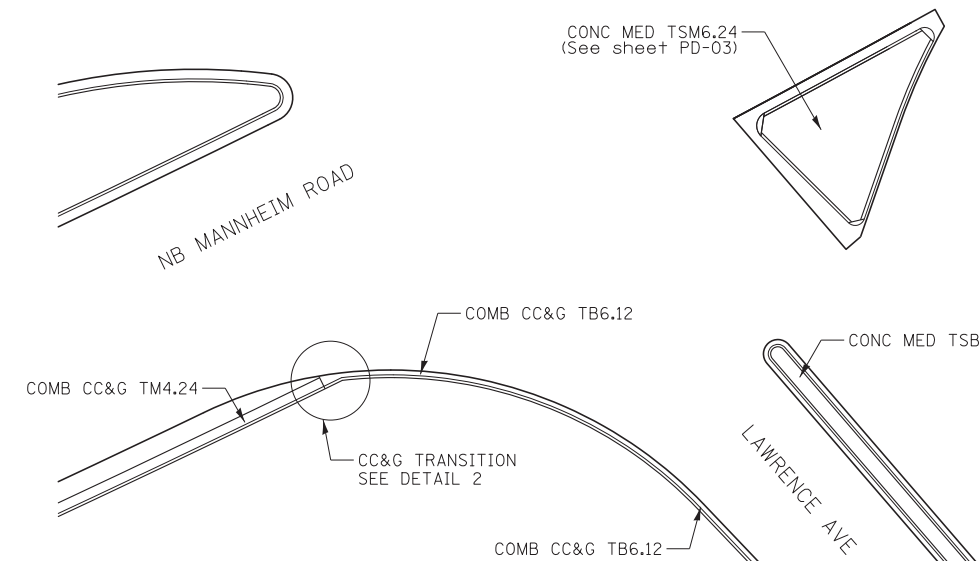
PD-01



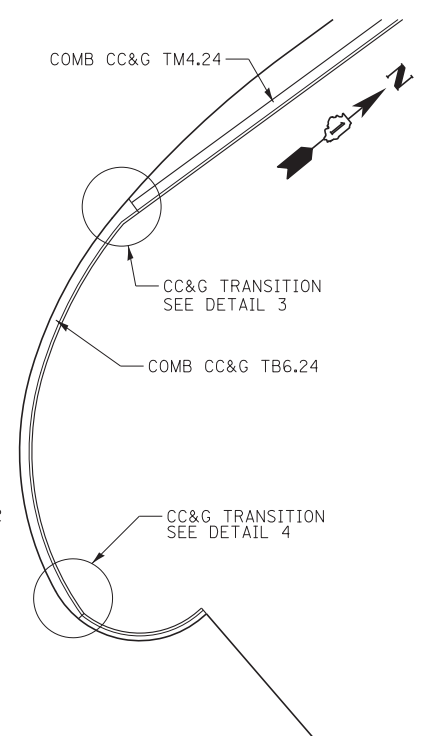
**PLAN
MONTROSE AVE**



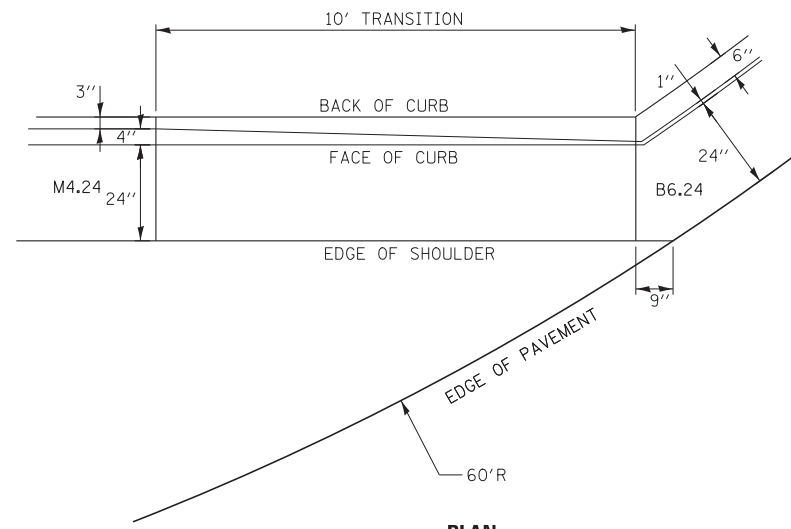
PLAN



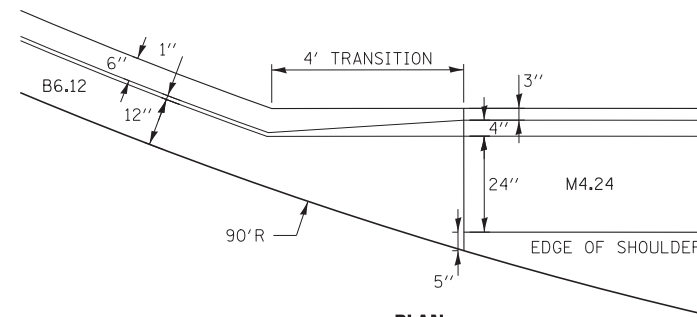
**PLAN
LAWRENCE AVE**



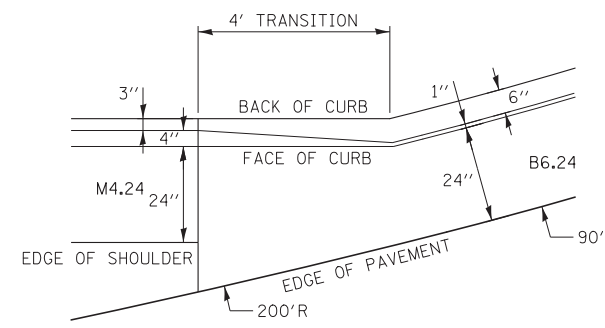
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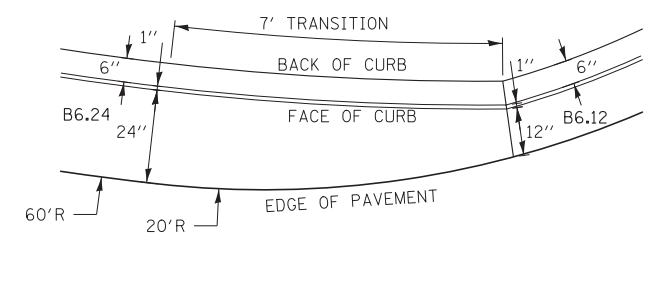
PLAN



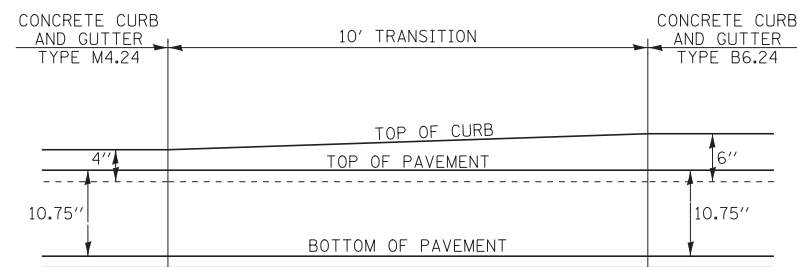
PLAN



PLAN

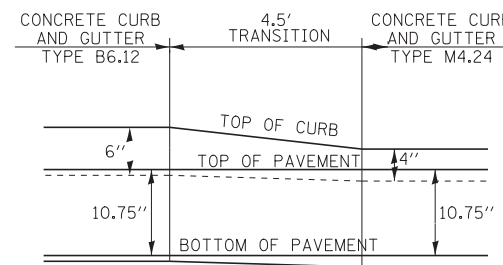


PLAN



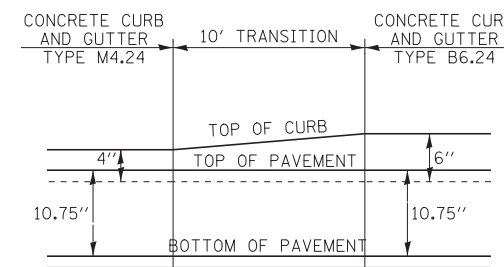
ELEVATION

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



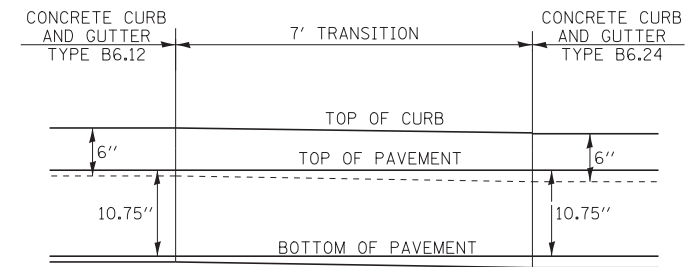
ELEVATION

**DETAIL 2
CC&G TRANSITION TM4.24 TO TB6.12**



ELEVATION

**DETAIL 3
CC&G TRANSITION TM4.24 TO TB6.24**



ELEVATION

**DETAIL 4
CC&G TRANSITION TB6.24 TO TB6.12**



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS
COMBINATION CONCRETE CURB AND GUTTER TRANSITION

SCALE: N.T.S. SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	77
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

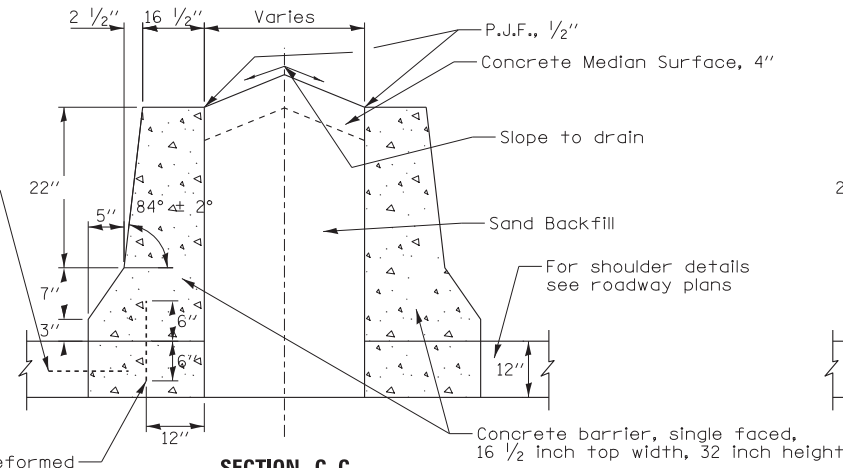
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NOTES

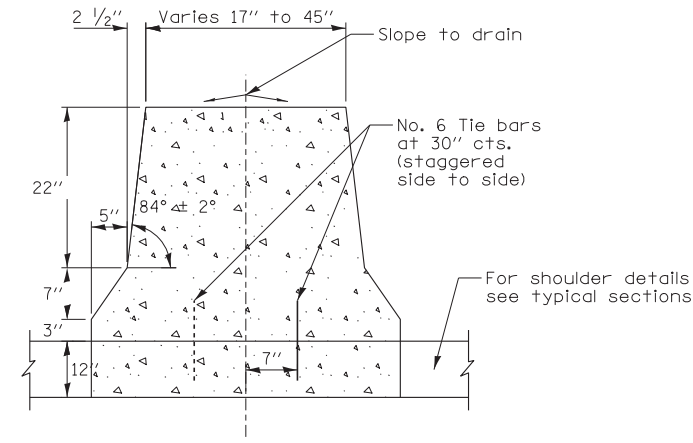
For ITS conduit details, see ITS plans.
For lighting conduit details, see Lighting plans.

