

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	1
ILLINOIS CONTRACT NO. 60L72				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**



LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS LOCATED IN THE VILLAGE OF ORLAND PARK, ORLAND TOWNSHIP, AND COOK COUNTY

H.W. LOCHNER, INC.
MICHAEL G. ZORN, P.E.
*062-055448
DATE: 10/21/14
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
1-64, 70-227, 268-317,
728-1045
EXPIRATION DATE: 11-30-2015

EJM ENGINEERING, INC.
ROBERT P. ISRAEL, P.E.
*062-044817
DATE:
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
316-363
EXPIRATION DATE: 11-30-2015

H.W. LOCHNER, INC.
JIANGNING HONG, S.E.
*081006053
DATE: 10/21/14
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
364-365, 379-705
EXPIRATION DATE: 11-30-2014

EJM ENGINEERING, INC.
ROBERT A. SWANSON, P.E.
*062-058800
DATE: 10/22/14
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
366-378
EXPIRATION DATE: 11-30-2015

MILLENNIA PROFESSIONAL SERVICES
LANCE VINSEL, P.L.S.
*2891
DATE: 10/22/14
SIGNATURE AND SEAL
APPLY TO DRAWINGS:
65-69
EXPIRATION DATE: 11-30-2014

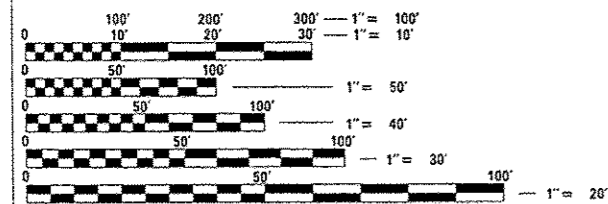
FAP ROUTE 351: US 6 / IL 7 (159TH ST.)
WILLCOOK RD. TO RAVINIA AVE.
SECTION: 2010-081-R
PROJECT: ACNHPP-0351(028)
RECONSTRUCTION, ADD LANES, AND BRIDGE REPLACEMENT
COOK COUNTY
C-91-011-11

IL RTE 7/U.S. RTE 6 (159TH ST)
OTHER PRINCIPAL ARTERIAL
EXISTING ADT (2010) 17,700 TO 22,100
PROPOSED ADT (2030) 25,000 TO 33,000
DESIGN SPEED = 45 MPH
POSTED SPEED = 40 TO 45 MPH

WOLF RD
MINOR ARTERIAL
EXISTING ADT (2010) 17,300
PROPOSED ADT (2030) 18,000
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

108TH AVE
COLLECTOR
EXISTING ADT (2010) 9,300
PROPOSED ADT (2030) 10,000
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

104TH AVE
COLLECTOR
EXISTING ADT (2010) 6,600
PROPOSED ADT (2030) 11,000
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

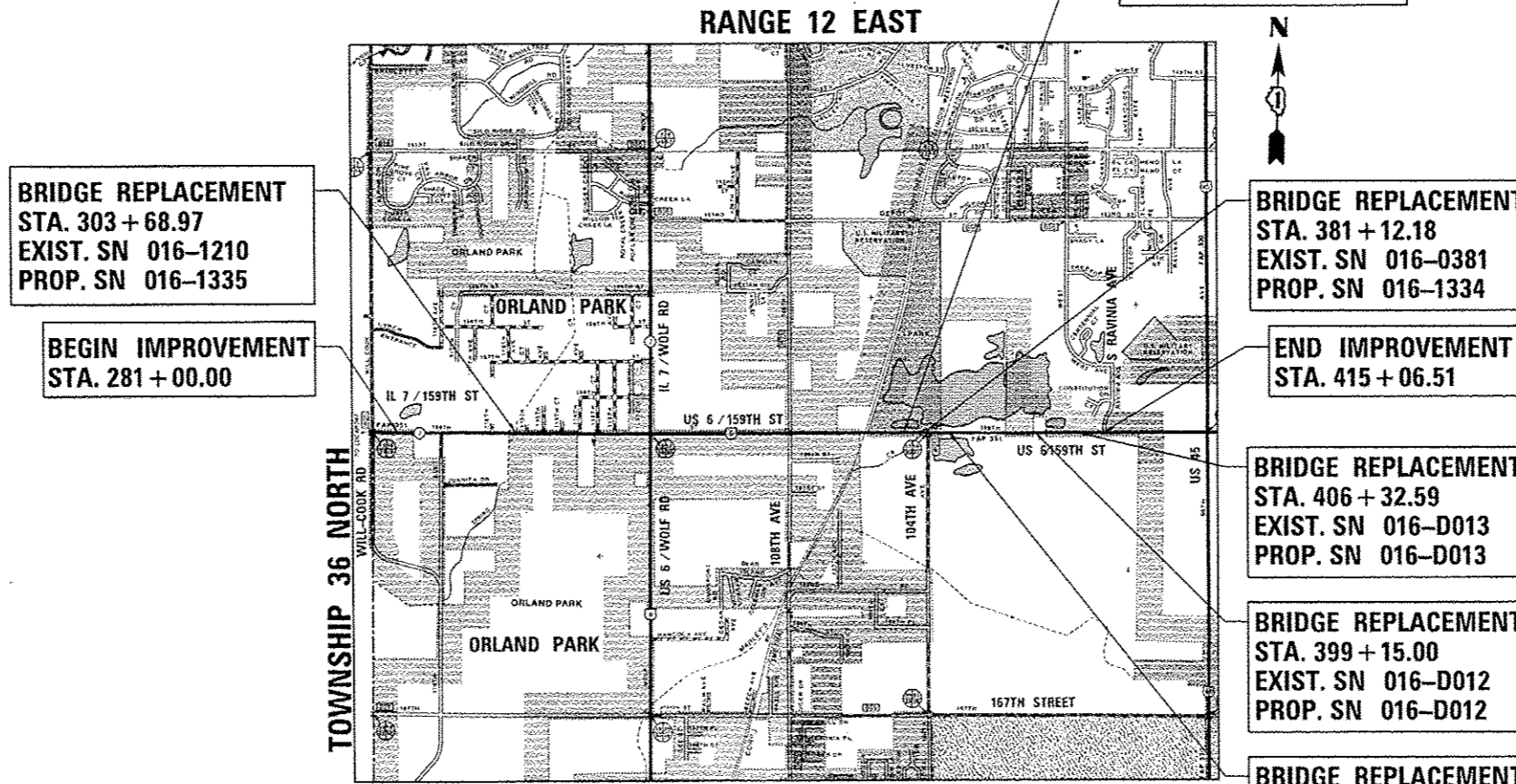


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: CRAIG BAUER (847) 705-4265
PROJECT MANAGER: LONG TRAN (847) 705-4232

CONTRACT NO. 60L72



BRIDGE REPLACEMENT
STA. 303 + 68.97
EXIST. SN 016-1210
PROP. SN 016-1335

BEGIN IMPROVEMENT
STA. 281 + 00.00

BRIDGE REPLACEMENT
STA. 376 + 05.00
EXIST. SN 016-D010
PROP. SN 016-D010

BRIDGE REPLACEMENT
STA. 381 + 12.18
EXIST. SN 016-0381
PROP. SN 016-1334

END IMPROVEMENT
STA. 415 + 06.51

BRIDGE REPLACEMENT
STA. 406 + 32.59
EXIST. SN 016-D013
PROP. SN 016-D013

BRIDGE REPLACEMENT
STA. 399 + 15.00
EXIST. SN 016-D012
PROP. SN 016-D012

BRIDGE REPLACEMENT
STA. 386 + 30.55
EXIST. SN 016-D011
PROP. SN 016-D011

LOCHNER
H.W. LOCHNER, INC.
CONSULTING ENGINEERS & PLANNERS
225 WEST WASHINGTON STREET, 12TH FLOOR
CHICAGO, IL 60606

GROSS LENGTH = 13,406.51 FT. = 2.539 MILE
NET LENGTH = 13,346.76 FT. = 2.528 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED: October 23, 2014
John Faustmann, Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Nov 14, 2014
John D. Baranzelli, PE
ENGINEER OF DESIGN AND ENVIRONMENT
Nov 14, 2014
Omar Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS (CONT'D)

STANDARD NO.	TITLE
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600MM) FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701426-07	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45MPH
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEED <= 40MPH
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	LANE CLOSURE, MULTILANE, INTERSECTION
701801-05	LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	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)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS
814001-03	HANDHOLES
877011-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'

DISTRICT STANDARDS

STANDARD NO.	TITLE
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 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-36	FIRE HYDRANT TO BE MOVED
BD-48	PCC PAVEMENT ROUNDOUTS AT CURB & GUTTER
BD-51	BENCHING CONSTRUCTION DETAIL
BD-52	DETAIL OF PAVEMENT SEPERATION, JOINT FOR JOINTED PAVEMENTS AT INTERSECTIONS
BD-56	PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING
BE-215	LIGHTING CONTROLLER SINGLE DOOR
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-310	LIGHT POLE FOUNDATION, OFFSET 40' (12.192 m) TO 47' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
BE-400	LIGHT POLE, ALUMINUM, TRUSS TYPE, 47.5 FT. M.H.
BE-702	MISCELLANEOUS DETAILS, SHEET A- CABLE SPLICE, POLE WIRING, TRENCH DETAIL
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
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-18	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-23	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
TC-25	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)

FILE NAME : D:\DL72\ht-gennote.dgn	USER NAME : rdonley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & HIGHWAY STANDARDS	F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 3	
#MODELNAME#	PLOT SCALE : 1/100	CHECKED -	REVISED -			SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60L72	
	PLOT DATE : 10/22/2014	DATE - 10/28/14	REVISED -								

GENERAL NOTES

1. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
2. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
3. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
4. THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING OR PROPOSED DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
5. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED ON THE PLANS.
6. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO EXCAVATION.
7. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ORLAND PARK.
8. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
9. TEN FOOT (10) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
10. DURING CONSTRUCTION, AGGREGATE FOR TEMPORARY ACCESS WILL ALSO BE USED TO PROVIDE TEMPORARY RAMPS AT INTERSECTIONS, BUILDING ENTRANCES, AND AS DETERMINED BY THE ENGINEER FOR PEDESTRIAN MOVEMENT.
11. REMOVAL OF EXISTING AGGREGATE SHOULDERS AND AGGREGATE DRIVEWAYS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.
12. THE OFFSETS TO DRAINAGE STRUCTURES ARE TO THE CENTER OF THE STRUCTURE. THE RIM ELEVATIONS FOR DRAINAGE STRUCTURES LOCATED WITHIN CURB AND GUTTER ARE AT THE EDGE OF PAVEMENT. THE RIM ELEVATIONS FOR DRAINAGE STRUCTURES LOCATED OUTSIDE THE CURB AND GUTTER ARE TO THE CENTER OF STRUCTURE (CONCENTRIC STRUCTURE ASSUMED FOR CALCULATION OF RIM ELEVATION).
13. THE FRAME AND LIDS FOR MANHOLES LOCATED ALONG THE MULTI USE PATH SHALL BE LOCATED BEYOND THE PATH PAVEMENT LIMITS (ECCENTRIC MANHOLES SHALL BE USED ADJACENT TO PATH).
14. CONTACT PATRICE HARRIS AT (708) 597-9800, TWO WEEKS PRIOR TO INSTALLING PERMANENT PAVEMENT MARKINGS.
15. PROPERTY OWNERS OF THE DRIVEWAYS SCHEDULED TO BE CLOSED NEED TO BE GIVEN A FORMAL NOTIFICATIONS.
16. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
17. STATE HIGHWAY STANDARD 420501-04, "PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING", SHALL BE MODIFIED TO SHOW A MINIMUM 6 FOOT WIDTH FOR THE HMA PLUG BETWEEN THE NEW PCC PAVEMENT AND THE RAILROAD CROSSING SURFACE.
18. THE CONTRACTOR IS REQUIRED TO TAKE CORES OF THE EXISTING PAVEMENT EVERY 100' +/- PRIOR TO PAVEMENT REMOVAL. THE AVERAGE THICKNESS OF THE CORES WILL BE COMPARED TO THE ASSUMED THICKNESSES SHOWN IN THE PLANS AS A BASIS FOR ADJUSTING THE QUANTITIES FOR PAYMENTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

GENERAL NOTES (CONT'D)

19. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

SHORT TERM PAVEMENT MARKING MIXTURE FOR CRACKS, JOINTS & FLANGEWAYS	10	FT/100 FT OF APPLICATION
SUPPLEMENTAL WATERING	3	GAL/50 YD/APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

20. THE CONTRACTOR SHALL MAINTAIN EXISTING STREET ACCESS AND EXISTING DRIVEWAY ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS OTHERWISE NOTED ON THE PLANS.
21. THE CONTRACTOR SHALL MAINTAIN BUS STOPS ENCOUNTERED WITHIN THE PROJECT AREA WITH AT LEAST A HARD SURFACE FOR WAITING AND A PAD FOR BOARDING AND ALIGNING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH PACE AND OTHER BUS SERVICES THE MAINTENANCE OF THE BUS STOPS ALONG THE CONSTRUCTION ROUTE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT BE CONSIDERED AS INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
22. PRESERVE SECTION AND 1/4 SECTION MARKERS WITHIN PROJECT LIMITS.
23. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) 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 302.04 (01/01/2012) AND THE IDOT SUBGRADE STABILITY MANUAL (05/01/2005). IF UNSTABLE AND/OR UNSUITABLE SOILS IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
24. ALL PIPE UNDERDRAINS SHALL BE PLACED AT THE DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH CHECK SHEET *19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAIN ITEM.
25. THE CASINGS FOR THE TRAFFIC SIGNAL CONDUIT AND FIBER OPTIC CONDUIT MUST HAVE A MINIMUM WALL THICKNESS OF AT LEAST 0.188 IN. THE TRAFFIC SIGNAL AND FIBER OPTIC CROSSINGS MUST BE INSTALLED TO A DEPTH OF AT LEAST 10 FT BELOW GRADE TO AVOID CONFLICT WITH THE CROSSING GATE FOUNDATION.

IN-STREAM WORK NOTE

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT ONE

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

FILE NAME : 016DL72-shr-gennote.dgn	USER NAME : rdonley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 4	
#MODELNAME#	PLOT SCALE : 1/100	DRAWN -	REVISED -			SCALE:	SHEET 3	OF 3	SHEETS	STA.	TO STA.
	PLOT DATE : 10/22/2014	CHECKED -	REVISED -								
		DATE : 10/28/14	REVISED -								
ILLINOIS FED. AID PROJECT											

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN																						
				ROADWAY URBAN		BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS			
				0003	0040	SPRING CREEK 016-1335	MARLEY CREEK 016-1334	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	0021				002B	0043	#1 0040	#2 0040
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	23	23																						
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	48	48																						
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	795	795																						
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	66	66																						
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	398	398																						
44213200	SAW CUTS	FOOT	3,482	3,482																						
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SO YD	575	575																						
48101610	AGGREGATE SHOULDERS, TYPE B 9"	SO YD	267	267																						
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SO YD	527	527																						
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SO YD	631	631																						
48300300	PORTLAND CEMENT CONCRETE SHOULDERS 8"	SO YD	595	595																						
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SO YD	890	890																						
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1				1																			
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1					1																		

* DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	LIRBAN																SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS				
				ROADWAY URBAN	BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS						LIGHTING	#1	#2			#3				
				0003	SPRING CREEK 016-1335	MARLEY CREEK 016-1334	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT							159TH ST & RAVINIA AVE.	0021	0028	0043
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPO	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	PDUND	7,100				2,370	2,580	1,290	860																
50500505	STUD SHEAR CONNECTORS	EACH	130																						130	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,455,090		120,250	89,170	526,620	789,220	356,980	162,530														3,630	4,110	402,580
50800515	BAR SPLICERS	EACH	1100		218	193		689																		
50800520	MECHANICAL SPLICERS	EACH	1089					1089																		
50901750	PARAPET RAILING	FOOT	67		67																					
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	1,948																					1,948		
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	89,953				21,644	27,556	10,913	5,814																24,026
51201800	FURNISHING STEEL PILES HP14X73	FOOT	683																						683	
51202305	DRIVING PILES	FOOT	91,901				21,644	27,556	10,913	5,814														1,948		24,026
51203200	TEST PILE METAL SHELLS	EACH	80				16	20	11	5														18		10
51500100	NAME PLATES	EACH	8		1	1	2	1	2	1																
52000110	PREFORMED JOINT STRIP SEAL	FOOT	1,154				322	539	176	117																
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1																						
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	1	1																						

* DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

Rev.

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN																					
				ROADWAY URBAN	BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS			
				0003	SPRING CREEK 016-1335	MARLEY CREEK 016-1334	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	0021				0028	0043	#1 0040	#2 0040
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE		
55100500	STORM SEWER REMOVAL 12"	FOOT	1,776	1776																					
55100700	STORM SEWER REMOVAL 15"	FOOT	885	885																					
55101200	STORM SEWER REMOVAL 24"	FOOT	1,572	1572																					
55101300	STORM SEWER REMOVAL 27"	FOOT	60	60																					
55101400	STORM SEWER REMOVAL 30"	FOOT	28	28																					
56100055	DUCTILE IRON WATER MAIN TEE, 12" X 8"	EACH	1																						
56100060	DUCTILE IRON WATER MAIN TEE, 12" X 10"	EACH	1																						
56100080	DUCTILE IRON WATER MAIN TEE, 16" X 12"	EACH	1																						
56103100	DUCTILE IRON WATER MAIN 8"	FOOT	7																						
56103200	DUCTILE IRON WATER MAIN 10"	FOOT	27																						
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	815																						
56103400	DUCTILE IRON WATER MAIN 16"	FOOT	3,869																						
56105000	WATER VALVES 8"	EACH	1																						
56105100	WATER VALVES 10"	EACH	1																						

• DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

7 3 11 5

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	BOX CULVERTS				LAND BRIDGES				TRAFFIC SIGNALS						LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS		
				ROADWAY URBAN	SPRING CREEK 016-1335	MARLEY CREEK 016-1334	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.				#1	#2	#3 016-1339
				0003	0040	0040	0040	0040	0040	0040	0021	0021	0021	0021	0021	0021	0021				0021	0021	0028
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	
• 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	3,147	2,637														510					
• 73000100	WOOD SIGN SUPPORT	FOOT	212	212																			
• 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	260	260																			
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,901	4,901																			
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,210	1210																			
• 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	399	399																			
• 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	26	26																			
• 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	50 FT	2,164	2,164																			
• 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	21,688	21,688																			
• 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	14,460	14,460																			
• 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	426	426																			
• 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	6,250	6,250																			
• 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	1,123	1,123																			
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	864	864																			

• DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN								TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS			
				ROADWAY URBAN	BOX CULVERTS		LAND BRIDGES				159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	#1	#2				#3			
				0003	0040	0040	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	0021	0021	0021	0021	0021	0021	0021	0021	0021				0021	0021	0040	0040
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE				
• 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 SC	FOOT	14,363										6,240	2,500	3,135					2,488						
• 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,747											1,865	404						478					
• 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	11,163										6,380	3,377							1,406					
• 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	459										141	70	86						162					
• 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4,210										1,500	940	950						820					
• 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4										2		1						1					
• 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	6										2		2						2					
• 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7										2	4	1											
• 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2													1					1					
• 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2													2										
• 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1																		1					
• 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1											1												
• 87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1																		1					
• 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2											1							1					

• DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

FILE NAME = DISOL72-shr-500.dgn	USER NAME = mearn	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. = 351	SECTION = 2010-DBI-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 26	
#MODELNAME	PLOT SCALE = 1:2	CHECKED -	REVISD -			SCALE:	SHEET 22 OF 34 SHEETS	STA. TO STA.		CONTRACT NO. 60L72	
	PLOT DATE = 11/5/2014	DATE = 10/28/14	REVISD -			ILLINOIS FED. AID PROJECT					

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN																						
				ROADWAY URBAN			BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS		
				0003	0040	0040	*1 016-D010	*2 016-D011	*3 016-D012	*4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	0021	0028	0043				*1 0040	*2 0040	*3 016-1339
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	
• 87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	2																							
• 87700408	STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1																							
• 87700414	STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	2																							
• 87700424	STEEL MAST ARM ASSEMBLY AND POLE, 72 FT.	EACH	1																							
• 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	64																							
• 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	16																							
• 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14																							
• 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	91																							
• 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46																							
• 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	35																							
• 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4																							
• 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4																							
• 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6																							
• 88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8																							

• DENOTES A SPECIALTY ITEM

△ 100% VILLAGE OF ORLAND PARK

FILE NAME : D:\6L72-urb-500.dwg USER NAME : morn PLOT SCALE : 1/2 PLOT DATE : 11/5/2014	DESIGNED - DRAWN - CHECKED - DATE : 10/28/14	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. : 351 SECTION : 2010-081-R COUNTY : COOK CONTRACT NO. : 60L72	TOTAL SHEETS : 1045 SHEET NO. : 27	
SCALE:				SHEET 23 OF 34 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT	

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PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	ROADWAY URBAN		BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS						LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS			
				80% FED 20% STATE	80% FED 20% STATE	SPRING CREEK 016-1335	MARLEY CREEK 016-1334	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT				159TH ST & RAVINIA AVE.	#1	#2	#3 016-1339
		URBAN				0003	0040	0040	0040	0040	0040	0040	0021	0021	0021	0021	0021	0021	0028	0043	0040	0040	0040	
B9502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18									9	9											
*A2007817	TREE, TILIA AMERICANA MCKSENTRY (AMERICAN SENTRY LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	31	31																				
*A2001017	TREE, ACER RUBRUM NORTHWOOD (NORTHWOOD RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	16	16																				
*A2002917	TREE, CELTIS OCCIDENTALIS ULZAM (ULTRA COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	16	16																				
*A2000216	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8																				
*A2000320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	18	18																				
*A2002516	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5																				
*A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7																				
*A2004516	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	23	23																				
*A2004716	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	23	23																				
*A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	34	34																				
*A2005670	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	19	19																				
*A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7																				
*A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	26	26																				

* DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

FILE NAME: 016DL72-vht-500.dgn	USER NAME: mcrn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MODEL NAME:	PLOT SCALE: 1/2	DRAWN -	REVISED -			351	2010-081-R	COOK	1045	29
	PLOT DATE: 11/5/2014	CHECKED -	REVISED -	SCALE:	SHEET 25 OF 34 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 6DL72			
		DATE: 10/28/14	REVISED -							

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN								TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS											
				ROADWAY URBAN	BOX CULVERTS		LAND BRIDGES				159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	#1	#2				#3											
				0003	SPRING CREEK 016-1335	MARLEY CREEK 016-1334	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	0021	0021	0021	0021	0021	0021	0021	0021	0021				0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE						
* K0013060	PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	31.5	31.5																														
* K0026850	PERENNIAL PLANT CARE	SO YD	10,200	10,200																														
X0322463	CONNECTION TO EXISTING SEWER	EACH	1																															
X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	3																															
X0322791	FILL EXISTING SANITARY SEWERS	CU YD	42																															
X0323443	PRECAST MODULAR RETAINING WALL	SO FT	913																															
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	3,285	258																														
X0325003	REMOVE EXISTING VALVE AND VAULT	EACH	2																															
X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	2,827	1884																														
X0325751	DRIVING SOLDIER PILES	FOOT	683																															
X0326747	SANITARY FORCE MAIN, 6"	FOOT	2,121																															
* X0327200	MICROWAVE VEHICLE SENSOR (SMARTSENSOR ADVANCE)	EACH	2																															
* X0327201	MICROWAVE VEHICLE SENSOR (SMARTSENSOR MATRIX)	EACH	2																															
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	27	27																														

* DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

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PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN																								
				ROADWAY URBAN		BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS						LIGHTING	SHARED USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS							
				0003	0040	0040	0040	0040	0040	0040	0040	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT				159TH ST & RAVINIA AVE.	0021	0028	0043	0040	0040	0040	
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	24	24																								
X4023000	TEMPORARY ACCESS (ROAD)	EACH	10	10																								
X4024100	TEMPORARY ACCESS (WINTERIZE)	SO YD	5,839	5,839																								
X0539200	DROP MANHOLE CONNECTION	EACH	2																				2					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	175	175																								
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	143	143																								
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	944	944																								
X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	474	474																								
X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	454	454																								
X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	61	61																								
X5610009	PIPE INSULATION SYSTEM	FOOT	130																				130					
X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	798																				798					
X5610708	WATER MAIN REMOVAL, 8"	FOOT	10																				10					
X5610710	WATER MAIN REMOVAL, 10"	FOOT	13																				13					

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PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN												LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS				
				ROADWAY URBAN		BOX CULVERTS		LAND BRIDGES				TRAFFIC SIGNALS							#1	#2	#3		
				0003	0040	0040	0040	#1 016-D010	#2 016-D011	#3 016-D012	#4 016-D013	159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP							INTER-CONNECT	159TH ST & 113TH CT
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE		
X6022820	MANHOLES, SANITARY, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1																1				
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1																			
X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	3	3																			
X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	8															8					
X6026057	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2															2					
X6026626	VALVE BOXES TO BE RECONSTRUCTED	EACH	1															1					
X6028000	MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	5	5																			
X6061100	CONCRETE MEDIAN, TYPE SB (SPECIAL)	SQ FT	16,171	16,171																			
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	29	29																			
XT010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1																			
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	3,276	3,276																			
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	257,886	257,886																			
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	26,744	26,744																			
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	14,143	14,143																			

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Δ 100% VILLAGE OF ORLAND PARK

1 2 3 4 5

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN								TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS			
				ROADWAY URBAN	BOX CULVERTS		LAND BRIDGES				159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	#1	#2				#3			
				0003	0040	0040	*1 016-0010	*2 016-0011	*3 016-0012	*4 016-0013	0021	0021	0021	0021	0021	0021	0021	0021	0021				0028	0043	0040	0040
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% VOP	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE		
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	3,133	3,133																						
X8140230	HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	35																		35					
X8211125	LUMINAIRE, LED, HORIZONTAL MOUNT, SPECIAL	EACH	36																							
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1																							
X8300001	LIGHT POLE, SPECIAL	EACH	36																							
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	66																							
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3																							
X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1																							
X8600105	MASTER CONTROLLER (SPECIAL)	EACH	1																							
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	4																							
X8781542	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER, SPECIAL	FOOT	148																							
Δ XX005713	ORNAMENTAL RAILING	FOOT	188	96		92																				
Δ XX006926	ILLUMINATED STREET NAME SIGN	EACH	15																							
Z0001100	AIR RELEASE VALVE	EACH	1																							

* DENOTES A SPECIALTY ITEM
 Δ 100% VILLAGE OF ORLAND PARK

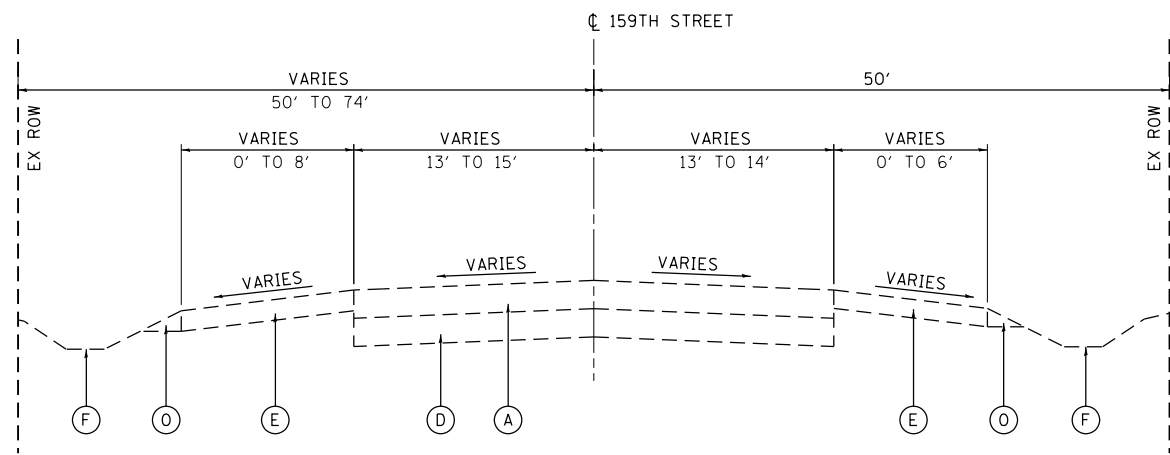
1 2 3 4 5

PAY ITEM NO.	PAY ITEM NAME	UNIT	TOTAL QUANTITY	URBAN								TRAFFIC SIGNALS								LIGHTING	SHARED -USE PATH SIDEWALK	FIBER OPTIC WATER SEWER	RETAINING WALLS		
				ROADWAY URBAN	BOX CULVERTS	LAND BRIDGES				159TH ST & WOLF RD	159TH ST & 108TH AVE	159TH ST & 104TH AVE	EVP	INTER-CONNECT	159TH ST & 113TH CT	159TH ST & RAVINIA AVE.	#1	#2	#3						
				0003	0040	0040	0040	0040	0040	0040	0040	0021	0021	0021	0021	0021	0021	0021	0028	0043	0040	0040	0040		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% OFPD	80% FED 20% STATE	100% VOP	80% FED 20% STATE	100% VOP	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE		
* Z0007118	UNTREATED TIMBER LAGGING	SO FT	572																				572		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1																					
Z0018004	DRAINAGE SCUPPERS, DS-12	EACH	42				12	17	9	4															
Z0026407	TEMPORARY SHEET PILING	SO FT	2,343			1946																397			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	654	654																					
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1																1						
* Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1													1									
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	147																				147		
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	42																				42		
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	536																				536		
Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	192																				192		
Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	88																				88		
Z0056675	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 30"	FOOT	22																				22		
Z0056678	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 36"	FOOT	43																				43		

* DENOTES A SPECIALTY ITEM

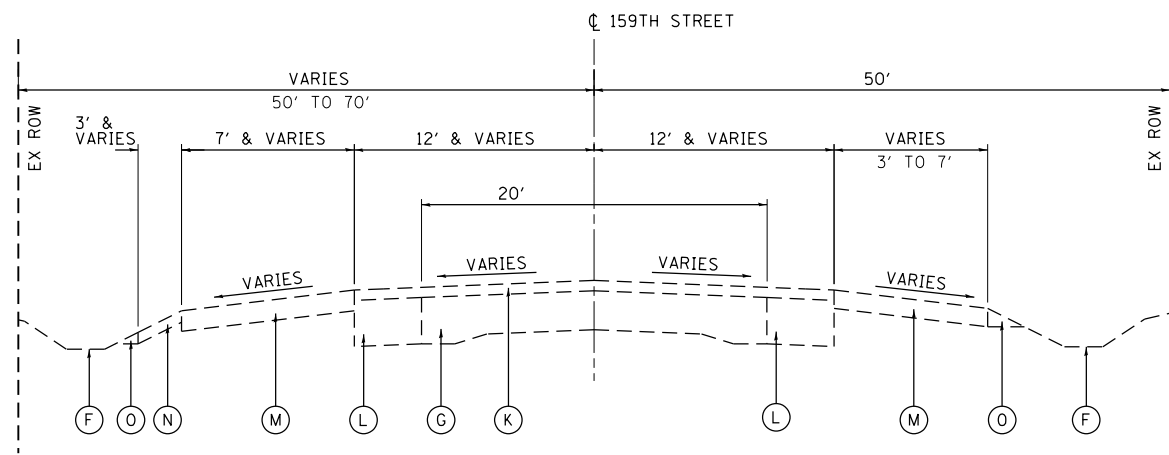
△ 100% VILLAGE OF ORLAND PARK

FILE NAME: D:\DL\72-ent-500.dgn	USER NAME: mern	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 36
MODELNAME:	PLOT SCALE: 1/2	CHECKED: -	REVISED: -		SCALE:	SHEET 32	OF 34	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE: 11/5/2014	DATE: 10/28/14	REVISED: -										
												CONTRACT NO. 60L72	



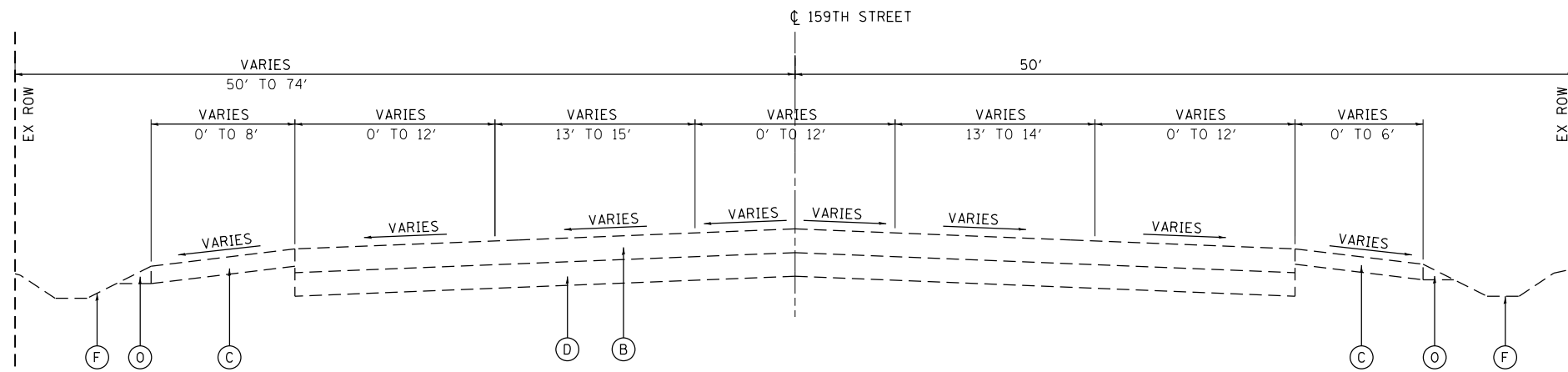
EXISTING TYPICAL SECTION

STA. 284+65 TO STA. 312+00
 STA. 369+00 TO STA. 375+27
 STA. 390+49 TO STA. 396+61



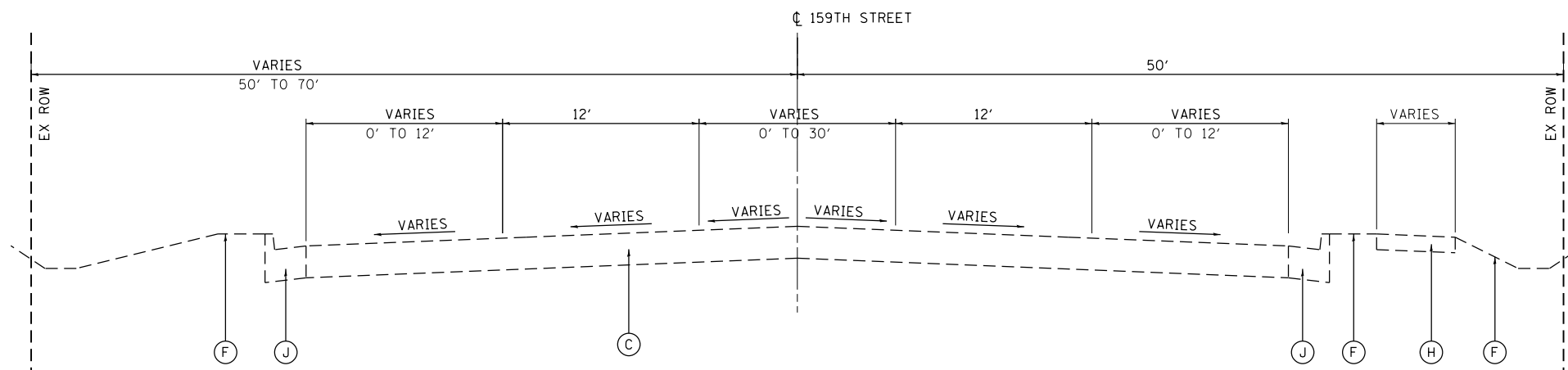
EXISTING TYPICAL SECTION

STA. 375+27 TO STA. 379+80
 STA. 381+50 TO STA. 390+49
 STA. 396+61 TO STA. 401+24
 STA. 403+65 TO STA. 408+28



EXISTING TYPICAL SECTION

STA. 281+00 TO STA. 284+65
 STA. 312+00 TO STA. 345+33
 STA. 379+80 TO STA. 381+50
 STA. 401+24 TO STA. 403+65



EXISTING TYPICAL SECTION

STA. 345+33 TO STA. 369+00
 STA. 408+28 TO STA. 415+06

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT (VARIES 11.5")
- (B) EXISTING HMA PAVEMENT (VARIES 12")
- (C) EXISTING HMA PAVEMENT (VARIES 13.5")
- (D) EXISTING PCC PAVEMENT (VARIES 10")
- (E) EXISTING HMA SHOULDER
- (F) EXISTING TOPSOIL, 12"
- (G) EXISTING PCC LAND BRIDGE
- (H) EXISTING CONCRETE SIDEWALK
- (J) EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- (K) EXISTING HMA PAVEMENT, 5"
- (L) EXISTING BASE COURSE WIDENING
- (M) EXISTING HMA SHOULDER, 8"
- (N) EXISTING BITUMINOUS STABILIZATION, 6"
- (O) EXISTING AGGREGATE SHOULDER

FILE NAME = D:\60L72-sht-typical.dgn
 MODELNAME

USER NAME = rdonley
 PLOT SCALE = 1:100
 PLOT DATE = 10/22/2014

DESIGNED - JWM
 DRAWN - JWM
 CHECKED -
 DATE - 10/28/14

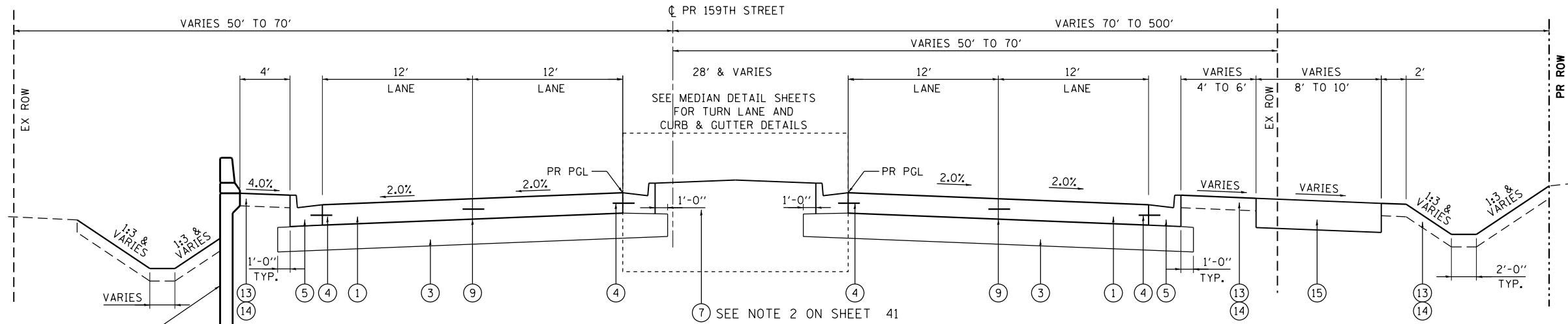
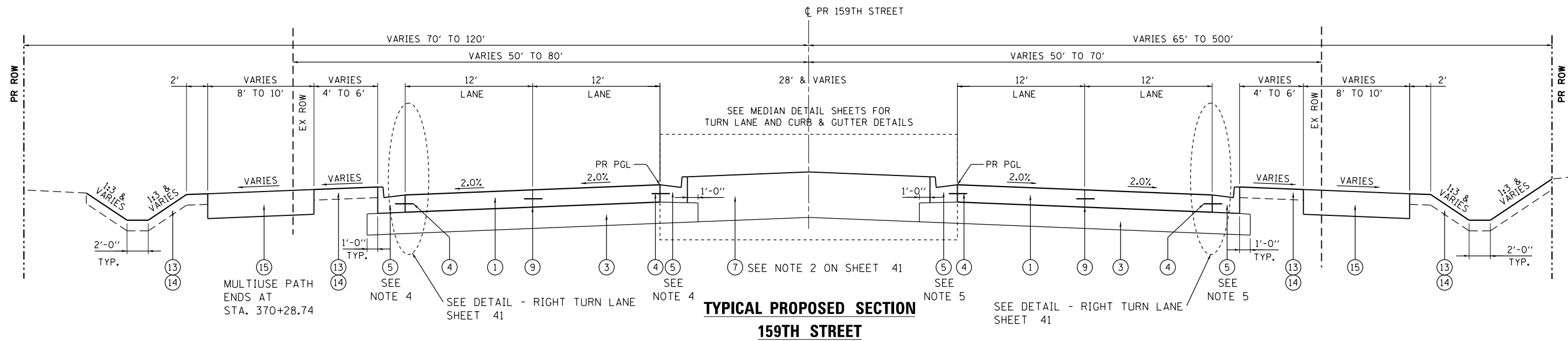
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 159TH STREET**

SCALE: N.T.S. SHEET 1 OF 6 SHEETS STA. TO STA.

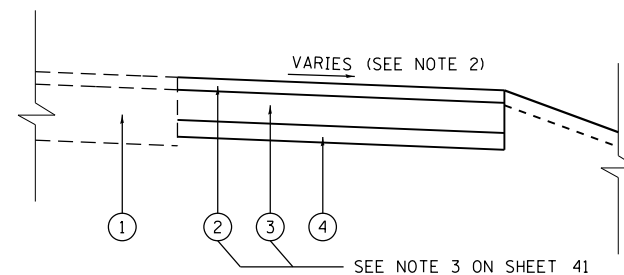
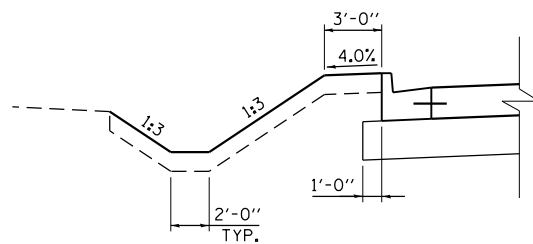
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	39
CONTRACT NO. 60L72			ILLINOIS FED. AID PROJECT	



PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PROPOSED TOPSOIL, 24" - SEE NOTE 4 ON SHEET 41
- ⑧ CONCRETE MEDIAN SURFACE, 4"
- ⑨ LONGITUDINAL SAWED JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- ⑩ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑪ COARSE AGGREGATE FILL
- ⑫ DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑬ PROPOSED TOPSOIL, 6" (SEE NOTE 4 ON SHEET 41)
- ⑭ SEE LANDSCAPE PLANS FOR PERMANENT GROUND COVER INFO
- ⑮ MULTIUSE PATH, FOR MORE DETAILS SEE SHEET 52
- ⑯ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ⑰ RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR DETAILS)

RETAINING WALL LIMITS:
STA. 381+44.29 TO
STA. 407+61.18



- ① EXISTING PAVEMENT
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2" (SEE NOTE 3)
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 8" (SEE NOTE 3)
- ④ AGGREGATE SUBGRADE IMPROVEMENT, 4" (SEE NOTE 3)

NOTES

1. RAILROAD OMISSION STA. 369+55.81 TO STA. 369+77.33.
2. MATCH EXISTING SLOPE (MINIMUM 1.5%).
3. INCLUDED IN THE COST OF 'TEMPORARY PAVEMENT' ITEM.
4. USE COMBINATION CC&G, TYPE M-6.24 FROM STA. 368+81.00 TO STA. 369+67.66 TO PROVIDE ESCAPE ZONE AT RAILROAD CROSSING.
5. USE COMBINATION CC&G, TYPE M-6.24 FROM STA. 369+65.48 TO STA. 370+52.00 TO PROVIDE ESCAPE ZONE AT RAILROAD CROSSING.

FILE NAME =
D160L72-sht-typical.dgn

USER NAME = rdonley
PLOT SCALE = 1:100
PLOT DATE = 10/22/2014

DESIGNED - JWM
DRAWN - JWM
CHECKED -
DATE - 10/28/14

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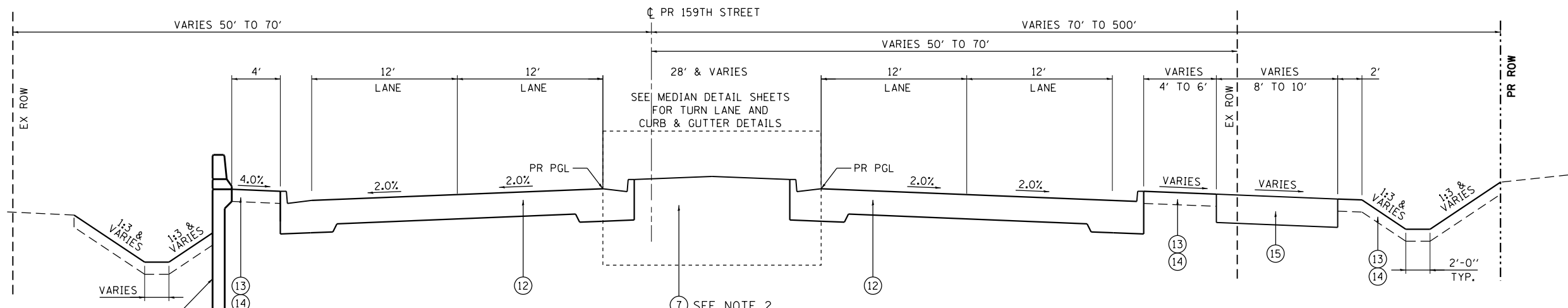
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
159TH STREET**

SCALE: N.T.S. SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	40
CONTRACT NO. 60L72				

ILLINOIS FED. AID PROJECT



**TYPICAL PROPOSED SECTION
159TH STREET LAND BRIDGES**

**** RETAINING WALL LIMITS:
STA. 381+44.29 TO STA. 407+61.18

WESTBOUND DRY LAND BRIDGE LIMITS:
STA. 371+59.69 TO STA. 380+48.58
STA. 381+74.55 TO STA. 390+86.55
STA. 395+97.60 TO STA. 402+33.60

EASTBOUND DRY LAND BRIDGE LIMITS:
STA. 374+65.58 TO STA. 380+55.58
STA. 381+74.55 TO STA. 390+86.55
STA. 398+04.60 TO STA. 401+64.60
STA. 404+06.59 TO STA. 408+58.59

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING (WOLF RD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1 1/2"	4% @ 70 Gyr.	QC/OA
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.	QC/OA
PAVEMENT WIDENING (WOLF RD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1 1/2"	4% @ 70 Gyr.	QC/OA
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.	QC/OA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 7 3/4"	4% @ 50 Gyr.	QC/OA
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19 mm), 7 3/4"	4% @ 50 Gyr.	QC/OA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.	QC/OA
TEMPORARY PAVEMENT (HMA BINDER IL-19 mm), 8"	4% @ 50 Gyr.	QC/OA
DRIVEWAYS (PRIVATE /COMMERCIAL)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.	QCP
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), PE -6" , CE -8"	4% @ 50 Gyr.	QCP
DRIVEWAYS (FIELD ENTRANCE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.	QCP
SHARED-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1 1/2"	4% @ 50 Gyr.	QCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"	4% @ 50 Gyr.	QCP
SHOULDERS (WOLF RD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1 1/2"	4% @ 70 Gyr.	QC/OA
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 8 1/2"	4% @ 50 Gyr.	QC/OA
STABILIZED SUBBASE		
STABILIZED SUBBASE (HMA BINDER IL-19mm), 4 1/2"	4% @ 50 Gyr.	QCP
PAVEMENT PATCHING		
CLASS D PATCH (HMA BINDER IL-19 mm), 11", 12", 14"	4% @ 70 Gyr.	QC/OA

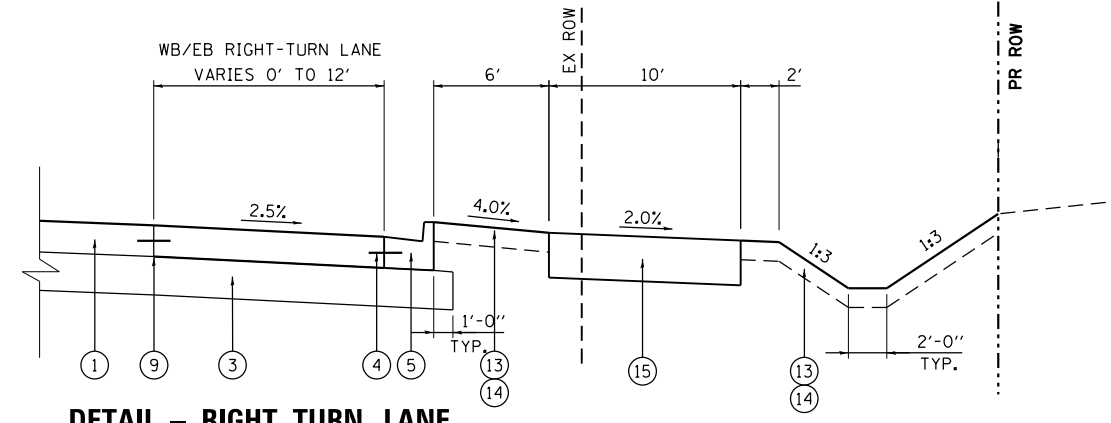
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE AC TYPE FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC" TYPE" SHALL BE "PG 64-28" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS, SEE DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

PAVEMENT PATCHING FOR USE AT LOCATIONS OF PROPOSED STORM SEWER AND CULVERT INSTALLATION DURING MAINTENANCE OF TRAFFIC.



**DETAIL - RIGHT TURN LANE
159TH STREET**

STA. 330+34.11 TO STA. 333+54.00 WB
STA. 356+25.68 TO STA. 360+01.00 WB

STA. 324+31.00 TO STA. 327+57.72 EB
STA. 343+57.00 TO STA. 347+32.12 EB
STA. 350+54.00 TO STA. 354+26.57 EB

PROPOSED LEGEND

- 1 PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- 2 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- 3 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 4 NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 PROPOSED TOPSOIL, 24" - SEE NOTE 4
- 8 CONCRETE MEDIAN SURFACE, 4"
- 9 LONGITUNDINAL SAWED JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- 10 CONCRETE MEDIAN, TYPE SB (SPECIAL)
- 11 COARSE AGGREGATE FILL
- 12 DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- 13 PROPOSED TOPSOIL, 6" - SEE NOTE 4
- 14 SEE LANDSCAPE PLANS FOR PROPOSED GROUND COVER
- 15 MULTIUSE PATH, FOR MORE DETAILS SEE SHEET52
- 16 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- 17 RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR DETAILS)

NOTES

- 1. UNLESS OTHERWISE NOTED, USE 159TH STREET PAVEMENT FOR SIDEROADS.
- 2. LANDSCAPED MEDIAN IS BEING SHOWN. SEE LANDSCAPING PLANS FOR LANDSCAPED / CONCRETE MEDIAN LIMITS. SEE LANDSCAPED MEDIAN DETAIL ON SHEET 269.
- 3. IF CONTRACTOR CHOOSES TO USE JOINTED PC CONCRETE AS TEMPORARY PAVEMENT THE THICKNESS SHALL BE 8" PCC. SUBBASE GRANULAR MATERIAL, TYPE B, 4". PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, 8". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.
- 4. PROPOSED TOPSOIL, 6" AND PROPOSED TOPSOIL, 24" WILL CONSIST OF EXISTING TOPSOIL AND PAID FOR AS 'TOPSOIL EXCAVATION AND PLACEMENT'.

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\$MODELNAME\$

USER NAME = rdonley
PLOT SCALE = 1:100
PLOT DATE = 10/22/2014

DESIGNED - JWM
DRAWN - JWM
CHECKED -
DATE - 10/28/14

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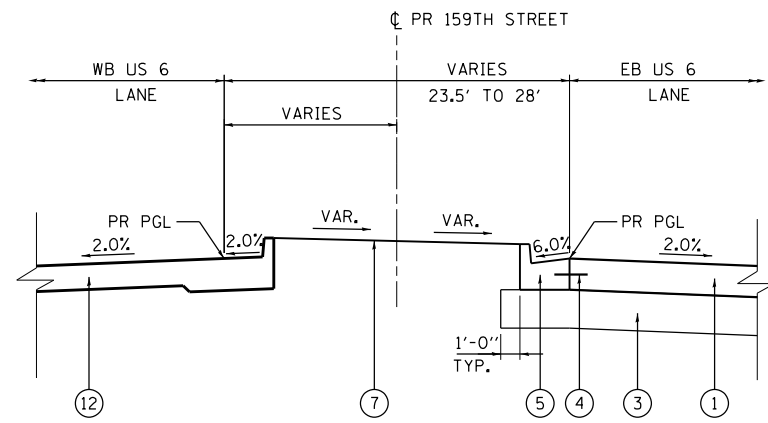
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
159TH STREET**

SCALE: N.T.S. SHEET 3 OF 6 SHEETS STA. TO STA.

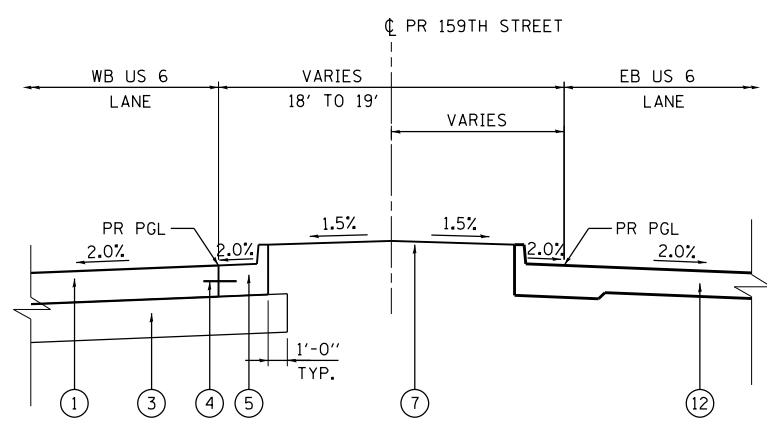
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	41
				CONTRACT NO. 60L72

ILLINOIS FED. AID PROJECT



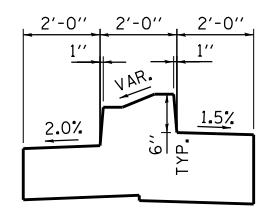
**TYPICAL PROPOSED MEDIAN SECTION
159TH STREET**

STA. 371+59.69 TO STA. 374+65.58



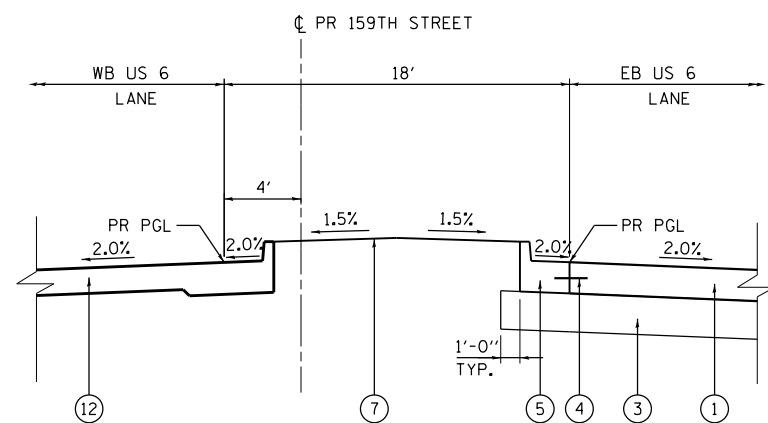
**TYPICAL PROPOSED MEDIAN SECTION
159TH STREET**

STA. 380+48.58 TO STA. 380+55.58
STA. 404+06.59 TO STA. 408+58.59



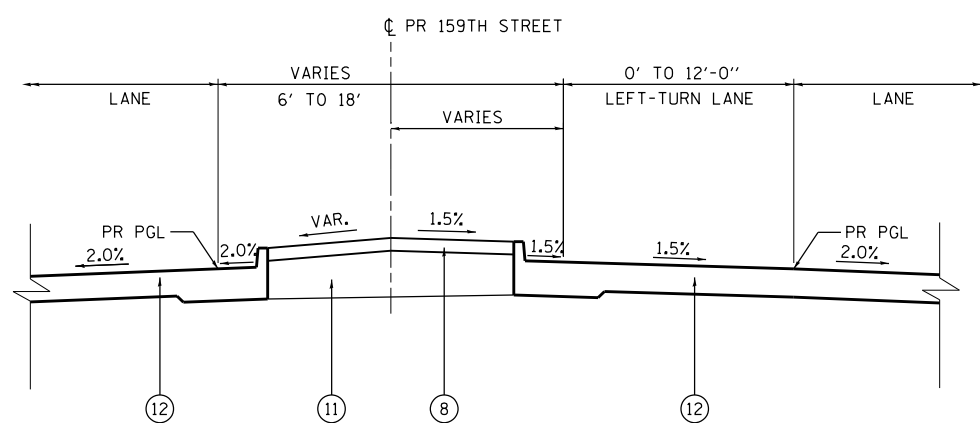
DETAIL C*

• SEE HIGHWAY STANDARD 606301-04 FOR ADDITIONAL DETAILS AND RAMP NOSE LENGTHS



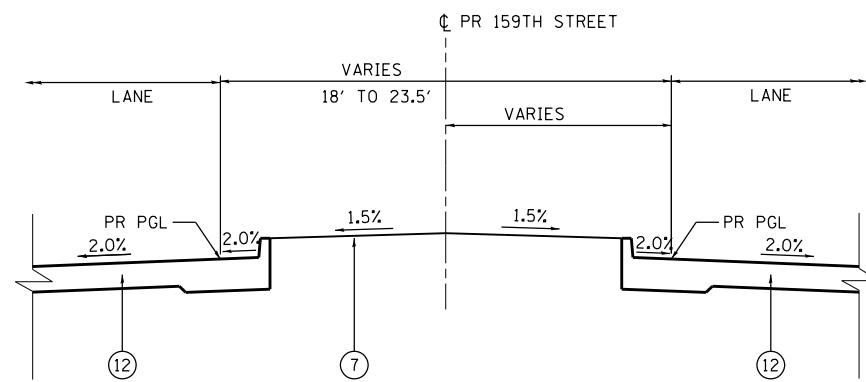
**TYPICAL PROPOSED MEDIAN SECTION
159TH STREET**

STA. 395+97.60 TO STA. 398+04.60
STA. 401+64.60 TO STA. 402+33.60



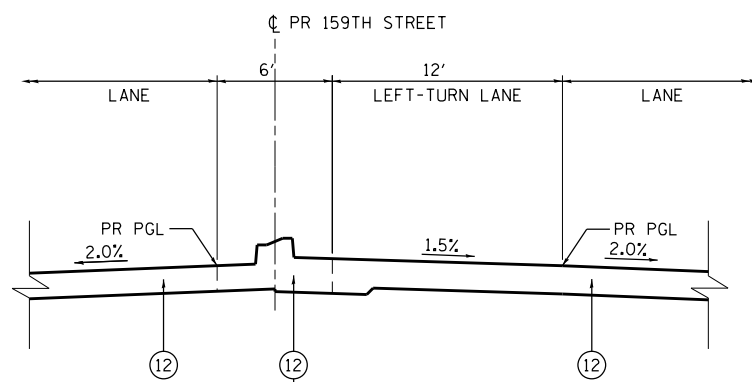
**TYPICAL PROPOSED MEDIAN SECTION AT SINGLE
LEFT-TURN LANE MEDIAN TAPER
159TH STREET**

STA. 384+15.00 TO STA. 386+15.00
STA. 386+85.00 TO STA. 388+70.00



**TYPICAL PROPOSED MEDIAN SECTION
159TH STREET**

STA. 374+65.58 TO STA. 380+48.58
STA. 386+15.00 TO STA. 386+85.00
STA. 398+04.60 TO STA. 401+64.60



**TYPICAL PROPOSED MEDIAN SECTION AT SINGLE LEFT-TURN LANE
159TH STREET**

STA. 388+70.00 TO STA. 390+55.00

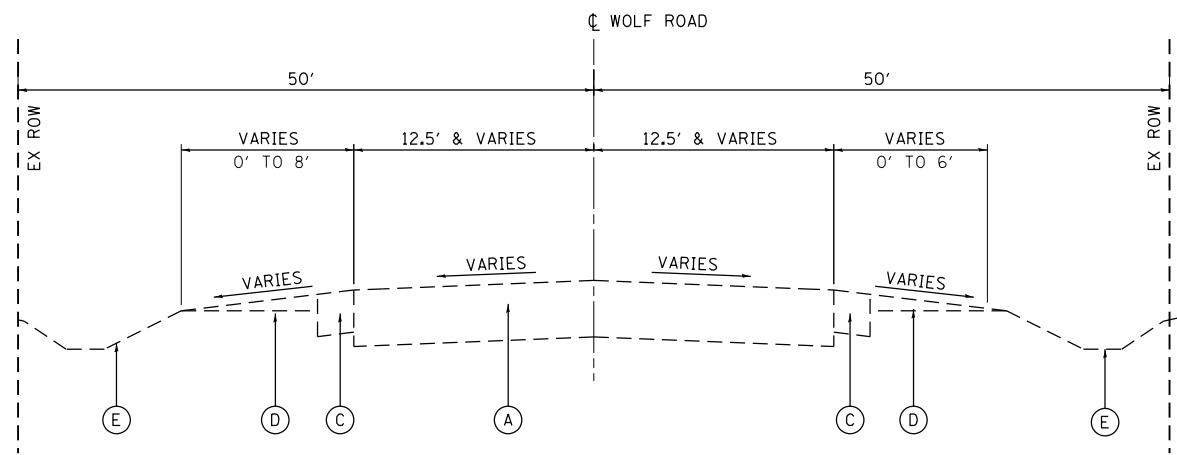
PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PROPOSED TOPSOIL, 24" - SEE NOTE 4 ON SHEET 41
- ⑧ CONCRETE MEDIAN SURFACE, 4"
- ⑨ LONGITUDINAL CONSTRUCTION JOINT, NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CENTERS
- ⑩ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑪ COARSE AGGREGATE FILL
- ⑫ DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)

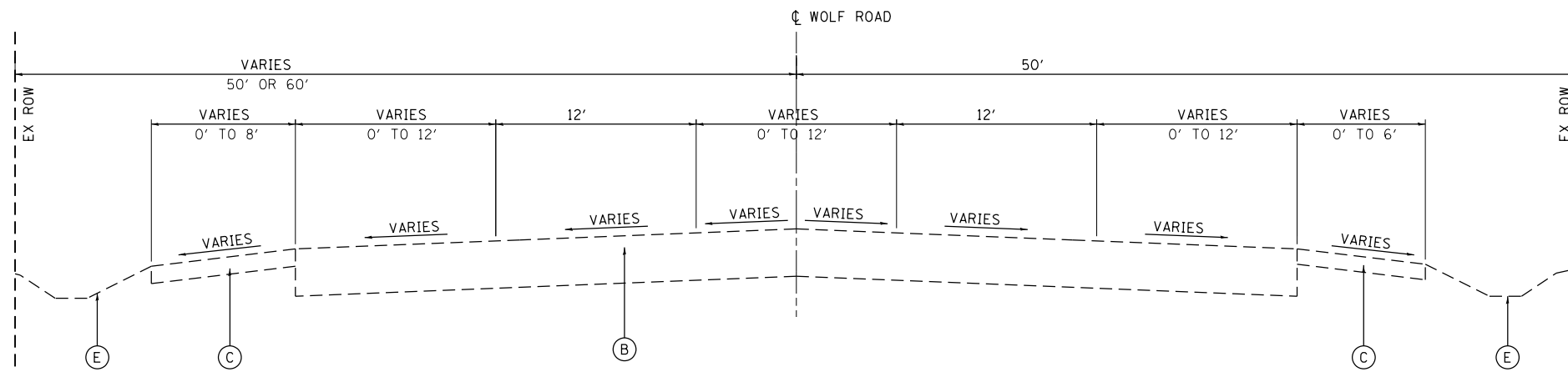
NOTES

1. COARSE AGGREGATE FILL SHALL BE CONSTRUCTED IN ACCORDANCE WITH ART. 606.09 OF THE STANDARD SPECIFICATIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE MEDIAN SURFACE, 4".

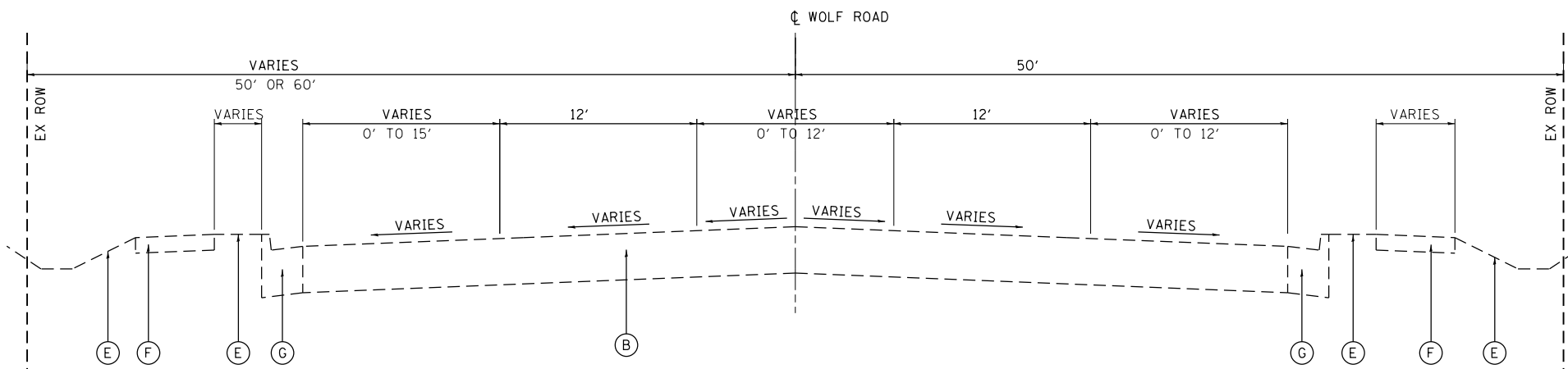
FILE NAME = D160L72-sht-typical.dgn	USER NAME = rdonley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS 159TH STREET			F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 44
	PLOT SCALE = 1:100	CHECKED -	REVISED -					SCALE: N.T.S.	SHEET 6 OF 6 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
MODELNAME	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -		CONTRACT NO. 60L72							



EXISTING TYPICAL SECTION
STA. 4+87.38 TO STA. 12+17



EXISTING TYPICAL SECTION
STA. 12+17 TO STA. 15+67
STA. 27+27 TO STA. 32+85.76



EXISTING TYPICAL SECTION
STA. 15+67 TO STA. 27+27

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT, 8 1/2"
- (B) EXISTING HMA PAVEMENT, 11"
- (C) EXISTING HMA SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING TOPSOIL, 24"
- (F) EXISTING CONCRETE SIDEWALK
- (G) EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24

FILE NAME =
D:\60L72-sht-typical.dgn
MODELNAME

USER NAME = rdonley
PLOT SCALE = 1:100
PLOT DATE = 10/22/2014

DESIGNED - JWM
DRAWN - JWM
CHECKED -
DATE - 10/28/14

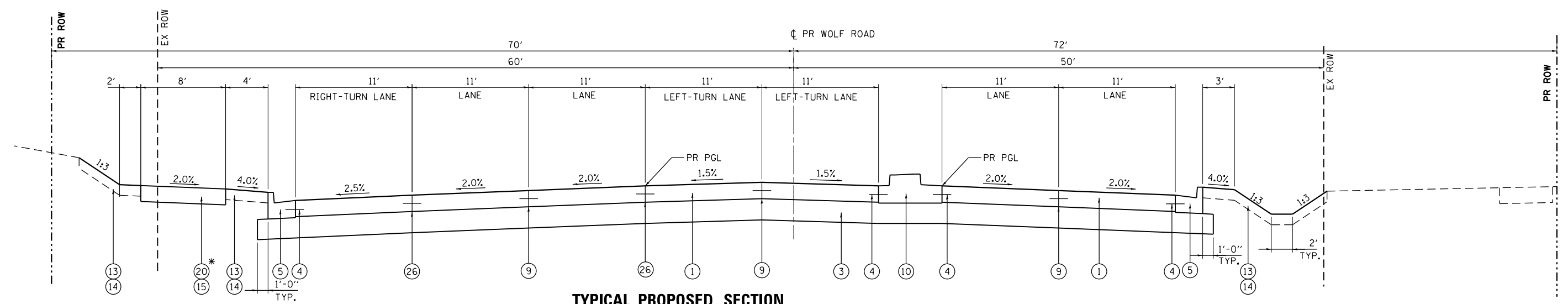
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
WOLF ROAD**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

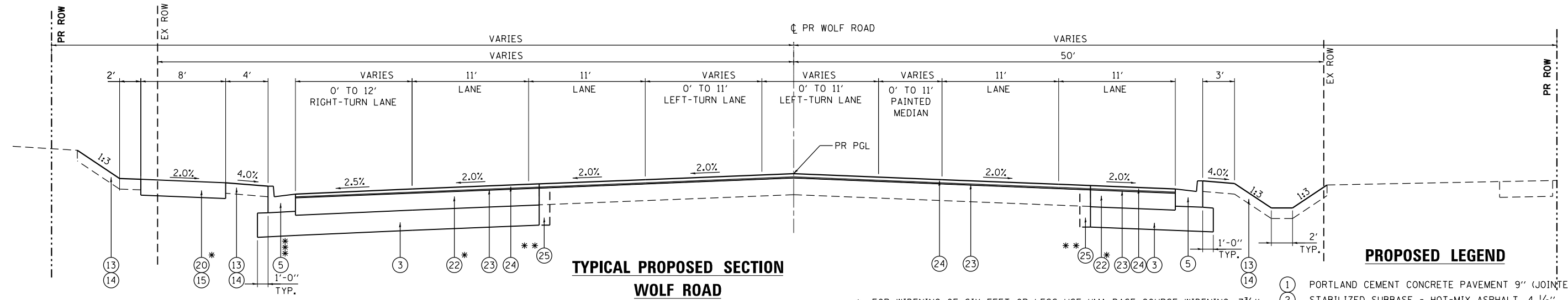
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	45
CONTRACT NO. 60L72			ILLINOIS FED. AID PROJECT	



**TYPICAL PROPOSED SECTION
WOLF ROAD**

STA. 20+95.93 TO STA. 22+82.91

* MULTIUSE PATH LIMITS:
STA. 21+20.85 TO STA. 24+41.77



**TYPICAL PROPOSED SECTION
WOLF ROAD**

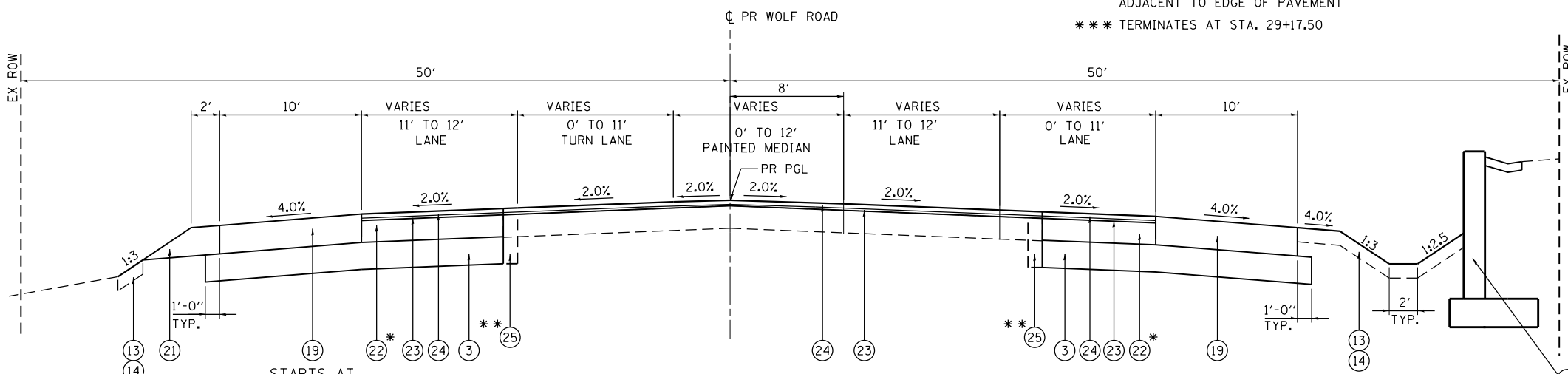
STA. 22+82.91 TO STA. 30+10.43

* MULTIUSE PATH LIMITS:
STA. 21+20.85 TO STA. 24+41.77

* FOR WIDENING OF SIX FEET OR LESS USE HMA BASE COURSE WIDENING, 7 3/4"
FOR WIDENING GREATER THAN SIX FEET USE HMA BASE COURSE, 7 3/4"
** SAWCUT AND REMOVE 1' WIDTH OF EXISTING PAVEMENT
ADJACENT TO EDGE OF PAVEMENT
*** TERMINATES AT STA. 29+17.50

PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PROPOSED TOPSOIL, 24" - SEE NOTE 4 ON SHEET 41
- ⑧ CONCRETE MEDIAN SURFACE, 4"
- ⑨ LONGITUDINAL SAWED JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- ⑩ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑪ COARSE AGGREGATE FILL
- ⑫ DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑬ PROPOSED TOPSOIL, 6" (SEE NOTE 4 ON SHEET 41)
- ⑭ SEE LANDSCAPE PLANS FOR PROPOSED GROUND COVER
- ⑮ MULTIUSE PATH, FOR MORE DETAILS SEE SHEET 52
- ⑯ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ⑰ RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑱ NOT USED
- ⑲ HOT-MIX ASPHALT SHOULDERS, 10"
- ⑳ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ㉑ AGGREGATE SHOULDERS, TYPE B, 10"
- ㉒ HMA BASE COURSE, 7 3/4" / HMA BASE COURSE WIDENING, 7 3/4"
- ㉓ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ㉔ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ㉕ PAVEMENT REMOVAL
- ㉖ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS



**TYPICAL PROPOSED SECTION
WOLF ROAD**

STA. 30+10.43 TO STA. 32+85.76

STARTS AT
STA. 29+17.50
CC&G ENDS &
PCC SHOULDERS 9"
BEGINS AT
STA. 29+00.00

* FOR WIDENING OF SIX FEET OR LESS USE HMA BASE COURSE WIDENING, 7 3/4"
FOR WIDENING GREATER THAN SIX FEET USE HMA BASE COURSE, 7 3/4"
** SAWCUT AND REMOVE 1' WIDTH OF EXISTING PAVEMENT
ADJACENT TO EDGE OF PAVEMENT

RETAINING
WALL LIMITS:
STA. 29+93.42 TO
STA. 31+40.09

FILE NAME =
D160L72-sht-typical.dgn
MODELNAME

USER NAME = rdonley
PLOT SCALE = 1:100
PLOT DATE = 10/22/2014

DESIGNED - JWM
DRAWN - JWM
CHECKED -
DATE - 10/28/14

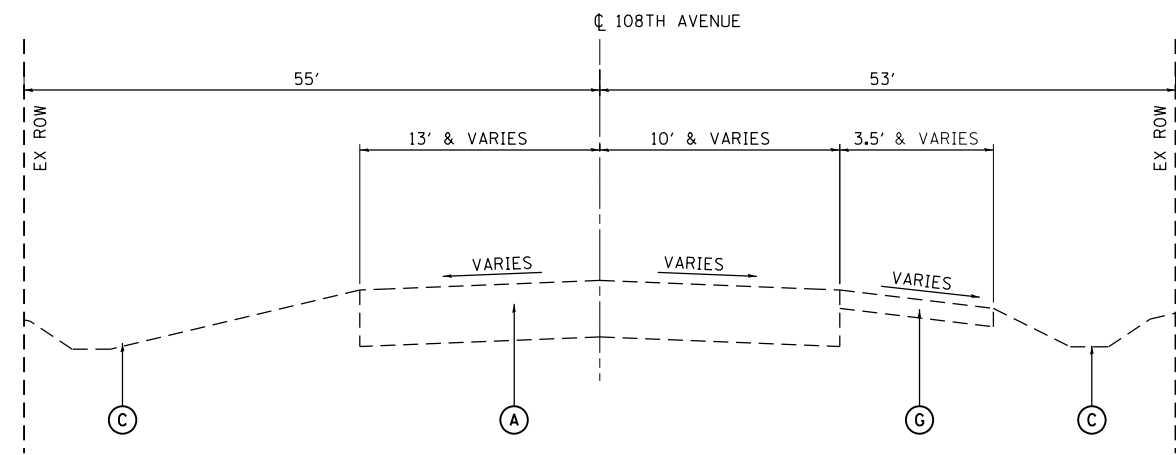
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

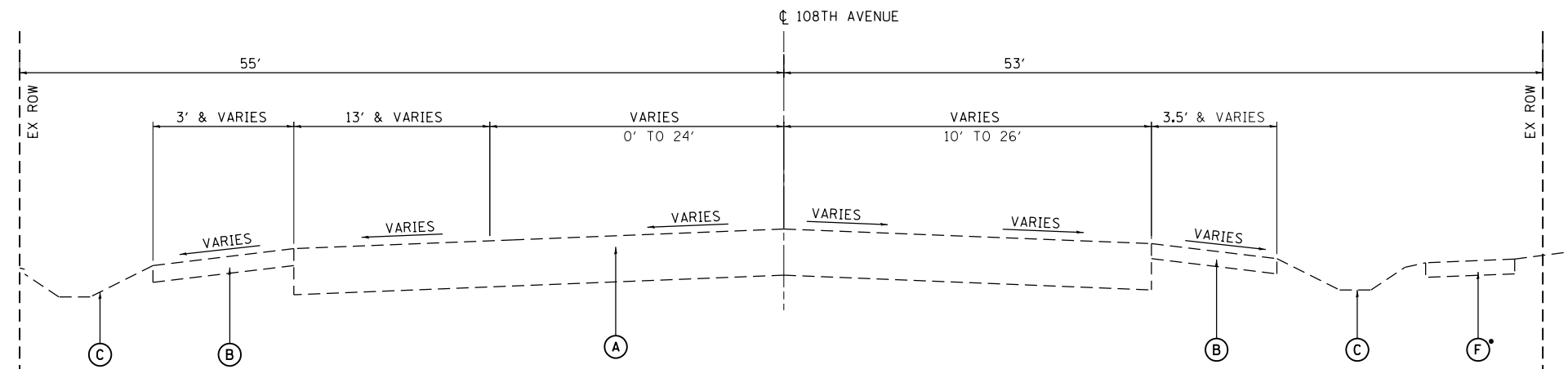
**TYPICAL SECTIONS
WOLF ROAD**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	47
				CONTRACT NO. 60L72
ILLINOIS FED. AID PROJECT				

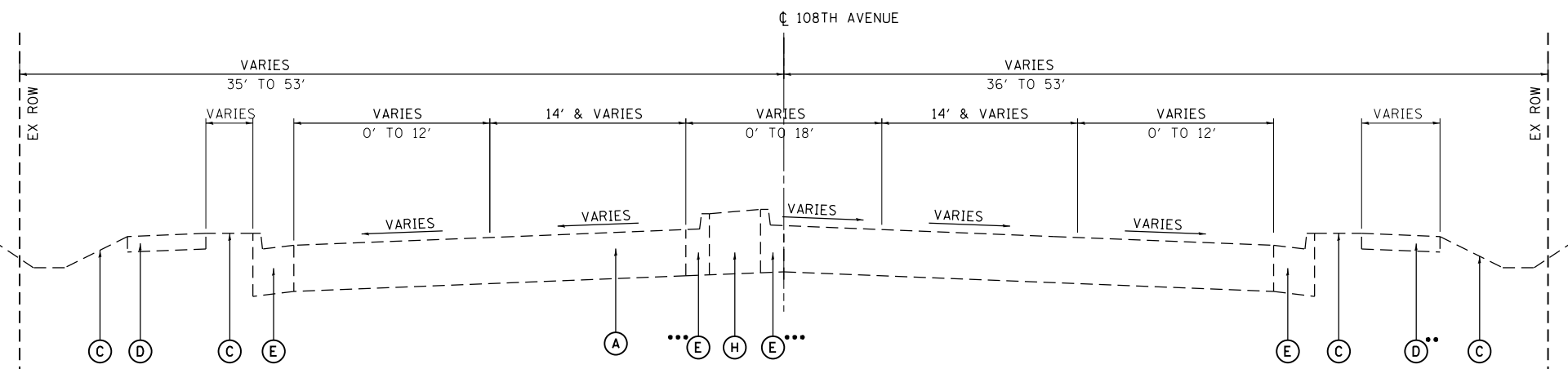


EXISTING TYPICAL SECTION
STA. 8+18 TO STA. 11+09



EXISTING TYPICAL SECTION
STA. 11+09 TO STA. 16+87

• STA. 16+80 TO STA. 19+00



EXISTING TYPICAL SECTION
STA. 16+87 TO STA. 28+70

•• STA. 19+00 TO STA. 19+59
••• STA. 22+60 TO STA. 24+70
MOUNTABLE COMBINATION
CURB AND GUTTER

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT (VARIES 9"-12")
- (B) EXISTING HMA SHOULDER
- (C) EXISTING TOPSOIL, 24"
- (D) EXISTING CONCRETE SIDEWALK
- (E) EXISTING COMBINATION CURB AND GUTTER
- (F) EXISTING HMA BIKE PATH
- (G) EXISTING AGGREGATE SHOULDER
- (H) EXISTING HMA MEDIAN SURFACE