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")

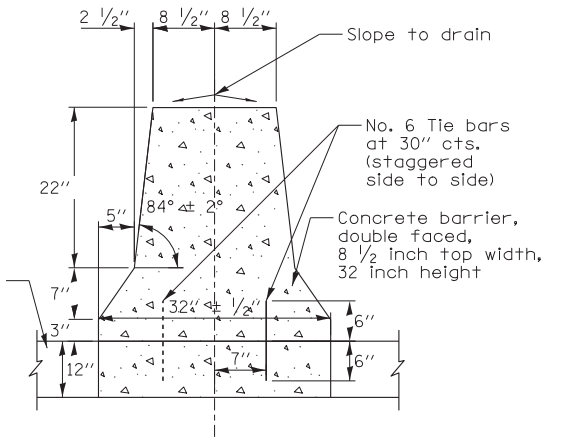
No. 6 deformed epoxy coated tie bar, 12" long @ 15" c-c drill & grout in place (Included in the cost of barrier base)



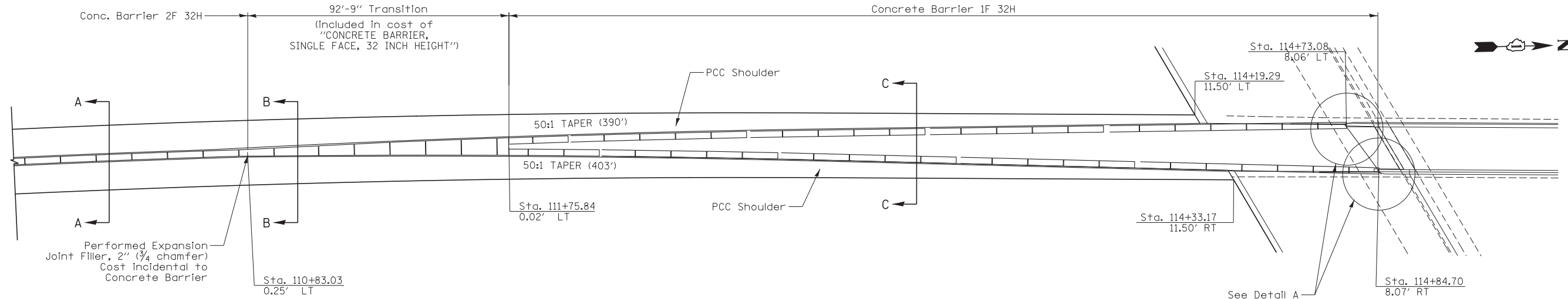
**SECTION C-C
CONCRETE BARRIER SINGLE FACE, 32H
AND CONCRETE SURFACE**



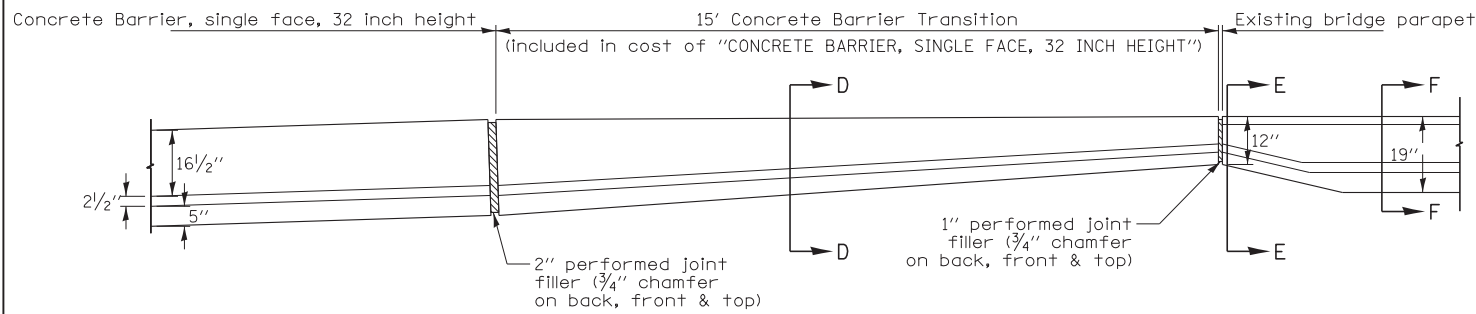
**SECTION B-B
CONCRETE BARRIER
TAPER**



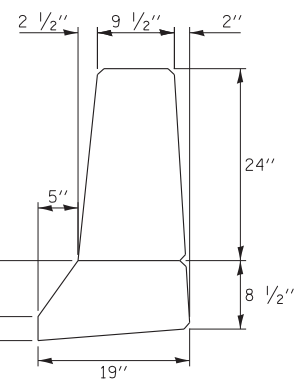
**SECTION A-A
CONCRETE BARRIER
DOUBLE FACE, 32 INCH HEIGHT**



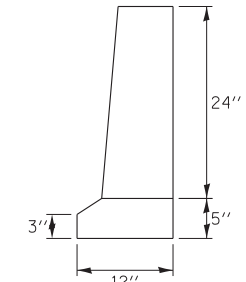
**PLAN VIEW
CONCRETE BARRIER TRANSITION**



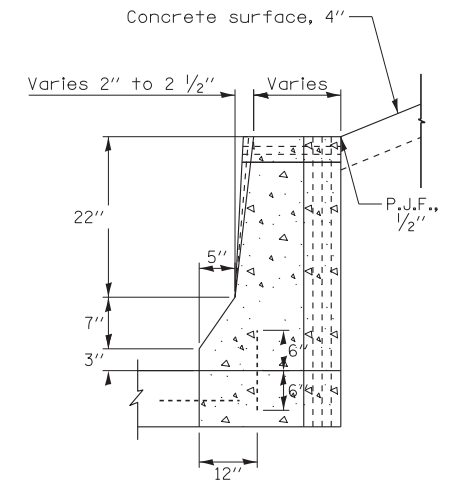
**DETAIL A
PLAN VIEW**



**SECTION F-F
PARAPET**



**SECTION E-E
PARAPET**



**SECTION D-D
CONCRETE BARRIER TRANSITION**



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

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

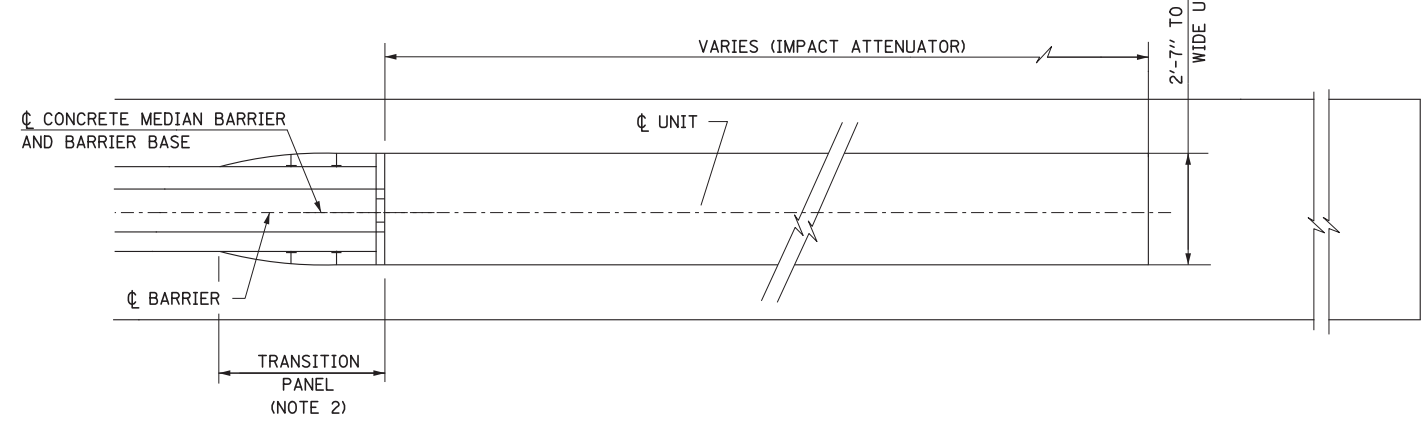
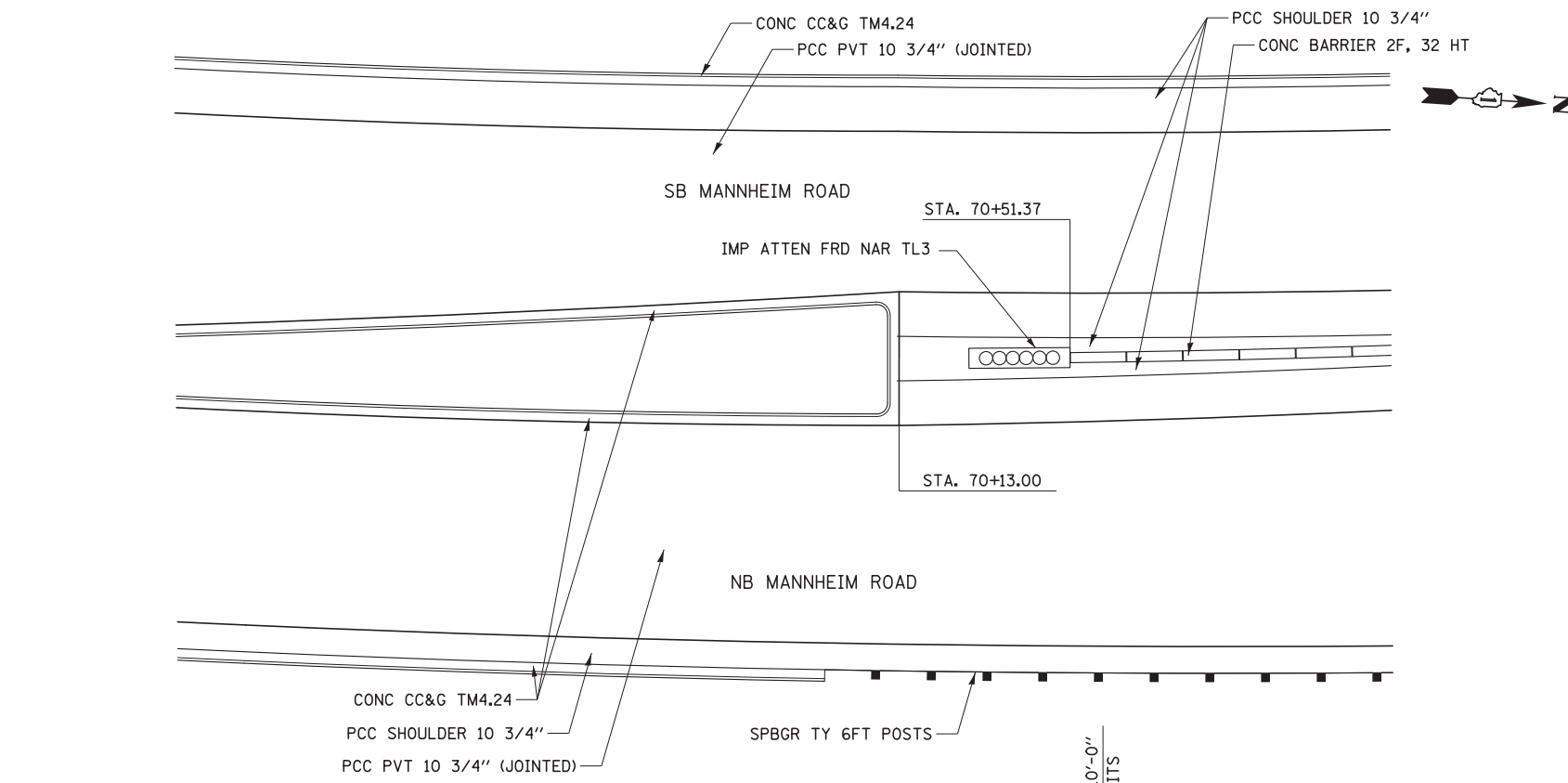
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

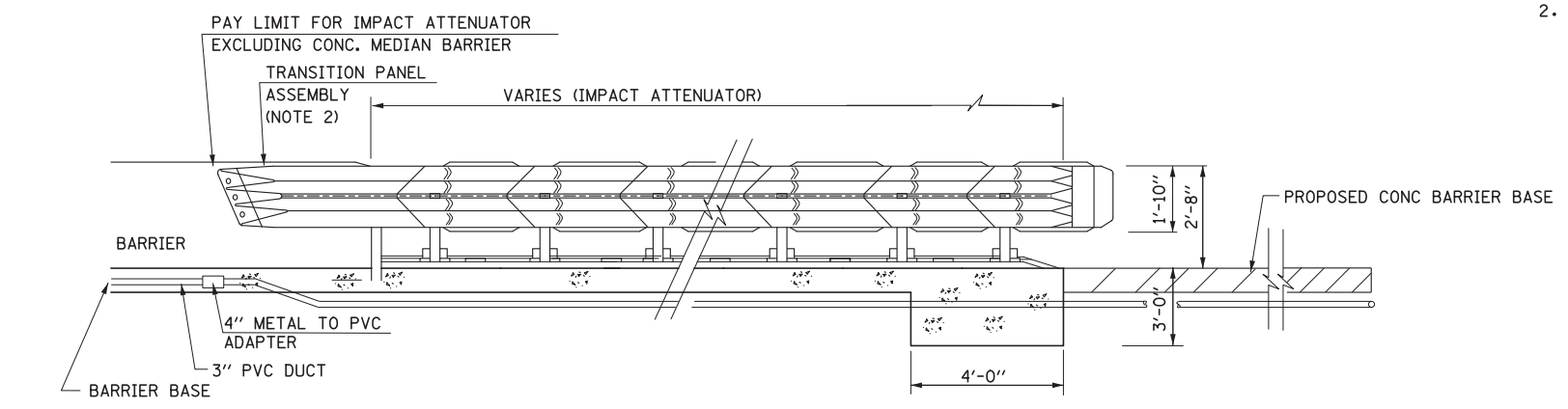
ROADWAY DETAILS
CONCRETE BARRIER TRANSITION

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. TO STA.