FILE NAME =
D160L72-sht-typical.dgn
MODELNAME

USER NAME = rdonley
PLOT SCALE = 1:100
PLOT DATE = 10/22/2014

DESIGNED - JWM
DRAWN - JWM
CHECKED -
DATE - 10/28/14

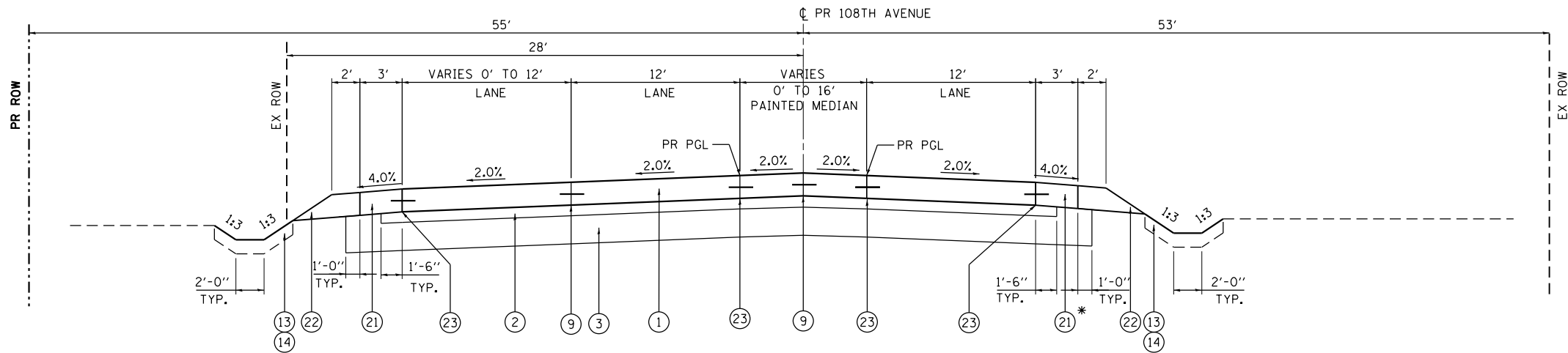
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
108TH AVENUE**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

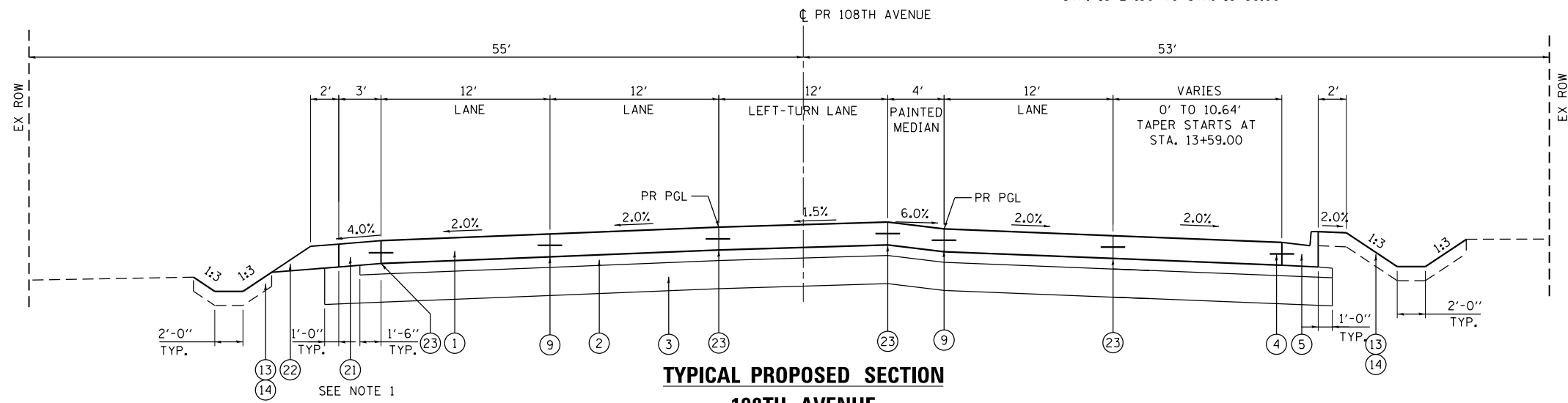
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	48
CONTRACT NO. 60L72			ILLINOIS FED. AID PROJECT	



**TYPICAL PROPOSED SECTION
108TH AVENUE**

STA. 8+18.00 TO STA. 13+58.00

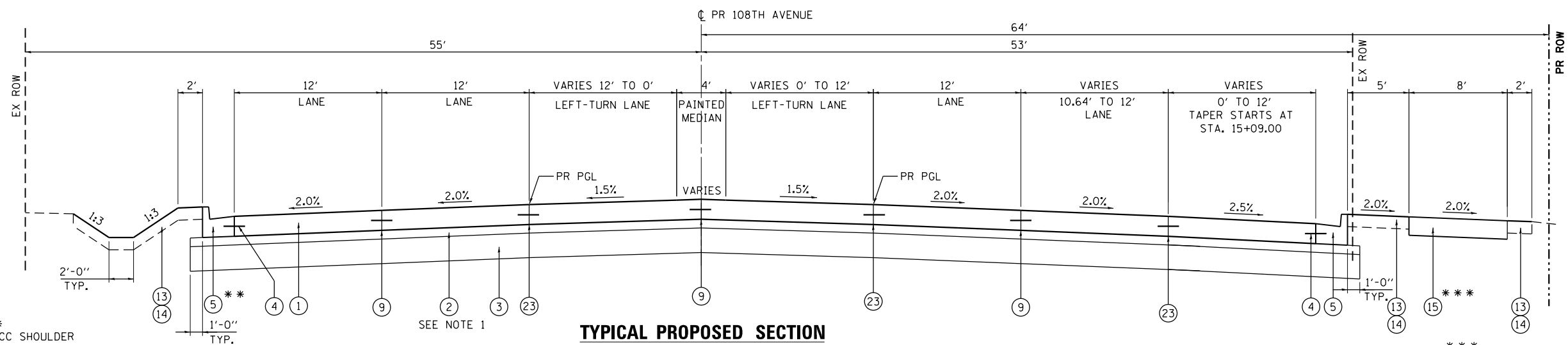
*
PCC SHOULDER
STA. 8+18.00 TO STA. 12+96.28
COMBINATION CURB AND GUTTER, TYPE B-6.24
STA. 13+24.30 TO STA. 13+58.00



**TYPICAL PROPOSED SECTION
108TH AVENUE**

STA. 13+58.00 TO STA. 14+92.00

NOTES
1. TERMINATES AT STA. 18+11.68



**TYPICAL PROPOSED SECTION
108TH AVENUE**

STA. 14+92.00 TO STA. 19+28.00

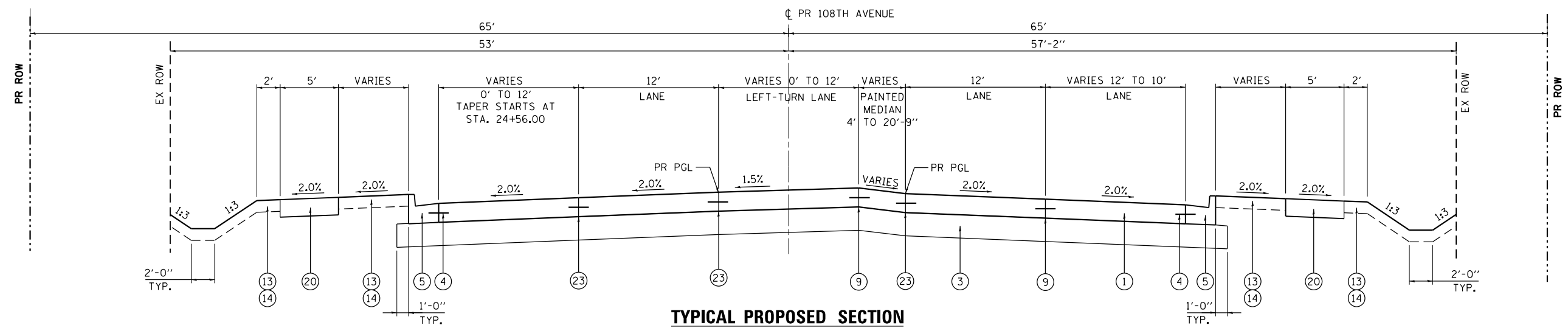
PCC SHOULDER
STA. 14+92.00 TO STA. 18+11.68
COMBINATION CURB AND GUTTER, TYPE B-6.24
STA. 18+11.68 TO STA. 19+28.00

NORTHBOUND MULTIUSE PATH
STA. 16+85.89 TO STA. 19+28.00

PROPOSED LEGEND

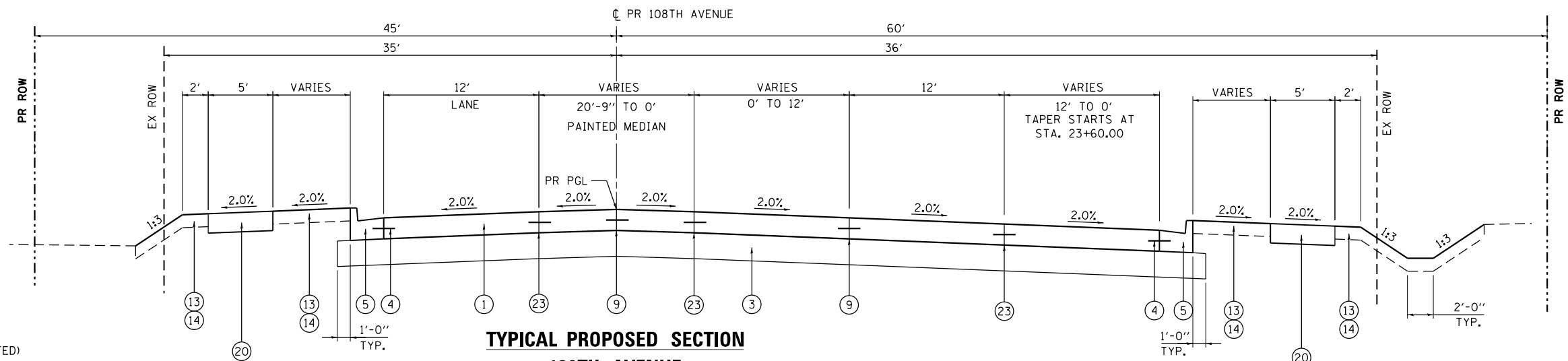
- ① PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PROPOSED TOPSOIL, 6" - SEE NOTE 4 ON SHEET 41
- ⑧ CONCRETE MEDIAN SURFACE, 4"
- ⑨ LONGITUDINAL SAWED JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- ⑩ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑪ COARSE AGGREGATE FILL
- ⑫ DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑬ PROPOSED TOPSOIL, 6" (SEE NOTE 4 ON SHEET 41)
- ⑭ SEE LANDSCAPE PLANS FOR PROPOSED GROUND COVER
- ⑮ MULTIUSE PATH, FOR MORE DETAILS SEE SHEET 52
- ⑯ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ⑰ RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑱ NOISE WALL (SEE NOISE ABATEMENT WALL SHEET FOR DETAILS)
- ⑲ PORTLAND CEMENT CONCRETE SHOULDERS, 9"
- ⑳ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ㉑ PORTLAND CEMENT CONCRETE SHOULDERS, 8"
- ㉒ AGGREGATE SHOULDERS, TYPE B, 8"
- ㉓ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS

FILE NAME = D160L72-sh-typical.dgn	USER NAME = rdonley	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS 108TH AVENUE			F.A.P. R.E. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 49
	PLOT SCALE = 1:100	CHECKED - JWM	REVISED -					SCALE: N.T.S.	SHEET 2 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 60L72	
MODELNAME	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -	ILLINOIS FED. AID PROJECT								



**TYPICAL PROPOSED SECTION
108TH AVENUE**

STA. 20+71.00 TO STA. 24+56.00



**TYPICAL PROPOSED SECTION
108TH AVENUE**

STA. 24+56.00 TO STA. 28+70.00

PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PROPOSED TOPSOIL, 24" - SEE NOTE 4 ON SHEET 41
- ⑧ CONCRETE MEDIAN SURFACE, 4"
- ⑨ LONGITUDINAL SAWED JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- ⑩ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑪ COARSE AGGREGATE FILL
- ⑫ DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑬ PROPOSED TOPSOIL, 6" (SEE NOTE 4 ON SHEET 41)
- ⑭ SEE LANDSCAPE PLANS FOR PROPOSED GROUND COVER
- ⑮ MULTIUSE PATH, FOR MORE DETAILS SEE SHEET 52
- ⑯ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- ⑰ RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- ⑱ NOISE WALL (SEE NOISE ABATEMENT WALL SHEET FOR DETAILS)
- ⑲ PORTLAND CEMENT CONCRETE SHOULDERS, 9"
- ⑳ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ㉑ PORTLAND CEMENT CONCRETE SHOULDERS, 8"
- ㉒ AGGREGATE SHOULDERS, TYPE B, 9"
- ㉓ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS

FILE NAME = D160L72-sht-typical.dgn	USER NAME = rdonley	DESIGNED - JWM	REVISED -
		DRAWN - JWM	REVISED -
		CHECKED -	REVISED -
MODELNAME	PLOT DATE = 10/22/2014	DATE - 10/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
108TH AVENUE**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

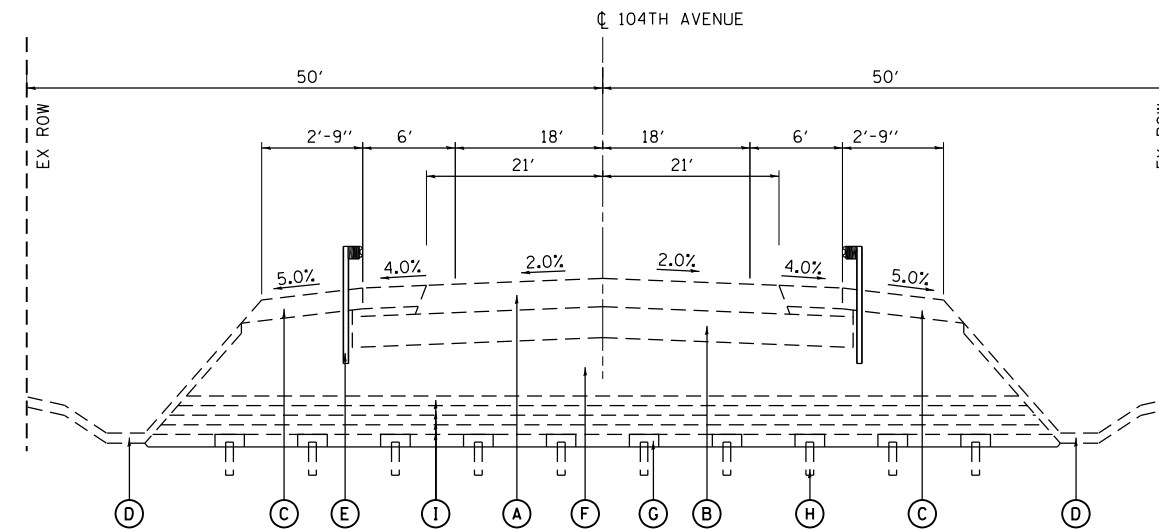
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	50
CONTRACT NO. 60L72			ILLINOIS FED. AID PROJECT	

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT, 12"
- (B) EXISTING AGGREGATE SUBGRADE, 12"
- (C) EXISTING HMA SHOULDER
- (D) EXISTING TOPSOIL
- (E) EXISTING GUARDRAIL
- (F) EXISTING AGGREGATE EMBANKMENT
- (G) EXISTING CONCRETE CAP
- (H) EXISTING TIMBER PILE
- (I) EXISTING BIAXIAL GEOGRID

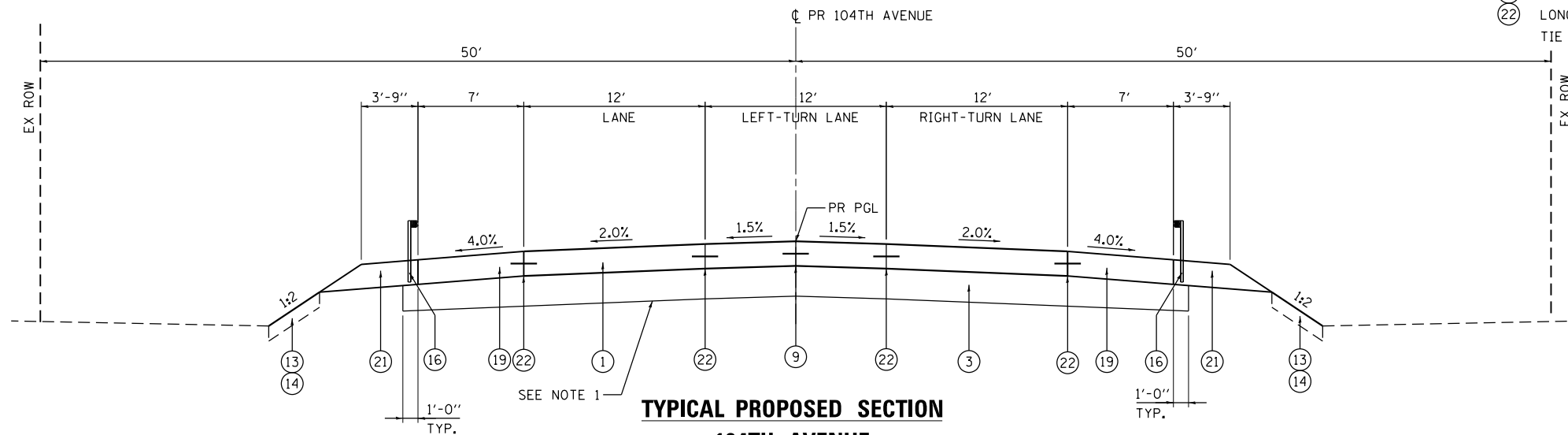
PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (2) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (4) NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (7) PROPOSED TOPSOIL, 24" - SEE NOTE 4 ON SHEET 41
- (8) CONCRETE MEDIAN SURFACE, 4"
- (9) LONGITUDINAL SAWED JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- (10) CONCRETE MEDIAN, TYPE SB (SPECIAL)
- (11) COARSE AGGREGATE FILL
- (12) DRY LAND BRIDGE (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- (13) PROPOSED TOPSOIL, 6" (SEE NOTE 4 ON SHEET 41)
- (14) SEE LANDSCAPE PLANS FOR PROPOSED GROUNDCOVER
- (15) MULTIUSE PATH, FOR MORE DETAILS SEE SHEET 52
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (17) RETAINING WALL (SEE STRUCTURAL DRAWINGS FOR DETAILS)
- (18) NOT USED
- (19) PORTLAND CEMENT CONCRETE SHOULDERS 8"
- (20) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (21) AGGREGATE SHOULDERS, TYPE B, 9"
- (22) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS



EXISTING TYPICAL SECTION

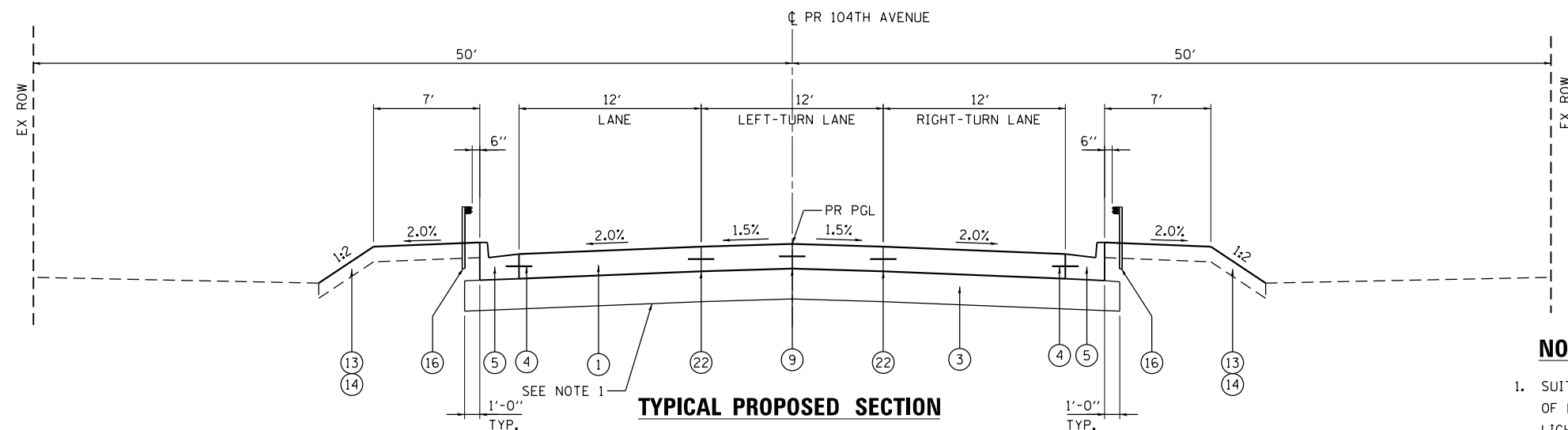
STA. 17+59 TO STA. 20+00



TYPICAL PROPOSED SECTION

104TH AVENUE

STA. 17+59.00 TO STA. 18+15.00



TYPICAL PROPOSED SECTION

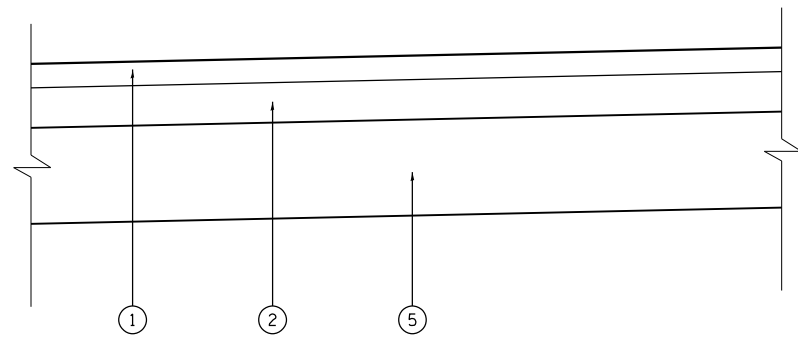
104TH AVENUE

STA. 18+15.00 TO STA. 19+17.11

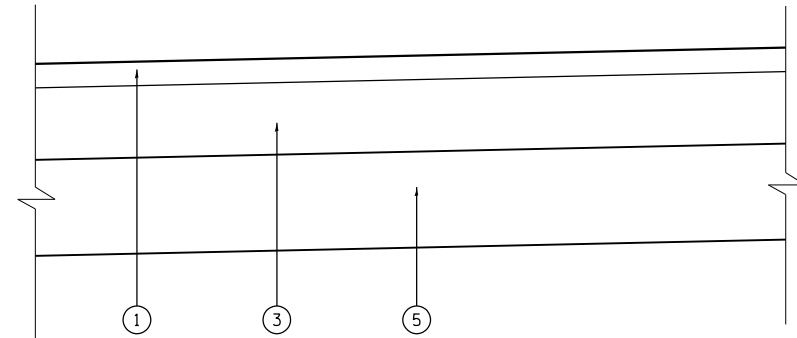
NOTES

1. SUITABLE EMBANKMENT USED FOR 104TH AVENUE SHALL CONSIST OF LIGHTWEIGHT CELLULAR CONCRETE FILL. CONSTRUCTION OF LIGHTWEIGHT CELLULAR CONCRETE FILL SHALL NOT IMPACT EXISTING GEOGRID OR TIMBER PILES.

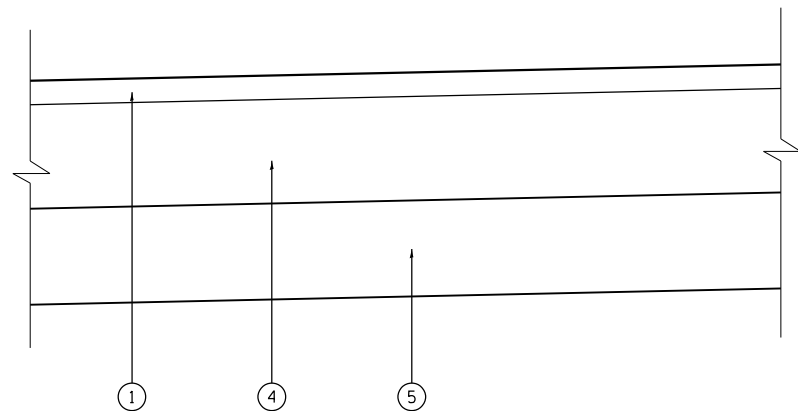
FILE NAME = D160L72-sht-typical.dgn	USER NAME = rdenley	DESIGNED - JWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS 104TH AVENUE			F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 51
MODELNAME	PLOT SCALE = 1:100	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60L72		
	PLOT DATE = 10/28/2014	DATE = 10/28/14	REVISED -		ILLINOIS FED. AID PROJECT							



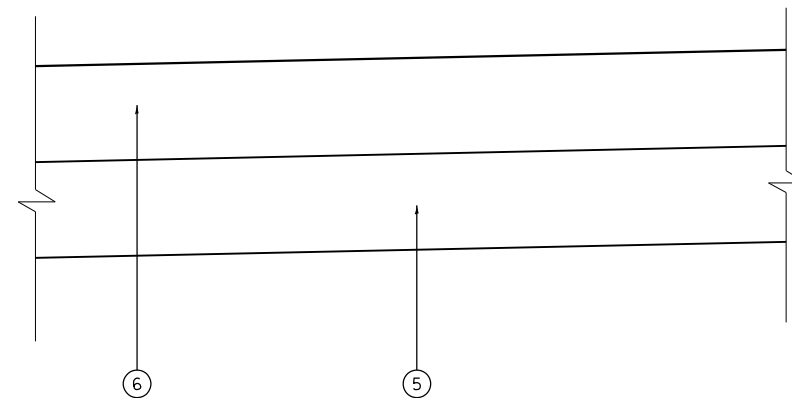
**HMA MULTI-USE PATH
TYPICAL PROPOSED SECTION**



**HMA MULTI-USE PATH
PROPOSED SECTION THRU PRIVATE ENTRANCE**



**HMA MULTI-USE PATH
PROPOSED SECTION THRU COMMERCIAL ENTRANCE**



**HMA MULTI-USE PATH
PROPOSED SECTION AT CURB RAMPS**

NOTES

1. MULTI-USE PATH SHALL BE COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT (ADA). FOR MULTI-USE PATH THE MAXIMUM RUNNING SLOPE IS 5% AND THE MAXIMUM CROSS SLOPE IS 2%.
2. SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART FOR MIXTURE DESIGN ON SHEET 41

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 1 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2 1/2"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 4 1/2"
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6 1/2"
- ⑤ AGGREGATE BASE COURSE, TYPE B 6"
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK, 6"

FILE NAME = D160L72-sh-t-typical.dgn	USER NAME = jwMiller	DESIGNED - JWM	REVISED -
		DRAWN - JWM	REVISED -
	PLOT SCALE = 1:100	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 10/23/2014	DATE - 10/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
MULTI-USE PATH**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	52
CONTRACT NO. 60L72			ILLINOIS FED. AID PROJECT	

Table with columns: EARTHWORK SCHEDULE, PRE-STAGE 1, STAGE 1, STAGE 2, STAGE 3. Rows include stationing from 159TH STREET to STA. 348+00 TO STA. 349+00. Columns include EARTH EX., EXCAVATION USED AS EMBANKMENT, ADJ. FOR SHRINKAGE (15%), EMBANKMENT, EARTHWORK BALANCE WASTE (+), TOPSOIL EX. AND PLACE, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, PGES, and various material quantities in CU YD.

• UNSUITABLE MATERIALS INCLUDE EXCESS TOPSOIL AND MATERIAL REMOVED WITHIN UNDERCUTS
• SUITABLE EMBANKMENT USED FOR 104TH AVENUE SHALL CONSIST OF LIGHTWEIGHT CELLULAR CONCRETE FILL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

Table with fields: FILE NAME, USER NAME, DESIGNED, REVISED, DRAWN, CHECKED, DATE, SCALE, SHEET, OF SHEETS, STA., TO STA., F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

DRIVEWAYS SCHEDULE																			
STATION	OFFSET	DESCRIPTION	AREA (SQ FT)	20200100 EARTH EXCAVATION AGGREGATE DRIVEWAY (CU YD)	44000200 DRIVEWAY PAVEMENT REMOVAL (SQ YD)	44003100 MEDIAN REMOVAL (SQ FT)	44000300 CURB REMOVAL (FT)	44000500 COMB. CONC. C&G REMOVAL (FT)	60600605 CONCRETE CURB TYPE B (LF)	60603800 COMB. CONC. C&G B-6.12 (FT)	60605000 COMB. CONC. C&G B-6.24 (FT)	40603335 HMA SURFACE COURSE, MIX "D", N50, 2" (TON)	35501308 HMA BASE COURSE, 6" (SQ YD)	35501316 HMA BASE COURSE, 8" (SQ YD)	42300400 PCC DRIVEWAY PAVEMENT, 8" (SQ YD)	35102000 AGGREGATE BASE COURSE, TYPE B, 8" (SQ YD)	48300300 PORTLAND CEMENT CONCRETE SHOULDERS 8" (SQ YD)	60618300 CONCRETE MEDIAN SURFACE, 4" (SQ FT)	
159TH STREET																			
286+00.00	LT	HMA PE	337.54	19								4.2	38						
286+93.90	RT	HMA PE	525.09	25								6.5	58						
288+42.90	LT	HMA PE	309.99	27								3.9	34						
294+00.00	LT	HMA PE	855.13	74								10.6	95						
294+59.30	LT	HMA PE	497.44		161							6.2	55						
296+04.11	LT	HMA PE	334.78		146							4.2	37						
304+42.80	RT	HMA FE	615.00	15								7.7				69			
311+87.50	RT	HMA PE	236.15	20								2.9	26						
318+00.00	LT	HMA PE	908.54	14			49		69			11.3	101						
318+92.10	RT	HMA CE	2671.63		366			264		151		33.2		297					
323+23.20	RT	HMA CE	794.14		215			136		67		9.9		88					
324+40.40	LT	HMA PE	373.94	26								4.7	42						
326+12.20	LT	CONC/HMA CE	889.59		127		83	96	83		69	7.0		62	36.3				
327+34.00	LT	CONC CE	1284.59		250		35	99	106						142.7				
331+68.10	RT	HMA CE	361.34		109		18	66	3		44	4.5		40					
334+62.50	LT	HMA CE	1000.30		141	347		182			163	12.4		111					93
335+01.50	RT	HMA FE	566.92	14								7.1				63			
341+68.44	LT	HMA CE	1539.22		226			103			86	19.2		171					
347+95.40	LT	HMA PE	299.42	8	38							3.7	33						
347+97.60	RT	CONC CE	3380.41		377			195		12	167				375.6				
359+32.20	RT	HMA CE	1639.26		217	513		162			114	20.4		182					
364+44.90	RT	HMA CE	940.99		172		12	106	22	70		11.7		105					
368+02.60	LT	HMA CE	1163.75		216			83	117			14.5		129					
369+72.40	RT	HMA FE	305.55	27								3.8				34			
370+41.12	LT	HMA CE	741.58	57								9.2		82					
375+61.20	RT	HMA FE	729.36		71							9.1				81			
390+68.20	RT	HMA PE	1532.22		296							19.1	170						
391+54.00	LT	HMA PE	1065.31		124							13.3	118						
391+64.80	RT	HMA CE	1131.50	88	78							14.1		126					
403+00.00	LT	HMA PE	924.32	28								11.5	103						
406+89.00	RT	HMA CE	3210.59		590	2,720		587			240	40.0		357					
WOLF ROAD																			
5+46.97	RT	HMA CE	503.88		97							6.3		56					
10+05.40	LT	HMA FE	497.17	9								6.2				56			
11+57.70	LT	HMA CE	592.10	26					79			7.4		66					
11+96.70	LT	HMA CE	590.20	26					77			7.3		66					
15+47.19	RT	HMA PE	435.48	24								5.4	48						
16+11.10	LT	CONC CE	969.00		217			134			72				107.7				
17+62.00	RT	HMA CE	693.05		164		14	112	63			8.6		77					
23+42.19	RT	HMA CE	2076.19		302			126		66	114	25.8		231					290
24+60.70	LT	HMA CE	1128.32		256		70	75		83		14.0		125					
26+80.46	RT	HMA CE	2068.95		253			75			84	25.7		230					
29+78.70	RT	HMA PE	412.17	26								5.1	46						
31+31.69	LT	HMA PE	126.69		46							1.6	14						
31+71.63	LT	HMA PE	130.59		35							1.6	15						
108TH AVENUE																			
9+62.40	LT	CONC CE	2252.70		321										250.3		125		
16+65.20	RT	CONC CE	1290.24		135						84				143.4				
21+58.40	LT	HMA PE	858.08		87							10.7	95						
23+47.20	LT	HMA PE	746.84		85							9.3	83						
24+93.70	LT	HMA PE	463.02		46							5.8	52						
26+19.10	RT	HMA PE	430.08	11								5.4	48						
26+62.70	LT	HMA PE	431.73		41							5.4	48						
27+24.40	RT	HMA PE	572.51	17								7.1	64						
TOTAL				580	6,004	3,580	281	2,601	619	449	1,237	484.6	1,423	2,601	1,056	303	125		383

FILE NAME = D:\60L72-sht-schedule.dgn
 MODELNAME

USER NAME = jwmiller
 PLOT SCALE = 1:1000
 PLOT DATE = 10/24/2014

DESIGNED - JWM
 DRAWN - JWM
 CHECKED -
 DATE - 10/28/14

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L72	

TREE REMOVAL					
LOCATION	STATION	OFFSET LEFT[-] RIGHT[+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
159th ST	281+01.53	-52.35	10	10	-
159th ST	281+03.99	-54.03	10	10	-
159th ST	281+07.65	-49.81	14	14	-
159th ST	281+20.58	-51.54	15	15	-
159th ST	281+22.13	51.19	42	-	42
159th ST	281+22.48	51.19	42	-	42
159th ST	281+27.60	-58.11	6	6	-
159th ST	281+36.09	-53.56	10	10	-
159th ST	281+36.77	-53.56	10	10	-
159th ST	281+42.67	-59.70	7	7	-
159th ST	281+42.96	-58.94	6	6	-
159th ST	281+52.66	52.06	14	14	-
159th ST	281+61.45	-52.64	15	15	-
159th ST	281+76.50	-56.46	15	15	-
159th ST	282+03.94	50.24	6	6	-
159th ST	282+07.20	52.65	12	12	-
159th ST	282+14.46	-49.02	10	10	-
159th ST	282+23.10	-55.77	6	6	-
159th ST	282+28.09	-60.97	7	7	-
159th ST	282+31.79	-66.67	32	-	32
159th ST	282+32.12	-67.39	30	-	30
159th ST	282+35.19	60.18	12	12	-
159th ST	282+36.45	58.41	12	12	-
159th ST	282+38.84	49.35	6	6	-
159th ST	282+44.79	56.23	12	12	-
159th ST	282+44.97	50.55	6	6	-
159th ST	282+55.91	51.41	12	12	-
159th ST	282+76.97	48.84	15	15	-
159th ST	282+78.59	-70.70	12	12	-
159th ST	282+84.89	-49.40	14	14	-
159th ST	282+96.86	-52.84	7	7	-
159th ST	282+97.54	-52.84	7	7	-
159th ST	283+00.96	51.11	12	12	-
159th ST	283+05.32	52.65	8	8	-
159th ST	283+05.58	-49.14	17	-	17
159th ST	283+07.79	-70.28	12	12	-
159th ST	283+10.87	-49.88	12	12	-
159th ST	283+26.07	-69.68	24	-	24
159th ST	283+30.83	-50.57	12	12	-
159th ST	283+31.51	-50.57	12	12	-
159th ST	283+39.12	-60.05	12	12	-
159th ST	283+58.72	-54.66	14	14	-
159th ST	283+63.22	-49.80	10	10	-
159th ST	283+63.90	-49.79	10	10	-
159th ST	283+73.87	58.30	40	-	40
159th ST	283+84.56	-49.90	12	12	-
159th ST	283+88.32	-50.88	12	12	-
159th ST	284+38.24	-50.76	8	8	-
159th ST	284+53.18	-49.21	8	8	-
159th ST	284+57.38	-58.96	8	8	-
159th ST	284+58.25	-50.71	8	8	-
159th ST	284+65.66	-59.35	12	12	-
159th ST	284+78.09	-49.79	15	15	-
159th ST	285+62.60	-57.41	12	12	-
159th ST	285+62.74	-48.88	14	14	-
159th ST	285+81.97	-55.08	12	12	-
159th ST	286+42.29	-48.99	24	-	24
159th ST	286+45.07	-49.82	12	12	-
159th ST	286+45.75	-49.82	12	12	-
159th ST	286+68.85	-52.33	6	6	-
159th ST	286+75.98	-50.75	6	6	-
159th ST	286+82.54	-50.54	6	6	-
159th ST	287+46.94	-61.79	38	-	38
159th ST	287+69.71	-65.19	24	-	24
159th ST	288+00.46	-58.18	48	-	48
159th ST	289+68.22	74.43	16	-	16
159th ST	289+79.99	-104.61	12	12	-
159th ST	289+80.47	65.11	18	-	18
159th ST	289+82.93	-82.40	12	12	-
159th ST	289+85.72	67.94	16	-	16

SCHEDULE OF TREE REMOVALS					
LOCATION	STATION	OFFSET LEFT[-] RIGHT[+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
159th ST	289+91.74	-83.33	12	12	-
159th ST	289+99.73	54.21	12	12	-
159th ST	290+04.38	53.17	12	12	-
159th ST	290+17.00	-76.29	12	12	-
159th ST	290+18.17	-107.11	12	12	-
159th ST	290+24.68	55.06	12	12	-
159th ST	290+25.85	-91.61	18	-	18
159th ST	290+29.42	67.76	12	12	-
159th ST	290+37.10	-99.33	12	12	-
159th ST	290+44.29	70.58	38	-	38
159th ST	290+55.67	-81.54	6	6	-
159th ST	290+61.12	-88.46	40	-	40
159th ST	290+61.73	-84.78	40	-	40
159th ST	290+62.18	58.26	15	15	-
159th ST	290+72.52	-90.81	6	6	-
159th ST	290+85.25	-74.58	6	6	-
159th ST	290+86.07	60.09	12	12	-
159th ST	290+87.40	77.73	12	12	-
159th ST	290+88.17	-77.24	6	6	-
159th ST	290+94.01	-88.79	12	12	-
159th ST	290+98.84	-76.46	12	12	-
159th ST	291+00.70	49.99	22	-	22
159th ST	291+07.62	-93.37	10	10	-
159th ST	291+40.51	69.18	14	14	-
159th ST	291+44.24	58.99	15	15	-
159th ST	291+59.55	66.85	14	14	-
159th ST	291+67.95	69.02	22	-	22
159th ST	291+71.24	-86.55	18	-	18
159th ST	291+80.55	67.76	18	-	18
159th ST	291+80.84	53.79	18	-	18
159th ST	291+81.75	56.91	18	-	18
159th ST	291+82.81	64.12	18	-	18
159th ST	291+88.32	55.45	18	-	18
159th ST	291+88.63	53.28	15	15	-
159th ST	291+89.88	56.52	18	-	18
159th ST	291+91.36	54.68	18	-	18
159th ST	291+91.65	-88.51	16	-	16
159th ST	292+06.09	-88.34	26	-	26
159th ST	292+07.31	60.27	12	12	-
159th ST	292+22.89	50.80	16	-	16
159th ST	292+39.32	-82.76	12	12	-
159th ST	292+64.63	77.31	8	8	-
159th ST	292+69.51	54.13	16	-	16
159th ST	292+70.72	52.83	16	-	16
159th ST	292+75.58	77.49	42	-	42
159th ST	292+84.88	68.47	18	-	18
159th ST	292+94.34	76.19	12	12	-
159th ST	292+94.74	61.82	12	12	-
159th ST	293+07.55	58.99	12	12	-
159th ST	293+14.54	65.00	12	12	-
159th ST	293+20.40	84.26	16	-	16
159th ST	293+28.60	74.18	8	8	-
159th ST	293+42.44	64.77	24	-	24
159th ST	293+45.56	51.33	12	12	-
159th ST	293+47.41	53.10	12	12	-
159th ST	293+53.34	63.71	12	12	-
159th ST	293+61.83	62.75	12	12	-
159th ST	293+64.54	53.27	12	12	-
159th ST	293+64.56	52.49	12	12	-
159th ST	293+72.82	75.43	12	12	-
159th ST	293+82.82	59.36	12	12	-
159th ST	293+83.72	77.54	12	12	-
159th ST	293+83.76	56.65	12	12	-
159th ST	293+86.28	62.37	12	12	-
159th ST	294+02.20	72.89	22	-	22
159th ST	294+02.57	88.52	12	12	-
159th ST	294+08.58	59.16	60	-	60
159th ST	294+08.85	57.20	18	-	18
159th ST	294+09.19	56.73	18	-	18
159th ST	294+09.37	58.81	18	-	18