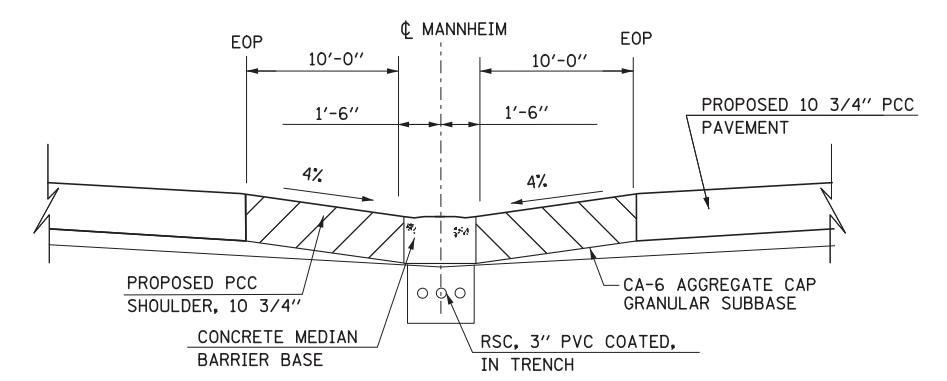
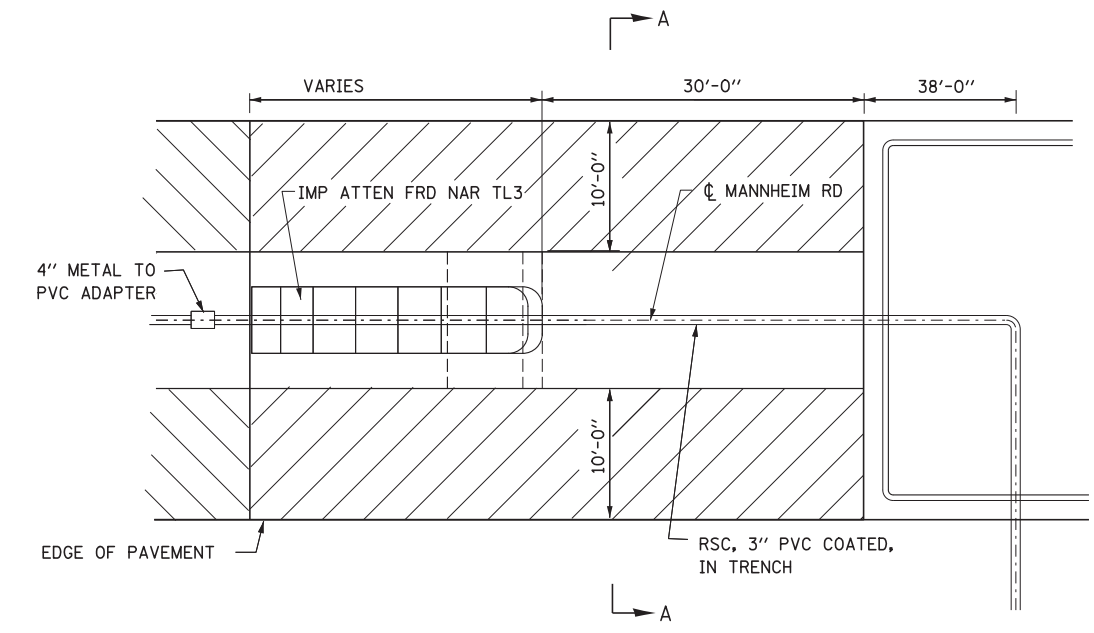
PD-04			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
330	0105 WRS&HB	COOK	605
			SHEET NO. 79
CONTRACT NO. 60G37			
ILLINOIS FED. AID PROJECT			



PLAN



ELEVATION
IMPACT ATTENUATOR



SECTION A-A
DETAIL OF PERMANENT MEDIAN CROSSOVER

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 = mikosir
PLOT SCALE = 20:1
PLOT DATE = 19-OCT-2012

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

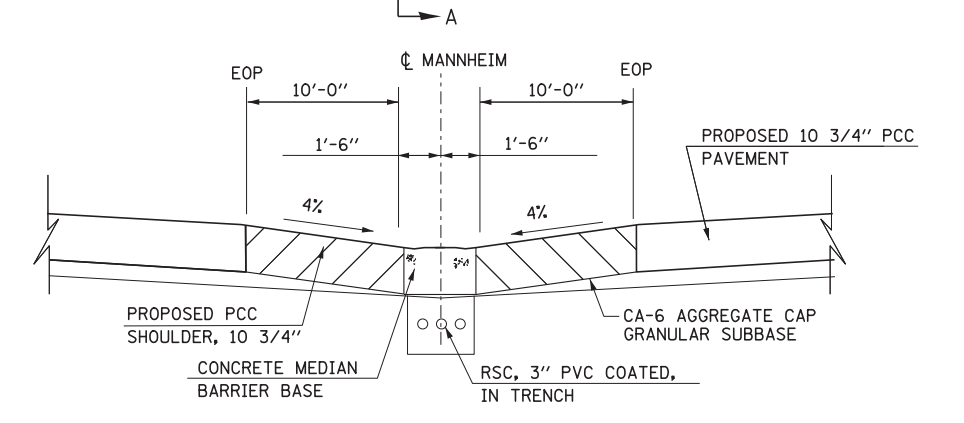
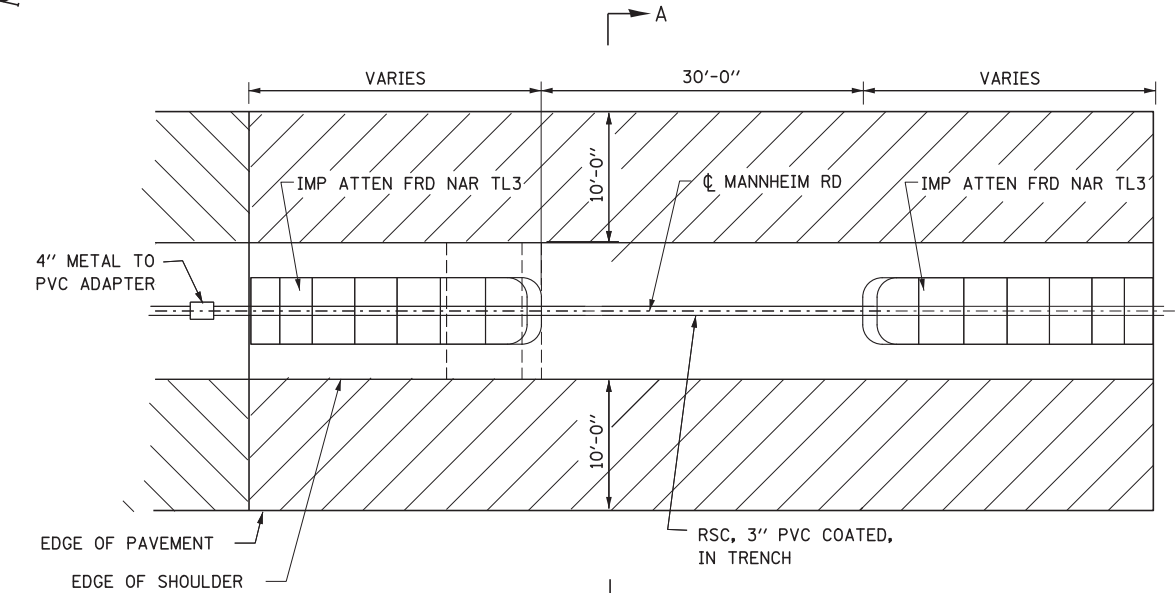
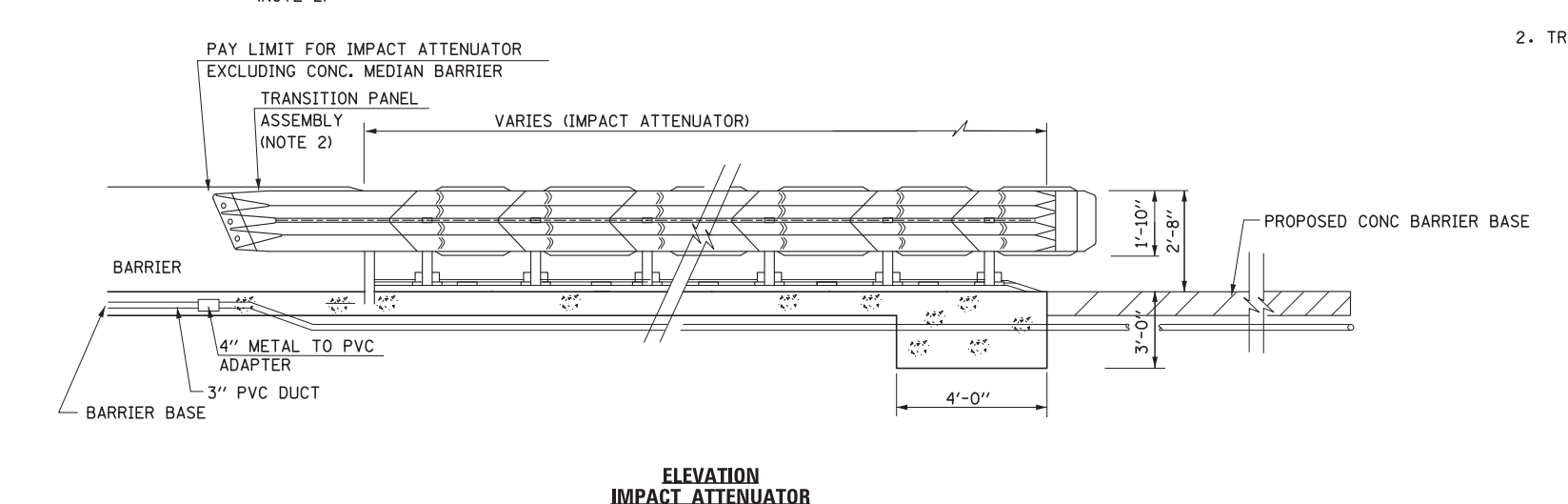
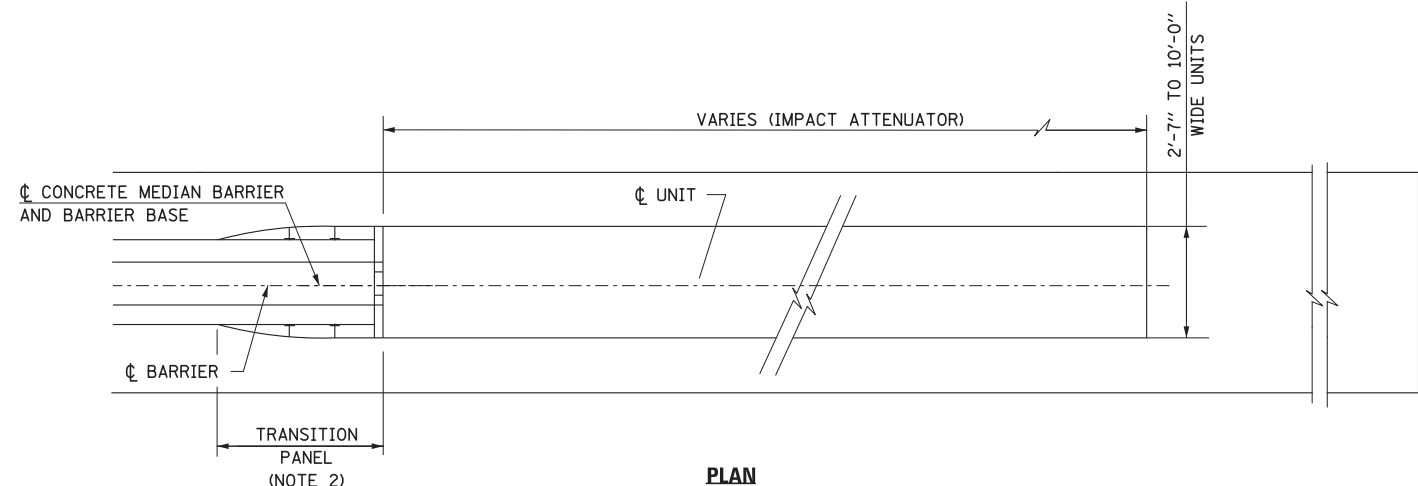
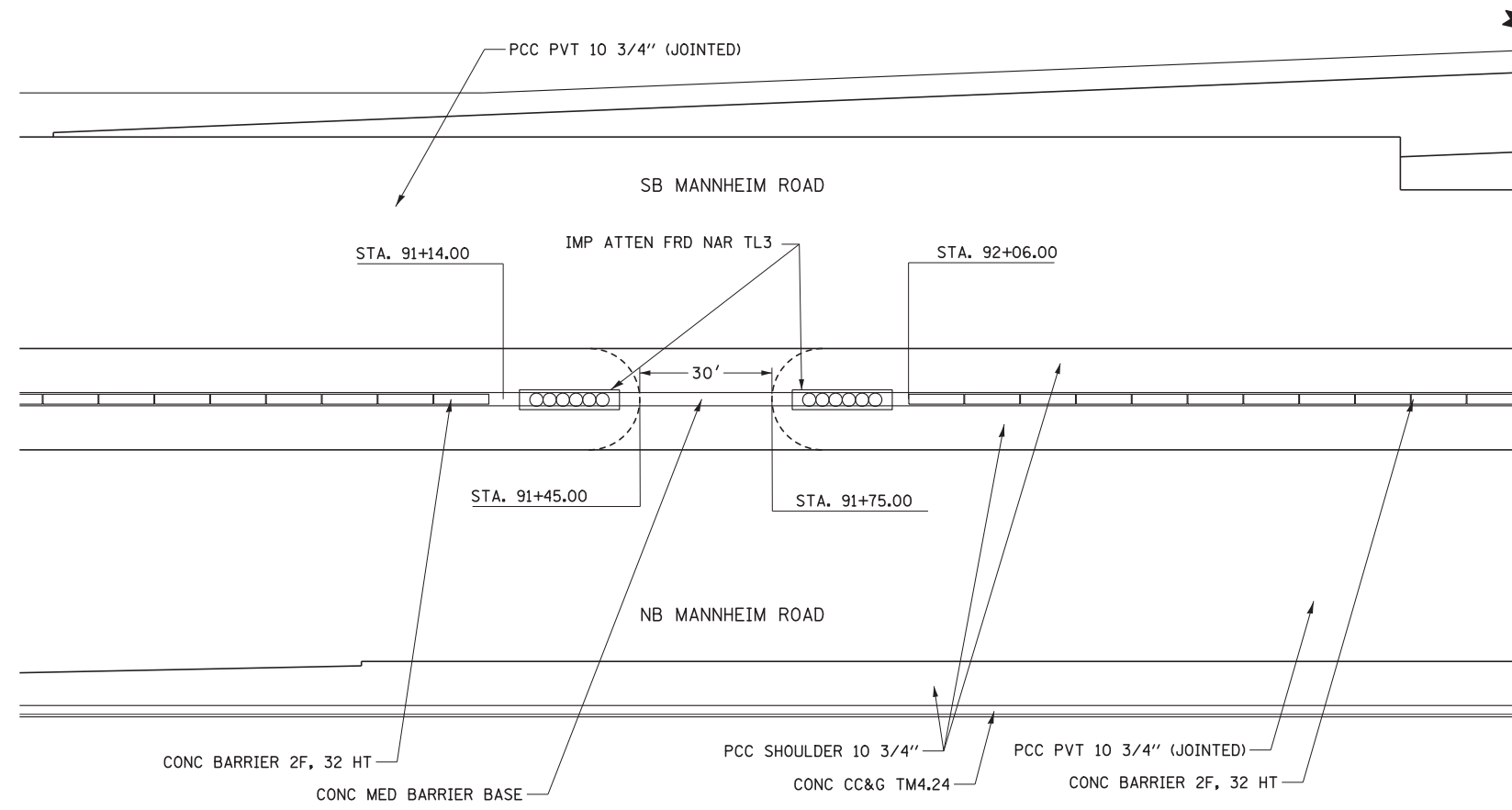
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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS
IMPACT ATTENUATOR

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	80
CONTRACT NO. 60G37			PD-05	
ILLINOIS FED. AID PROJECT				



**SECTION A-A
DETAIL OF PERMANENT MEDIAN CROSSOVER**

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

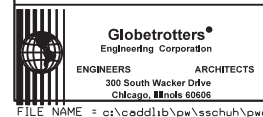
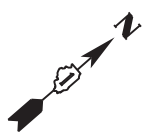
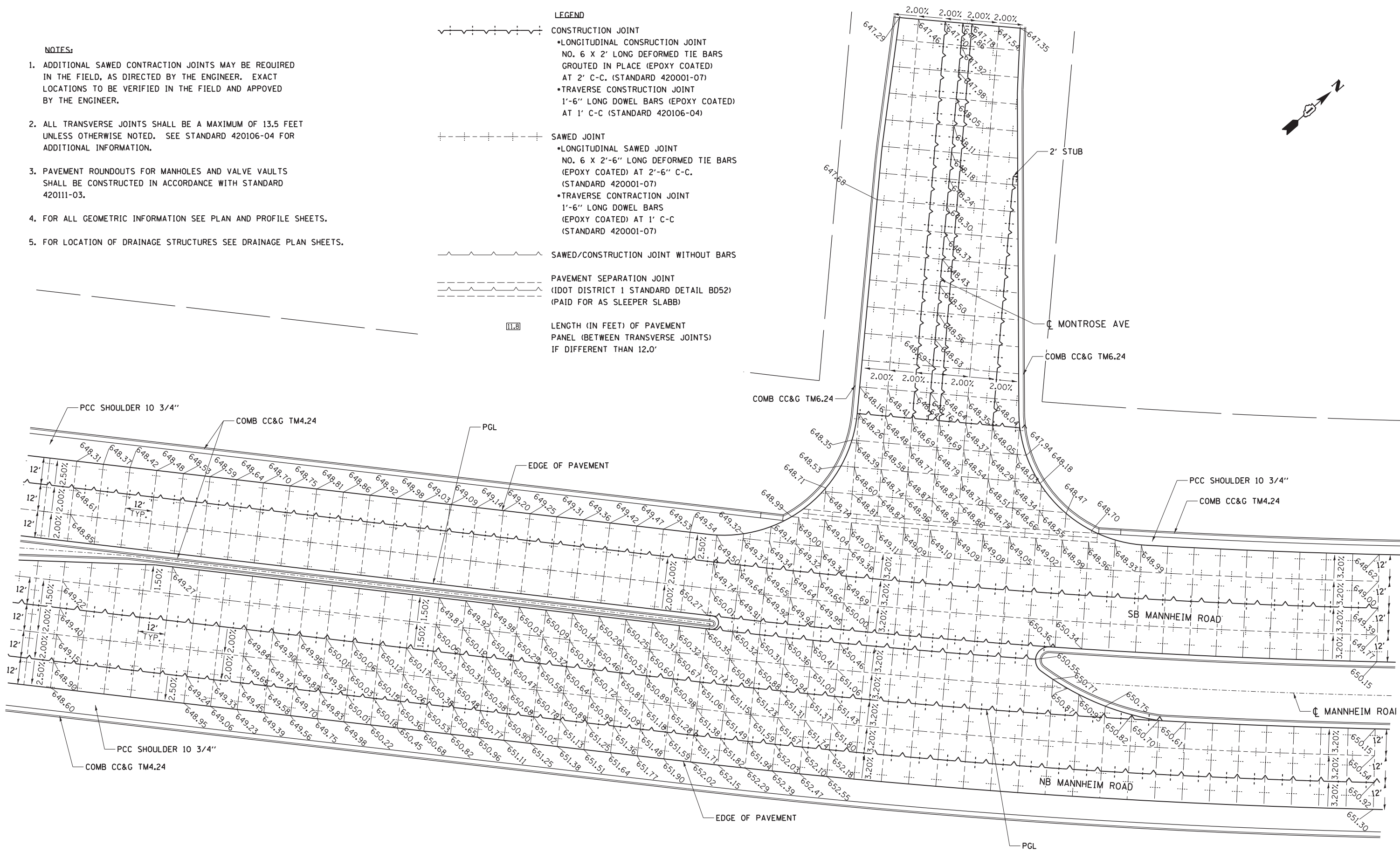
ROADWAY DETAILS		PD-06	
PERMANENT MEDIAN CROSSOVER		F.A.P. RTE.	TOTAL SHEETS
SCALE: 1" = 20'	SHEET NO. 6 OF 6 SHEETS	330	81
STA. TO STA.		SECTION 0105 WRS&HB	COUNTY COOK
		CONTRACT NO. 60G37	
		ILLINOIS FED. AID PROJECT	

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 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 SLABB)
- LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 12.0'



USER NAME = stephen.schuh	DESIGNED RE	REVISION
PLOT SCALE = 20.0000' / in.	DRAWN RE	REVISION
PLOT DATE = 10/19/2012	CHECKED VT	REVISION
	DATE 10/19/12	REVISION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

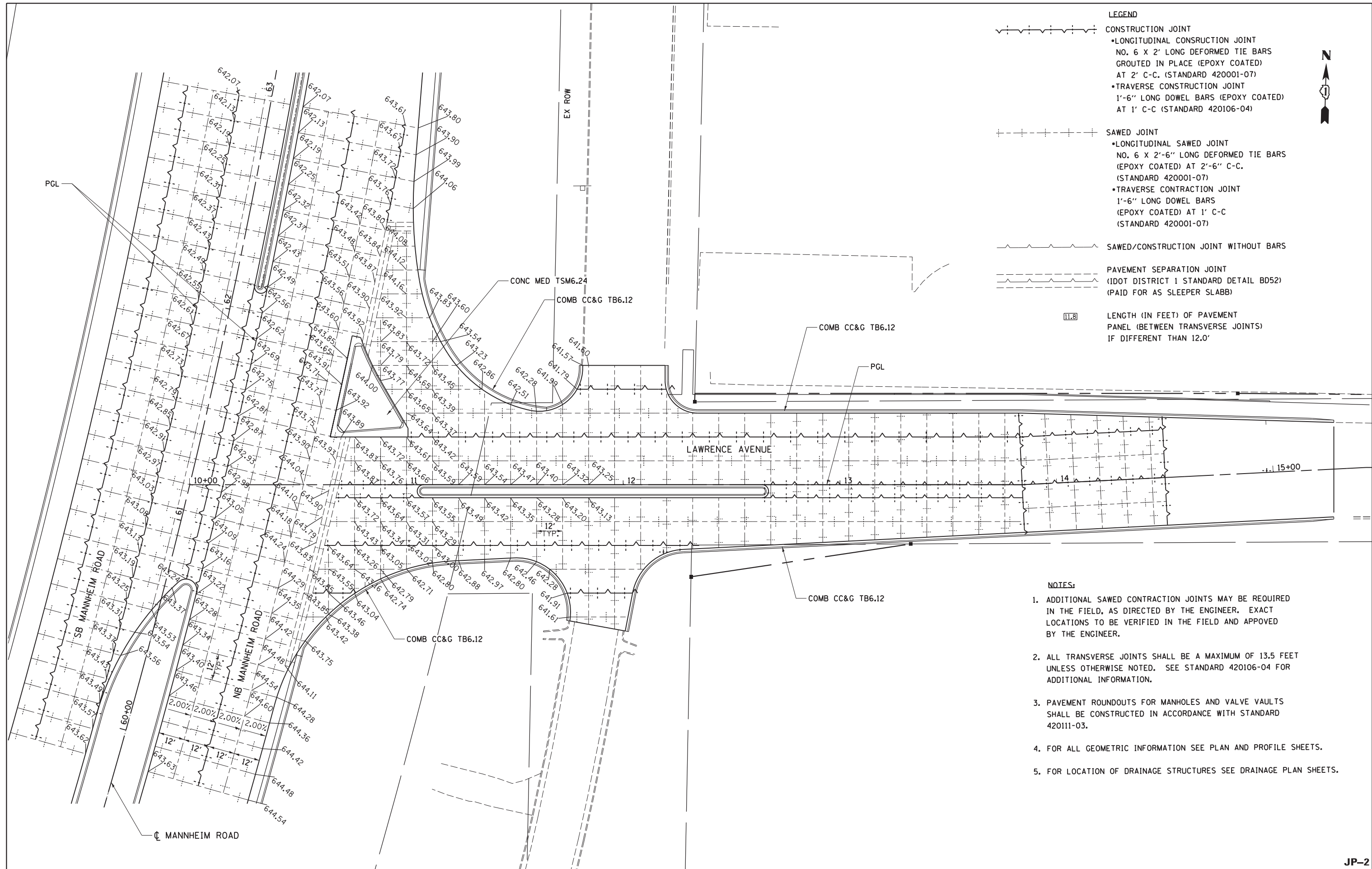
**PAVEMENT JOINTING PLAN
MANNHEIM ROAD AND MONTROSE AVENUE**




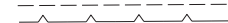

SCALE: 1" = 20' SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	82
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				


JP-1

FILE NAME = c:\cadd\lib\pw\sschuh\pgr\great_lakes\dms47844\0160G37-sht-plan_jnt1.dgn



- 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 SLABB)
 - 
**LENGTH (IN FEET) OF PAVEMENT
PANEL (BETWEEN TRANSVERSE JOINTS)
IF DIFFERENT THAN 12.0'**

- 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.