FILE NAME = D:\60L72-shr-schedule.dgn	USER NAME = jwmiller	DESIGNED - JWM	REVISED -
		DRAWN - JWM	REVISED -
#MODELNAME#	PLOT SCALE = 1:1000	CHECKED -	REVISED -
	PLOT DATE = 10/24/2014	DATE - 10/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	57
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L72	

SCHEDULE OF TREE REMOVALS					
LOCATION	STATION	OFFSET LEFT[-] RIGHT [+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
159th ST	294+21.06	98.21	12	12	-
159th ST	294+35.72	65.49	30	-	30
159th ST	294+36.93	62.22	12	12	-
159th ST	294+39.00	77.92	30	-	30
159th ST	294+40.76	77.00	12	12	-
159th ST	294+50.76	79.41	30	-	30
159th ST	294+51.01	79.31	12	12	-
159th ST	294+52.26	54.24	12	12	-
159th ST	294+65.77	49.20	6	6	-
159th ST	294+68.21	57.40	12	12	-
159th ST	294+78.87	87.94	32	-	32
159th ST	294+82.84	53.26	12	12	-
159th ST	294+84.01	60.00	15	15	-
159th ST	294+84.17	96.54	8	8	-
159th ST	294+84.69	60.00	15	15	-
159th ST	295+04.68	59.54	15	15	-
159th ST	295+05.25	59.54	15	15	-
159th ST	295+07.78	56.81	10	10	-
159th ST	295+12.45	56.92	10	10	-
159th ST	295+13.98	57.35	12	12	-
159th ST	295+18.26	82.19	36	-	36
159th ST	295+18.71	81.72	30	-	30
159th ST	295+19.06	81.25	36	-	36
159th ST	295+23.91	66.51	10	10	-
159th ST	295+40.35	67.00	30	-	30
159th ST	295+44.94	51.27	14	14	-
159th ST	295+54.30	89.10	18	-	18
159th ST	295+54.80	88.51	30	-	30
159th ST	295+60.96	70.03	12	12	-
159th ST	295+65.77	55.74	36	-	36
159th ST	295+70.27	50.01	12	12	-
159th ST	295+80.82	87.06	14	14	-
159th ST	295+84.97	60.96	10	10	-
159th ST	295+96.23	59.41	20	-	20
159th ST	296+00.34	52.11	12	12	-
159th ST	296+09.95	58.58	30	-	30
159th ST	296+11.91	73.76	6	6	-
159th ST	296+15.01	94.36	18	-	18
159th ST	296+36.17	61.99	12	12	-
159th ST	296+36.53	52.51	20	-	20
159th ST	296+37.82	63.23	16	-	16
159th ST	296+73.78	58.85	32	-	32
159th ST	296+76.91	59.11	30	-	30
159th ST	296+77.71	-79.12	12	12	-
159th ST	296+79.36	49.62	32	-	32
159th ST	296+86.54	50.09	15	15	-
159th ST	297+03.56	59.08	26	-	26
159th ST	297+04.86	58.62	24	-	24
159th ST	297+16.47	61.91	12	12	-
159th ST	297+16.67	61.80	12	12	-
159th ST	297+18.37	47.92	14	14	-
159th ST	297+46.88	-70.26	10	10	-
159th ST	297+53.41	-47.37	12	12	-
159th ST	297+55.04	-72.74	10	10	-
159th ST	297+66.27	-49.17	10	10	-
159th ST	297+79.63	64.62	6	6	-
159th ST	297+84.20	-39.56	14	14	-
159th ST	297+92.54	63.09	6	6	-
159th ST	298+17.72	61.70	14	14	-
159th ST	298+37.89	-66.12	12	12	-
159th ST	298+38.91	-76.11	6	6	-
159th ST	298+51.98	71.72	12	12	-
159th ST	298+58.29	-80.42	12	12	-
159th ST	298+70.81	-31.92	14	14	-
159th ST	298+73.53	32.63	10	10	-
159th ST	298+73.96	33.79	38	-	38
159th ST	298+75.80	-92.27	12	12	-
159th ST	298+90.07	35.13	36	-	36
159th ST	299+18.81	30.69	12	12	-
159th ST	299+44.02	33.90	38	-	38

SCHEDULE OF TREE REMOVALS					
LOCATION	STATION	OFFSET LEFT[-] RIGHT [+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
159th ST	299+80.40	29.36	14	14	-
159th ST	299+96.83	-40.92	7	7	-
159th ST	299+98.57	64.45	6	6	-
159th ST	300+03.23	29.20	10	10	-
159th ST	300+15.37	-31.19	36	-	36
159th ST	300+21.48	73.53	12	12	-
159th ST	300+24.88	-49.96	18	-	18
159th ST	300+25.17	26.77	6	6	-
159th ST	300+26.14	26.64	10	10	-
159th ST	300+35.88	35.74	42	-	42
159th ST	300+46.68	-25.40	7	7	-
159th ST	300+53.83	66.28	12	12	-
159th ST	300+71.34	25.85	10	10	-
159th ST	300+85.36	70.72	6	6	-
159th ST	300+87.72	27.01	15	15	-
159th ST	300+94.27	-44.54	6	6	-
159th ST	301+04.27	-25.11	12	12	-
159th ST	301+07.21	59.70	6	6	-
159th ST	301+11.47	-24.26	6	6	-
159th ST	301+15.09	-24.79	6	6	-
159th ST	301+27.97	-47.53	6	6	-
159th ST	301+45.16	26.74	15	15	-
159th ST	301+69.59	-27.19	7	7	-
159th ST	301+73.19	30.57	6	6	-
159th ST	301+89.99	26.98	14	14	-
159th ST	301+98.33	-24.18	7	7	-
159th ST	301+99.23	26.98	10	10	-
159th ST	302+06.71	-25.75	7	7	-
159th ST	302+16.59	-33.85	12	12	-
159th ST	302+20.30	-27.22	7	7	-
159th ST	302+20.90	27.26	7	7	-
159th ST	302+59.62	246.56	36	-	36
159th ST	302+88.71	66.88	24	-	24
159th ST	303+37.86	-48.93	20	-	20
159th ST	303+54.03	-26.97	18	-	18
159th ST	304+15.59	-53.07	15	15	-
159th ST	306+59.18	51.48	12	12	-
159th ST	308+14.58	53.58	12	12	-
159th ST	308+69.01	51.15	10	10	-
159th ST	308+69.86	51.15	10	10	-
159th ST	308+77.85	-92.23	15	15	-
159th ST	308+77.85	-92.23	15	15	-
159th ST	309+02.03	49.32	8	8	-
159th ST	309+12.06	53.24	12	12	-
159th ST	309+29.81	49.17	12	12	-
159th ST	309+77.28	49.31	6	6	-
159th ST	315+53.29	53.84	6	6	-
159th ST	315+71.80	68.50	6	6	-
159th ST	315+74.50	53.83	6	6	-
159th ST	315+79.44	65.71	42	-	42
159th ST	315+81.72	53.83	6	6	-
159th ST	322+07.15	-89.33	12	12	-
159th ST	322+07.15	-89.33	12	12	-
159th ST	322+07.15	-89.33	12	12	-
159th ST	324+14.78	-71.77	20	-	20
159th ST	324+15.72	-72.61	18	-	18
159th ST	326+12.62	69.75	12	12	-
159th ST	326+52.93	68.93	12	12	-
159th ST	326+93.72	68.13	12	12	-
159th ST	327+34.90	68.57	12	12	-
159th ST	327+74.97	68.82	12	12	-
159th ST	328+18.05	70.18	14	14	-
159th ST	328+20.81	101.72	14	14	-
159th ST	328+21.09	142.69	14	14	-
159th ST	329+73.01	81.92	9	9	-
159th ST	329+73.01	81.92	9	9	-
159th ST	329+73.01	81.92	9	9	-
159th ST	329+73.01	81.92	12	12	-
159th ST	337+25.37	71.34	24	-	24

FILE NAME = D160L72-sht-schedule.dgn	USER NAME = jwmiller	DESIGNED - JWM	REVISED -
		DRAWN - JWM	REVISED -
#MODELNAME#	PLOT SCALE = 1:1000	CHECKED -	REVISED -
	PLOT DATE = 10/24/2014	DATE - 10/28/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES		
SCALE: N.T.S.	SHEET 6	OF 12 SHEETS
STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	58
		CONTRACT NO. 60L72		
ILLINOIS FED. AID PROJECT				

SCHEDULE OF TREE REMOVALS					
LOCATION	STATION	OFFSET LEFT[-] RIGHT [+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
159th ST	343+07.61	83.87	12	12	-
159th ST	343+37.36	83.86	12	12	-
159th ST	343+62.91	81.09	12	12	-
159th ST	343+93.82	81.08	12	12	-
159th ST	344+20.42	82.76	12	12	-
159th ST	344+36.97	82.76	12	12	-
159th ST	344+53.52	82.75	12	12	-
159th ST	344+67.74	82.75	12	12	-
159th ST	344+84.00	82.75	12	12	-
159th ST	345+00.25	82.74	12	12	-
159th ST	345+13.17	82.74	12	12	-
159th ST	345+99.51	-63.04	12	12	-
159th ST	346+38.77	84.70	12	12	-
159th ST	352+32.83	-49.44	8	8	-
159th ST	352+39.30	-56.15	8	8	-
159th ST	352+47.03	-49.60	8	8	-
159th ST	352+53.67	-55.84	8	8	-
159th ST	352+62.86	-48.21	8	8	-
159th ST	352+76.53	-59.94	8	8	-
159th ST	354+46.38	-86.38	14	14	-
159th ST	357+90.85	60.26	6	6	-
159th ST	358+21.24	62.76	6	6	-
159th ST	358+51.47	63.88	6	6	-
159th ST	372+84.31	-51.13	6	6	-
159th ST	372+87.48	-49.98	7	7	-
159th ST	375+63.48	-50.42	16	-	16
159th ST	375+63.48	-50.42	20	-	20
159th ST	377+78.30	-51.13	7	7	-
159th ST	377+92.89	-50.23	22	-	22
159th ST	378+07.34	-47.73	6	6	-
159th ST	378+15.07	-48.09	6	6	-
159th ST	378+15.36	-47.96	11	11	-
159th ST	378+16.37	-48.29	16	-	16
159th ST	378+42.36	-55.92	10	10	-
159th ST	379+13.13	-41.52	9	9	-
159th ST	379+19.45	57.41	8	8	-
159th ST	379+26.29	-36.74	13	13	-
159th ST	379+47.34	-34.77	9	9	-
159th ST	379+56.47	-37.70	9	9	-
159th ST	379+63.22	-37.72	9	9	-
159th ST	379+65.27	-54.34	14	14	-
159th ST	379+67.58	-53.73	26	-	26
159th ST	379+73.17	-62.51	20	-	20
159th ST	379+80.76	-63.02	24	-	24
159th ST	379+84.14	-63.67	12	12	-
159th ST	380+06.32	49.87	10	10	-
159th ST	380+29.13	49.84	10	10	-
159th ST	380+71.10	52.97	10	10	-
159th ST	380+92.71	-64.25	10	10	-
159th ST	381+12.36	-58.99	8	8	-
159th ST	381+19.60	-53.42	8	8	-
159th ST	381+50.17	-73.63	6	6	-
159th ST	381+50.81	-51.00	6	6	-
159th ST	381+52.64	-62.02	9	9	-
159th ST	381+59.58	-65.06	9	9	-
159th ST	381+69.98	-67.41	9	9	-
159th ST	381+90.52	-64.88	6	6	-
159th ST	383+01.01	-29.96	6	6	-
159th ST	384+53.04	-30.19	6	6	-
159th ST	384+53.05	46.60	10	10	-
159th ST	384+64.40	-30.21	6	6	-
159th ST	385+01.01	63.34	8	8	-
159th ST	387+96.74	70.53	12	12	-
159th ST	388+21.32	64.55	9	9	-
159th ST	388+26.33	66.73	9	9	-
159th ST	389+95.13	-57.94	10	10	-
159th ST	390+22.25	-32.99	9	9	-
159th ST	390+42.97	-32.02	6	6	-
159th ST	390+44.13	-32.77	10	10	-
159th ST	390+86.88	-30.13	6	6	-

SCHEDULE OF TREE REMOVALS					
LOCATION	STATION	OFFSET LEFT[-] RIGHT [+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
159th ST	391+06.97	-30.75	8	8	-
159th ST	391+12.75	-33.74	6	6	-
159th ST	391+14.80	-33.22	8	8	-
159th ST	391+14.95	-56.80	8	8	-
159th ST	391+16.22	-31.26	16	-	16
159th ST	391+24.15	-31.26	8	8	-
159th ST	391+25.32	-29.75	6	6	-
159th ST	391+28.59	-52.77	12	12	-
159th ST	391+30.80	-52.51	12	12	-
159th ST	391+31.03	-31.94	8	8	-
159th ST	391+31.47	-52.60	8	8	-
159th ST	391+33.98	-31.20	6	6	-
159th ST	391+34.39	-32.10	6	6	-
159th ST	391+37.89	-53.61	10	10	-
159th ST	391+73.71	-54.76	46	-	46
159th ST	391+95.34	-31.53	13	13	-
159th ST	391+99.45	-56.43	12	12	-
159th ST	392+00.55	-56.12	10	10	-
159th ST	392+13.92	-53.49	18	-	18
159th ST	392+19.25	-31.49	8	8	-
159th ST	392+19.49	-31.30	8	8	-
159th ST	392+22.23	-54.28	7	7	-
159th ST	392+37.08	-31.54	8	8	-
159th ST	392+43.24	-33.68	7	7	-
159th ST	392+43.92	-33.68	7	7	-
159th ST	392+44.60	-33.68	7	7	-
159th ST	392+45.29	-33.68	7	7	-
159th ST	392+45.97	-33.68	7	7	-
159th ST	392+81.50	-32.72	6	6	-
159th ST	392+85.09	-55.69	22	-	22
159th ST	392+87.61	-31.29	6	6	-
159th ST	392+95.61	-32.13	8	8	-
159th ST	392+96.29	-32.13	8	8	-
159th ST	393+19.97	-60.36	18	-	18
159th ST	393+24.29	-56.12	10	10	-
159th ST	393+51.58	-31.56	9	9	-
159th ST	393+51.69	-31.42	12	12	-
159th ST	393+64.26	-31.43	12	12	-
159th ST	393+81.28	-32.86	24	-	24
159th ST	394+56.38	-54.59	20	-	20
159th ST	394+89.01	-33.77	14	14	-
159th ST	395+23.69	-32.47	14	14	-
159th ST	398+30.26	-60.29	12	12	-
159th ST	398+71.15	-61.64	12	12	-
159th ST	398+87.32	-64.31	26	-	26
159th ST	399+01.41	-63.63	9	9	-
159th ST	399+88.05	-29.73	10	10	-
159th ST	400+17.67	-31.60	10	10	-
159th ST	400+64.00	-34.79	8	8	-
159th ST	401+12.36	-32.83	12	12	-
159th ST	401+27.58	-29.33	6	6	-
159th ST	401+39.32	-31.60	6	6	-
159th ST	401+40.55	-50.64	10	10	-
159th ST	401+57.85	-54.34	16	-	16
159th ST	401+90.15	-29.89	8	8	-
159th ST	401+99.77	-32.01	10	10	-
159th ST	402+18.06	-51.35	12	12	-
159th ST	402+21.76	-51.30	10	10	-
159th ST	402+73.64	-54.13	20	-	20
159th ST	403+15.60	-54.74	16	-	16
159th ST	403+43.72	-56.74	45	-	45
159th ST	403+51.94	-57.66	12	12	-
159th ST	403+52.00	-53.92	8	8	-
159th ST	403+55.99	-58.57	42	-	42
159th ST	403+58.45	-38.28	9	9	-
159th ST	403+99.64	-39.00	9	9	-
159th ST	404+88.42	-63.14	10	10	-
159th ST	405+94.92	-68.50	12	12	-
WOLF RD	14+20.89	50.86	12	12	-
WOLF RD	14+38.22	50.80	15	15	-

FILE NAME = D:\60L72-sh-t-schedule.dgn
 USER NAME = jwmler
 PLOT SCALE = 1:100
 PLOT DATE = 10/24/2014

DESIGNED - JWM
 DRAWN - JWM
 CHECKED -
 DATE - 10/28/14
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L72	

SCHEDULE OF TREE REMOVALS					
LOCATION	STATION	OFFSET LEFT[-] RIGHT [+]	DIAMETER [IN]	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)
WOLF RD	15+01.90	54.02	15	15	-
WOLF RD	15+01.90	54.02	15	15	-
WOLF RD	15+01.90	54.02	15	15	-
WOLF RD	15+01.90	54.02	15	15	-
WOLF RD	21+31.26	-67.92	13	13	-
WOLF RD	21+69.39	-66.90	13	13	-
WOLF RD	22+04.64	-67.72	13	13	-
WOLF RD	22+39.02	-67.22	13	13	-
WOLF RD	22+74.05	-67.64	13	13	-
WOLF RD	23+09.04	-68.07	13	13	-
WOLF RD	23+43.88	-68.40	13	13	-
WOLF RD	23+79.24	-67.87	13	13	-
WOLF RD	24+13.64	-67.66	13	13	-
108th AVE	10+24.38	34.18	16	-	16
108th AVE	10+59.38	30.63	16	-	16
108th AVE	22+22.63	-58.43	15	15	-
108th AVE	22+85.76	-58.02	15	15	-
108th AVE	23+16.56	-57.81	15	15	-
108th AVE	23+73.82	-57.44	15	15	-
108th AVE	24+27.94	-57.39	36	-	36
108th AVE	25+46.48	-32.08	24	-	24
TOTAL				3,535	2,622

SCHEDULE OF TEMPORARY ACCESS				
STATION	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH	X4023000 TEMPORARY ACCESS (ROAD) EACH	X4024100 TEMPORARY ACCESS (WINTERIZE) SQ YD
159TH STREET				
281+00 TO 290+00	3	0	1	299
290+00 TO 305+00	4	0	0	220
305+00 TO 320+00	1	1	5	783
320+00 TO 335+00	1	6	1	926
335+00 TO 350+00	2	2	0	391
350+00 TO 365+00	0	2	1	323
365+00 TO 380+00	3	1	0	369
380+00 TO 395+00	2	1	0	236
395+00 TO 410+00	1	1	0	189
410+00 TO 425+00	0	0	0	0
425+00 TO 425+41.80	0	0	0	0
WOLF ROAD				
4+87.38 TO 32+85.76	4	8	1	1,220
108TH STREET				
8+00.00 TO 28+70.00	6	2	1	882
104TH STREET				
17+59.00 TO 20+00.00	0	0	0	0
TOTAL				
	27	24	10	5,839

TREE TRUNK PROTECTION			
LOCATION	STATION	OFFSET LEFT [-] RIGHT [+]	[EACH]
159th ST	282+47.36	-71.7	1
159th ST	282+47.91	-72.9	1
159th ST	282+52.16	-70.8	1
159th ST	282+91.25	-74.1	1
159th ST	287+09.23	67.7	1
159th ST	289+16.70	76.0	1
159th ST	290+24.80	86.7	1
159th ST	291+57.68	88.4	1
159th ST	292+05.43	83.3	1
159th ST	294+98.03	-61.9	1
159th ST	295+03.36	-60.0	1
159th ST	295+14.19	-62.7	1
159th ST	295+30.36	-68.5	1
159th ST	295+60.66	-72.7	1
159th ST	296+57.94	95.4	1
159th ST	296+72.74	-87.3	1
159th ST	296+77.84	89.7	1
159th ST	296+99.05	67.5	1
159th ST	297+20.06	86.6	1
159th ST	297+31.76	86.1	1
159th ST	298+01.74	80.5	1
159th ST	300+26.18	88.2	1
159th ST	302+51.68	97.3	1
159th ST	302+56.73	283.9	1
159th ST	302+59.62	246.6	1
159th ST	320+59.23	-76.3	1
159th ST	320+80.93	62.0	1
159th ST	321+69.64	62.5	1
159th ST	322+03.71	61.6	1
159th ST	322+30.83	62.2	1
159th ST	324+02.03	67.7	1
159th ST	324+08.61	-76.9	1
159th ST	324+27.89	67.7	1
159th ST	324+52.98	67.7	1
159th ST	325+09.43	78.9	1
159th ST	325+68.65	76.0	1
159th ST	346+76.60	-67.7	1
159th ST	346+98.23	-65.8	1
159th ST	354+36.62	-148.5	1
159th ST	354+39.95	-169.7	1
159th ST	354+47.00	-148.4	1
159th ST	354+56.31	-169.6	1
159th ST	354+57.37	-148.2	1
159th ST	356+22.82	77.4	1
159th ST	366+52.16	75.5	1
159th ST	392+95.87	-69.9	1
159th ST	406+49.15	-71.8	1
159th ST	406+54.63	-73.9	1
159th ST	406+63.38	112.1	1
159th ST	406+63.73	127.9	1
159th ST	406+68.78	141.9	1
159th ST	407+45.62	82.0	1
159th ST	424+62.68	0.7	1
159th ST	424+91.69	-1.0	1
159th ST	425+20.00	-1.1	1
WOLF RD	28+16.10	50.0	1
WOLF RD	29+60.94	58.2	1
108th AVE	13+76.63	52.5	1
108th AVE	30+05.69	49.0	1
108th AVE	30+46.75	47.1	1
TOTAL:			60

SCHEDULE OF SELECTIVE CLEARING	
STATION	20064800 SELECTIVE CLEARING UNIT
159TH STREET	
281+00 TO 290+00	2
290+00 TO 305+00	54
305+00 TO 320+00	82
320+00 TO 335+00	0
335+00 TO 350+00	0
350+00 TO 365+00	0
365+00 TO 380+00	33
380+00 TO 395+00	0
395+00 TO 410+00	4
410+00 TO 425+00	3
WOLF ROAD	
4+87.38 TO 32+85.76	0
108TH STREET	
8+00.00 TO 28+70.00	0
104TH STREET	
17+59.00 TO 20+00.00	0
TOTAL	
	178

SCHEDULE OF SAW CUTS	
STATION	44213200 SAW CUTS FOOT
159TH STREET	
281+00 TO 290+00	20
290+00 TO 305+00	97
305+00 TO 320+00	138
320+00 TO 335+00	183
335+00 TO 350+00	93
350+00 TO 365+00	157
365+00 TO 380+00	25
380+00 TO 395+00	0
395+00 TO 410+00	27
410+00 TO 425+00	0
WOLF ROAD	
4+87.38 TO 32+85.76	2,498
108TH STREET	
8+00.00 TO 28+70.00	202
104TH STREET	
17+59.00 TO 20+00.00	42
TOTAL	
	3,482

SCHEDULE OF COATS		
STATION	42001300 PROTECTIVE COAT SQ YD	40600275 BITUMINOUS MATERIALS (PRIME COAT) POUNDS
159TH STREET		
281+00 TO 290+00	6,738	0
290+00 TO 305+00	10,450	0
305+00 TO 320+00	12,425	0
320+00 TO 335+00	16,859	0
335+00 TO 350+00	11,363	0
350+00 TO 365+00	15,568	0
365+00 TO 380+00	6,935	0
380+00 TO 395+00	5,369	0
395+00 TO 410+00	5,949	0
410+00 TO 425+00	3,616	0
425+00 TO 425+41.80	0	0
WOLF ROAD		
4+87.38 TO 32+85.76	12,683	1,726
108TH STREET		
8+00.00 TO 28+70.00	12,385	0
104TH STREET		
17+59.00 TO 20+00.00	755	0
TOTAL		
	121,095	1,726

FILE NAME = D:\60L72-sht-schedule.dgn
 USER NAME = jwMiller
 DESIGNED - JWM
 DRAWN - JWM
 PLOT SCALE = 1:1000
 PLOT DATE = 10/24/2014
 CHECKED - JWM
 DATE - 10/28/14
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	60

CONTRACT NO. 60L72
 ILLINOIS FED. AID PROJECT

ITEM 42400800 DETECTABLE WARNINGS (SQ FT)			
LOCATION	STATION	OFFSET (RT/LT)	AREA (SQ FT)
159TH STREET	289+16.14	RT	24
159TH STREET	289+61.11	RT	24
159th STREET	305+43.14	LT	24
159th STREET	305+84.99	LT	24
159th STREET	308+73.23	LT	24
159th STREET	309+15.30	LT	24
159th STREET	312+27.55	LT	24
159th STREET	312+70.27	LT	24
159th STREET	315+45.29	LT	22
159th STREET	315+92.48	LT	22
159th STREET	318+46.43	RT	26
159th STREET	318+67.72	LT	26
159th STREET	319+17.91	LT	44
159th STREET	319+19.62	RT	44
159th STREET	322+01.97	LT	24
159th STREET	322+43.25	LT	24
159th STREET	322+97.48	RT	20
159th STREET	323+46.82	RT	20
159th STREET	328+05.86	RT	19
159th STREET	328+14.42	LT	50
159th STREET	328+24.02	RT	23
159th STREET	328+24.46	RT	19
159th STREET	328+41.13	RT	23
159th STREET	329+43.14	LT	23
159th STREET	329+49.84	LT	24
159th STREET	329+53.48	LT	20
159th STREET	329+53.48	RT	45
159th STREET	329+71.56	LT	20
159th STREET	347+55.21	RT	29
159th STREET	348+19.86	RT	20
159th STREET	354+42.40	RT	45
159th STREET	354+42.66	LT	65
159th STREET	355+82.77	RT	29
159th STREET	355+89.70	LT	47
159th STREET	356+02.02	RT	20
159th STREET	362+95.90	LT	29
159th STREET	364+05.52	LT	29
159th STREET	381+01.45	RT	46
159th STREET	381+03.62	LT	20
159th STREET	381+99.24	RT	36
159th STREET	406+48.59	RT	29
159th STREET	407+14.54	RT	25
Wolf Rd	26+59.78	LT	17
TOTAL			1,216

SCHEDULE OF REMOVALS							
STATION	44000100 PAVEMENT REMOVAL SQ YD	44000159 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" SQ YD	44000500 COMBINATION CURB AND GUTTER REMOVAL FOOT	44000600 SIDEWALK REMOVAL SQ FT	44003100 MEDIAN REMOVAL SQ FT	44004250 PAVED SHOULDER REMOVAL SQ YD	63200310 GUARDRAIL REMOVAL FOOT
159TH STREET							
281+00 TO 290+00	4,812	0	0	0	0	62	0
290+00 TO 305+00	5,553	0	0	0	0	104	951
305+00 TO 320+00	8,910	0	371	703	0	92	0
320+00 TO 335+00	14,531	0	1832	10327	347	704	0
335+00 TO 350+00	9,184	0	728	258	0	0	0
350+00 TO 365+00	15,310	0	4474	3067	2507	0	0
365+00 TO 380+00	6,082	0	916	0	0	258	201
380+00 TO 395+00	6,369	0	0	0	0	822	1666
395+00 TO 410+00	6,674	0	795	1759	2720	891	1350
410+00 TO 425+00	4,837	0	2477	0	1613	51	0
425+00 TO 425+41.8	15	0	0	0	0	0	0
WOLF ROAD							
6+01.40 TO 32+36.00	9,960	5191	1295	2279	0	1668	0
108TH STREET							
8+18.00 TO 28+70.00	14,757	0	2041	986	2257	0	0
104TH STREET							
17+59.00 TO 20+00.00	732	0	0	0	0	258	335
TOTAL	107,726	5,191	14,929	19,379	9,444	4,910	4,503

LANDSCAPING AND TEMPORARY STABILIZATION SCHEDULE													
STATION	25000210 SEEDING, CLASS 2A ACRE	25000310 SEEDING, CLASS 4 ACRE	25000314 SEEDING, CLASS 4B ACRE	25000400 NITROGEN FERTILIZER POUND	25000500 PHOSPHORUS FERTILIZER POUND	25000600 POTASSIUM FERTILIZER POUND	25200110 SODDING, SALT TOLERANT SQ YD	25000350 SEEDING, CLASS 7 ACRE	25100115 MULCH, METHOD 2 ACRE	25100135 MULCH, METHOD 4 ACRE	25100630 EROSION CONTR BLANKET SQ YD	25100900 TURF REINF MAT SQ YD	28000250 TEMP EROS CONTR SEED POUND
PERMANENT STABILIZATION AND PRESTAGE 1 TEMPORARY STABILIZATION													
159TH STREET													
281+00 TO 290+00	1.20	0.00	0.00	108	108	108	0	0.47	1.34	0.34	6,497	37	385
290+00 TO 305+00	2.30	3.30	1.20	441	441	441	0	2.08	7.20	1.80	34,845	380	2122
305+00 TO 320+00	2.30	1.00	0.00	483	483	483	244	1.08	3.59	0.90	17,395	0.00	1054
320+00 TO 335+00	0.80	0.10	0.00	117	117	117	2783	0.59	1.30	0.32	6,271	0.00	354
335+00 TO 350+00	1.80	0.20	0.00	198	198	198	1327	0.52	1.97	0.49	9,527	0.00	586
350+00 TO 365+00	1.50	0.20	0.00	171	171	171	1589	0.82	2.09	0.52	10,103	0.00	586
365+00 TO 380+00	1.20	1.70	0.30	300	300	300	1138	0.91	3.33	0.83	16,120	0.00	988
380+00 TO 395+00	0.60	1.70	0.10	216	216	216	0	0.63	2.50	0.63	12,113	0.00	751
395+00 TO 410+00	0.90	1.10	0.10	207	207	207	1316	0.53	2.12	0.53	10,256	0.00	636
410+00 TO 415+06.01	0.30	0.00	0.00	33	33	33	620	0.07	0.28	0.07	1,349	0.00	84
WOLF ROAD													
4+87.38 TO 18+00.00	0.90	0.10	0.00	102	102	102	934	0.58	1.29	0.32	6,240	0.00	353
18+00.00 TO 32+85.76	0.60	0.00	0.00	66	66	66	749	0.37	0.85	0.21	4,101	0.00	233
108TH STREET													
8+18.00 TO 18+00.00	0.90	0.10	0.00	90	90	90	170	0.75	1.53	0.38	7,402	0.00	410
18+00.00 TO 28+70.00	0.70	0.00	0.00	63	63	63	0	0.46	1.01	0.25	4,889	0.00	275
TOTAL	16.00	9.50	1.70	2,595	2,595	2,595	10,870	9.85	30.39	7.60	147,109	417	8,817
ROUNDED TOTAL	16.00	9.50	1.75	2,595	2,595	2,595	10,870	10.00	30.50	7.75	147,109	417	8,817

SCHEDULE OF TEMPORARY PAVEMENT MARKINGS							
STATION	70300100 SHORT TERM PAVT MKING FOOT	70301000 WORK ZONE PAVT MK REM SQ YD	X7030025 WET REF TEM TP T3 L&S FOOT	X7030030 WET REF TEM TAPE T3 4 FOOT	X7030040 WET REF TEM TAPE T3 6 FOOT	X7030050 WET REF TEM TAPE T3 12 FOOT	X7030055 WET REF TEM TAPE T3 24 FOOT
159TH STREET							
281+00 TO 290+00	374	1,820	0	8,465	22	378	13
290+00 TO 305+00	635	2,606	0	12,845	0	8	0
305+00 TO 320+00	761	3,361	109	13,078	485	571	96
320+00 TO 335+00	846	7,882	546	18,051	2,308	2,162	304
335+00 TO 350+00	677	4,796	146	15,447	546	883	18
350+00 TO 365+00	858	7,785	400	20,727	2,160	1,712	444
365+00 TO 380+00	689	2,871	0	13,527	0	9	174
380+00 TO 395+00	652	3,503	109	14,473	0	370	46
395+00 TO 410+00	600	3,078	0	14,831	0	35	95
410+00 TO 425+00	856	5,952	582	10,518	3,931	1,970	239
425+00 TO 425+41.80	158	621	36	363	1,082	0	0
WOLF ROAD							
4+87.38 TO 32+85.76	2,572	31,480	764	53,607	7,966	3,182	129
108TH STREET							
8+00.00 TO 28+70.00	2,230	31,838	582	61,953	8,244	2,863	730
104TH STREET							
17+59.00 TO 20+00.00	104	17	0	0	0	0	845
TOTAL	12,012	107,610	3,276	257,886	26,744	14,143	3,133

SCHEDULE OF CLASS D PATCHING						
ALIGNMENT	STATION	AREA (SY)	EX. PVMT DEPTH	TYPE	PAY ITEM NO.	PAY ITEM ABBR.
159TH ST	291+15.16	24.5	12	T3	44201794	CL D PATCH T3 12
159TH ST	315+05.00	36.4	12	T4	44201796	CL D PATCH T4 12
159TH ST	321+98.13	43.4	12	T4	44201796	CL D PATCH T4 12
159TH ST	328+45.00	89.9	12	T4	44201796	CL D PATCH T4 12
159TH ST	330+38.11	40.8	12	T4	44201796	CL D PATCH T4 12
159TH ST	331+30.00	40.8	12	T4	44201796	CL D PATCH T4 12
159TH ST	332+00.08	40.8	12	T4	44201796	CL D PATCH T4 12
159TH ST	333+30.00	40.8	12	T4	44201796	CL D PATCH T4 12
159TH ST	334+33.98	11.3	12	T2	44201789	CL D PATCH T2 12
159TH ST	334+59.00	44.1	12	T4	44201796	CL D PATCH T4 12
159TH ST	334+75.48	11.5	12	T2	44201789	CL D PATCH T2 12
159TH ST	336+01.00	34.3	12	T4	44201796	CL D PATCH T4 12
159TH ST	336+33.19	40.6	12	T4	44201796	CL D PATCH T4 12
159TH ST	337+50.00	32.6	12	T4	44201796	CL D PATCH T4 12
159TH ST	338+85.00	32.7	12	T4	44201796	CL D PATCH T4 12
159TH ST	340+38.00	31.3	12	T4	44201796	CL D PATCH T4 12
159TH ST	341+00.14	102.7	12	T4	44201796	CL D PATCH T4 12
159TH ST	342+35.96	32.6	12	T4	44201796	CL D PATCH T4 12
159TH ST	344+28.00	26.4	12	T4	44201796	CL D PATCH T4 12
159TH ST	346+17.00	17.7	14	T3	44201819	CL D PATCH T3 14
159TH ST	349+80.00	32.5	14	T4	44201821	CL D PATCH T4 14
159TH ST	351+82.00	32.4	14	T4	44201821	CL D PATCH T4 14
159TH ST	353+00.00	33.8	14	T4	44201821	CL D PATCH T4 14
159TH ST	354+15.64	50.6	14	T4	44201821	CL D PATCH T4 14
159TH ST	354+34.21	49.2	14	T4	44201821	CL D PATCH T4 14
159TH ST	358+66.01	41.5	14	T4	44201821	CL D PATCH T4 14
159TH ST	360+30.06	35.2	14	T4	44201821	CL D PATCH T4 14
159TH ST	361+60.26	36.3	14	T4	44201821	CL D PATCH T4 14
159TH ST	362+84.59	32.4	14	T4	44201821	CL D PATCH T4 14
159TH ST	364+23.50	28.6	14	T4	44201821	CL D PATCH T4 14
159TH ST	365+34.84	25.2	14	T4	44201821	CL D PATCH T4 14
159TH ST	366+44.54	23.6	14	T3	44201819	CL D PATCH T3 14
159TH ST	367+69.30	24.6	14	T3	44201819	CL D PATCH T3 14
159TH ST	390+94.80	23.3	12	T3	44201794	CL D PATCH T3 12
159TH ST	395+98.25	25.8	12	T4	44201796	CL D PATCH T4 12
159TH ST	401+20.58	29.9	12	T4	44201796	CL D PATCH T4 12
WOLF	13+79.00	30.8	11	T4	44201783	CL D PATCH T4 11
WOLF	14+79.00	32.9	11	T4	44201783	CL D PATCH T4 11
WOLF	15+69.00	40.0	11	T4	44201783	CL D PATCH T4 11
WOLF	15+93.12	28.5	11	T4	44201783	CL D PATCH T4 11
WOLF	16+67.00	40.5	11	T4	44201783	CL D PATCH T4 11
WOLF	17+94.00	40.3	11	T4	44201783	CL D PATCH T4 11
WOLF	18+74.92	37.5	11	T4	44201783	CL D PATCH T4 11
WOLF	21+02.00	44.4	11	T4	44201783	CL D PATCH T4 11
WOLF	21+89.00	41.9	11	T4	44201783	CL D PATCH T4 11
WOLF	22+76.00	49.3	11	T4	44201783	CL D PATCH T4 11
WOLF	23+92.00	53.1	11	T4	44201783	CL D PATCH T4 11
WOLF	25+08.00	36.9	11	T4	44201783	CL D PATCH T4 11
WOLF	26+24.00	38.4	11	T4	44201783	CL D PATCH T4 11
WOLF	28+46.05	26.7	11	T4	44201783	CL D PATCH T4 11
WOLF	32+00.00	26.1	11	T4	44201783	CL D PATCH T4 11
108TH	20+89.37	28.9	12	T4	44201796	CL D PATCH T4 12

SCHEDULE OF TEMPORARY SOIL RETENTION SYSTEM	
STATION	Z0073002 TEMPORARY SOIL RETENTION SYSTEM SQ FT
TEMPORARY SOIL RETENTION SYSTEM NO.1	1230
TEMPORARY SOIL RETENTION SYSTEM NO.2	1,264
TEMPORARY SOIL RETENTION SYSTEM NO.3	2,258
TEMPORARY SOIL RETENTION SYSTEM NO.4	1,722
TEMPORARY SOIL RETENTION SYSTEM NO.5	1,727
TEMPORARY SOIL RETENTION SYSTEM NO.6	1,980
TEMPORARY SOIL RETENTION SYSTEM NO.7	5,042
TEMPORARY SOIL RETENTION SYSTEM NO.8	637
TEMPORARY SOIL RETENTION SYSTEM NO.9	1,474
TEMPORARY SOIL RETENTION SYSTEM NO.10	1,474
TEMPORARY SOIL RETENTION SYSTEM NO.11	1,839
TOTAL	20,647

SCHEDULE OF CONCRETE AND RELATED ITEMS															
STATION	42000301 PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED) SQ YD	42000401 PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) SQ YD	42001420 BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) SQ YD	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT	42400300 PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH SQ FT	42400410 PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH SQ FT	48300300 PORTLAND CEMENT CONCRETE SHOULDERS 8" SQ YD	48300400 PORTLAND CEMENT CONCRETE SHOULDERS 9" SQ YD	60600605 CONCRETE CURB, TYPE B FOOT	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 FOOT	60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT	60608600 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 FOOT	60610400 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 FOOT	60618300 CONCRETE MEDIAN SURFACE, 4 INCH SQ FT	X6061100 CONCRETE MEDIAN, TYPE SB (SPECIAL) SQ FT
159TH STREET															
281+00 TO 290+00	0	5,776	0	0	264	0	0	0	0	179	3,199	0	0	0	123
290+00 TO 305+00	0	8,765	0	0	0	0	0	0	0	355	5,630	0	0	0	78
305+00 TO 320+00	0	10,612	0	372	1,560	0	0	0	69	623	5,772	0	0	0	404
320+00 TO 335+00	0	14,690	0	811	2,247	0	0	0	192	348	4,919	74	104	711	3,591
335+00 TO 350+00	0	9,307	0	52	262	0	0	0	0	347	5,571	0	0	0	201
350+00 TO 365+00	0	13,680	0	37	2,010	0	0	0	22	138	5,282	0	0	613	2,622
365+00 TO 380+00	0	4,296	534	0	0	0	0	0	117	0	5,340	0	320	3,089	1,403
380+00 TO 395+00	0	2,023	1,839	0	1,014	0	0	0	0	0	4,634	0	0	388	1,220
395+00 TO 410+00	0	2,549	1,613	0	284	0	0	0	0	0	6,234	0	0	0	0
410+00 TO 425+00	0	2,733	0	0	0	0	0	0	0	0	1,502	0	0	146	3,930
425+00 TO 425+41.80	0	10,328	0	0	0	0	0	0	0	0	0	0	0	0	0
WOLF ROAD															
4+87.38 TO 32+85.76	10957	0	0	1,320	76	299	0	890	219	182	3,565	0	0	290	2,599
108TH STREET															
8+00.00 TO 28+70.00	671	0	0	6,252	393	0	511	0	0	0	1,824	0	0	0	0
104TH STREET															
17+59.00 TO 20+00.00	0	0	0	0	0	0	84	0	0	0	0	0	0	0	0
TOTAL	11,628	84,759	3,986	8,844	8,110	299	595	890	619	2,172	53,472	74	424	5,237	16,171

SCHEDULE OF PAVEMENT MARKING AND RELATED ITEMS													
STATION	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS SQ FT	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT	78008200 POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS SQ FT	78008210 POLYUREA PAVEMENT MARKING TYPE I - LINE 4" FOOT	78008230 POLYUREA PAVEMENT MARKING TYPE I - LINE 6" FOOT	78008240 POLYUREA PAVEMENT MARKING TYPE I - LINE 8" FOOT	78008250 POLYUREA PAVEMENT MARKING TYPE I - LINE 12" FOOT	78008270 POLYUREA PAVEMENT MARKING TYPE I - LINE 24" FOOT	78100100 RAISED REFLECTIVE PAVEMENT MARKER EACH	
159TH STREET													
281+00 TO 290+00	0	0	0	0	0	37	394	261	0	125	13	62	
290+00 TO 305+00	0	0	0	0	0	63	750	362	0	0	0	80	
305+00 TO 320+00	64	90	184	244	26	131	633	1191	0	1120	180	68	
320+00 TO 335+00	0	0	0	0	0	377	670	2897	426	2010	267	72	
335+00 TO 350+00	0	0	0	0	0	68	765	510	0	0	18	80	
350+00 TO 365+00	0	0	0	0	0	260	666	2878	0	1736	264	72	
365+00 TO 380+00	0	0	0	0	0	32	711	839	0	134	144	78	
380+00 TO 395+00	0	0	0	0	0	104	670	767	0	562	96	66	
395+00 TO 410+00	0	0	0	0	0	16	917	0	0	0	19	84	
410+00 TO 432+54.78	0	0	0	0	0	436	791	1911	0	116	122	66	
WOLF ROAD													
1+17.00 TO 18+00.00	196	4,811	0	0	0	208	5192	1122	0	217	0	52	
22+00.00 TO 39+00.00	0	0	1026	155	0	104	96	556	0	0	0	30	
108TH STREET													
2+56.00 TO 18+00.00	0	0	0	0	0	146	4268	585	0	66	0	26	
22+00.00 TO 34+91.00	0	0	0	0	0	109	4814	439	0	164	0	14	
104TH STREET													
17+59.00 TO 20+00.00	0	0	0	0	0	73	351	142	0	0	0	14	
TOTAL	260	4,901	1,210	399	26	2,164	21,688	14,460	426	6,250	1,123	864	

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DATE - 10/28/14

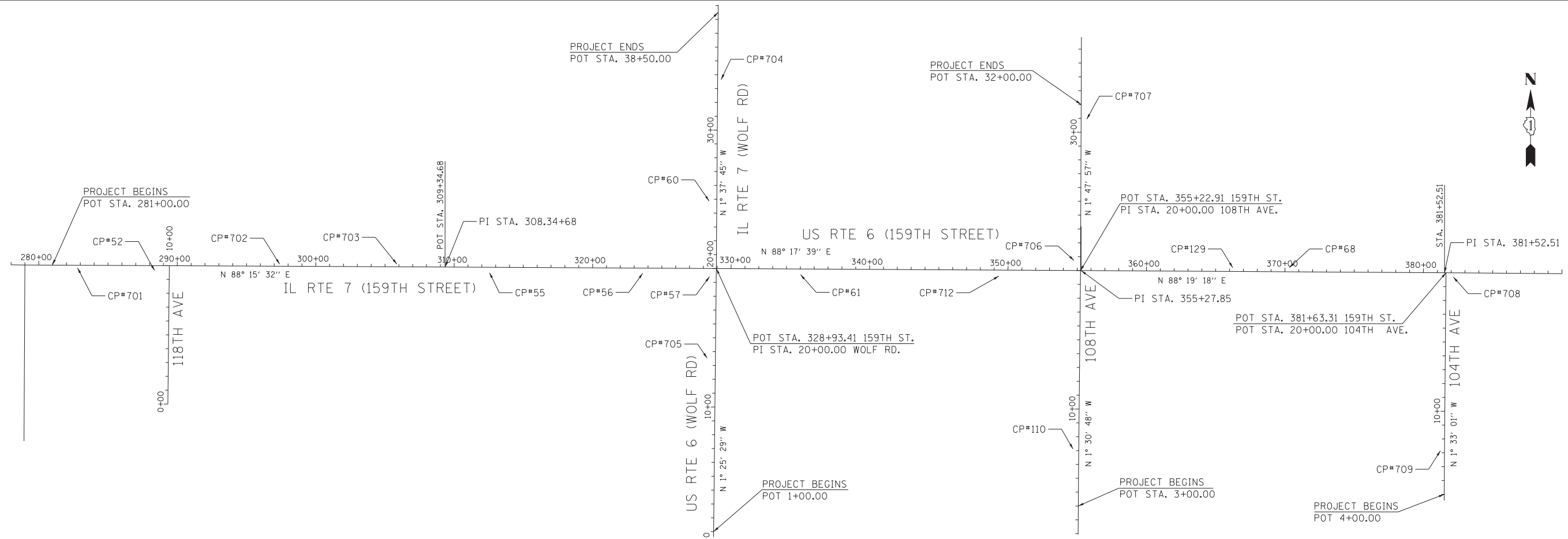
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

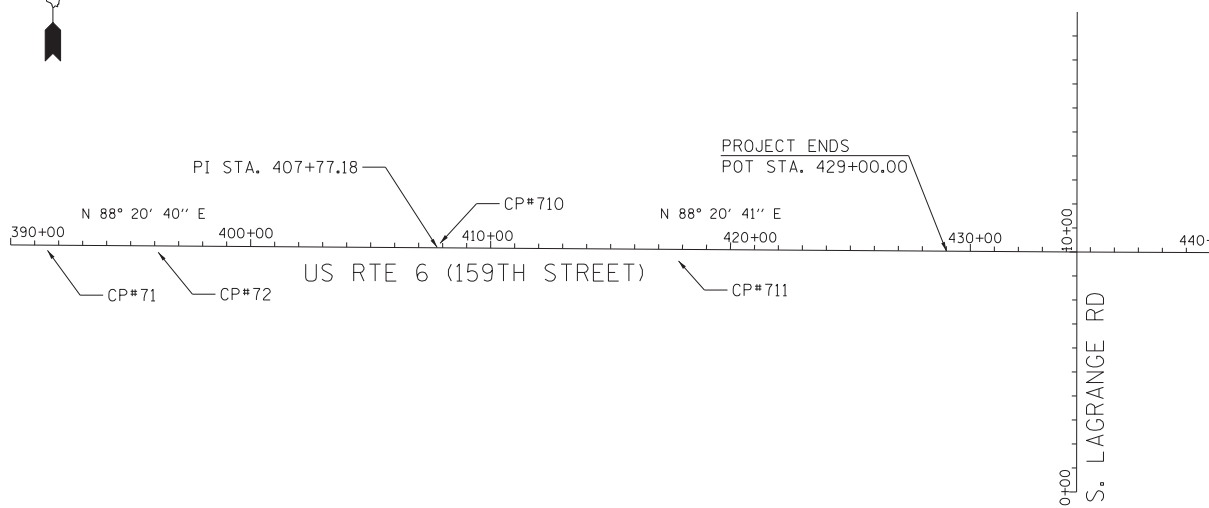
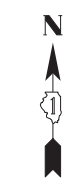
SCALE: N.T.S. SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L72	



BENCHMARKS

DATUM NOTE: THE VERTICAL DATUM IS BASED ON THE ORIGINAL SURVEY DATUM (NGVD29). GPS RECEIVERS MUST BE CALIBRATED TO PROJECT CONTROLS.



- BENCHMARK 1**
WILL COUNTY GPS 524 - NGS PID AE2562 - A STAINLESS ROD WITH CAST CAP AND LID IN THE SOUTH TREE LAWN OF 159TH STREET APPROXIMATELY 120 FEET WEST OF THE CENTERLINE OF WILL-COOK ROAD.
PROJECT ELEVATION = 731.70
- BENCHMARK 2**
CROSS CUT ON WEST CORNER OF NORTH HEADWALL OF CULVERT RUNNING UNDER 159TH STREET APPROXIMATELY 200 FEET WEST OF 115TH COURT.
ELEVATION = 694.90
- BENCHMARK 3**
SOUTH BOLT ON FIRE HYDRANT ON SOUTH SIDE OF 159TH STREET, APPROXIMATELY 350 FEET WEST OF CENTERLINE OF WOLF ROAD.
ELEVATION = 718.46
- BENCHMARK 4**
NORTHWEST BOLT ON FIRE HYDRANT ON THE NORTHEAST CORNER OF THE EAST ENTRANCE TO THE AUTO DEALERSHIP AND 159TH STREET, APPROXIMATELY 1300 FEET EAST OF CENTERLINE OF WOLF ROAD.
ELEVATION = 709.06
- BENCHMARK 5**
SOUTH BOLT ON FIRE HYDRANT ON SOUTH SIDE OF 159TH STREET, APPROXIMATELY 125 FEET EAST OF CENTERLINE OF 108TH AVENUE.
ELEVATION = 703.83
- BENCHMARK 6**
SQUARE CUT IN EASTERLY END OF THE SOUTH HEADWALL OF CULVERT RUNNING UNDER 159TH STREET JUST WEST OF 104TH AVENUE.
ELEVATION = 689.80
- BENCHMARK 7**
EAST BOLT ON FIRE HYDRANT ON SOUTHWEST CORNER OF THE WEST ENTRANCE TO COSTCO AND 159TH STREET, APPROXIMATELY 900 FEET WEST OF CENTERLINE OF RAVINIA AVENUE.
ELEVATION = 688.33

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 USER = M:\mills Professional Services



2600 Warrenville Road, Suite 203, Downers Grove, IL 60515-1761
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 10/21/2014	REVISED -

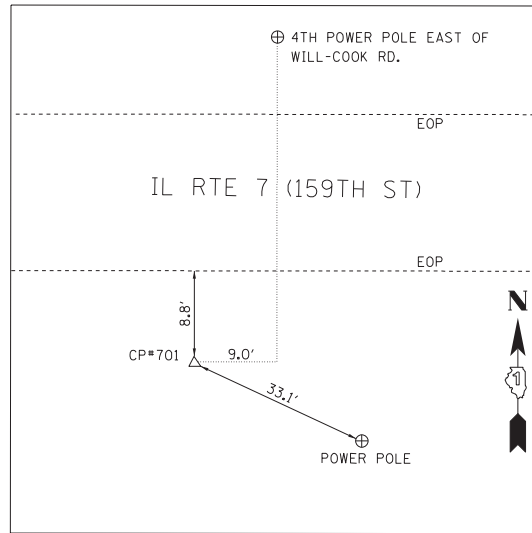
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 6 (159TH STREET)
ALIGNMENT, TIES AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	2010-081-R	COOK	1045	65
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L72	

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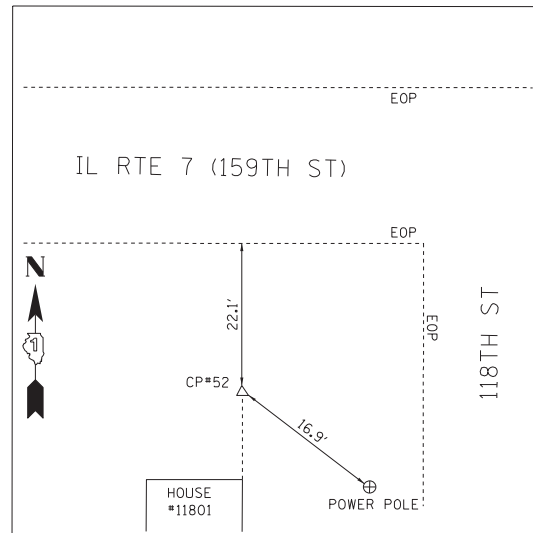
CONTROL POINT #701

SET REBAR

STA. 282+80.32, 20.00' RT.

N 1797227.136

E 1100505.239



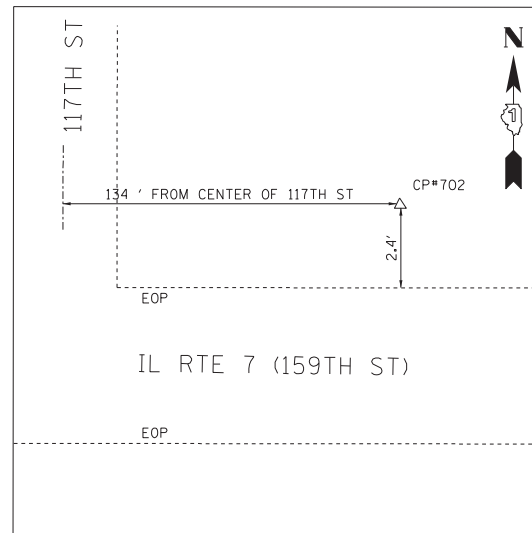
CONTROL POINT #52

FOUND REBAR
106' +/- WEST OF 118TH CL

STA. 288+36.34, 35.89' RT.

N 1797228.142

E 1101061.483



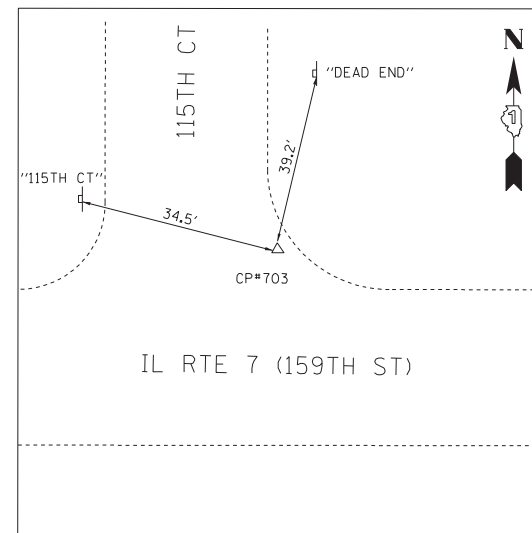
CONTROL POINT #702

SET REBAR

STA. 297+39.34, 15.29' LT.

N 1797306.739

E 1101962.512



CONTROL POINT #703

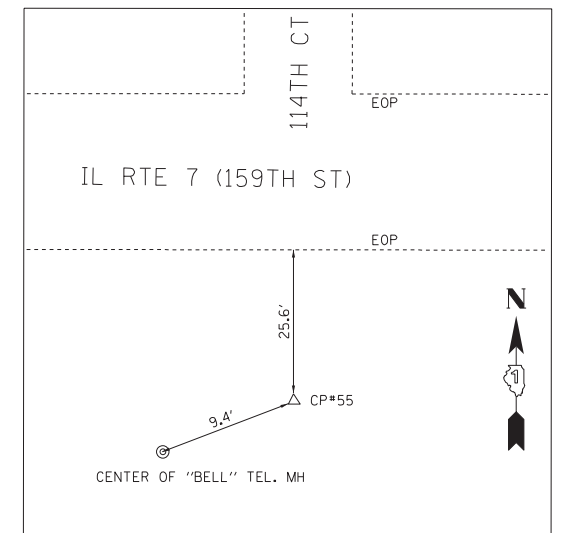
SET MAG NAIL

STA. 305+86.13, 19.50' LT.

N 1797336.674

E 1102808.786

ELEV. 697.59



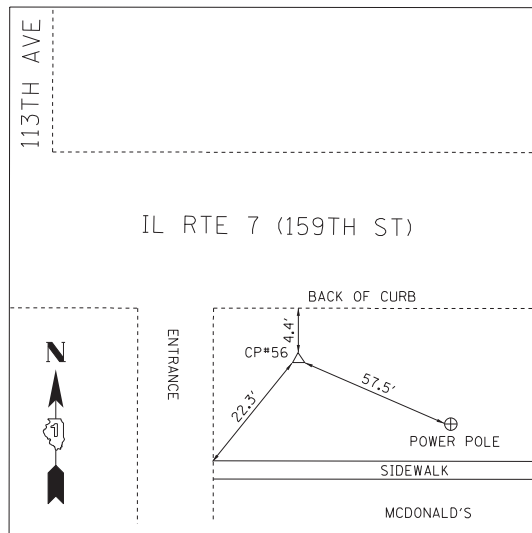
CONTROL POINT #55

FOUND 60d SPIKE

STA. 312+55.24, 38.99' RT.

N 1797298.342

E 1103479.348



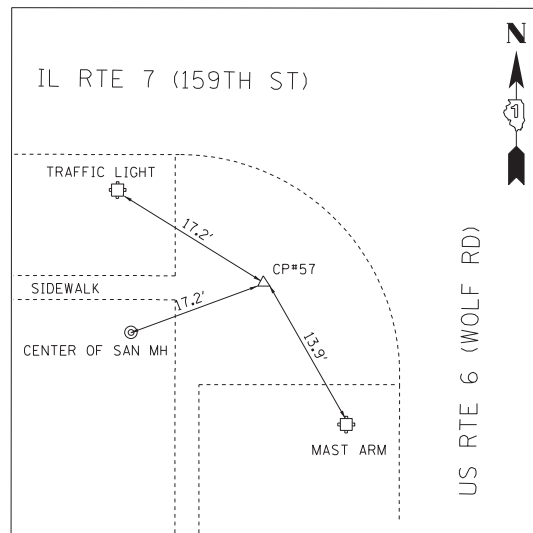
CONTROL POINT #56

FOUND 60d SPIKE

STA. 323+61.77, 37.39' RT.

N 1797332.881

E 1104585.338



CONTROL POINT #57

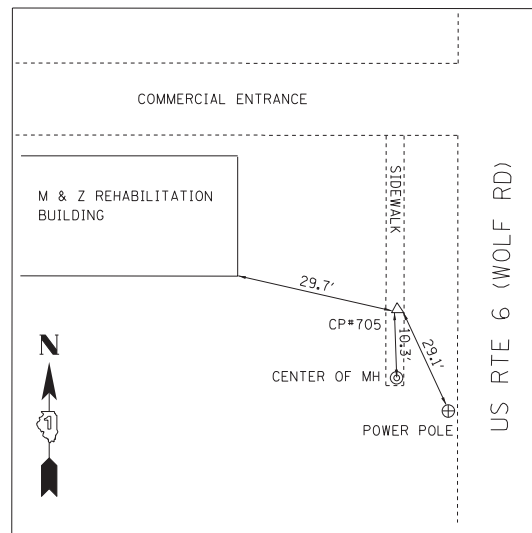
FOUND CUT CROSS IN CONCRETE SIDEWALK

STA. 328+44.24, 59.15' RT.

N 1797325.488

E 1105068.241

ELEV. 714.06



CONTROL POINT #705

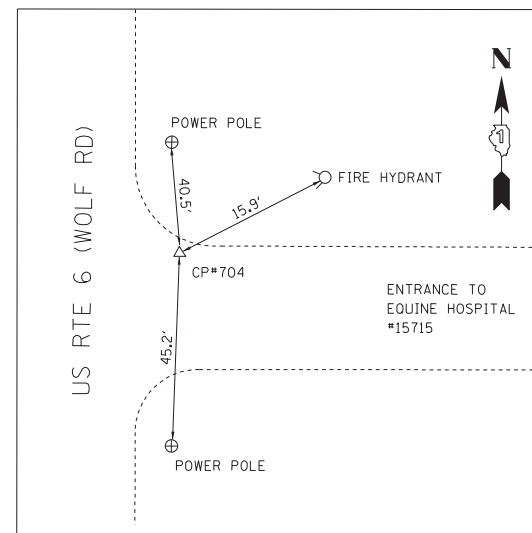
SET MAG NAIL IN HMA SIDEWALK
650' +/- SOUTH OF 159TH ST CL

STA. 13+52.36, 59.96' LT.

N 1796737.140

E 1105071.793

ELEV. 718.70



CONTROL POINT #704

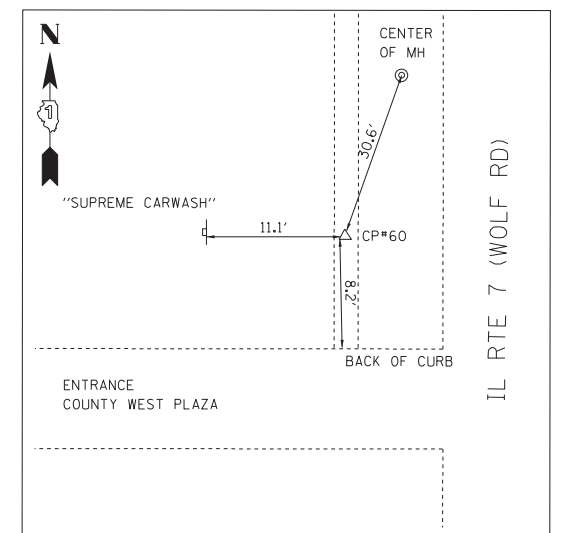
SET MAG NAIL IN HMA ENTRANCE
215' +/- SOUTH OF 157TH ST CL

STA. 33+64.92, 25.28' RT.

N 1798751.155

E 1105102.093

ELEV. 701.82



CONTROL POINT #60

FOUND MAG NAIL IN HMA SIDEWALK
487' +/- NORTH OF 159TH ST CL

STA. 24+86.94, 55.76' LT.

N 1797871.232

E 1105046.049

ELEV. 711.26

P:\2011\MS11017_PTB157-5_IL7_US6_159th_Lochner\CADD\Shets\66-D160L72-sht-01gn-02.dgn
 USER: M11terro Professional Services



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MILLENNIA PROFESSIONAL SERVICES

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DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 10/21/2014	REVISED -

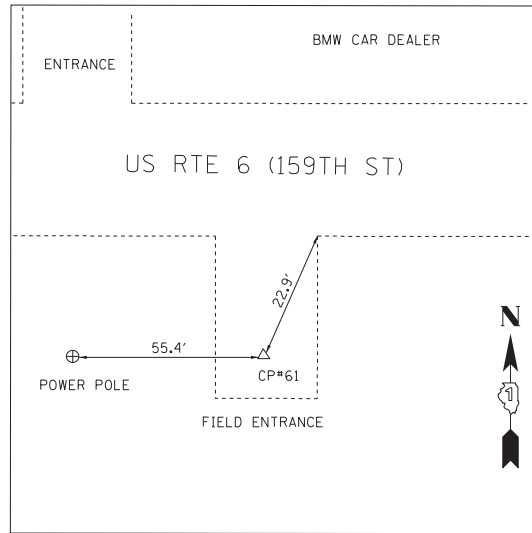
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 6 (159TH STREET)
ALIGNMENT, TIES AND BENCHMARKS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	2010-081-R	COOK	1045	66
CONTRACT NO. 60L72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

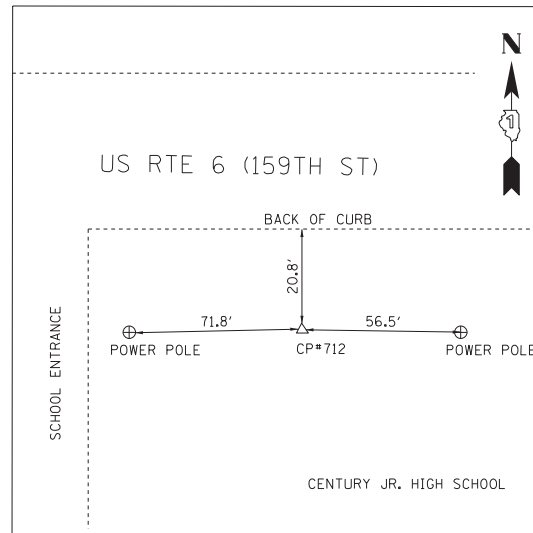
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CONTROL POINT #61

FOUND MAG NAIL IN HMA APRON
708' +/- EAST OF WOLF ROAD CL

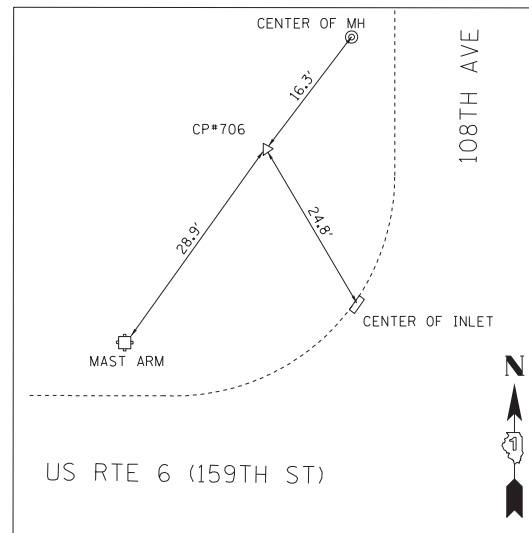
STA. 335+01.44, 40.85' RT.
N 1797363.343
E 1105724.602
ELEV. 709.26



CONTROL POINT #712

SET REBAR
590' +/- WEST OF 108TH AVE CL

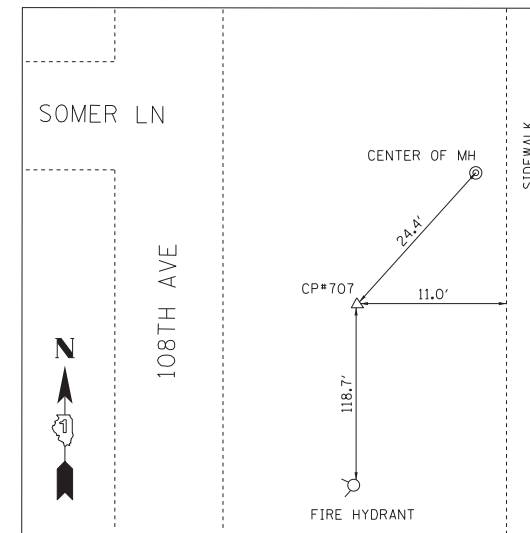
STA. 349+34.18, 43.33' RT.
N 1797403.515
E 1107156.784



CONTROL POINT #706

SET REBAR

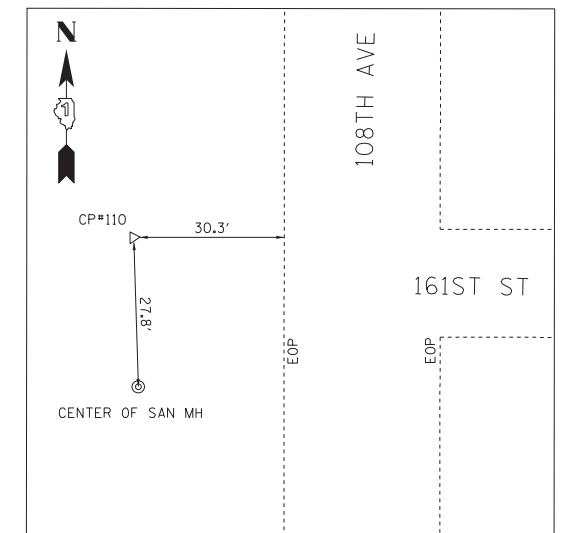
STA. 354+75.44, 74.05' LT.
N 1797536.959
E 1107694.312



CONTROL POINT #707

SET REBAR
85' +/- SOUTH OF SOMER LN CL

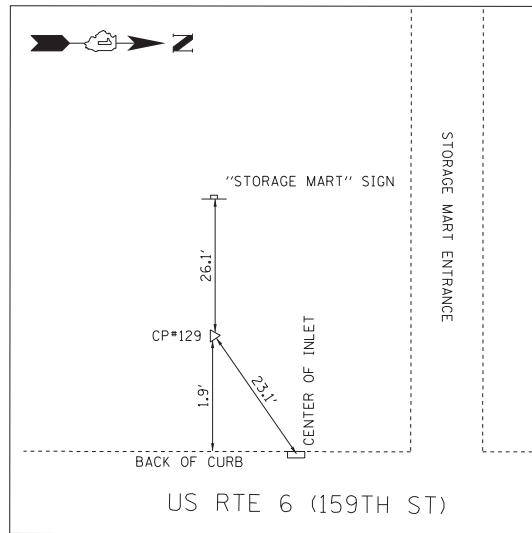
STA. 30+93.88, 42.26' RT.
N 1798559.014
E 1107751.859



CONTROL POINT #110

FOUND REBAR
13' +/- NORTH OF 161ST ST CL

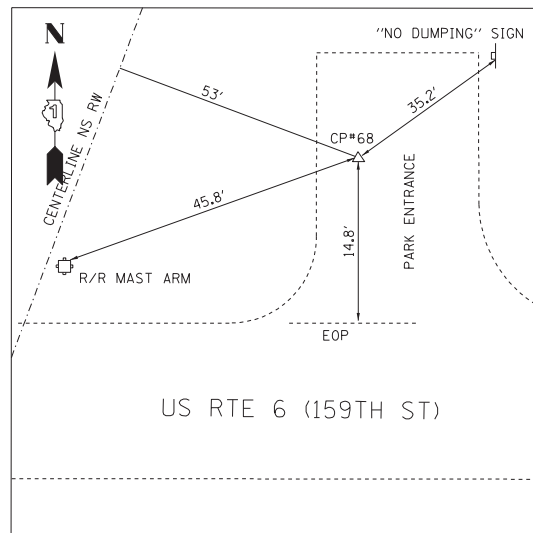
STA. 7+12.20, 42.21' LT.
N 1796175.880
E 1107735.775



CONTROL POINT #129

FOUND REBAR
345' +/- WEST OF INTERSECTION NSRW CL
& 159TH ST CL

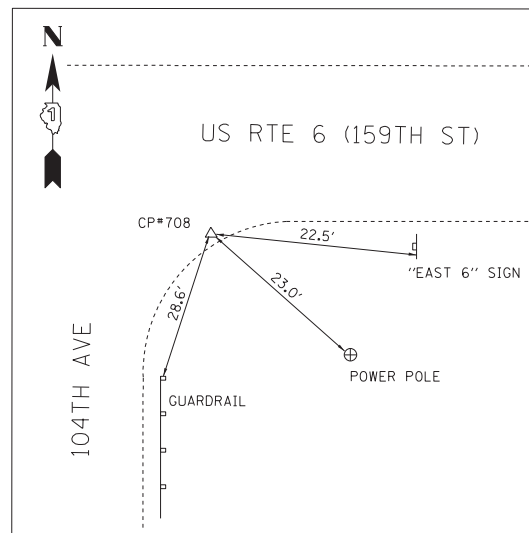
STA. 366+21.91, 28.03' LT.
N 1797524.555
E 1108841.670



CONTROL POINT #68

FOUND MAG MAIL IN HMA ENTRANCE

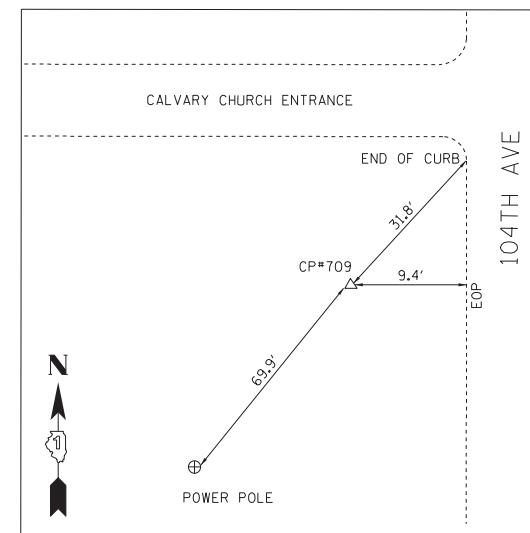
STA. 370+31.24, 30.48' LT.
N 1797539.003
E 1109250.757
ELEV. 694.74



CONTROL POINT #708

SET MAG NAIL IN HMA SHOULDER

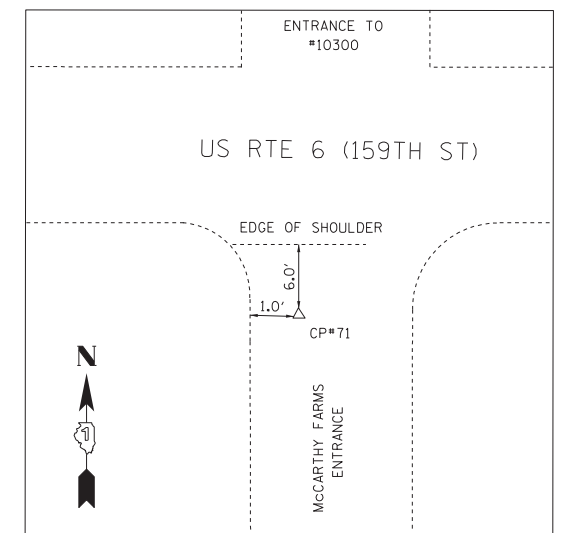
STA. 382+16.06, 29.96' RT.
N 1797513.259
E 1110436.823
ELEV. 686.33



CONTROL POINT #709

SET REBAR
1285' +/- SOUTH OF 159TH ST CL

STA. 7+14.99, 29.66' LT.
N 1796256.362
E 1110388.346



CONTROL POINT #71

FOUND MAG NAIL IN HMA ENTRANCE

STA. 391+53.77, 21.39 RT.
N 1797548.919
E 1111373.900
ELEV. 687.46

FILE NAME = P:\2011\MS11017.PTB157.5.IL7.US6.159th.Lochner\CADD\Shets\67-D160L72-sht-align-03.dgn
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CHECKED - RPD	REVISED -
DATE - 10/21/2014	REVISED -

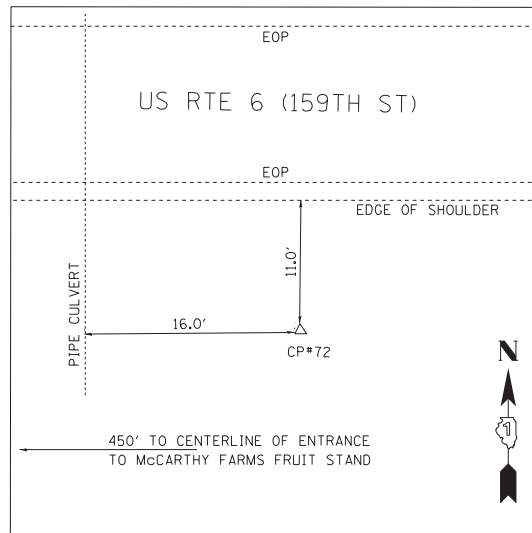
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 6 (159TH STREET)
ALIGNMENT, TIES AND BENCHMARKS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	2010-081-R	COOK	1045	67
CONTRACT NO. 60L72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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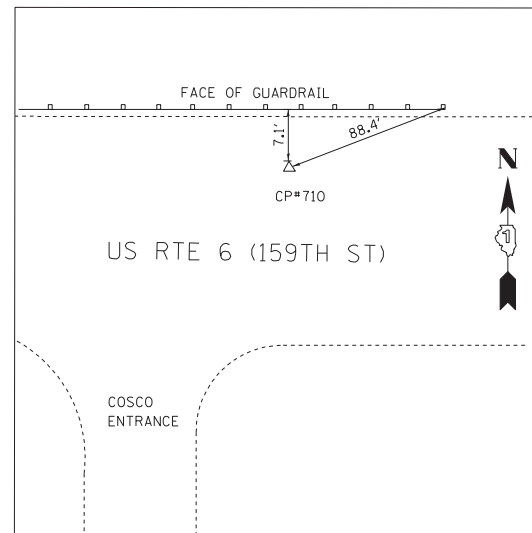
CONTROL POINT #72

FOUND 60d SPIKE

STA. 396+15.33, 26.47' RT.

N 1797557.174

E 1111835.411



CONTROL POINT #710

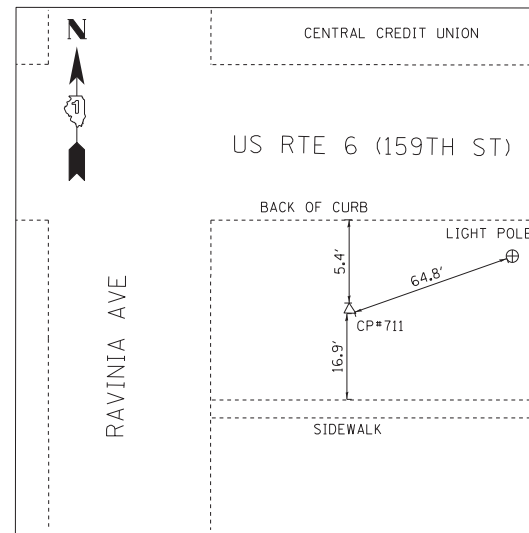
SET MAG NAIL IN HMA SHOULDER

STA. 407+89.43, 18.90' LT.

N 1797636.444

E 1113007.709

ELEV. 687.07



CONTROL POINT #711

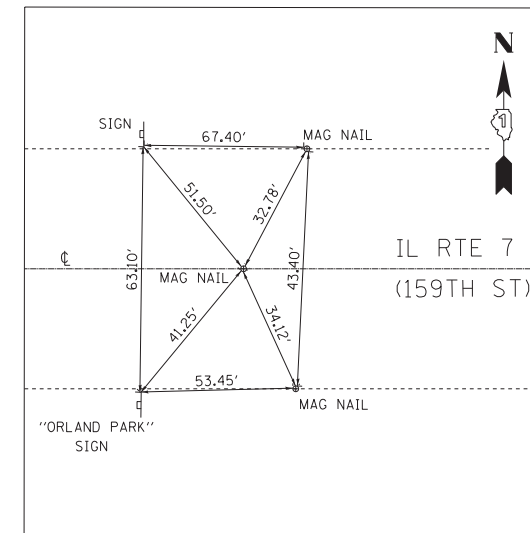
SET REBAR

STA. 417+83.01, 48.24' RT.