 Globetrotters Engineering Corporation ENGINEERS ARCHITECTS 300 South Wacker Drive Chicago, IL 60606	USER NAME = stephen.schuh	DESIGNED RE	REVISED -
	PLOT SCALE = 20.0000' / in.	DRAWN RE	REVISED -
	PLOT DATE = 10/19/2012	CHECKED VT	REVISED -
		DATE 10/19/12	REVISED -

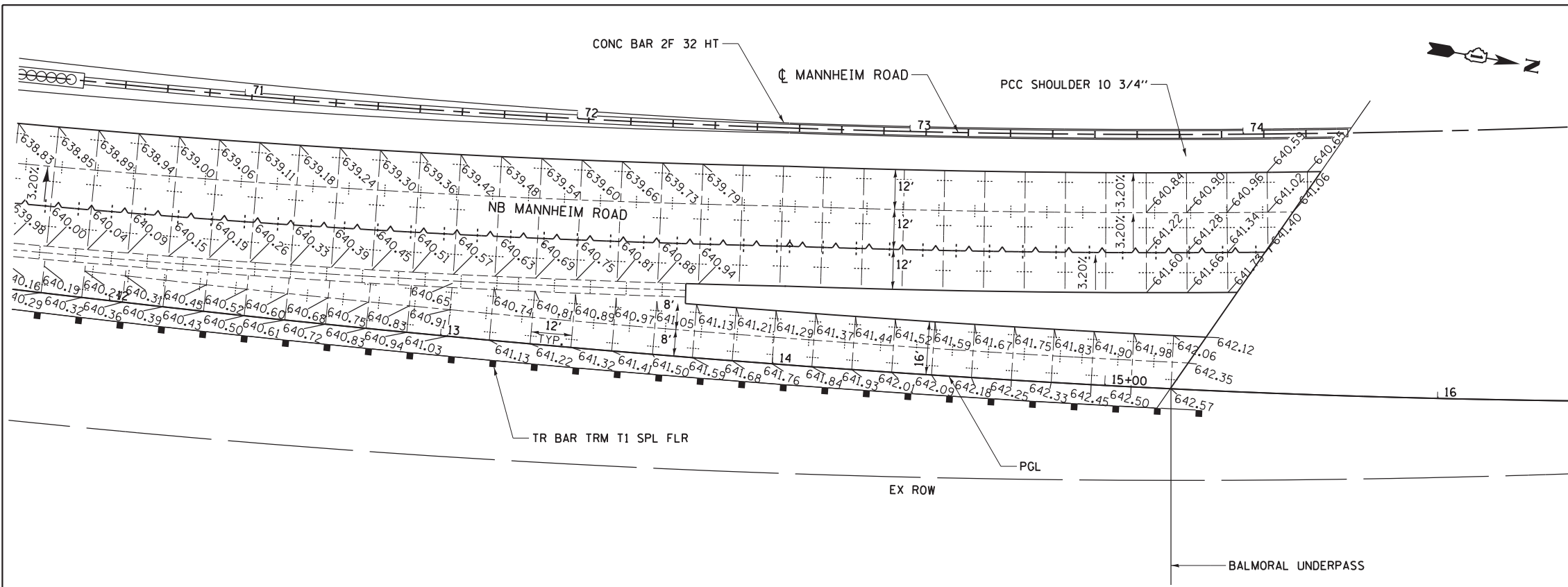
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT JOINTING PLAN
MANNHEIM ROAD AND LAWRENCE AVENUE**

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

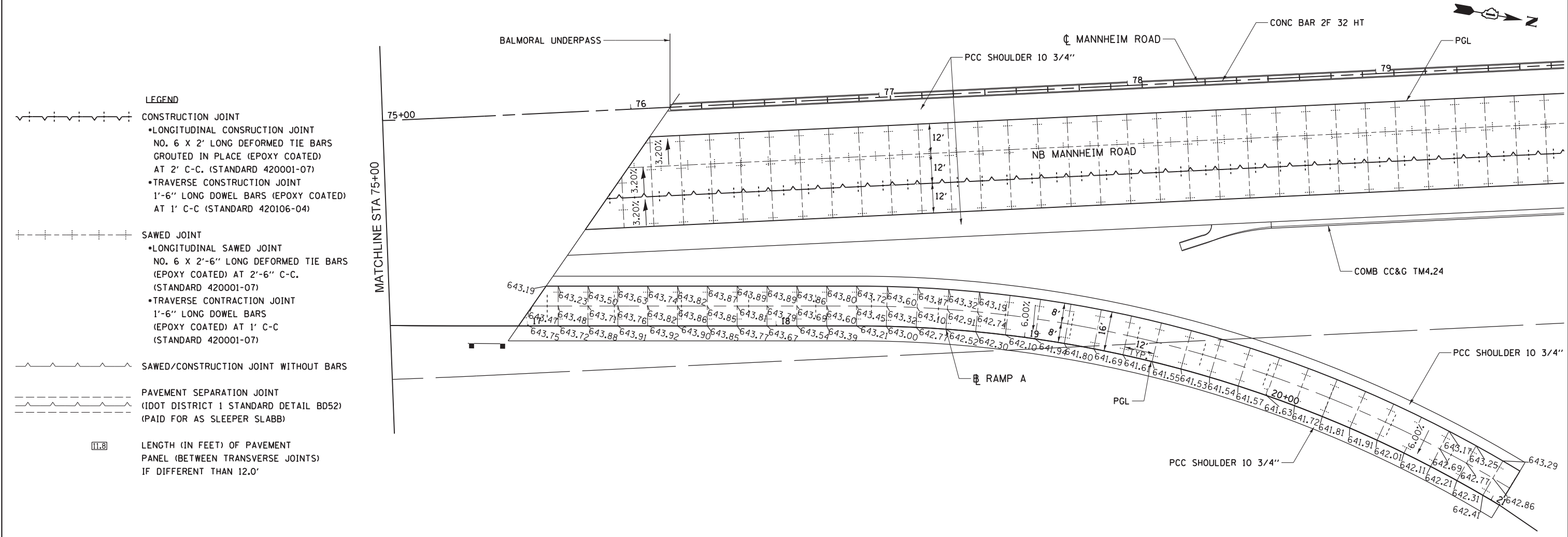
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	83
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G37	

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MATCHLINE STA 75+00

- 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 SLABB)
 - LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 12.0'

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN
RAMP A**

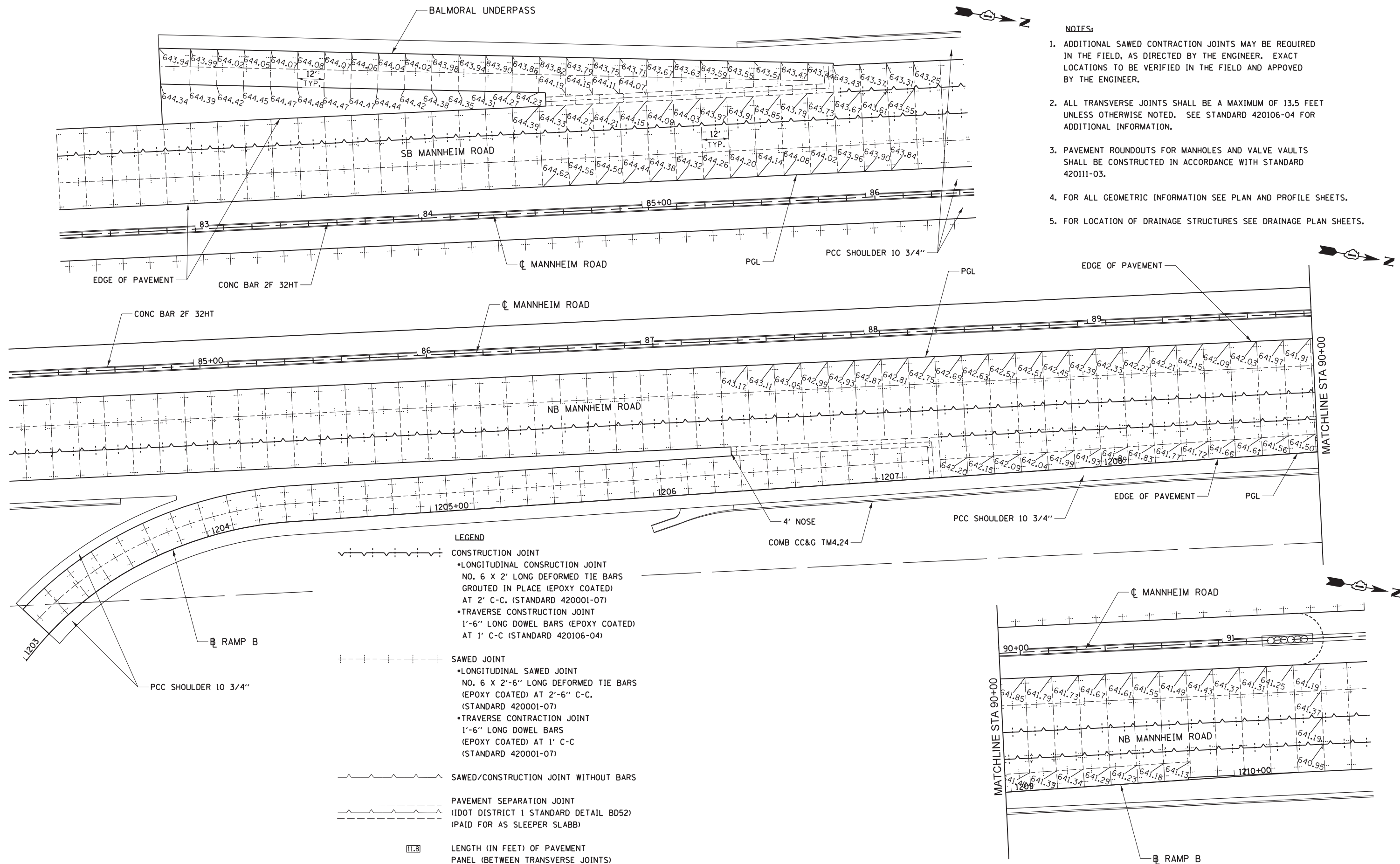
SCALE: 1" = 20' SHEET NO. 3 OF 7 SHEETS STA. XX+XX.XX TO STA. XX+XX.XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	84
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

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

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- 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.
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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 B052) (PAID FOR AS SLEEPER SLABB)

11.8 LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 12.0'

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

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DEPARTMENT OF TRANSPORTATION**

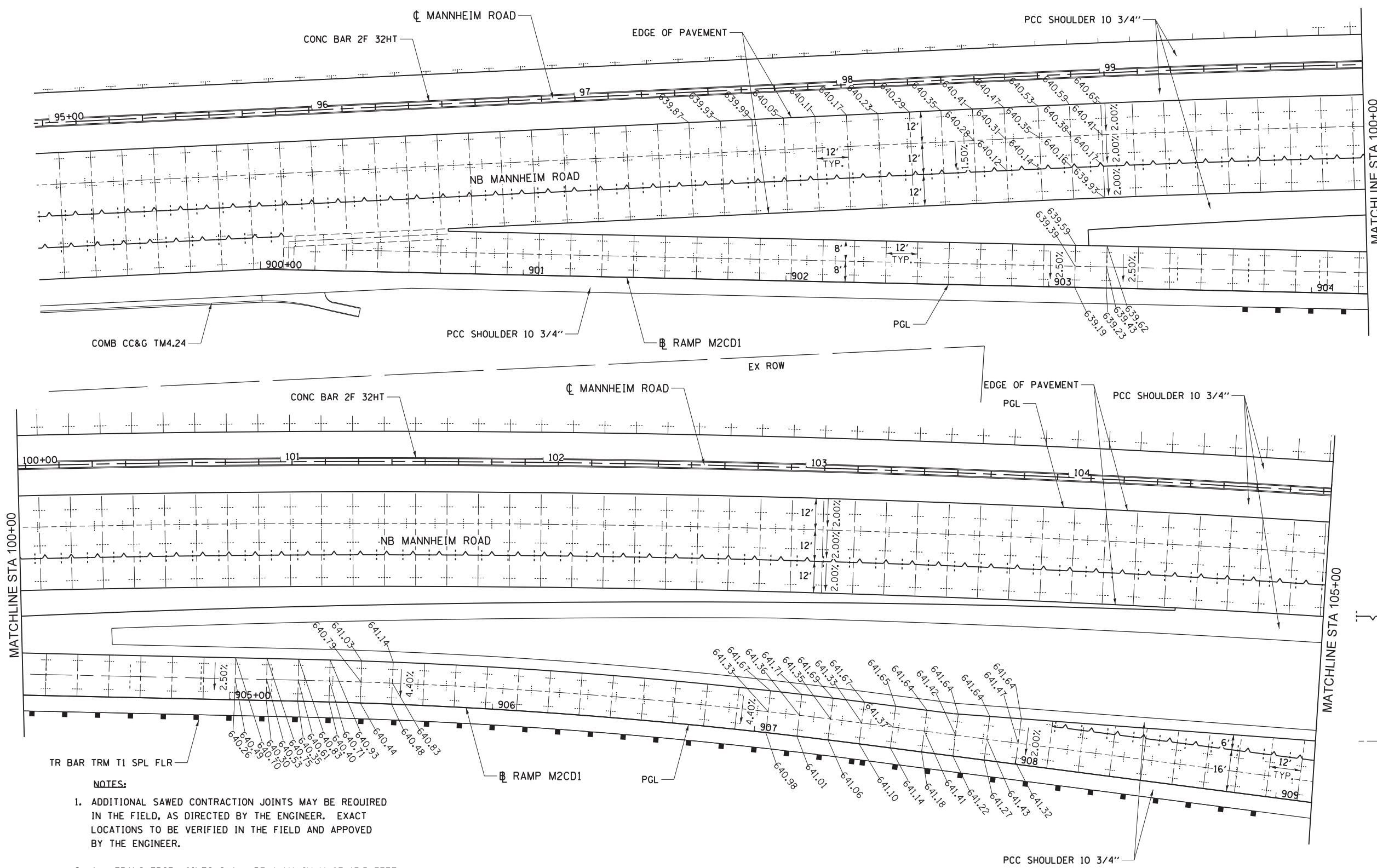
**JOINTING PLAN
RAMP B AND BALMORAL UNDERPASS**

SCALE: 1" = 20' SHEET NO. 4 OF 7 SHEETS STA. XX+XX.XX TO STA. XX+XX.XX

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 85
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60G37

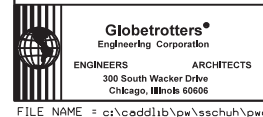
JP-4

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- 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 SLABB)
 - LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 12.0'

- NOTES:**
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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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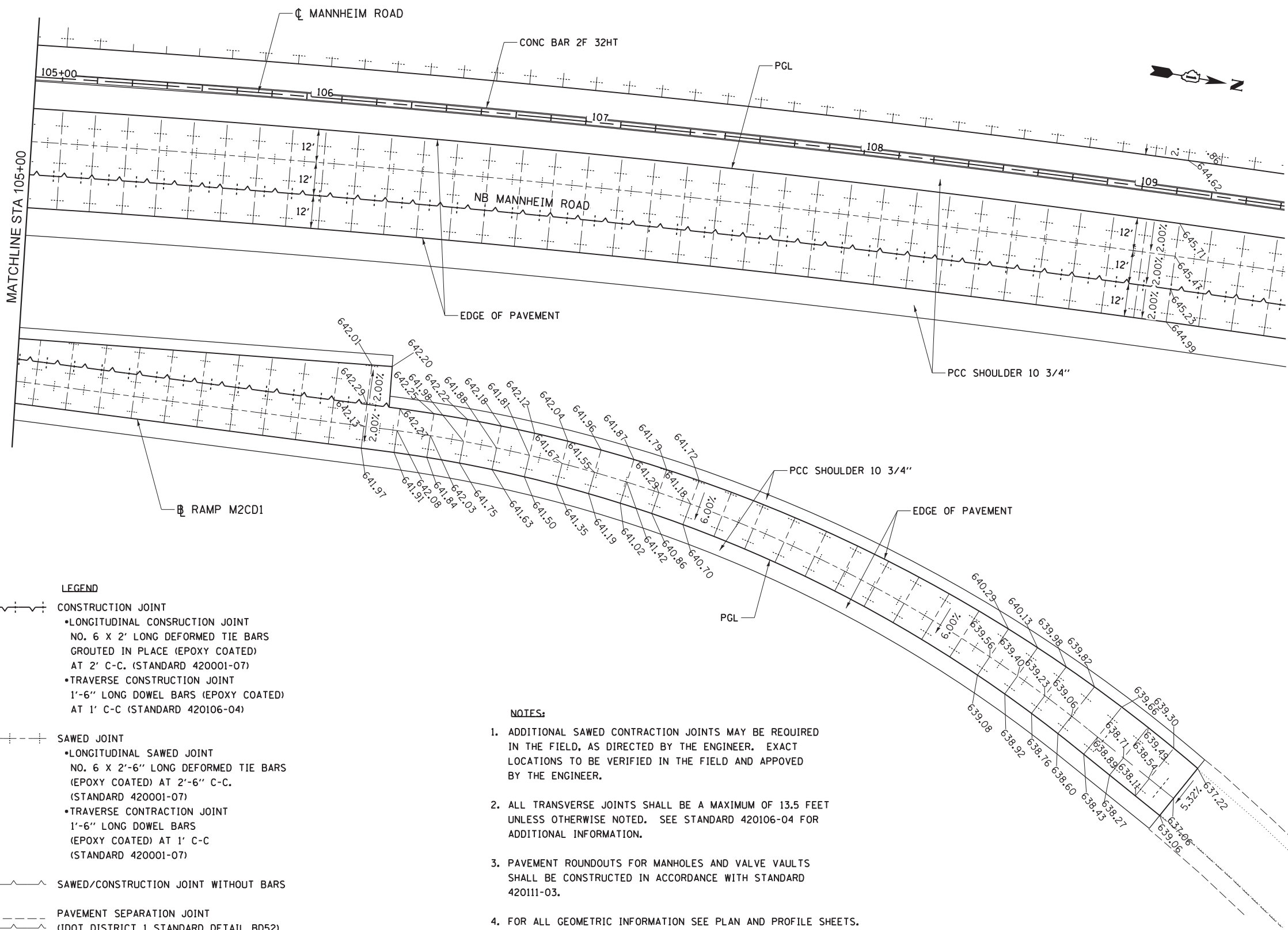
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN
RAMP M2CD1**

SCALE: 1" = 20' SHEET NO. 5 OF 7 SHEETS STA. XX+XX.XX TO STA. XX+XX.XX

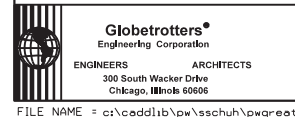
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	86
CONTRACT NO. 60C37				
ILLINOIS FED. AID PROJECT				

JP-5



- 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 SLABB)
 - 11.8** LENGTH (IN FEET) OF PAVEMENT
PANEL (BETWEEN TRANSVERSE JOINTS)
IF DIFFERENT THAN 12.0'

- NOTES:**
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 5. FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.



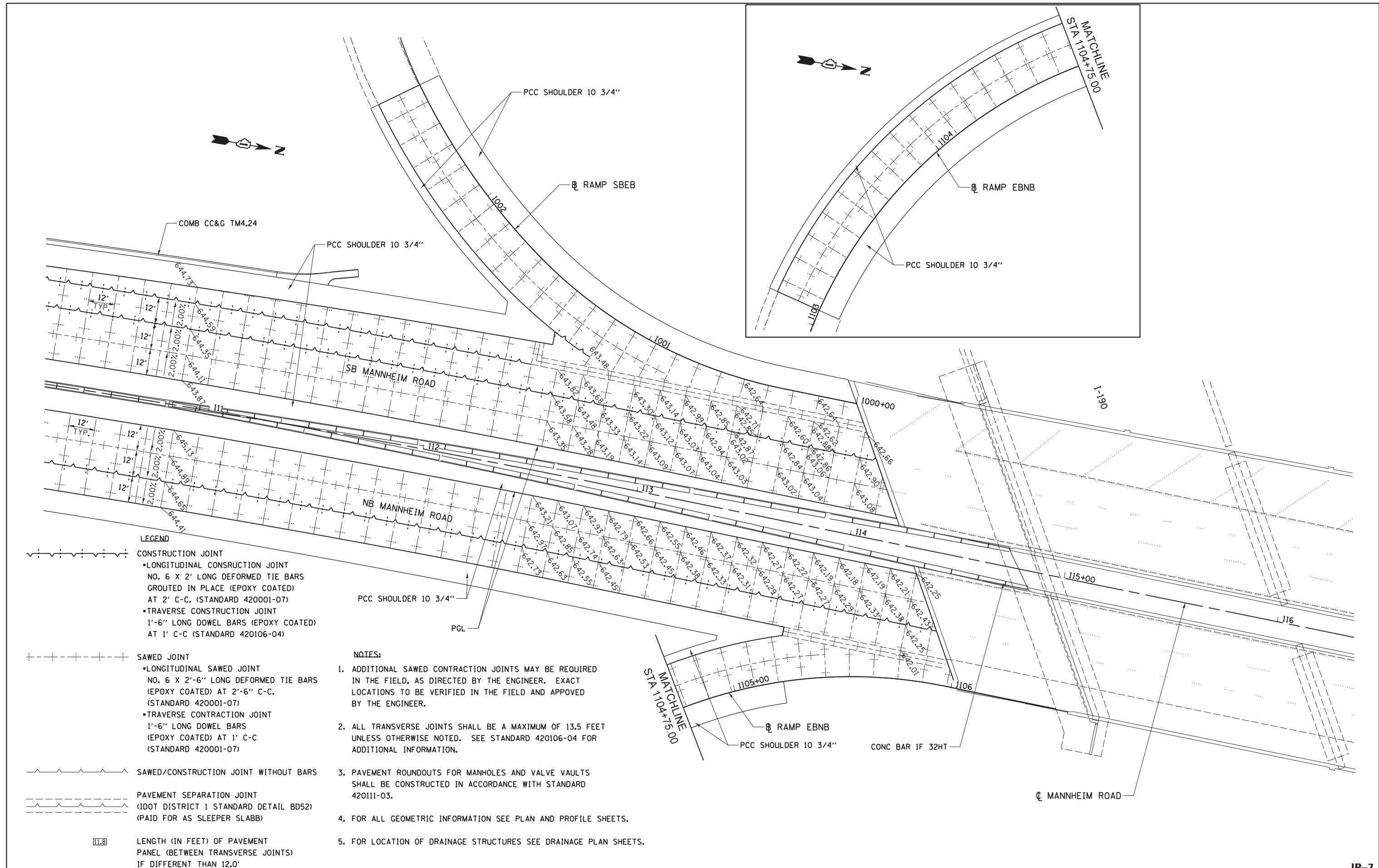
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DEPARTMENT OF TRANSPORTATION**

JOINTING PLAN RAMP M2CD1		
SCALE: 1" = 20'	SHEET NO. 6 OF 7 SHEETS	STA. XX+XX.XX TO STA. XX+XX.XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	87
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

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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)

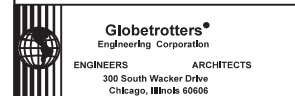
SAWED/CONSTRUCTION JOINT WITHOUT BARS

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

11.8 LENGTH (IN FEET) OF PAVEMENT
 PANEL (BETWEEN TRAVERSE JOINTS)
 IF DIFFERENT THAN 12.0'

NOTES:

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- FOR LOCATION OF DRAINAGE STRUCTURES SEE DRAINAGE PLAN SHEETS.