N 1797598.035

E 1114002.818

ELEV. 698.59



STA. 281 + 00.00

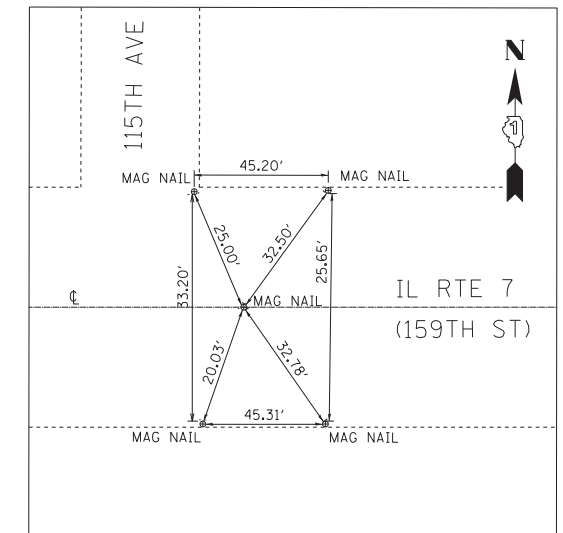
POT

PROJECT BEGINS

SET MAG NAIL

N 1797241.646

E 1100324.396



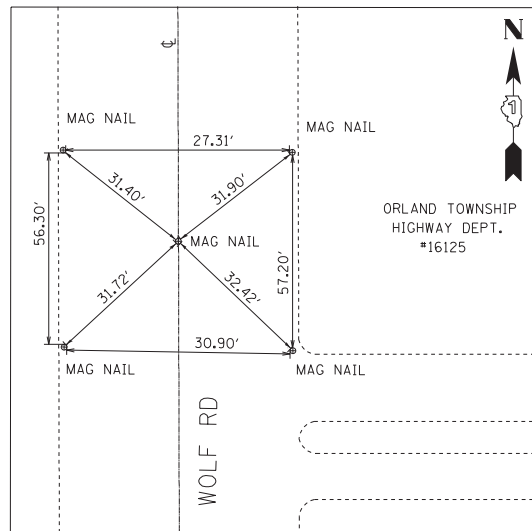
STA. 309 + 34.68

PI

SET MAG NAIL

N 1797327.775

E 1103157.767



STA. 1 + 00.00

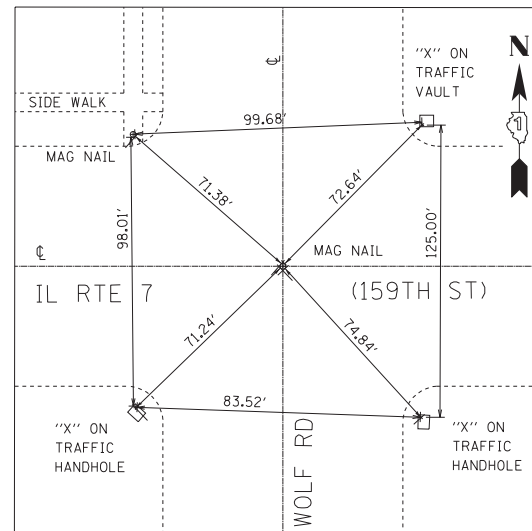
POT - WOLF RD

PROJECT BEGINS

SET MAG NAIL

N 1795486.657

E 1105162.870



STA. 238 + 39.41

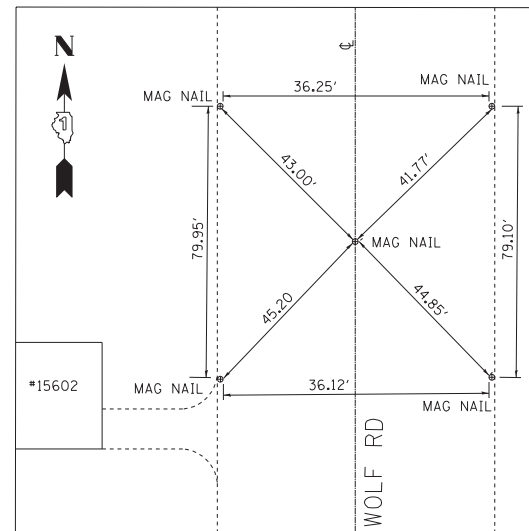
POT - 159TH ST

PI - WOLF RD (STA. 20 + 00)

SET MAG NAIL

N 1797386.068

E 1105115.628



STA. 38 + 50.00

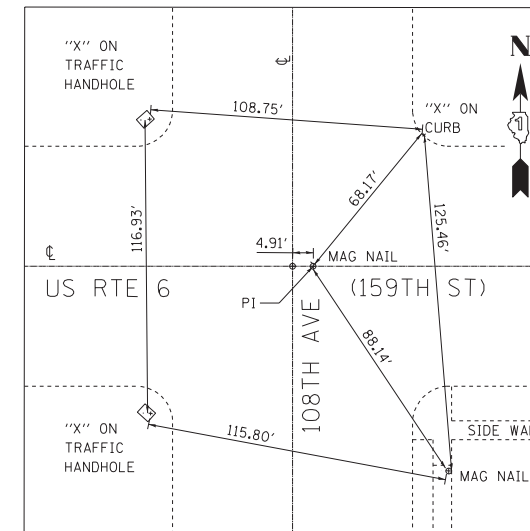
POT - WOLF RD

PROJECT ENDS

SET MAG NAIL

N 1799235.221

E 1105063.032



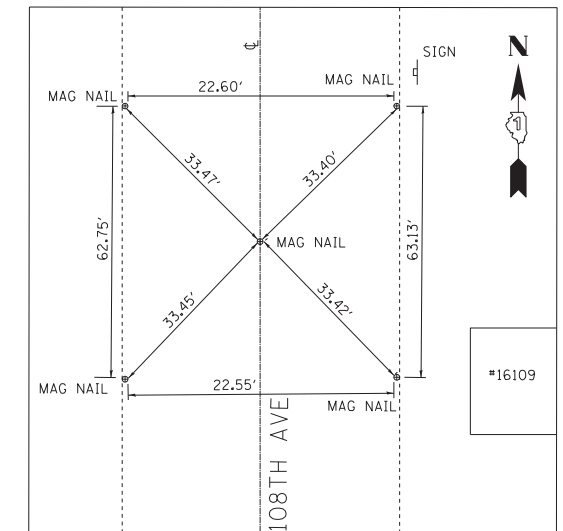
STA. 355 + 27.85

PI

SET MAG NAIL

N 1797464.497

E 1107748.899



STA. 3 + 00.00

POT - 108TH AVE

PROJECT BEGINS

SET MAG NAIL

N 1795764.943

E 1107788.858

FILE NAME = P:\2011\MS11017.PT8157.5.IL7.US6.159th.Loehner\CADD\Shets\68-DI60L72-sh-t-align-04.dgn
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CHECKED - RPD	REVISED -
DATE - 10/21/2014	REVISED -

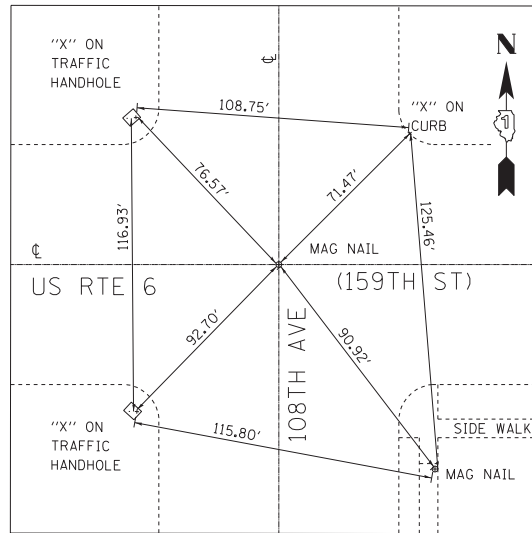
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US RTE 6 (159TH STREET)
 ALIGNMENT, TIES AND BENCHMARKS**

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

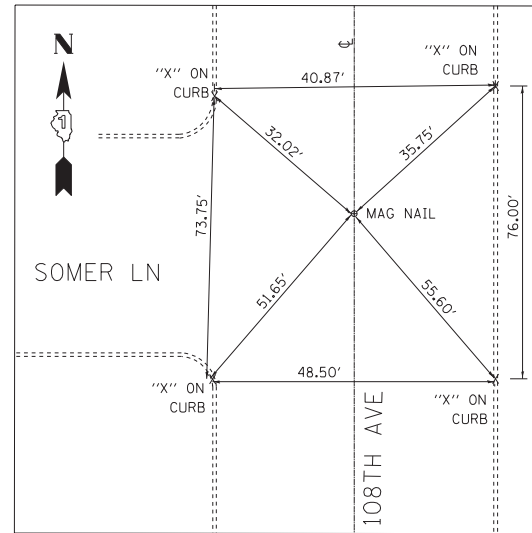
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	2010-081-R	COOK	1045	68
CONTRACT NO. 60L72				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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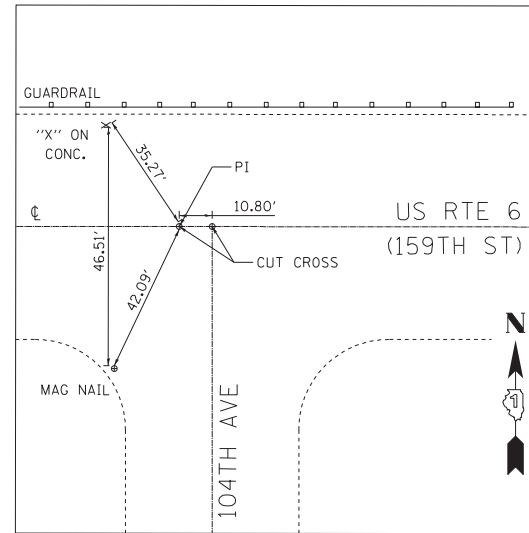
STA. 355 + 22.91
POT – 159TH ST
PI – WOLF RD (STA. 20 + 00)

SET MAG NAIL
 N 1797464.350
 E 1107743.960



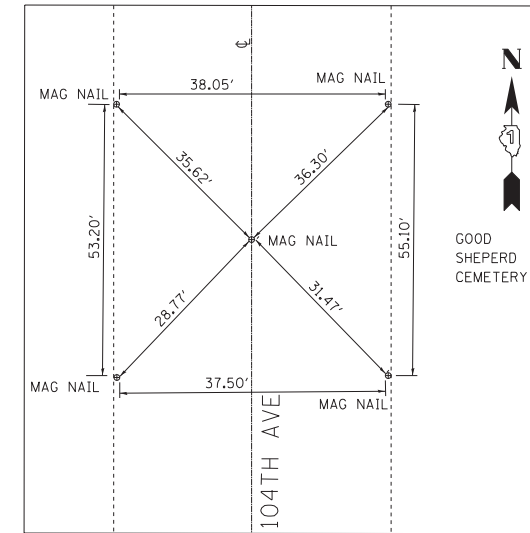
STA. 32 + 00.00
POT – 108TH AVE
PROJECT ENDS

SET MAG NAIL
 N 1798663.759
 E 1107706.285



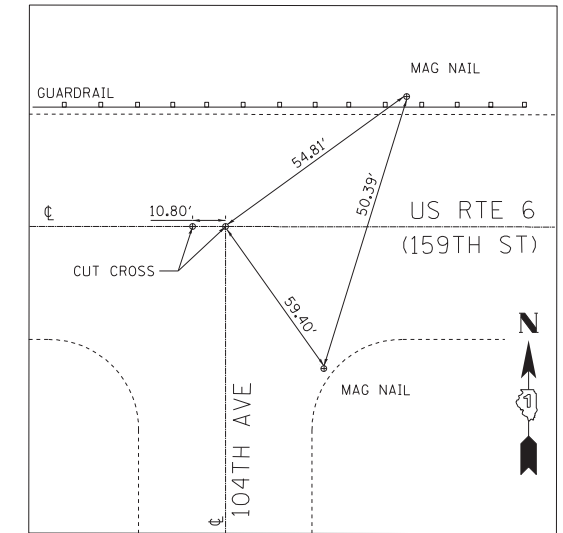
STA. 381 + 52.51
PI
CUT CROSS

N 1797541.373
 E 1110372.436



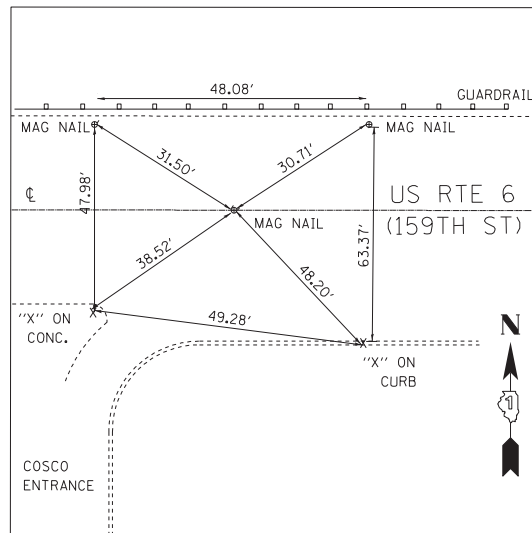
STA. 4 + 00.00
POT – 104TH AVE
PROJECT BEGINS

SET MAG NAIL
 N 1795942.287
 E 1110426.512



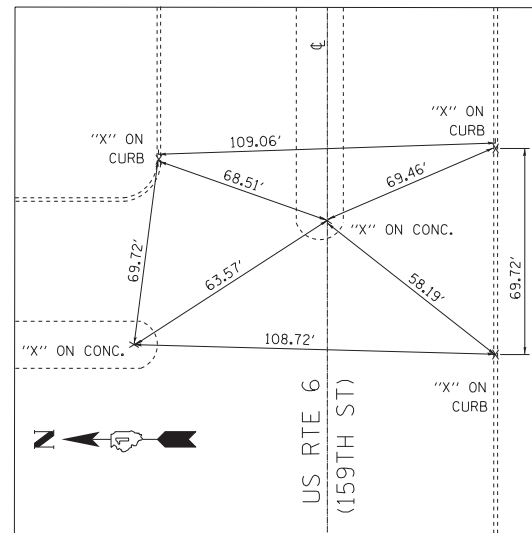
STA. 381 + 63.31
POT – 159TH ST
POT – 104TH AVE (STA. 20 + 00)

CUT CROSS
 N 1797541.700
 E 1110383.230



STA. 407 + 77.18
POT

SET MAG NAIL
 N 1799617.197
 E 1112996.007



STA. 429 + 00.00
POT
PROJECT ENDS

SET "X" ON CONCRETE
 N 1797678.518
 E 1115117.945

FILE NAME = P:\2011\MS11017.PT1517.5.IL7.US6.159th.Lochner\CADD\Shets\69-D160L72-sht-align-05.dgn
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DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 10/21/2014	REVISED -

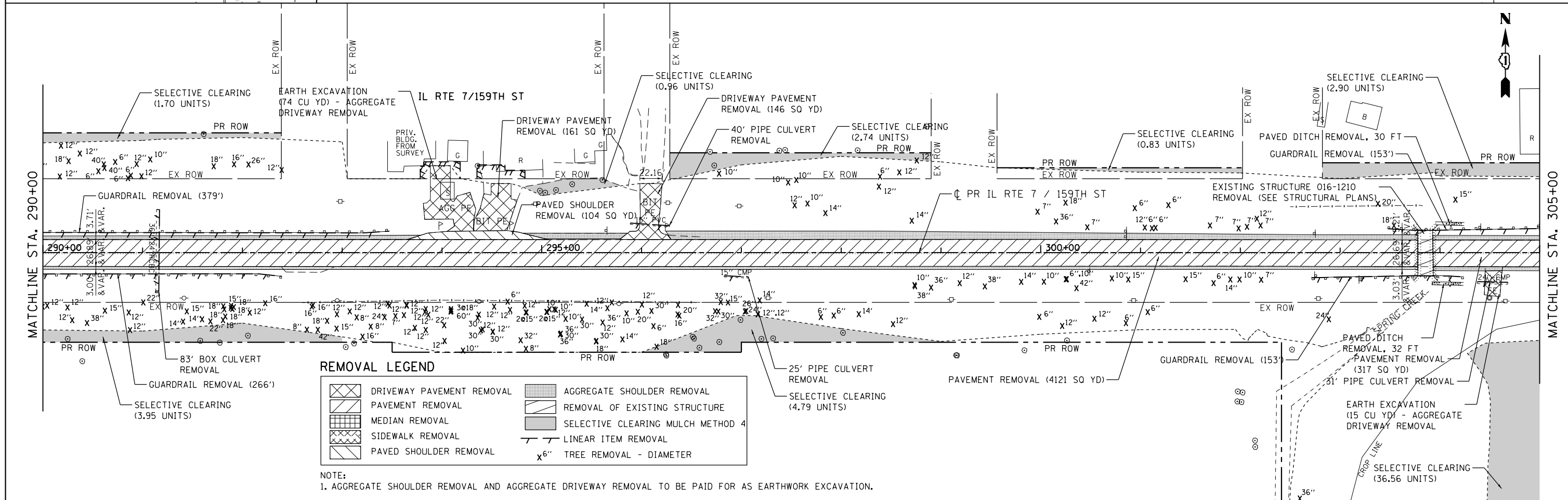
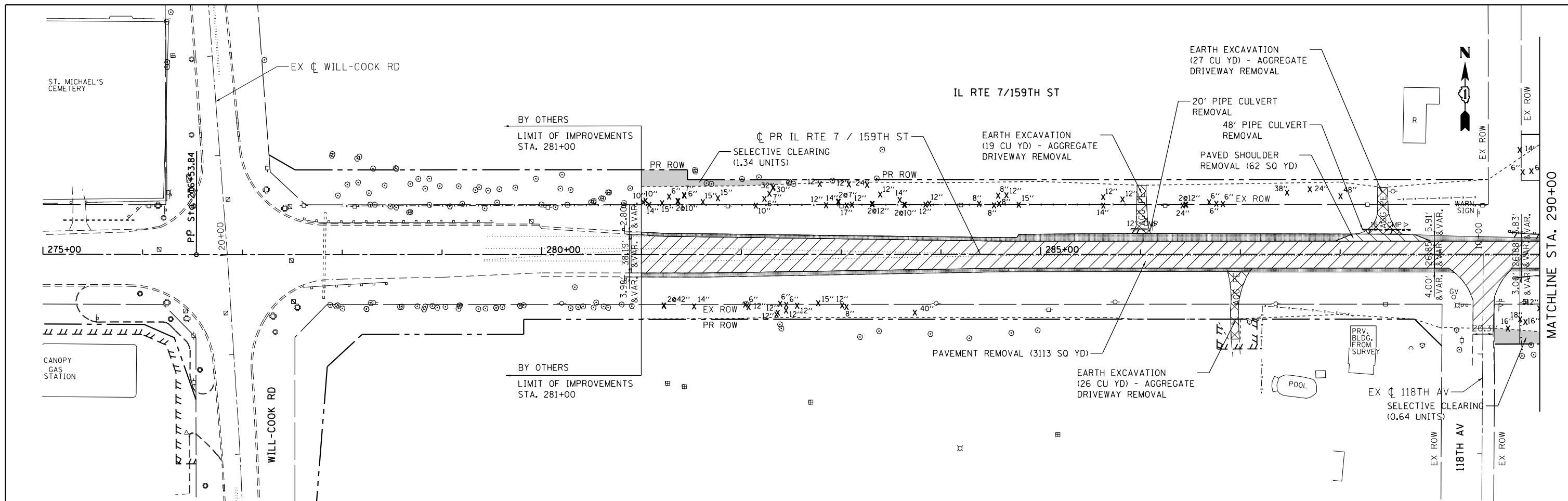
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 6 (159TH STREET)
ALIGNMENT, TIES AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	2010-081-R	COOK	1045	69
CONTRACT NO. 60L72				

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REMOVAL LEGEND

	DRIVEWAY PAVEMENT REMOVAL		AGGREGATE SHOULDER REMOVAL
	PAVEMENT REMOVAL		REMOVAL OF EXISTING STRUCTURE
	MEDIAN REMOVAL		SELECTIVE CLEARING MULCH METHOD 4
	SIDEWALK REMOVAL		LINEAR ITEM REMOVAL
	PAVED SHOULDER REMOVAL		TREE REMOVAL - DIAMETER

NOTE:
1. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTHWORK EXCAVATION.

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#MODELNAME#

USER NAME = rdonley
PLOT SCALE = 1:100
PLOT DATE = 10/22/2014

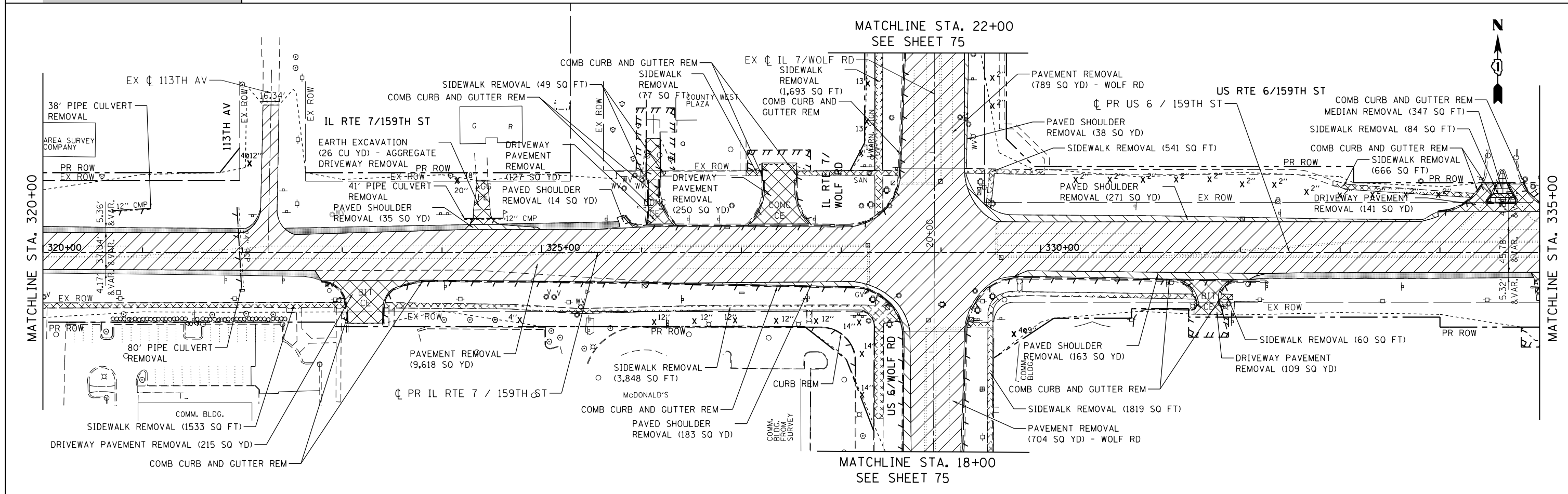
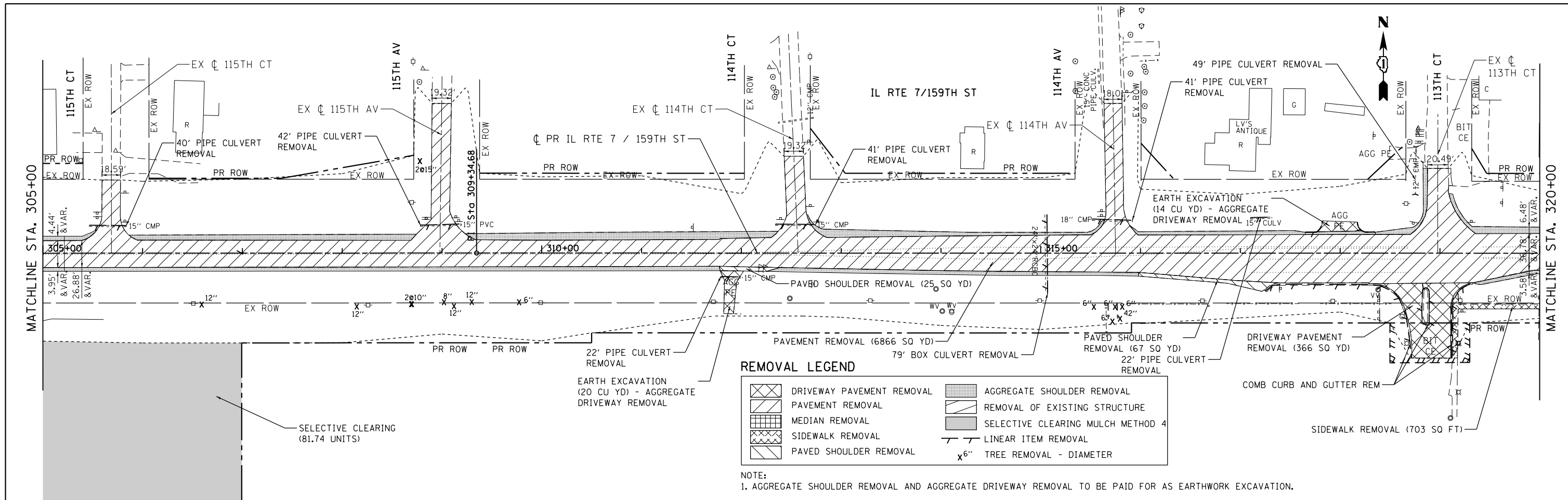
DESIGNED - JPW
DRAWN - JPW
CHECKED - JWM
DATE - 10/28/14

REVISED -
REVISED -
REVISED -
REVISED -

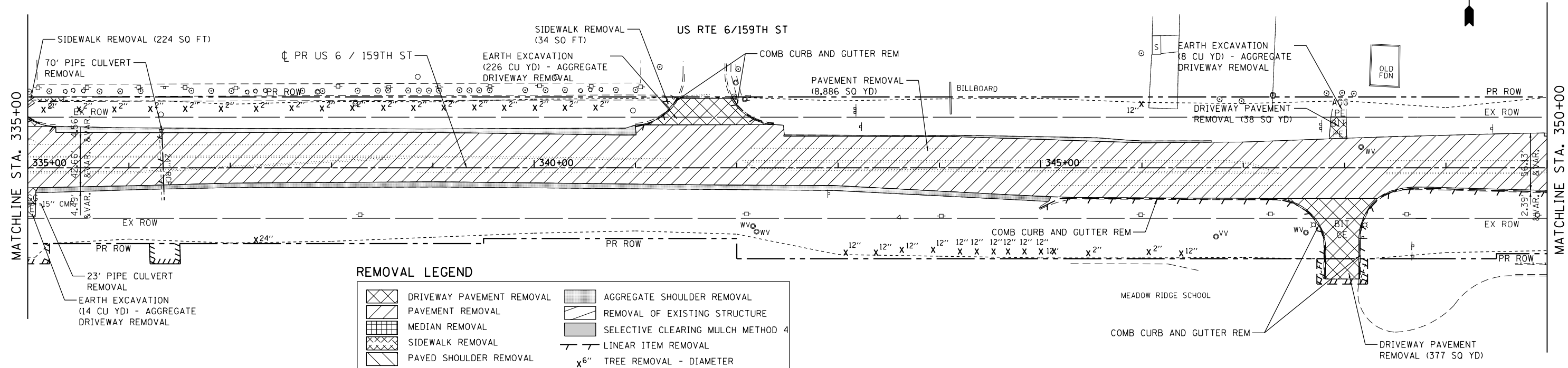
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING ROADWAY & REMOVAL PLANS
159TH STREET**
SCALE: 1"=50'
SHEET 1 OF 7 SHEETS
STA. 281+00.00 TO STA. 305+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	70
CONTRACT NO. 60L72				
ILLINOIS FED. AID PROJECT				



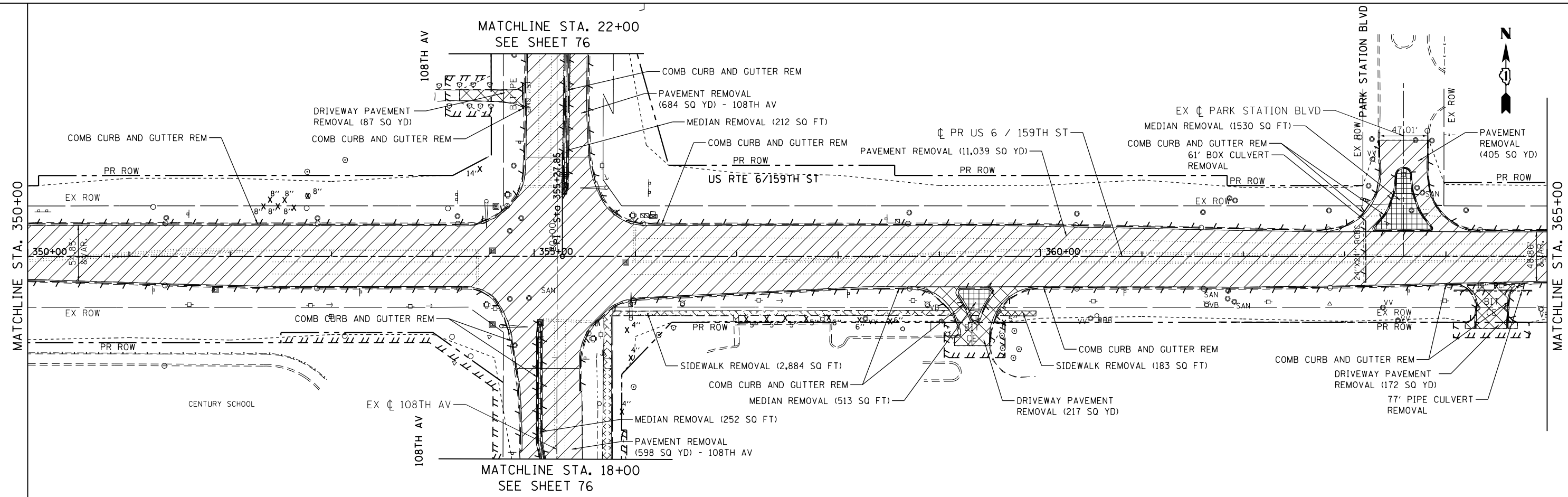
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#MODELNAME#	PLOT SCALE = 1:1000	CHECKED - JWM	REVISED -			SCALE: 1"=50'	SHEET 2 OF 7 SHEETS	STA. 305+00.00 TO STA. 335+00.00	CONTRACT NO. 60L72			
	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -			ILLINOIS FED. AID PROJECT						



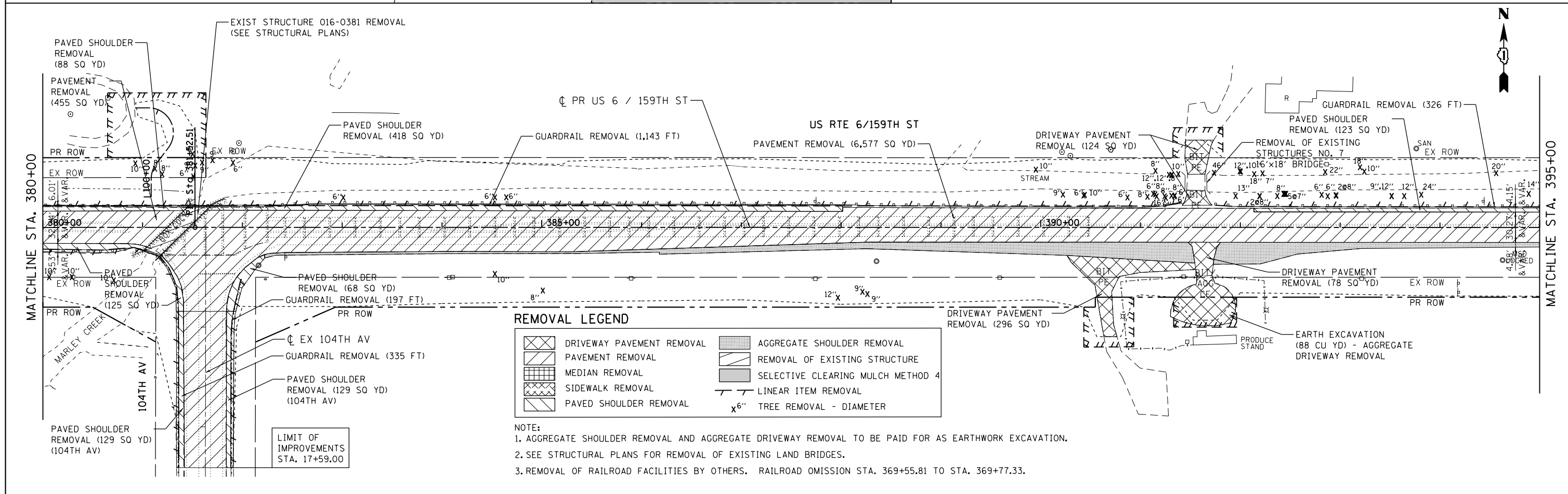
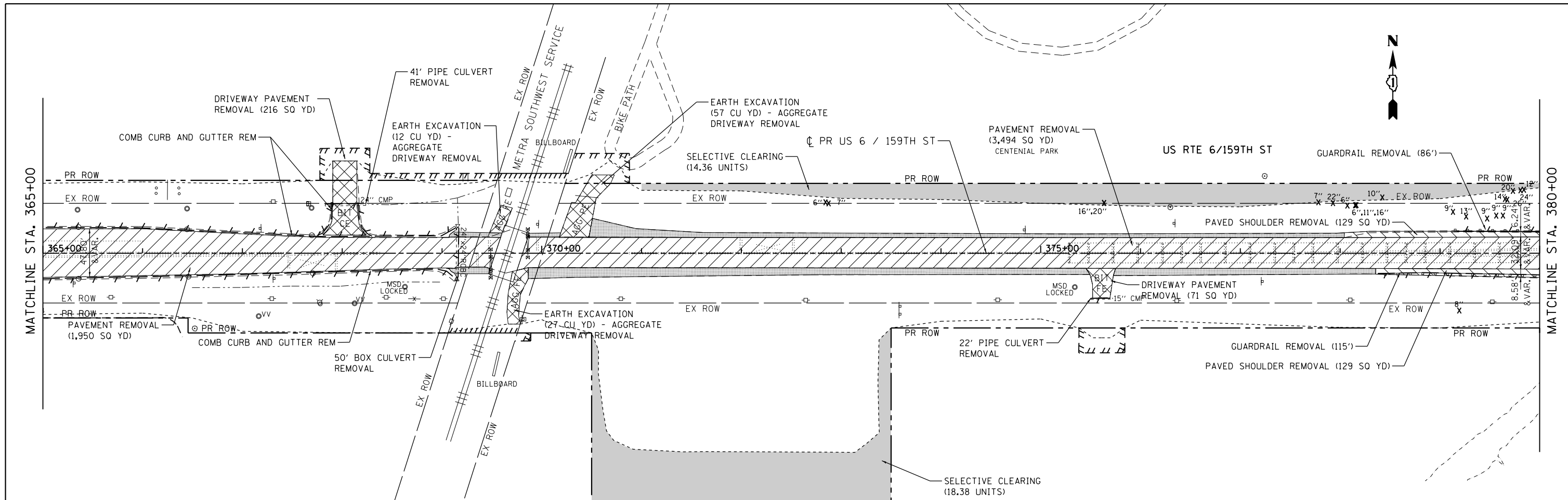
REMOVE LEGEND

	DRIVEWAY PAVEMENT REMOVAL		AGGREGATE SHOULDER REMOVAL
	PAVEMENT REMOVAL		REMOVAL OF EXISTING STRUCTURE
	MEDIAN REMOVAL		SELECTIVE CLEARING MULCH METHOD 4
	SIDEWALK REMOVAL		LINEAR ITEM REMOVAL
	PAVED SHOULDER REMOVAL		x 6" TREE REMOVAL - DIAMETER

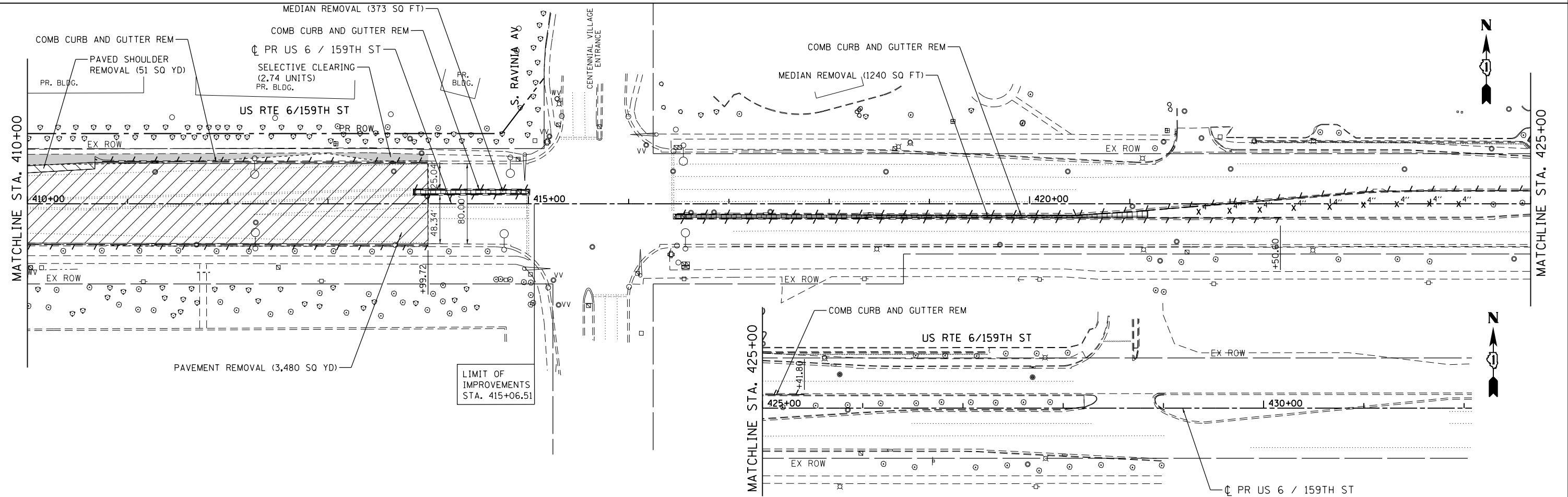
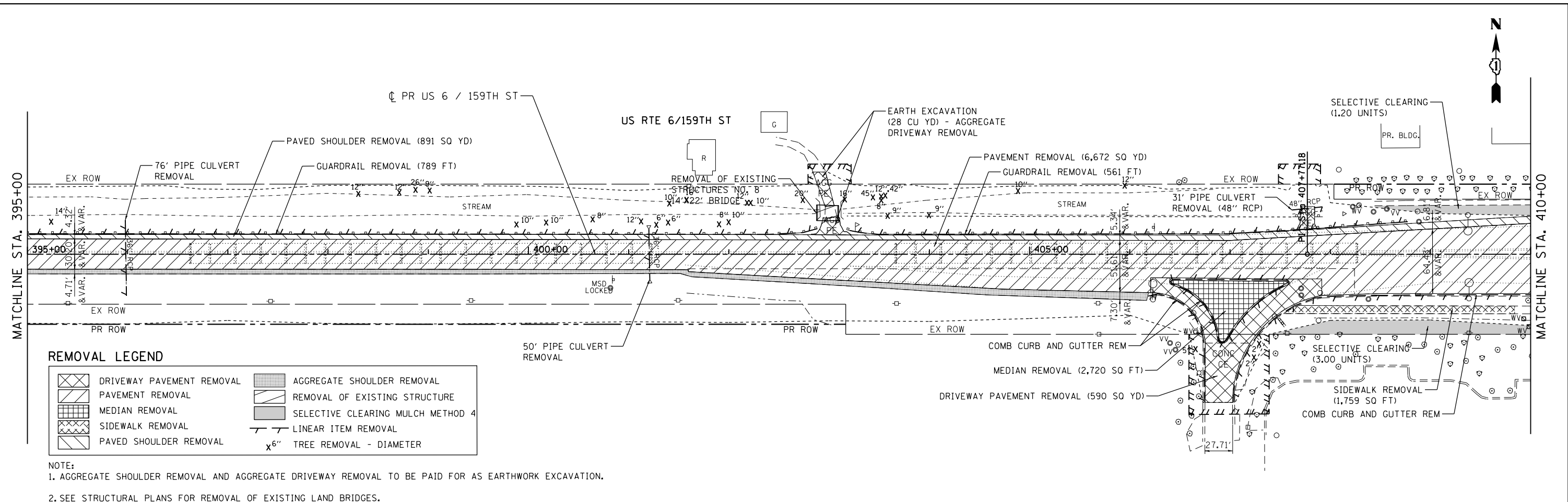
NOTE:
1. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTHWORK EXCAVATION.



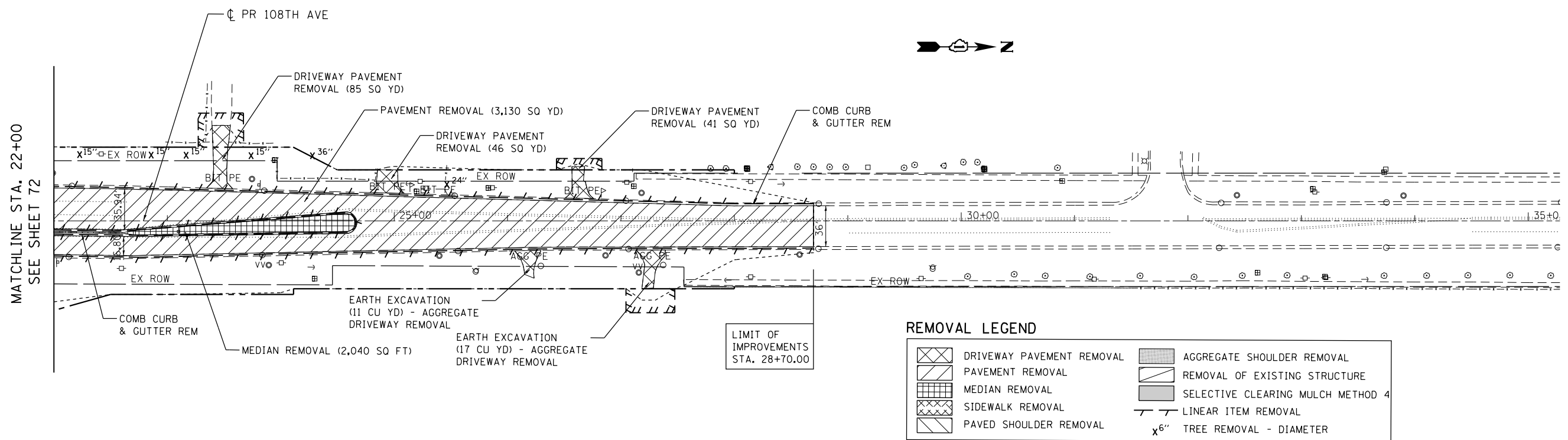
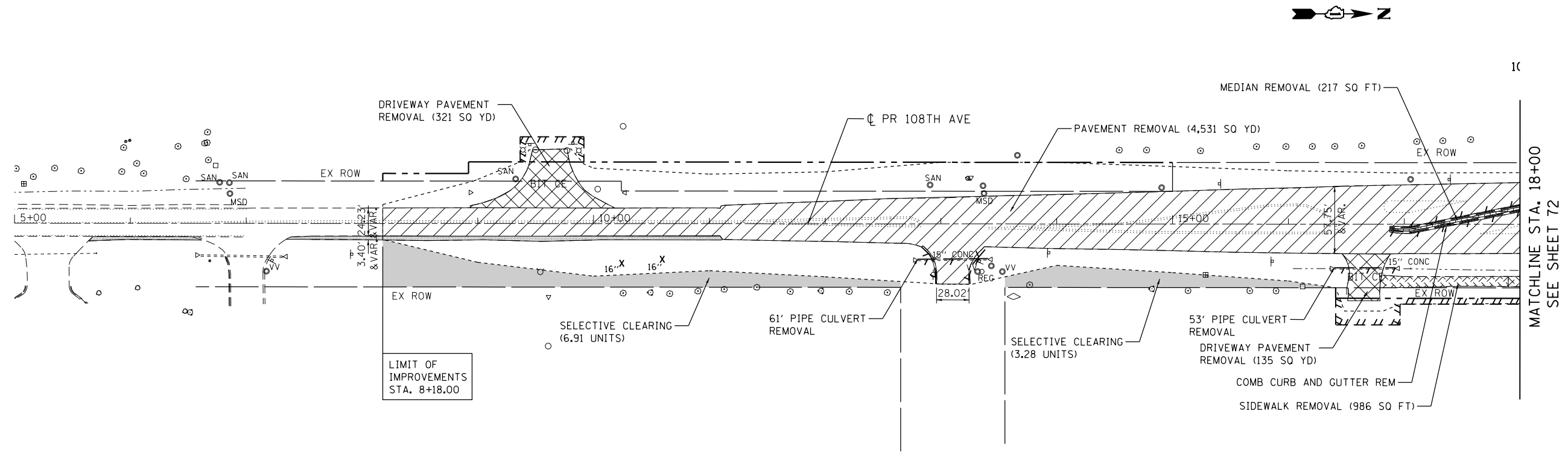
FILE NAME = D160L72-sht-rem.dgn	USER NAME = rdonley	DESIGNED - JPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING ROADWAY & REMOVAL PLANS 159TH STREET			F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 72
#MODELNAME#	PLOT SCALE = 1:1100	CHECKED - JWM	REVISED -		SCALE: 1"=50'	SHEET 3	OF 7 SHEETS	STA. 335+00.00	TO STA. 365+00.00	CONTRACT NO. 60L72		
	PLOT DATE = 10/22/2014	DATE - 10/28/14	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME = D160L72-shr-rem.dgn	USER NAME = rdonley	DESIGNED - JPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING ROADWAY & REMOVAL PLANS 159TH STREET /104TH AVENUE			F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 73
#MODELNAME#	PLOT SCALE = 1:1000	CHECKED - JWM	REVISED -		SCALE: 1"=50'	SHEET 4	OF 7 SHEETS	STA. 365+00.00	TO STA. 395+00.00	CONTRACT NO. 60L72		
	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME = D160L72-shr-rem.dgn	USER NAME = rdonley	DESIGNED - JPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING ROADWAY & REMOVAL PLANS 159TH STREET			F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 74
		PLOT SCALE = 1:1000	CHECKED - JWM		REVISED -	SCALE: 1"=50'	SHEET 5	OF 7 SHEETS	STA. 395+00.00	TO STA. 425+41.80	CONTRACT NO. 60L72	
#MODELNAME#	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -		ILLINOIS FED. AID PROJECT							



REMOVAL LEGEND

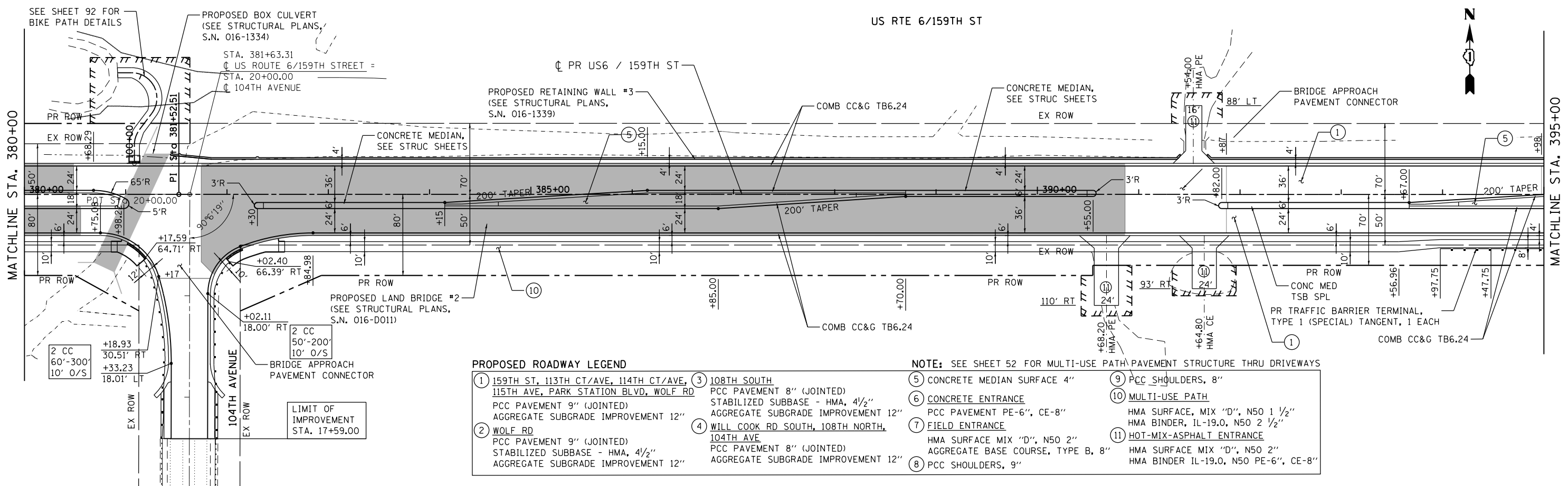
	DRIVEWAY PAVEMENT REMOVAL		AGGREGATE SHOULDER REMOVAL
	PAVEMENT REMOVAL		REMOVAL OF EXISTING STRUCTURE
	MEDIAN REMOVAL		SELECTIVE CLEARING MULCH METHOD 4
	SIDEWALK REMOVAL		LINEAR ITEM REMOVAL
	PAVED SHOULDER REMOVAL		x 6" TREE REMOVAL - DIAMETER

NOTE:
1. AGGREGATE SHOULDER REMOVAL AND AGGREGATE DRIVEWAY REMOVAL TO BE PAID FOR AS EARTHWORK EXCAVATION.

FILE NAME = D160L72-sht-rem.dgn	USER NAME = rdonley	DESIGNED - JPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING ROADWAY & REMOVAL PLANS 108TH STREET			F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 76
DESIGNED - JPW	DRAWN - JPW	CHECKED - JWM	REVISED -		SCALE: 1"=50'	SHEET 7 OF 7 SHEETS	STA. 8+18.00 TO STA. 28+70.00	CONTRACT NO. 60L72				
PLOT SCALE = 1:1000	CHECKED - JWM	DATE - 10/28/14	REVISED -		ILLINOIS FED. AID PROJECT							
MODELNAME	PLOT DATE = 10/22/2014	DATE - 10/28/14	REVISED -									

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		

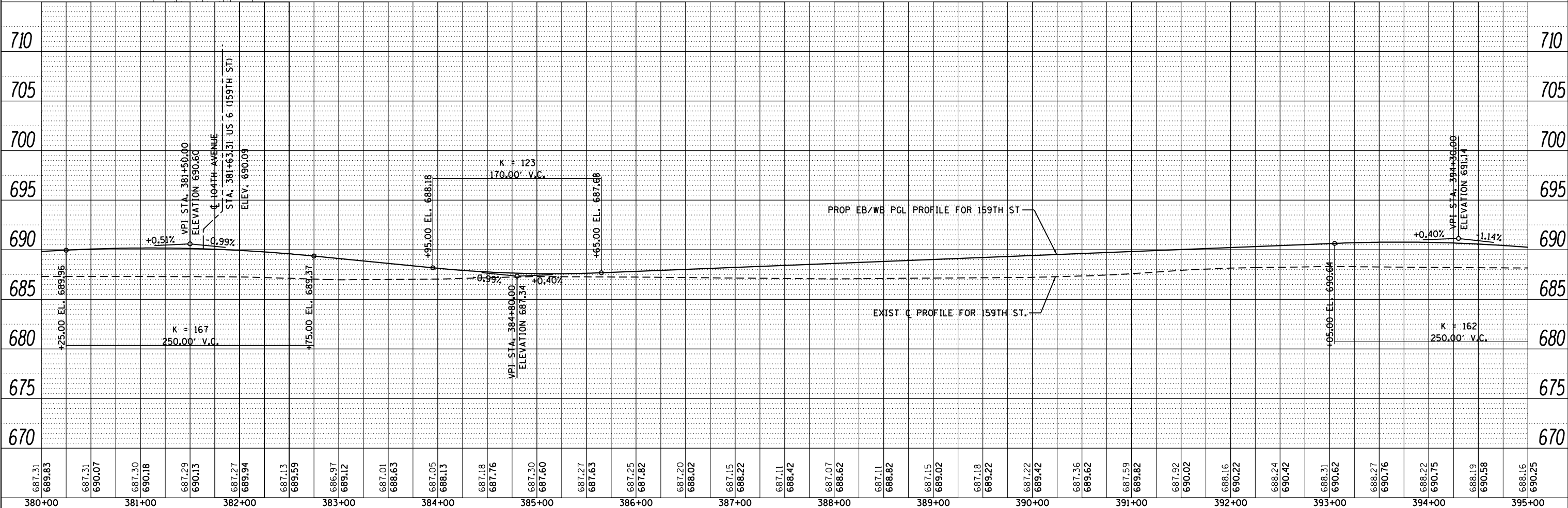
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		



PROPOSED ROADWAY LEGEND

- | | | | |
|--|--|--|---|
| ① 159TH ST, 113TH CT/AVE, 114TH CT/AVE, 115TH AVE, PARK STATION BLVD, WOLF RD
PCC PAVEMENT 8" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12" | ③ 108TH SOUTH
PCC PAVEMENT 8" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12" | ⑤ CONCRETE MEDIAN SURFACE 4" | ⑨ PCC SHOULDERS, 8" |
| ② WOLF RD
PCC PAVEMENT 9" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12" | ④ WILL COOK RD SOUTH, 108TH NORTH, 104TH AVE
PCC PAVEMENT 8" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12" | ⑥ CONCRETE ENTRANCE
PCC PAVEMENT PE-6", CE-8" | ⑩ MULTI-USE PATH
HMA SURFACE, MIX "D", N50 1 1/2"
HMA BINDER, IL-19.0, N50 2 1/2" |
| | | ⑦ FIELD ENTRANCE
HMA SURFACE MIX "D", N50 2"
AGGREGATE BASE COURSE, TYPE B, 8" | ⑪ HOT-MIX-ASPHALT ENTRANCE
HMA SURFACE MIX "D", N50 2"
HMA BINDER IL-19.0, N50 PE-6", CE-8" |
| | | ⑧ PCC SHOULDERS, 9" | |

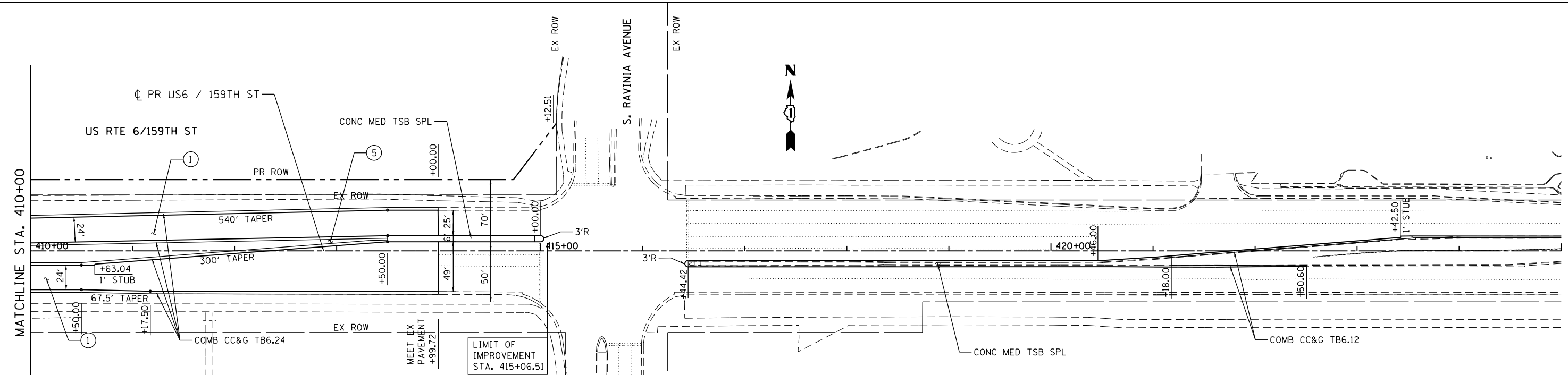
NOTE: SEE SHEET 52 FOR MULTI-USE PATH PAVEMENT STRUCTURE THRU DRIVEWAYS



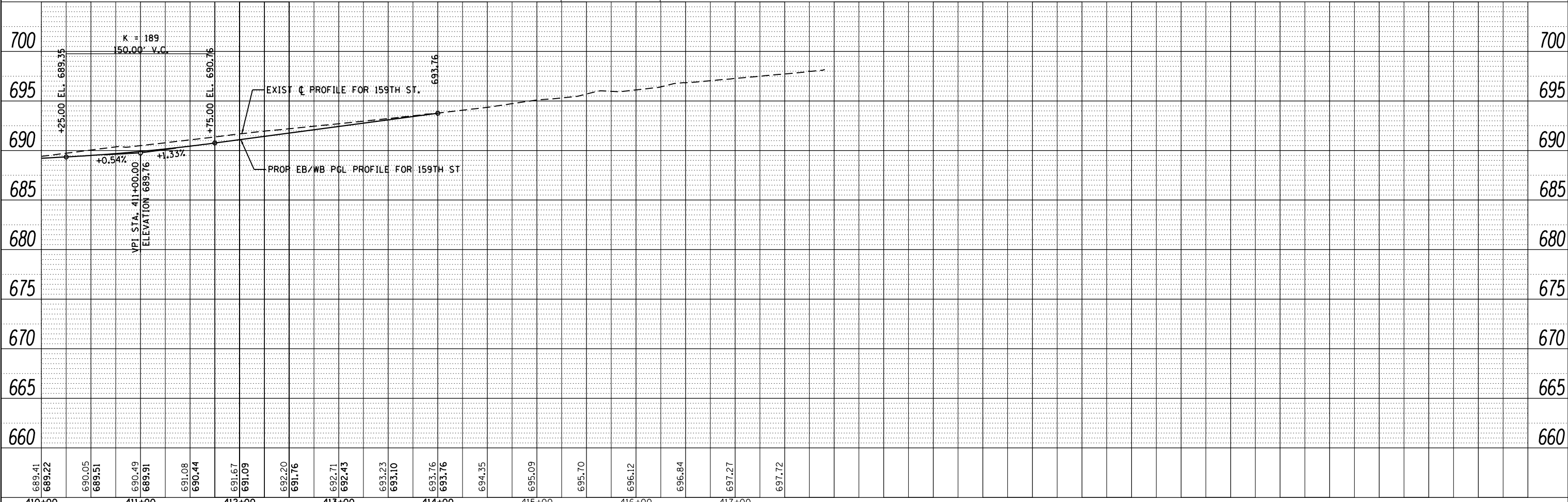
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MODELNAME =	PLOT SCALE = 1:100	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 8 OF 16 SHEETS	STA. 380+00.00 TO STA. 395+00.00	CONTRACT NO. 60L72		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -										

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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



- PROPOSED ROADWAY LEGEND**
- ① 159TH ST, 113TH CT/AVE, 114TH CT/AVE, 115TH AVE, PARK STATION BLVD, WOLF RD
PCC PAVEMENT 9" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ② WOLF RD
PCC PAVEMENT 9" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ③ 108TH SOUTH
PCC PAVEMENT 8" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ④ WILL COOK RD SOUTH, 108TH NORTH, 104TH AVE
PCC PAVEMENT 8" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ⑤ CONCRETE MEDIAN SURFACE 4"
 - ⑥ CONCRETE ENTRANCE
PCC PAVEMENT PE-6", CE-8"
 - ⑦ FIELD ENTRANCE
HMA SURFACE MIX "D", N50 2"
AGGREGATE BASE COURSE, TYPE B, 8"
 - ⑧ PCC SHOULDERS, 9"
 - ⑨ PCC SHOULDERS, 8"
 - ⑩ MULTI-USE PATH
HMA SURFACE, MIX "D", N50 1 1/2"
HMA BINDER, IL-19.0, N50 2 1/2"
 - ⑪ HOT-MIX-ASPHALT ENTRANCE
HMA SURFACE MIX "D", N50 2"
HMA BINDER IL-19.0, N50 PE-6", CE-8"
- NOTE:** SEE SHEET 52 FOR MULTI-USE PATH PAVEMENT STRUCTURE THRU DRIVEWAYS



FILE NAME = D:\60L72-sht-plnprf.dgn	USER NAME = rdonley	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE - 10/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

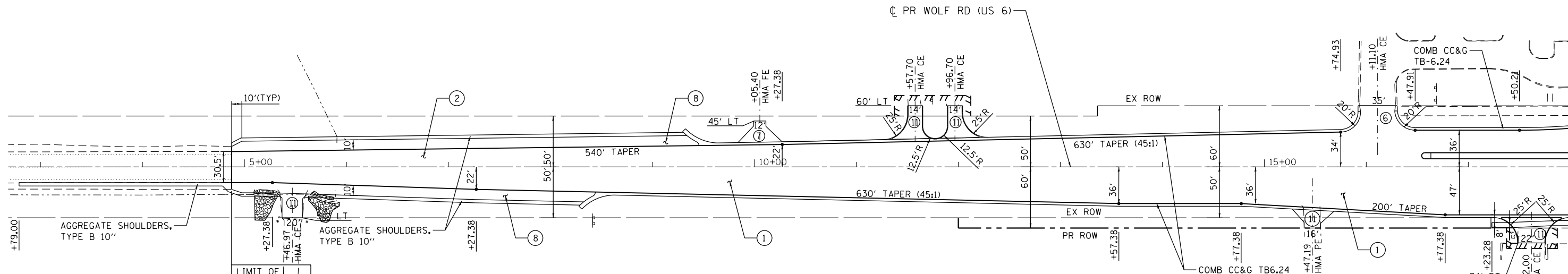
**PROPOSED ROADWAY
159TH STREET PLAN & PROFILE**

SCALE: 1"=50' SHEET 10 OF 16 SHEETS STA. 410+00.00 TO STA. 417+00.00

F.A.P. RTE. 351	SECTION 2010-081-R	COUNTY COOK	TOTAL SHEETS 1045	SHEET NO. 86
			CONTRACT NO. 60L72	
ILLINOIS FED. AID PROJECT				

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

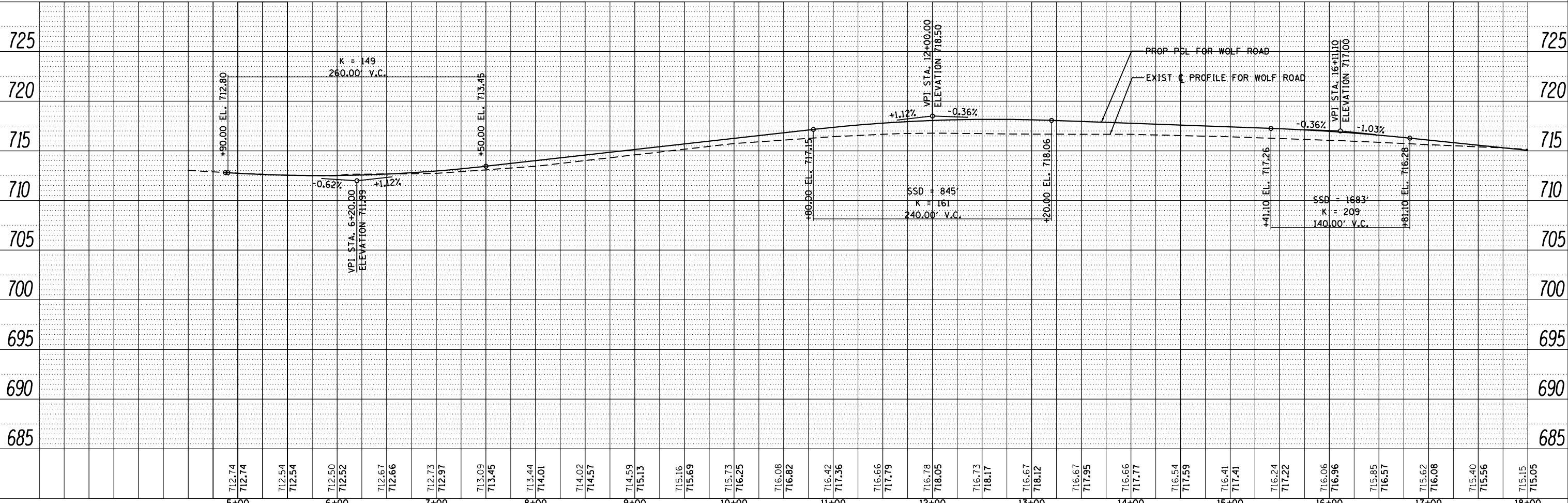
PROFILE	SURVEYED	BY	DATE
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		



PROPOSED ROADWAY LEGEND

- | | | | |
|--|--|--|---|
| ① 159TH ST, 113TH CT/AVE, 114TH CT/AVE, 115TH AVE, PARK STATION BLVD, WOLF RD
PCC PAVEMENT 9" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12" | ③ 108TH SOUTH
PCC PAVEMENT 8" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12" | ⑤ CONCRETE MEDIAN SURFACE 4" | ⑨ PCC SHOULDERS, 8" |
| ② WOLF RD
PCC PAVEMENT 9" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12" | ④ WILL COOK RD SOUTH, 108TH NORTH, 104TH AVE
PCC PAVEMENT 8" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12" | ⑥ CONCRETE ENTRANCE
PCC PAVEMENT PE-6", CE-8" | ⑩ MULTI-USE PATH
HMA SURFACE, MIX "D", N50 1 1/2"
HMA BINDER, IL-19.0, N50 2 1/2" |
| | | ⑦ FIELD ENTRANCE
HMA SURFACE MIX "D", N50 2"
AGGREGATE BASE COURSE, TYPE B, 8" | ⑪ HOT-MIX-ASPHALT ENTRANCE
HMA SURFACE MIX "D", N50 2"
HMA BINDER IL-19.0, N50 PE-6", CE-8" |
| | | ⑧ PCC SHOULDERS, 9" | |

NOTE: SEE SHEET 52 FOR MULTI-USE PATH PAVEMENT STRUCTURE THRU DRIVEWAYS

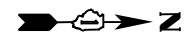


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MODELNAMEs	PLOT SCALE = 1:1000	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET 11 OF 16 SHEETS	STA. 5+00.00 TO STA. 18+00.00	CONTRACT NO. 60L72		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -									

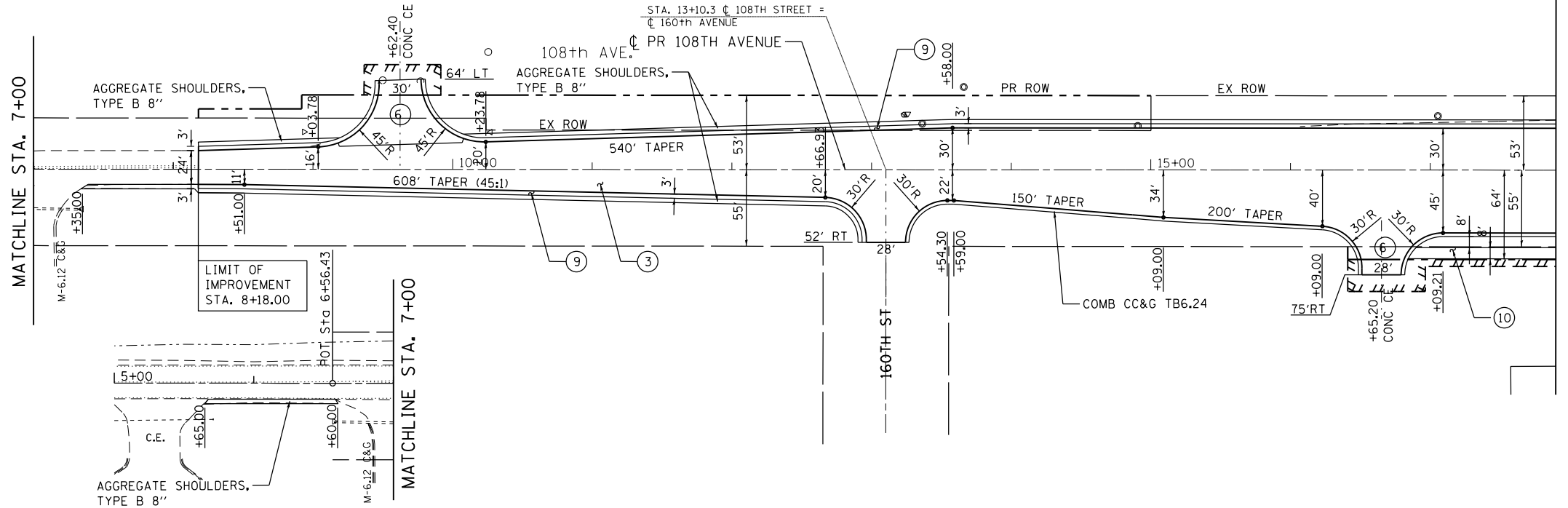
MATCHLINE STA. 18+00 SEE SHEET 80

PROPOSED ROADWAY LEGEND

- ① 159TH ST, 113TH CT/AVE, 114TH CT/AVE, 115TH AVE, PARK STATION BLVD, WOLF RD
PCC PAVEMENT 9" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12"
- ② WOLF RD
PCC PAVEMENT 9" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12"
- ③ 108TH SOUTH
PCC PAVEMENT 8" (JOINTED)
STABILIZED SUBBASE - HMA, 4 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ WILL COOK RD SOUTH, 108TH NORTH, 104TH AVE
PCC PAVEMENT 8" (JOINTED)
AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE MEDIAN SURFACE 4"
- ⑥ CONCRETE ENTRANCE
PCC PAVEMENT PE-6", CE-8"
- ⑦ FIELD ENTRANCE
HMA SURFACE MIX "D", N50 2"
AGGREGATE BASE COURSE, TYPE B, 8"
- ⑧ PCC SHOULDERS, 9"
- ⑨ PCC SHOULDERS, 8"
- ⑩ MULTI-USE PATH
HMA SURFACE, MIX "D", N50 1 1/2"
HMA BINDER, IL-19.0, N50 2 1/2"
- ⑪ HOT-MIX-ASPHALT ENTRANCE
HMA SURFACE MIX "D", N50 2"
HMA BINDER IL-19.0, N50 PE-6", CE-8"

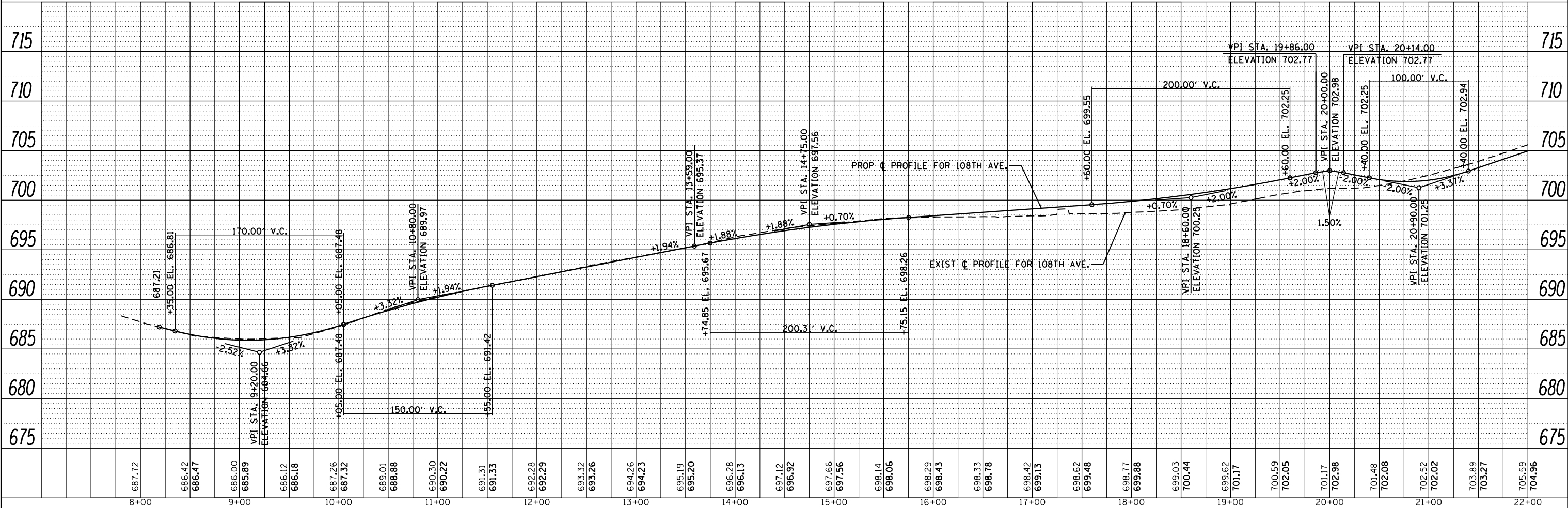


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		



MATCHLINE STA. 18+00 SEE SHEET 82

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	PLOTTED		
	NOTE BOOK		
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	CHECKED		
	NOTATRS CHFD		



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PLOT DATE = 10/22/2014

DESIGNED -
DRAWN -
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DATE - 10/28/14

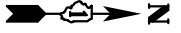
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY
108TH AVENUE PLAN & PROFILE**

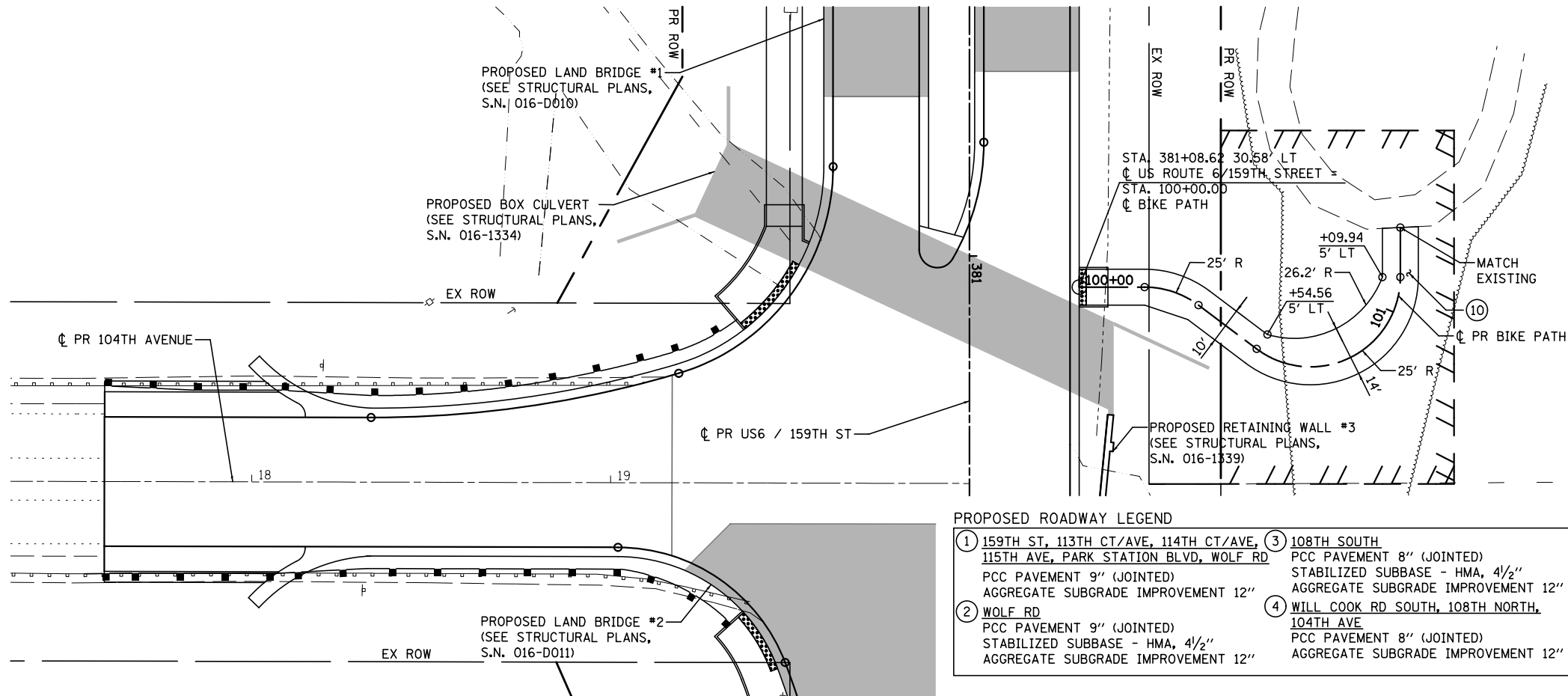
SCALE: 1"=50' SHEET 13 OF 16 SHEETS STA. 8+00.00 TO STA. 22+00.00

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	89
CONTRACT NO. 60L72			ILLINOIS FED. AID PROJECT	



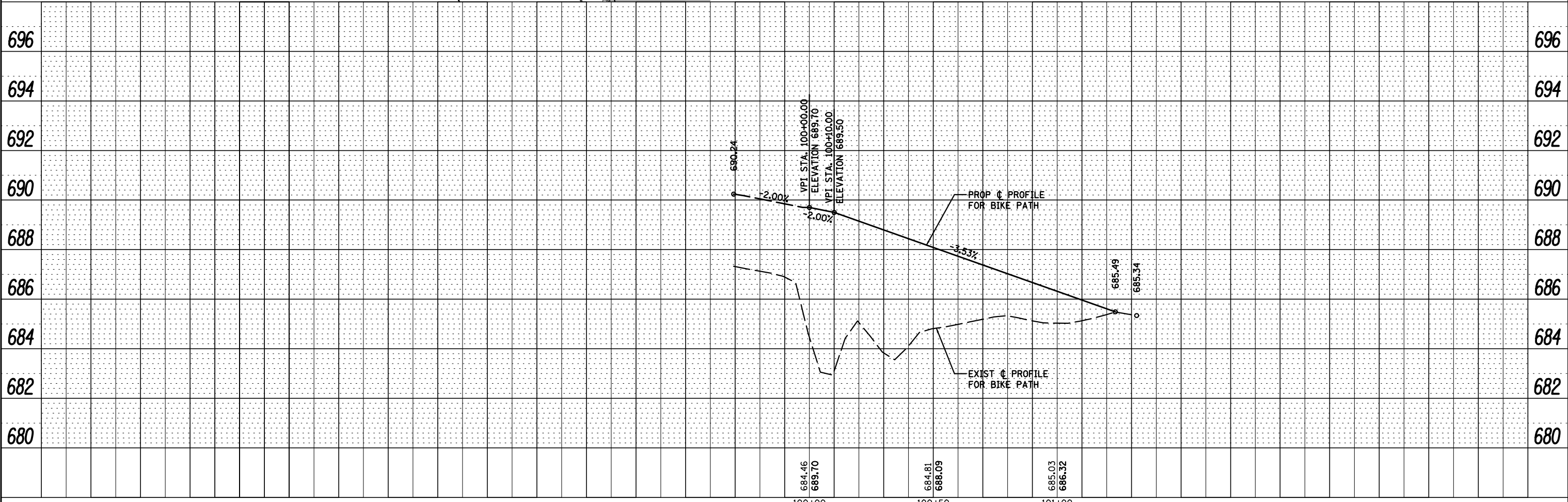
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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














NUMBER	POINT	STATION	OFFSET	NORTHING	EASTING
1	PI	100+00.00	0	1797570.65	1110327.67
2	PC	100+18.18	0	1797588.83	1110327.14
3	PT	100+34.29	0	1797603.99	1110331.72
4	PC	100+54.56	0	1797620.53	1110343.41
5	PT	101+09.94	0	1797659.95	1110322.27
6	POT	101+23.74	0	1797659.55	1110308.48

PROPOSED ROADWAY LEGEND		NOTE: SEE SHEET 52 FOR MULTI-USE PATH PAVEMENT STRUCTURE	
1	159TH ST, 113TH CT/AVE, 114TH CT/AVE, 115TH AVE, PARK STATION BLVD, WOLF RD	3	108TH SOUTH
2	WOLF RD	4	WILL COOK RD SOUTH, 108TH NORTH, 104TH AVE
5	PCC PAVEMENT 9" (JOINTED)	6	PCC PAVEMENT 8" (JOINTED)
6	AGGREGATE SUBGRADE IMPROVEMENT 12"	7	STABILIZED SUBBASE - HMA, 4 1/2"
7	CONCRETE ENTRANCE	8	AGGREGATE SUBGRADE IMPROVEMENT 12"
8	FIELD ENTRANCE	9	CONCRETE MEDIAN SURFACE 4"
9	HMA SURFACE MIX "D", N50 2"	10	PCC SHOULDERS, 8"
10	AGGREGATE BASE COURSE, TYPE B, 8"	11	MULTI-USE PATH
11	HMA SURFACE MIX "D", N50 2"		



LEGEND

-  WORK AREA
-  TEMP PAVEMENT
-  PREVIOUSLY PLACED TEMP PAVEMENT
-  DIRECTION OF TRAFFIC
-  BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHTS
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN MONO DIRECTIONAL LIGHTS IN ONE WAY AND MULTILANE SECTIONS AND BIDIRECTIONAL LIGHTS IN TWTL SECTIONS, SPACED 50' C-C IN TANGENT SECTIONS AND 20' C-C IN TAPER SECTIONS AND CORNER RADII
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE IDOT STANDARD 701901-03
-  PROPOSED SIGN
-  DOUBLE SIDED VERTICAL PANEL WITH BI-DIRECTIONAL STEADY BURN LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TA (FE) TEMPORARY ACCESS (FIELD ENTRANCE)
- TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
- TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. ALL HIGHWAY TRAFFIC CONTROL STANDARDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.
3. MAINTAIN EXISTING TRAFFIC LANES.
4. STAGING WILL TIE INTO THAT OF IMPROVEMENTS BY OTHERS AT STA. 281+00 AT THE WEST END OF THE PROJECT.
5. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS, OR ANY CHANGE IN STAGE.
6. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL MINOR ROADS, ENTRANCES, AND APPROACHES WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR "AGGREGATE FOR TEMPORARY ACCESS".
7. ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
8. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE NOTED.
9. SEE IDOT STANDARDS 701006-05, 701326-04, 701427-02, 701502-06, 701601-09, 701606-09, 701701-09 AND 701901-03 FOR TRAFFIC MAINTENANCE DURING TEMPORARY PAVEMENT CONSTRUCTION.
10. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQ YD FOR "PAVEMENT REMOVAL".
11. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
12. EXISTING PAVEMENT MARKINGS THAT INTERFERE WITH STAGE CONSTRUCTION PAVEMENT MARKINGS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR MUST VERIFY FIELD CONDITIONS BEFORE STARTING ANY WORK. CONFLICTS, DISCREPANCIES, OMISSIONS MUST BE REPORTED TO THE ENGINEER.
14. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
15. SEE CROSS SECTIONS FOR TEMPORARY PAVEMENT ELEVATIONS.
16. UTILIZE THE EXISTING SPEED LIMIT SIGNS WITHIN CONSTRUCTION LIMITS UNLESS NOTED OTHERWISE. SIZES SHALL MATCH THE SIZES OF THE EXISTING SIGNS IN FIELD.
17. TRAFFIC CONTROL AND PROTECTION FOR THE SIDE ROADS, INTERSECTIONS AND DRIVEWAYS SHALL FOLLOW DISTRICT 1 DETAIL TC-10.
18. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
19. ALL SHIFTS IN STAGING OVER THE METRA SOUTHWEST SERVICE TRACK SHALL BE COORDINATED WITH METRA BY THE CONTRACTOR.
20. THE CONTRACTOR SHALL PLACE "CAUTION NEW LANES OPEN STOP HERE" SIGNS AT EVERY INTERSECTING ROADS AND DRIVEWAYS AT LEAST 2 WEEKS PRIOR TO THE OPENING OF NEW LANES TO TRAFFIC AND/OR AS DIRECTED BY THE ENGINEER. SEE SIGN DETAIL ON SHEET 116
21. THE CONTRACTOR SHALL PLACE "STOP HERE ON RED" SIGNS (R10-6 2430) NEXT TO STOP BARS AT ALL SIGNALIZED INTERSECTIONS.
22. ALL TRACK WORK SHALL BE PERFORMED UNDER FULL CLOSURE OF 159TH STREET. METRA SHALL HAVE 7 CONSECUTIVE DAYS TO COMPLETE ALL TRACK WORK. IDOT'S CONTRACTOR WILL INSTALL THE SIGNING FOR THE DETOUR ROUTE. METRA IS RESPONSIBLE FOR OBTAINING CONCURRENCE FROM THE LOCAL AGENCIES AFFECTED BY THE DETOUR. ALL TRACK WORK MUST BE COMPLETED PRIOR TO THE START OF STAGE 1.
23. THE CONTRACTOR SHALL SCHEDULE CONSTRUCTION ON 159TH ST. AND WOLF RD. IN SUCH A MANNER THAT A MINIMUM OF ONE NORTH/SOUTH CROSSING AND ONE EAST/WEST CROSSING ARE OPEN TO PEDESTRIAN TRAFFIC DURING ALL STAGES THROUGHOUT THE DURATION OF CONSTRUCTION. EXISTING SIDEWALKS MAY BE USED DURING PRE-STAGE AND STAGE 1. PEDESTRIANS WILL BE SHIFTED ON TO NEW SHARED-USED PATH AND SIDEWALK DURING STAGES 2 AND 3. SIGNS INDICATING SIDEWALK CLOSURE TO PEDESTRIAN TRAFFIC SHALL BE ERECTED AND PLACED ACCORDING TO HIGHWAY STANDARD 701801. NO PAYMENT SHALL BE MADE FOR TEMPORARY SIDEWALK TIE-IN PIECES AT THE INTERSECTION. THE PLACEMENT OF TEMPORARY SIDEWALK TIE-IN PIECES SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.