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN
 RAMP SBEB AND RAMP EB NB**
 SCALE: 1" = 20' SHEET NO. 7 OF 7 SHEETS STA. XX+XX.XX TO STA. XX+XX.XX

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 88
CONTRACT NO. 60G37				
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 RAMP DETOUR STAGING SHALL BE COORDINATED WITH THE CONTRACTOR ON THE ADJACENT CONTRACT NO. 60P35.
- 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 DROPOFF 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 DURING NON-WORKING HOURS AND PEAK TRAFFIC VOLUME HOURS AS SPECIFIED IN THE SPECIAL PROVISIONS.
- A MINIMUM OF ONE LANE (10' MINIMUM) IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC ALONG MONTROSE AVENUE AND LAWRENCE AVENUE 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
	≥ 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILE OR < 48 HOURS (5)	TEMPORARY TRAFFIC BARRIER BETWEEN TRAVEL LANE AND DROP OFF
	ALL	> 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
ALL	> 24 IN (5)	TEMPORARY TRAFFIC BARRIER BETWEEN TRAVEL LANE AND DROP OFF	
> 8 FT FROM EDGE OF TRAVEL LANE TO WORK ZONE CLEAR ZONE (3)	< 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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
GENERAL NOTES AND DROP OFF SCHEDULES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	89
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

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

MOT-01

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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 LAWRENCE AVE.
6. CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT MONTROSE AVE AND LAWRENCE AVE.
7. CONSTRUCT TEMPORARY RAMPS FOR NB MANNHEIM RD ACCESS TO EB I-190 AS SHOWN ON THE PLANS.

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 EASTBOUND LAWRENCE AVENUE PAVEMENT, CURB AND GUTTER.
3. CONSTRUCT EAST PORTION OF BALMORAL UNDERPASS BRIDGE AND PAVEMENT AS SHOWN IN THE PLANS.
4. CONSTRUCT NB MANNHEIM RD TO BALMORAL AVE EXIT RAMP PAVEMENT.
5. CONSTRUCT BALMORAL AVE TO NB MANNHEIM ROAD ENTRANCE RAMP PAVEMENT.
6. CONSTRUCT NB MANNHEIM RD EXIT RAMP PAVEMENT TO I-190 EB 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 MANNHEIM RD TRAFFIC TO WIDENED EXISTING SB PAVEMENT BETWEEN IRVING PARK ROAD AND I-190.

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 NB MANNHEIM RD TO BALMORAL AVE EXIT RAMP, AND BALMORAL AVE TO NB MANNHEIM RD, ENTRANCE RAMP AS SHOWN ON THE PLANS.
7. CLOSE NB MANNHEIM RD TO BALMORAL EXIT RAMP AND BALMORAL AVENUE TO NB MANNHEIM ROAD ENTRANCE RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.
8. SHIFT NB MANNHEIM RD TRAFFIC TO WIDENED EXISTING SB PAVEMENT BETWEEN IRVING PARK ROAD AND I-190.
9. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT. UTILIZE TEMPORARY RAMP FOR NB MANNHEIM RD TRAFFIC ACCESS TO I-190 INTERCHANGE RAMP.
10. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR COLLECTOR -DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE NB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM INTERCHANGE.

STAGE 1 - SUB-STAGE A

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT CENTER PORTION OF LAWRENCE AVENUE PAVEMENT AS SHOWN ON THE PLANS.
3. CONTINUE CONSTRUCTION OF BALMORAL UNDERPASS BRIDGE AND PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

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

STAGE 1 - SUB-STAGE B

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT WB PORTION OF LAWRENCE AVENUE PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.
3. COMPLETE CONSTRUCTION OF EAST PORTION OF BALMORAL UNDERPASS BRIDGE.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT THE LOCATION OF NB MANNHEIM RD TRAFFIC TO THE C-D ROADWAY IN NB DIRECTION INTERCHANGE FOR ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
4. OPEN BALMORAL AVE RAMP TO NB MANNHEIM RD TO TRAFFIC AND REMOVE DETOUR SIGNING. OPEN EB I-190 TO NB MANNHEIM RD RAMP TO TRAFFIC AND REMOVE OR COVER DETOUR SIGNING.

STAGE 1 - SUB-STAGE C

CONSTRUCTION:

1. CONSTRUCT REMAINING PORTION OF NB LT SHOULDER 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 THE NEW NB PAVEMENT AND SHOULDERS.

STAGE 2

CONSTRUCTION:

1. CONSTRUCT SB PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT WB PORTION OF MONTROSE AVENUE PAVEMENT, CURB AND GUTTER 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
5. ERECT EB I-190 TO NB MANNHEIM RD DETOUR SIGNING AS SHOWN IN THE PLANS.
6. CLOSE EB I-190 TO NB MANNHEIM RD RAMP, DETOUR TRAFFIC AS SHOWN ON THE PLANS.

STAGE 2 - SUB-STAGE A

CONSTRUCTION

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT SB MANNHEIM RD TO EB I-190 EXIT RAMP AS SHOWN ON THE PLANS.
3. CONSTRUCT RAMP F TO SB MANNHEIM RD ENTRANCE RAMP AS SHOWN ON THE PLANS.
4. CONSTRUCT THE CENTER PORTION OF MONTROSE AVENUE AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. ERECT DETOUR SIGNING FOR SB MANNHEIM RD TO EB I-190 RAMP AS SHOWN ON THE PLANS.
3. CLOSE SB MANNHEIM RD TO EB I-190 EXIT RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.
4. ERECT DETOUR SIGNING FOR RAMP F TO SB MANNHEIM RD ENTRANCE RAMP AS SHOWN ON THE PLANS.

5. CLOSE RAMP F TO SB MANNHEIM RD ENTRANCE RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.
6. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON THE NEW NB PAVEMENT AND SHOULDERS.

STAGE 2 - SUB-STAGE B

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT EB PORTION OF MONTROSE AVE PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. OPEN SB MANNHEIM RD TO EB I-190 RAMP AND RAMP F TO SB MANNHEIM ROAD ENTRANCE RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING AND OPEN EB I-190 TO NB MANNHEIM ROAD RAMP TO TRAFFIC AND REMOVE OR COVER DETOUR SIGNING.
3. SHIFT SB MANNHEIM ROAD TRAFFIC FROM THE NEW NB PAVEMENT AND SHOULDER TO THE NEW SB PAVEMENT AT THE I-190 INTERCHANGE AS SHOWN ON THE PLANS.
4. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON THE NEW NB PAVEMENT AND SHOULDERS.

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.
4. ERECT OR UNCOVER DETOUR SIGNING FOR EB I-190 TO NB MANNHEIM RD EXIT RAMP AS SHOWN ON THE PLANS.
5. CLOSE EB I-190 TO NB MANNHEIM RD RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

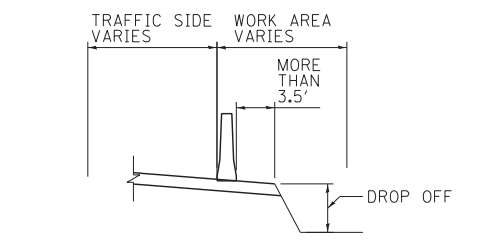
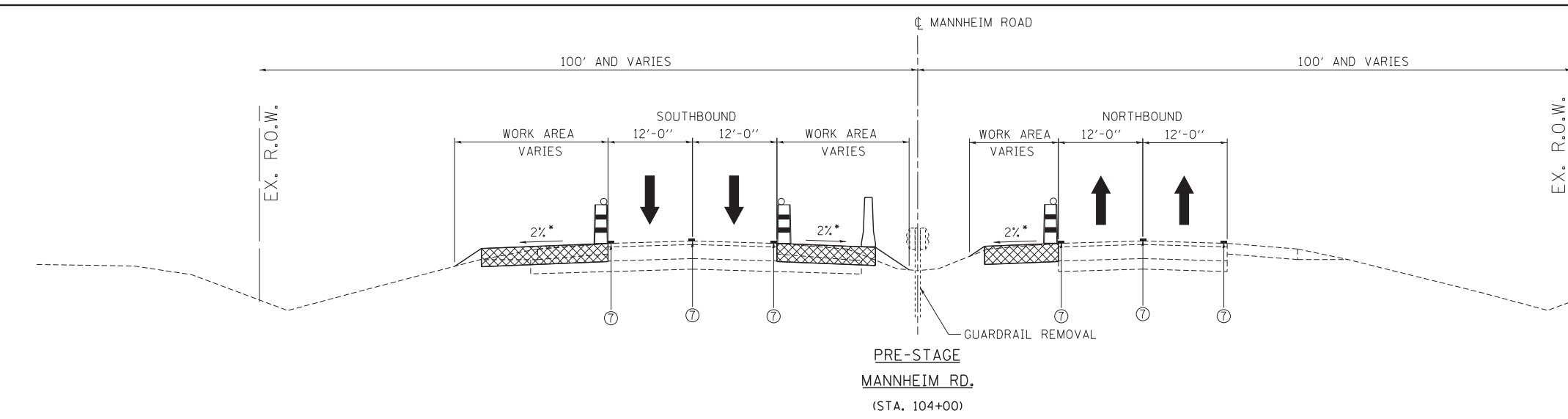
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SUGGESTED STAGING**

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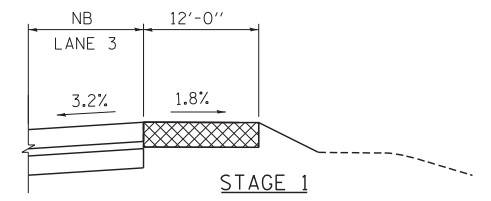
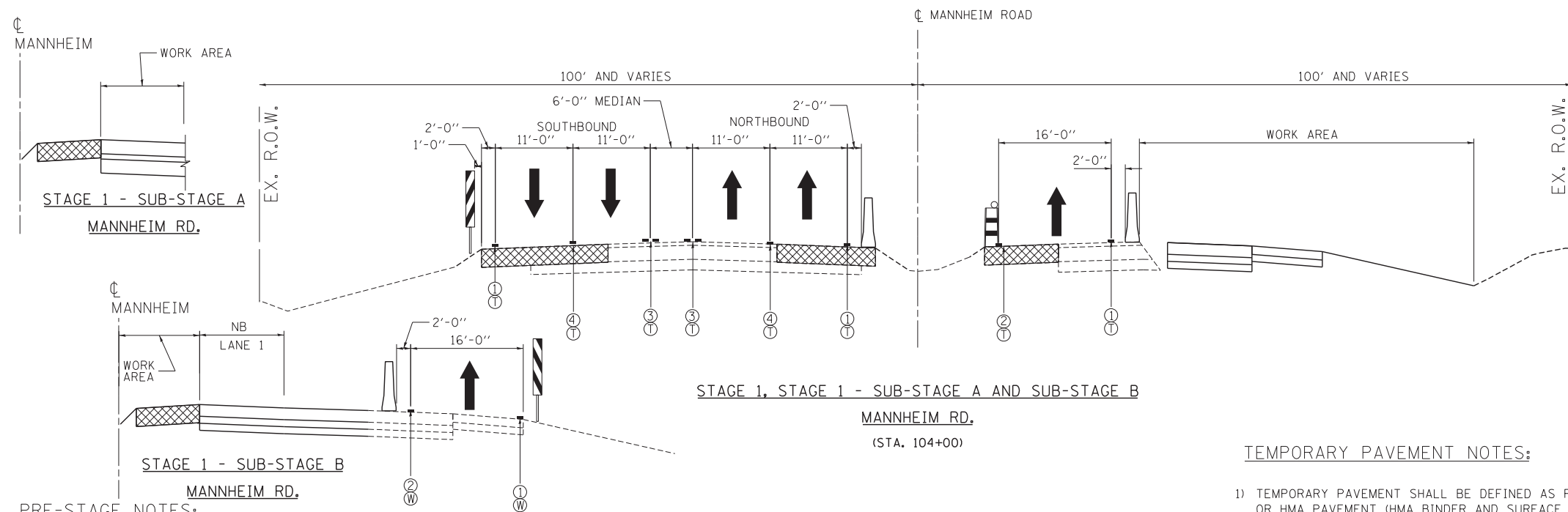
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	0105 WRS&HB	COOK	605	90
CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	

MOT-02





DETAIL "A"
SEE TEMPORARY CONCRETE BARRIER NOTE 1.



STAGE 1
MANNHEIM RD.
(STA. 42+00 to STA. 57+00)

PRE-STAGE NOTES:

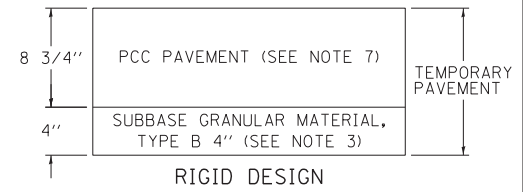
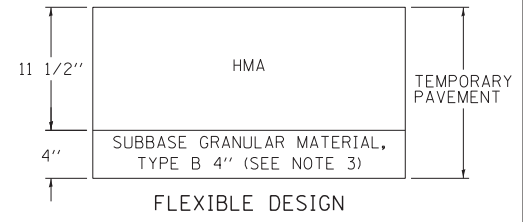
- 1) CONSTRUCT TEMPORARY PAVEMENT TO ACCOMMODATE TRAFFIC FOR THE NEXT STAGE WITH DAILY LANE CLOSURES DURING NON-PEAK HOURS.
- 2) MATCH EXISTING CROSS SLOPE IN SUPER ELEVATED SECTIONS.
- 3) THE "DROP OFF BETWEEN TRAVEL LANE AND SHOULDER/ EDGE OF PAVEMENT" TABLE SPECIFIES THE PHYSICAL TREATMENT REQUIRED 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:

- 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"

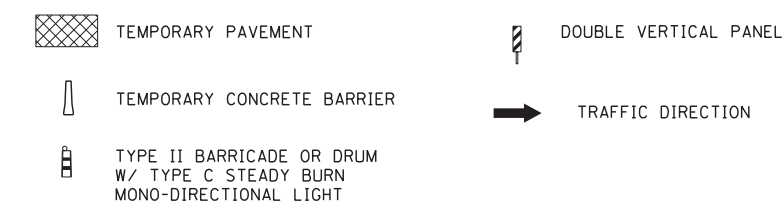
TEMPORARY PAVEMENT NOTES:

- 1) TEMPORARY PAVEMENT SHALL BE DEFINED AS PORTLAND CEMENT CONCRETE OR HMA PAVEMENT (HMA BINDER AND SURFACE COURSE) 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.



TEMPORARY PAVEMENT DETAIL

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)

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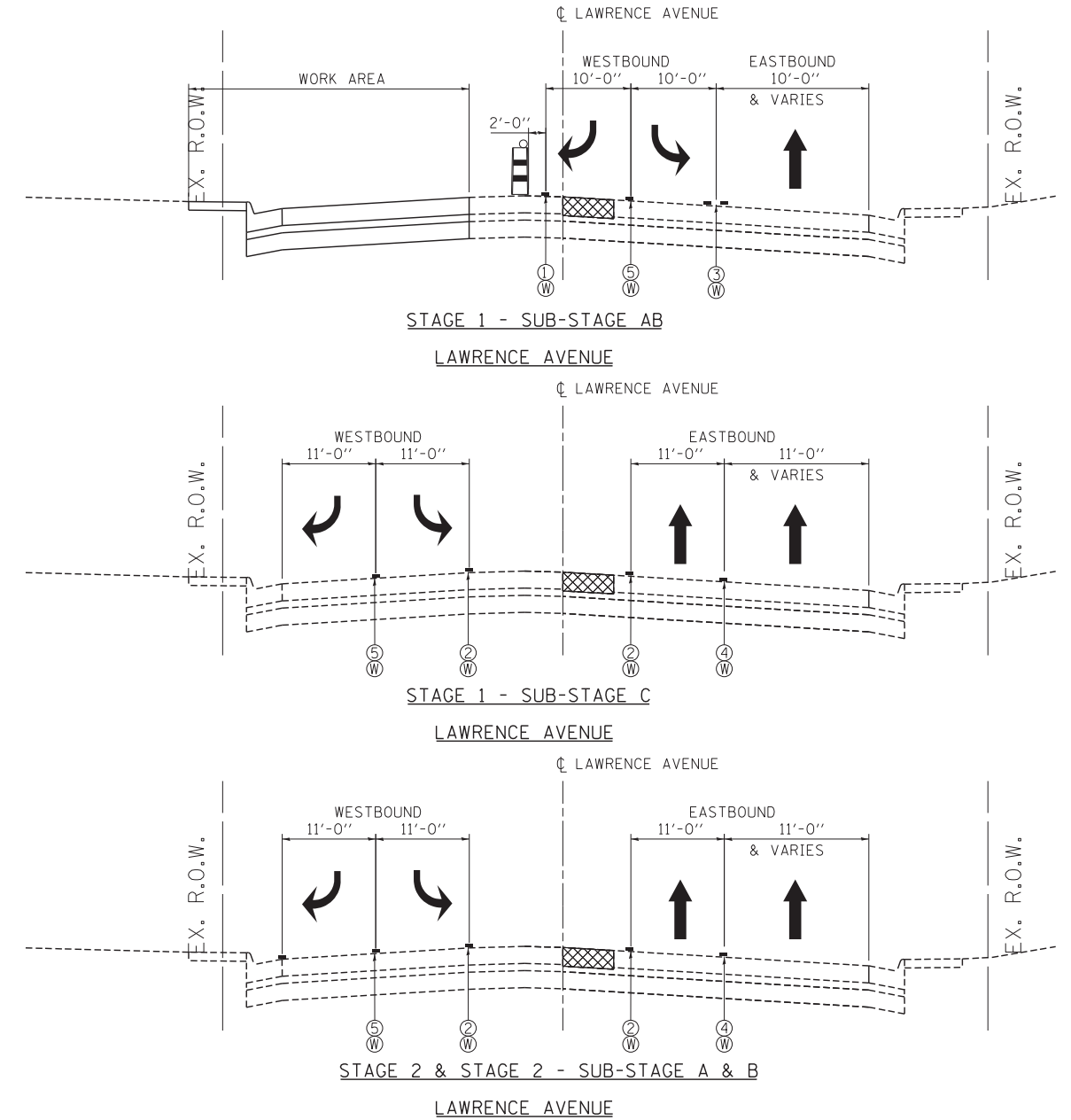
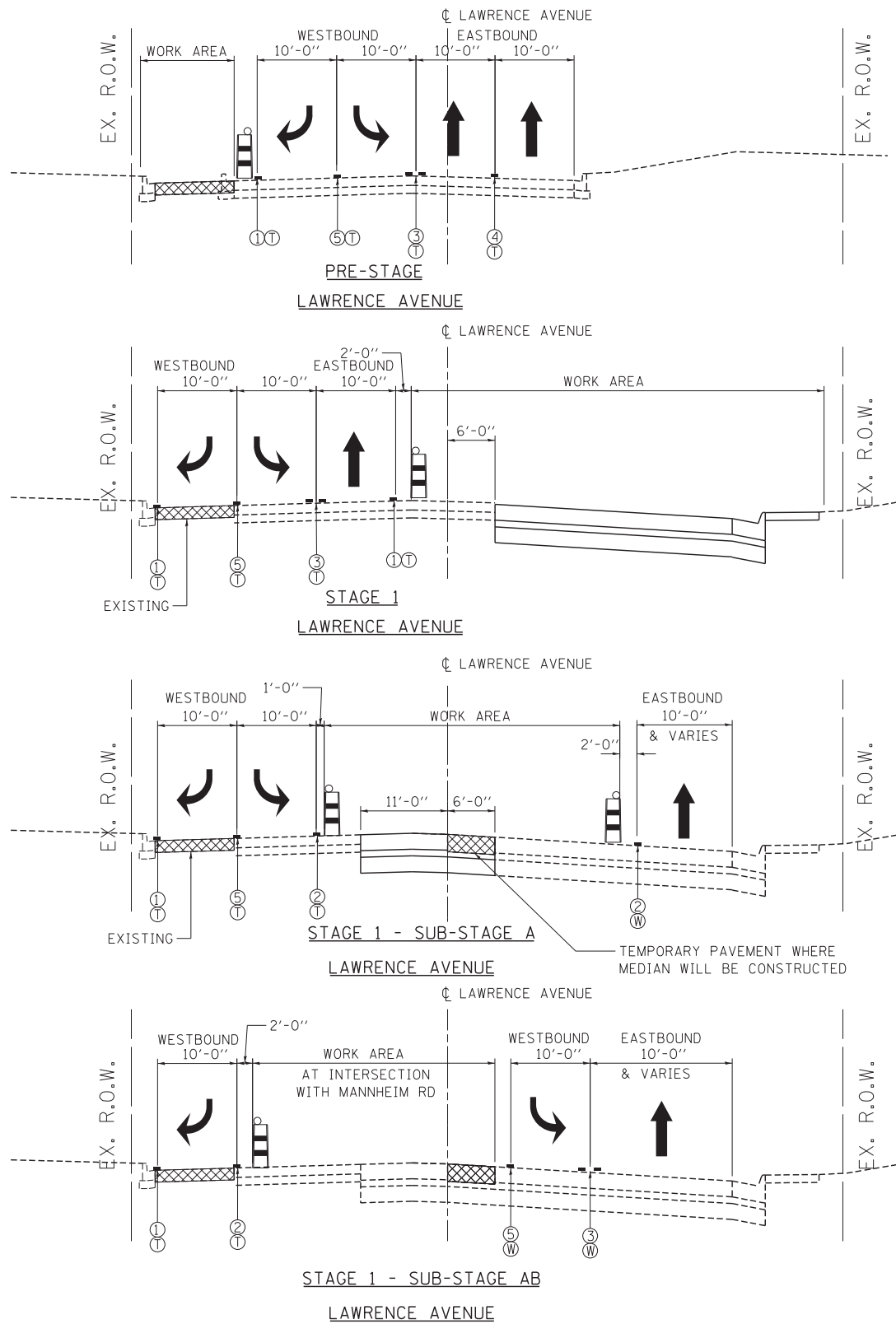
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	91
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-03



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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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
LAWRENCE AVENUE**

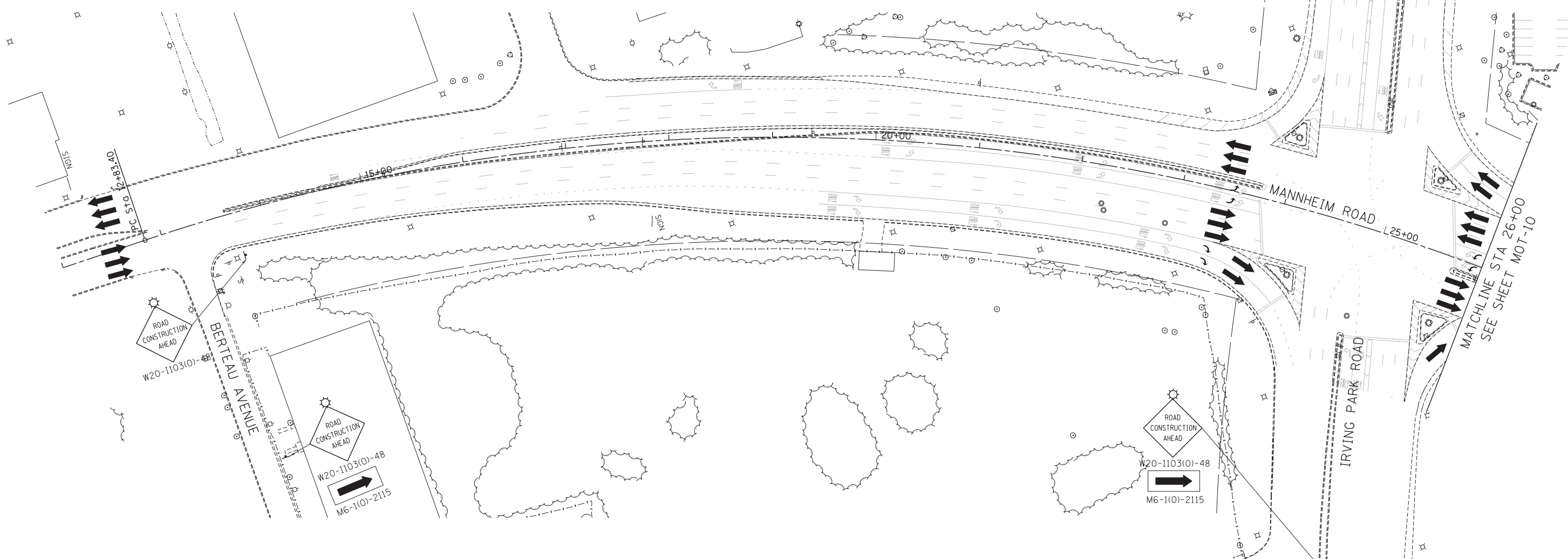
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	95
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-07

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)
					RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)
						⑥	PVT MK - LTRS & SYMB		

\D:\60637-ALIGNMENT.DGN, \D:\60637-LAYOUT.DGN, \D:\60637-TOP.DGN, \D:\60637-ROW.DGN, \D:\60637-STAGINGP.DGN, \D:\60637-STAGINGP.DGN, \D:\60637-BORDER.DGN
 10-18-2012, 13:17:53 BAJZEKJ F:\DOC\EXP\CHI-00012584-02\COMMON\FSET\TEMP\SHET.PLOT\DI60637-SHT-STAGINGP_1.DGN

FILE NAME =	USER NAME = *USER*	DESIGNED - BRH	REVISED -
*FILE#		DRAWN - JZP	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PRE-STAGE			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 12+00 TO STA. 26+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	97
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-09