SEQUENCE OF CONSTRUCTION

PRE-STAGE 1: 159TH ST., WOLF ROAD, 108TH AVE.

MAINTENANCE OF TRAFFIC:

1. TRAFFIC ON 159TH ST. WILL REMAIN OPEN AND MAINTAINED IN BOTH DIRECTIONS.
2. ALL SIDE STREETS WILL ALSO REMAIN OPEN IN BOTH DIRECTIONS.
3. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701326-04 AND 701427-02.
4. UTILIZE BARRICADES TO PROTECT SIDE ROADS, DRIVEWAYS, AND INTERSECTIONS PER DISTRICT 1 DETAIL TC-10.
5. UTILIZE EXISTING PAVEMENT MARKINGS, EXISTING SPEED LIMITS SIGN (UNLESS OTHERWISE NOTED).

CONSTRUCTION ACTIVITIES:

1. REMOVE EXISTING CURB AND GUTTER, SHOULDER, DRIVEWAYS AND TREES ALONG NORTH SIDE OF 159TH ST. AND EAST SIDE OF WOLF ROAD AND 108TH AVE. AS REQUIRED TO CONSTRUCT THE TEMPORARY PAVEMENT.
2. CONSTRUCT TEMPORARY PAVEMENT ALONG NORTH SIDE OF 159TH ST., EAST SIDE OF WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
3. INSTALL TEMPORARY RAILROAD SIGNALS AT THE RAILROAD CROSSING ON 159TH STREET. SEE SHEET 106 FOR "WORK BY OTHERS" NOTES.
4. CONSTRUCT STORM SEWER TRUNK LINE ALONG THE NORTH SIDE OF 159" STREET FROM EAST OF EAST OF 113" COURT TO EAST OF 108" AVENUE (APPROXIMATELY STA. 320+00 TO STA. 354+00) AND ALONG THE WEST SIDE OF WOLF ROAD FROM APPROXIMATELY STA. 13+79 TO STA. 34+74. PROPOSED DRAINAGE STRUCTURES WITHIN THE LIMITS OF THE TEMPORARY PAVEMENT ALONG 159" STREET SHALL BE PARTIALLY CONSTRUCTED AND A METAL PLATE INSTALLED TO COVER THE OPENING OF THE STRUCTURE AS DIRECTED BY THE ENGINEER. THE DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO FINAL GRADE DURING STAGE 2. EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF THE TEMPORARY PAVEMENT WHICH ARE TO REMAIN FOR THE FINAL CONDITION SHALL HAVE A PLATE INSTALLED OVER THE OPENING AS DIRECTED BY THE ENGINEER AND SHALL BE ADJUSTED TO FINAL GRADE IN STAGE 2.
5. CONSTRUCT STORM SEWER LATERALS UNDER THE EXISTING 159" STREET PAVEMENT BETWEEN APPROXIMATELY STA. 320+00 TO STA. 368+00 AND UNDER THE EXISTING WOLF ROAD PAVEMENT FROM APPROXIMATELY STA. 13+79 TO STA. 32+00 AS INDICATED ON THE PAVEMENT PATCHING SCHEDULE. TEMPORARILY PLUG THE LATERALS AND CONSTRUCT PAVEMENT PATCHES. UTILIZE HIGHWAY STANDARDS 701326-04, 701502-06, 701601-09, 701606-09, AND 701701-09 AS APPLICABLE.

STAGE 1: 159TH ST., WOLF ROAD, 108TH AVE., 104TH AVE.

MAINTENANCE OF TRAFFIC:

1. REPLACE ALL PRE-STAGE 1 TRAFFIC CONTROL DEVICES WITH STAGE 1 TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
2. SHIFT 159TH ST., WOLF ROAD, AND 108TH AVE. TRAFFIC TO TEMPORARY TRAFFIC LANES ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
3. 104TH AVENUE WILL BE CLOSED DURING STAGE STAGE 1. SEE DETOUR PLAN ON SHEET 101
4. TEMPORARY TRAFFIC CONTROL TO ACCOMODATE CONSTRUCTION OF TEMPORARY SOIL RETENTION SYSTEMS.
5. TEMPORARY ACCOMODATIONS WILL BE PROVIDED TO MAINTAIN ACCESS ON ALL OTHER SIDE STREETS ABUTTING THE PAVEMENT CONSTRUCTION OF THE INTERSECTING ROAD.
6. UTILIZE IDOT STANDARDS 701006-05, 701601-09, 701606-09, 701502-06, 701326-04 AND 701427-02.
7. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

FILE NAME = D160L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES AND SEQUENCE OF CONSTRUCTION	F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 93		
#MODELNAME#	PLOT SCALE = 1:100	CHECKED - MGZ	REVISED -			SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA. -	TO STA. -	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -			CONTRACT NO. 60L72						

SEQUENCE OF CONSTRUCTION - (CONT.)

CONSTRUCTION ACTIVITIES:

1. CONSTRUCT PAVEMENT SOUTH OF 159TH ST. CENTERLINE FROM STA. 281+00 TO STA. 413+99.56 ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
2. CONSTRUCT DRAINAGE STRUCTURES AND SEWERS WITHIN THE PAVEMENT CONSTRUCTION AREA INCLUDING PARTIAL BOX CULVERTS AT SPRING AND MARLEY CREEKS.
3. CONSTRUCT PAVEMENT AND DRAINAGE ON THE WEST SIDE OF WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
4. CONSTRUCT PAVEMENT AND DRAINAGE ON THE CLOSED 104TH AVE.
5. CONSTRUCT PAVEMENT AND DRAINAGE ON THE REMAINING SIDE STREETS ABUTTING THE PAVEMENT CONSTRUCTION OF THE INTERSECTING ROAD.
6. CONSTRUCT TEMPORARY PAVEMENT AND DRAINAGE ON 159TH ST. TO BE USED IN STAGE 2.
7. CONSTRUCT DRY LAND BRIDGES AND RETAINING WALLS.
8. INSTALL TEMPORARY AND PERMANENT RAILROAD SIGNALS AT THE RAILROAD CROSSING ON 159TH STREET. SEE SHEET 114 FOR "WORK BY OTHERS" NOTES.
9. CONSTRUCT TEMPORARY SOIL RETENTION SYSTEMS.

STAGE 1A: WOLF ROAD, 108TH AVE.

MAINTENANCE OF TRAFFIC:

1. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701326-04, 701427-02, 701502-06, 701901-03, AND 701701-09.
2. SHIFT SOUTHBOUND AND LEFT TURNING TRAFFIC ON NEWLY BUILT PAVEMENT WEST OF WOLF ROAD AND 108TH AVE. CENTERLINE.
3. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES:

1. CONSTRUCT TEMPORARY PAVEMENT AT THE INTERSECTION OF 159TH ST. WITH WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
2. CONSTRUCT PAVEMENT AND DRAINAGE STRUCTURES AND SEWERS ON WOLF ROAD AND 108TH AVE. ADJACENT TO THE NEWLY BUILT PAVEMENT ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.

STAGE 1B: WOLF ROAD, 108TH AVE.

MAINTENANCE OF TRAFFIC:

1. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701326-04, 701427-02, 701502-06, AND 701701-09.
2. SHIFT ALL TRAFFIC ON NEWLY BUILT PAVEMENT WEST OF WOLF ROAD AND 108TH AVE. CENTERLINE.
3. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES:

1. CONSTRUCT TEMPORARY PAVEMENT AT THE INTERSECTION OF 159TH ST. WITH WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
2. CONSTRUCT PAVEMENT AND DRAINAGE STRUCTURES AND SEWERS ON WOLF ROAD AND 108TH AVE. ADJACENT TO THE NEWLY BUILT PAVEMENT ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.

SEQUENCE OF CONSTRUCTION - (CONT.)

STAGE 2: 159TH ST., WOLF ROAD, 108TH AVE.

MAINTENANCE OF TRAFFIC:

1. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701601-09, 701606-09, 701427-02, 701502-06 AND 701326-04.
2. SHIFT 159TH ST. TRAFFIC ON NEWLY BUILT PAVEMENT SOUTH OF U.S. RTE 14 CENTERLINE.
3. CONTINUE TRAFFIC ON NEWLY BUILT PAVEMENT WEST OF WOLF ROAD AND 108TH AVE. CENTERLINE.
4. NEWLY BUILT 104TH AVE. WILL NOW BE OPEN TO TRAFFIC.
5. TEMPORARY ACCOMODATIONS WILL BE PROVIDED TO MAINTAIN ACCESS ON ALL OTHER SIDE STREETS ABUTTING THE PAVEMENT CONSTRUCTION OF THE INTERSECTING ROAD.
6. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES:

1. REMOVE TEMPORARY PAVEMENT ON 159TH ST., WOLF ROAD, AND 108TH AVE. BUILT IN PRE-STAGE 1.
2. CONSTRUCT PAVEMENT ON 159TH ST. NORTH OF THE CENTERLINE FROM STA 281+00 TO STA. 414+00 ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
3. CONSTRUCT DRAINAGE STRUCTURES AND SEWERS WITHIN THE PAVEMENT CONSTRUCTION AREA. CONSTRUCT REMAINING BOX CULVERTS.
4. CONSTRUCT REMAINING WORK ON WOLF ROAD AND 108TH AVE. EAST OF THE CENTERLINE ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
5. CONTINUE CONSTRUCTING DRY LAND BRIDGES AND RETAINING WALLS.
6. CONSTRUCT TEMPORARY SOIL RETENTION SYSTEMS.
7. INSTALL REMAINING PERMANENT SIGNALS AT THE RAILROAD CROSSING ON 159TH STREET. SEE SHEET 128 FOR "WORK BY OTHERS" NOTES.

STAGE 2A: WOLF ROAD, 108TH AVE.

MAINTENANCE OF TRAFFIC:

1. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701326-04, 701427-02, 701502-06, AND 701701-09.
2. SHIFT TRAFFIC ON WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
3. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES:

1. REMOVE TEMPORARY PAVEMENT AT THE INTERSECTION OF 159TH ST. WITH WOLF ROAD, AND 108TH AVE. BUILT IN PRE-STAGE 1A.
2. CONSTRUCT PAVEMENT AND DRAINAGE WHERE THE TEMPORARY PAVEMENT IS REMOVED AT 159TH ST. INTERSECTION WITH WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.

STAGE 2B: WOLF ROAD, 108TH AVE.

MAINTENANCE OF TRAFFIC:

1. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701326-04, 701427-02, 701502-06, AND 701701-09.
2. SHIFT TRAFFIC ON WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.
3. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES:

1. REMOVE TEMPORARY PAVEMENT AT THE INTERSECTION OF 159TH ST. WITH WOLF ROAD, AND 108TH AVE. BUILT IN PRE-STAGE 1A.
2. CONSTRUCT PAVEMENT AND DRAINAGE WHERE THE TEMPORARY PAVEMENT IS REMOVED AT 159TH ST. INTERSECTION WITH WOLF ROAD AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.

STAGE 3: 159TH ST., WOLF ROAD, 108TH AVE.

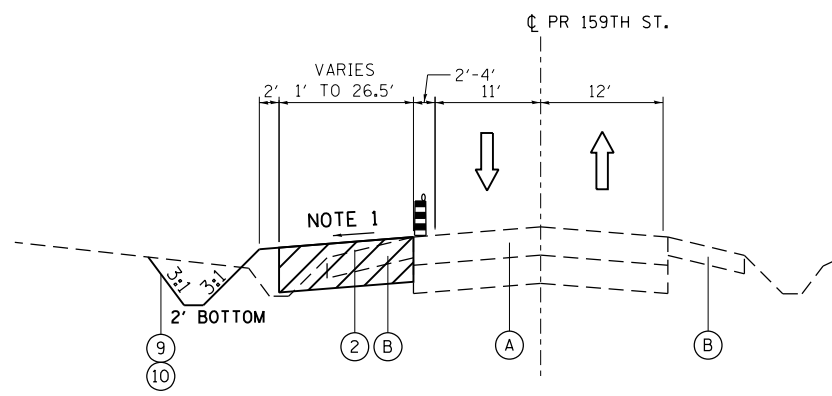
MAINTENANCE OF TRAFFIC:

1. PLACE TRAFFIC CONTROL DEVICES ON 159TH ST., WOLF ROAD, AND 108TH AVE. ACCORDING TO STAGING AND TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. UTILIZE IDOT STANDARDS 701006-05, 701326-04, 701427-02, 701502-06, AND 701701-09.
2. SHIFT 159TH ST. TRAFFIC TO OUTSIDE LANES TO ALLOW MEDIAN CONSTRUCTION.
3. TEMPORARY LANE CLOSURES MAY BE PERMITTED DURING OFF PEAK HOURS AS DIRECTED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES:

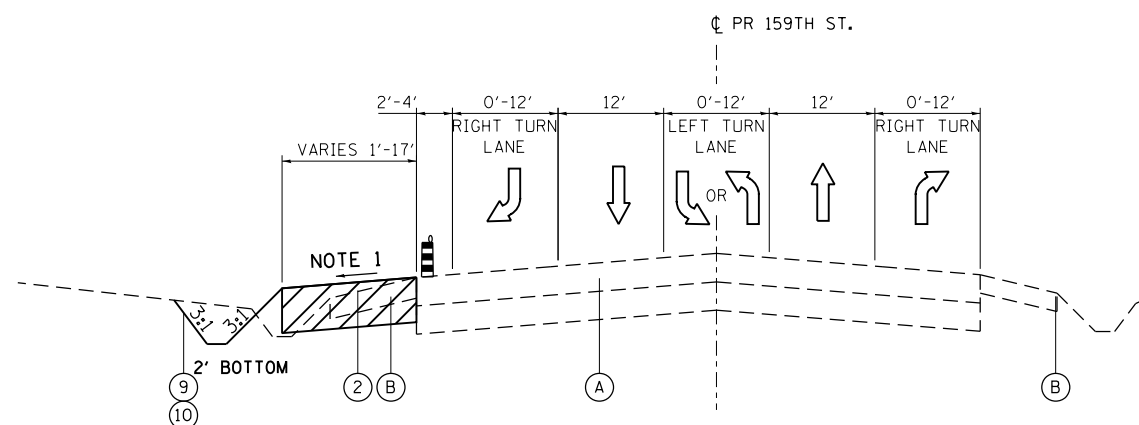
1. REMOVE TEMPORARY PAVEMENT ON 159TH ST. BUILT IN STAGE 1.
2. CONSTRUCT 159TH ST. MEDIANS, TURN LANES, AND INTERSECTIONS FROM STA 281+00 TO STA. 415+06.51.
3. ADJUST MEDIAN DRAINAGE STRUCTURE THAT WERE CONSTRUCTED IN PREVIOUS STAGE(S) AND COMPLETE ANY REMAINING DRAINAGE CONSTRUCTION WITHIN MEDIAN AREA.
4. COMPLETE THE CONSTRUCTION OF DRY LAND BRIDGES.
5. COMPLETE RAILROAD SIGNALS INSTALLATION AT THE RAILROAD CROSSING ON 159TH STREET. SEE SHEET 142 FOR "WORK BY OTHERS" NOTES.
6. INSTALL PERMANENT LANDSCAPING.

FILE NAME = D160L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES AND SEQUENCE OF CONSTRUCTION				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#MODELNAME#	PLOT SCALE = 1:100	CHECKED - MGZ	REVISED -						351	2010-081-R	COOK	1045	94
	PLOT DATE = 10/22/2014	DATE - 10/28/14	REVISED -		SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. - TO STA. -				ILLINOIS FED. AID PROJECT CONTRACT NO. 60L72				



PRE-STAGE 1 - 159TH ST

STA. 281+00 TO STA. 311+99.3
STA. 367+80.7 TO 378+18.9



PRE-STAGE 1

STA. 311+99.3 TO STA. 367+80.7

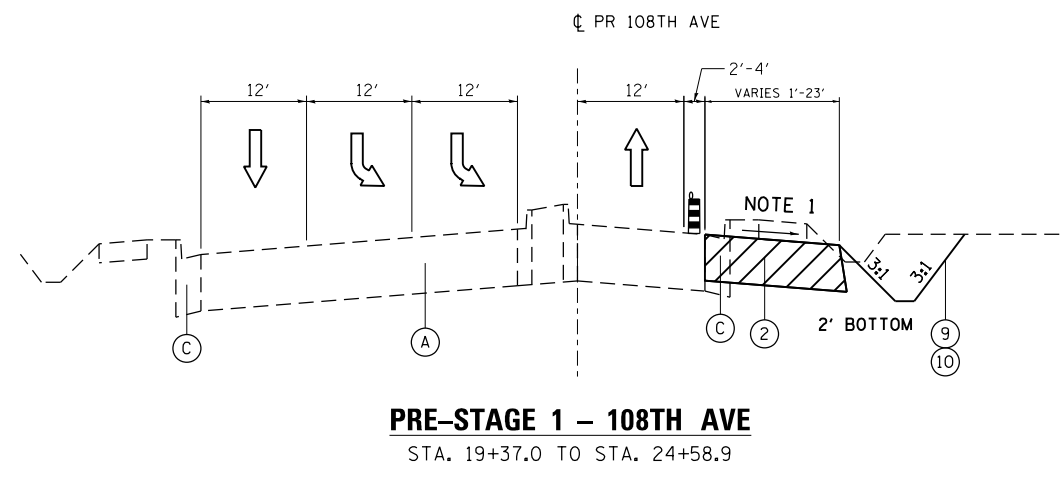
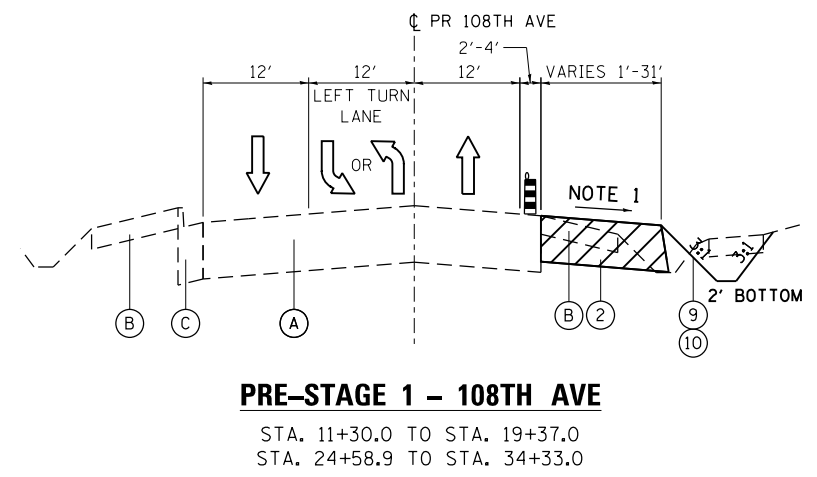
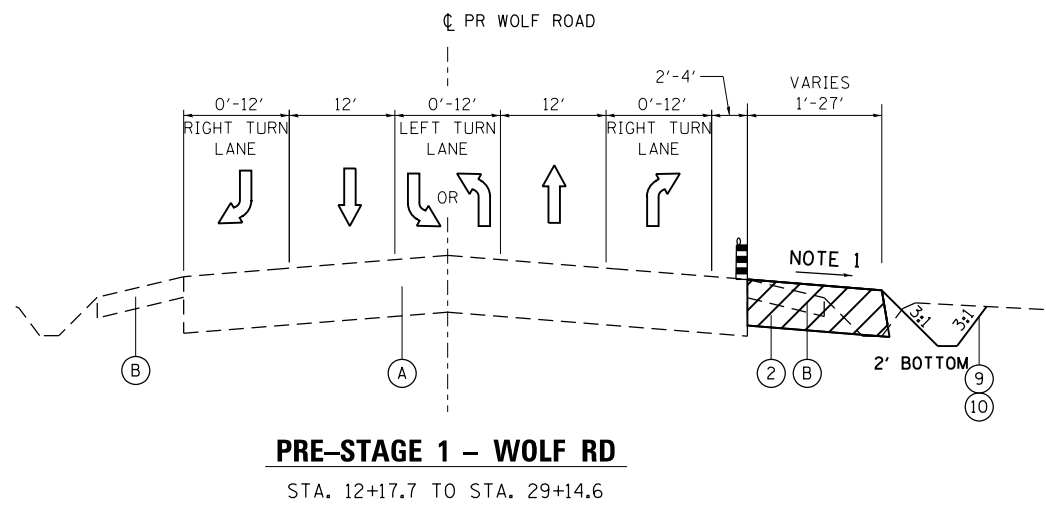
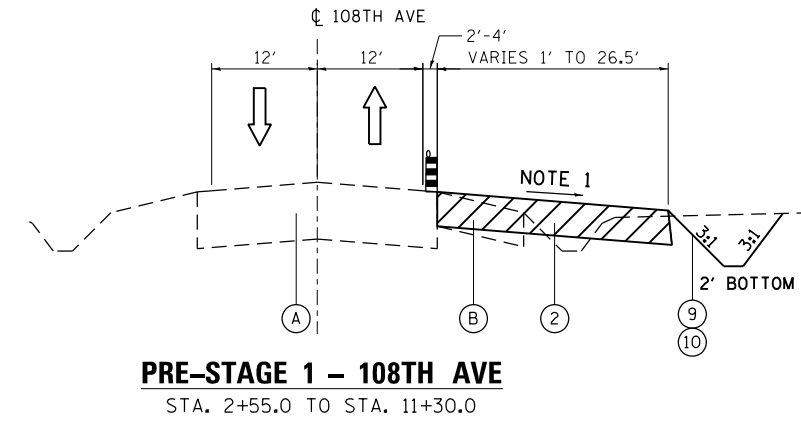
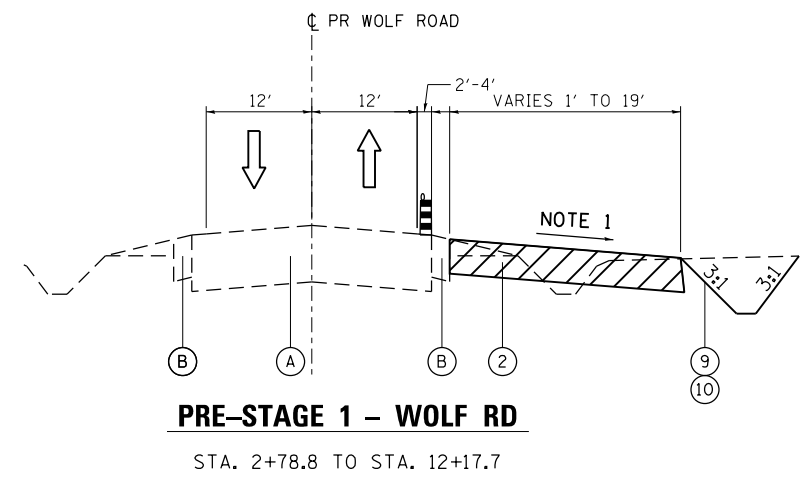
LEGEND

- (A) EXISTING HMA PAVEMENT
- (B) EXISTING HMA SHOULDER
- (1) WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (WHITE)
- (2) TEMPORARY PAVEMENT
- (3) WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH (WHITE)
- (4) WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (DOUBLE YELLOW)
- (5) WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (YELLOW)
- (6) DRUM WITH STEADY BURNING LIGHT
- (7) TEMPORARY CONCRETE BARRIER
- (8) VERTICAL PANEL
- (9) TOPSOIL EXCAVATION AND PLACEMENT (6")
- (10) TEMPORARY EROSION CONTROL SEEDING
- (11) TRAFFIC DIRECTION
- (12) SEEDING, CLASS 2A
- (13) SODDING, SALT TOLERANT

NOTE:

1. FOR TEMPORARY PAVEMENT CROSS SLOPE, MATCH EXISTING ADJACENT PAVEMENT, 1.5% MIN.

FILE NAME = D:\60L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC 159TH STREET TYPICAL SECTIONS PRE-STAGE 1	F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 95	
	PLOT SCALE = 1:100	CHECKED - MGZ	REVISED -			CONTRACT NO. 60L72					
MODELNAME	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -		SCALE: N.T.S.	SHEET 1 OF 6 SHEETS	STA. - TO STA. -	ILLINOIS FED. AID PROJECT			



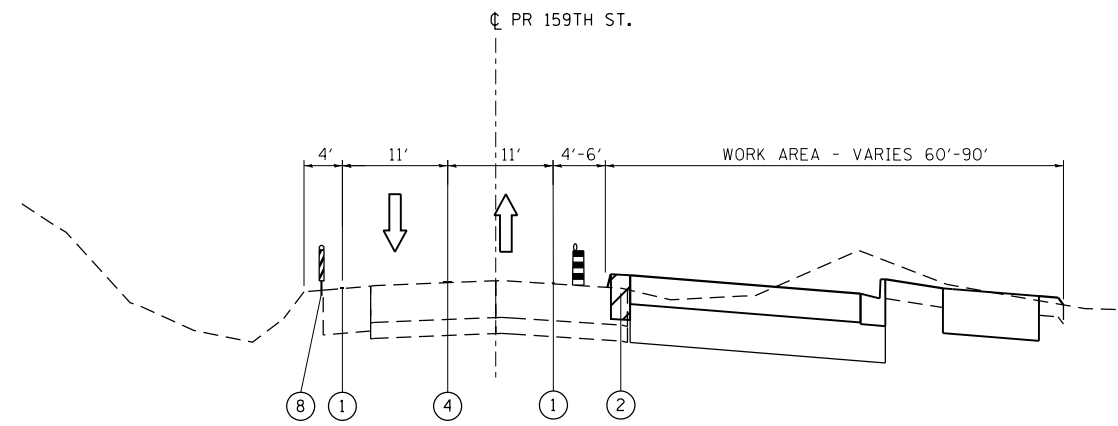
LEGEND

- (A) EXISTING HMA PAVEMENT
- (B) EXISTING HMA SHOULDER
- (1) WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (WHITE)
- (2) TEMPORARY PAVEMENT
- (3) WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH (WHITE)
- (4) WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (DOUBLE YELLOW)
- (5) WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (YELLOW)
- (6) DRUM WITH STEADY BURNING LIGHT
- (7) TEMPORARY CONCRETE BARRIER
- (8) VERTICAL PANEL
- (9) TOPSOIL EXCAVATION AND PLACEMENT (6")
- (10) TEMPORARY EROSION CONTROL SEEDING
- (11) TRAFFIC DIRECTION
- (12) SEEDING, CLASS 2A
- (13) SODDING, SALT TOLERANT

NOTE:

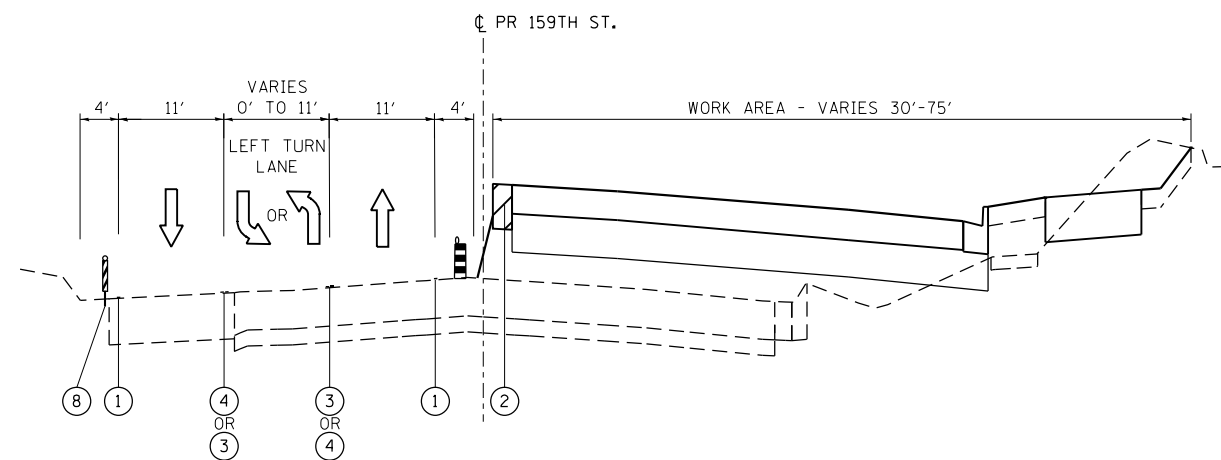
- 1. FOR TEMPORARY PAVEMENT CROSS SLOPE, MATCH EXISTING ADJACENT PAVEMENT, 1.5% MIN.

FILE NAME = D:\60L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC WOLF ROAD AND 108TH AVE TYPICAL SECTIONS PRE-STAGE 1	F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 96
	PLOT SCALE = 1:100	CHECKED - MGZ	REVISED -			SCALE: N.T.S.	SHEET 2 OF 6 SHEETS	STA. - TO STA. -	CONTRACT NO. 60L72	
MODELNAME	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -							



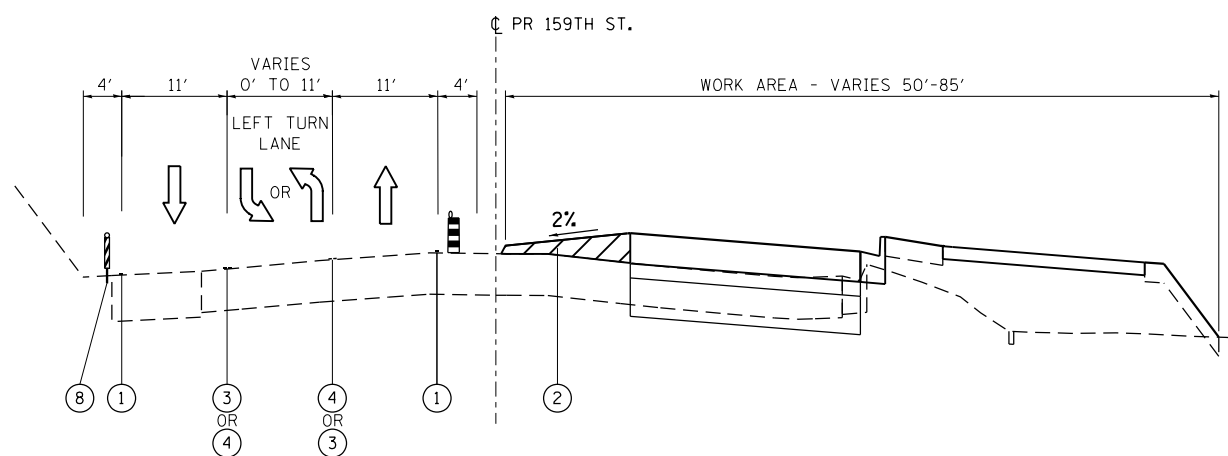
STAGE 1 - 159TH ST

STA. 281+00 TO STA. 313+36.4
 STA. 364+76.8 TO STA. 368+57.2



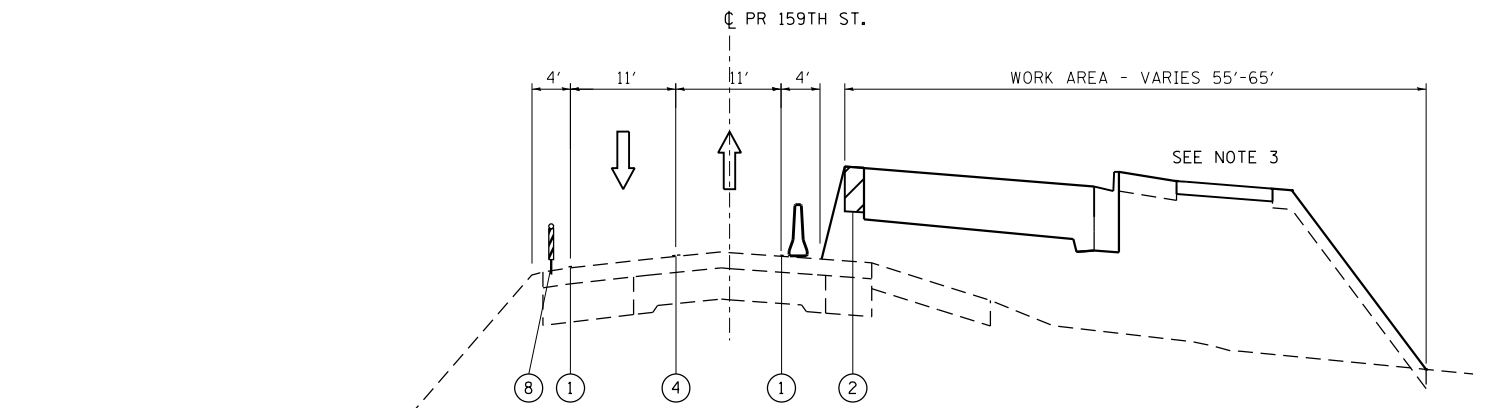
STAGE 1 - 159TH ST

STA. 313+36.4 TO STA. 348+52.5
 STA. 408+91.7 TO STA. 415+06.5



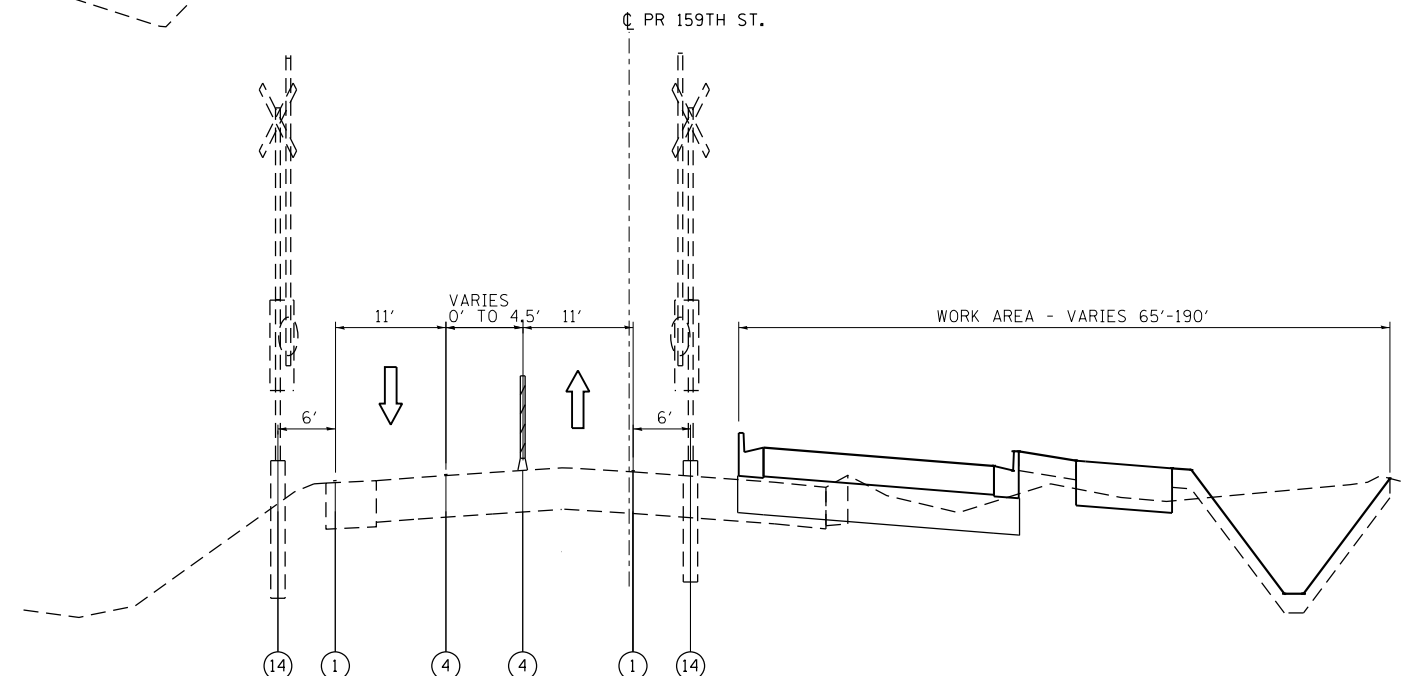
STAGE 1 - 159TH ST

STA. 348+52.5 TO STA. 364+76.8



STAGE 1 - 159TH ST

STA. 373+47.8 TO STA. 408+91.7



STAGE 1 - 159TH ST

STA. 368+57.2 TO STA. 373+47.8

LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (WHITE)
- ② TEMPORARY PAVEMENT
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (DOUBLE YELLOW)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (YELLOW)
- ⑥ DRUM WITH STEADY BURNING LIGHT
- ⑦ TEMPORARY CONCRETE BARRIER
- ⑧ VERTICAL PANEL
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (6")
- ⑩ TEMPORARY EROSION CONTROL SEEDING
- ⑪ TRAFFIC DIRECTION
- ⑫ SEEDING, CLASS 2A
- ⑬ SODDING, SALT TOLERANT
- ⑭ RAILROAD SIGNAL
- ⑮ FLEXIBLE DELINEATOR (YELLOW)

NOTES:

1. FOR TEMPORARY PAVEMENT CROSS SLOPE, MATCH EXISTING ADJACENT PAVEMENT, 1.5% MIN.
2. SEE MOT PLAN FOR LOCATION OF TEMPORARY CONCRETE BARRIER AT SPRING CREEK BOX CULVERT AND DRY LAND BRIDGES CONSTRUCTION.
3. MULTI-USE PATH ADJACENT TO LAND BRIDGES TO BE CONSTRUCTED IN STAGE 3. PROVIDE ADDITIONAL EMBANKMENT SUBSEQUENT TO STAGE 1 TO ATTAIN PATH PROFILE GRADE AS NEEDED.

FILE NAME =
 D160L72-sht-typical-MOT.dgn
 \$MODELNAME\$

USER NAME = rdonley
 PLOT SCALE = 1:100
 PLOT DATE = 10/22/2014

DESIGNED - RVM
 DRAWN - RVM
 CHECKED - MGZ
 DATE - 10/28/14

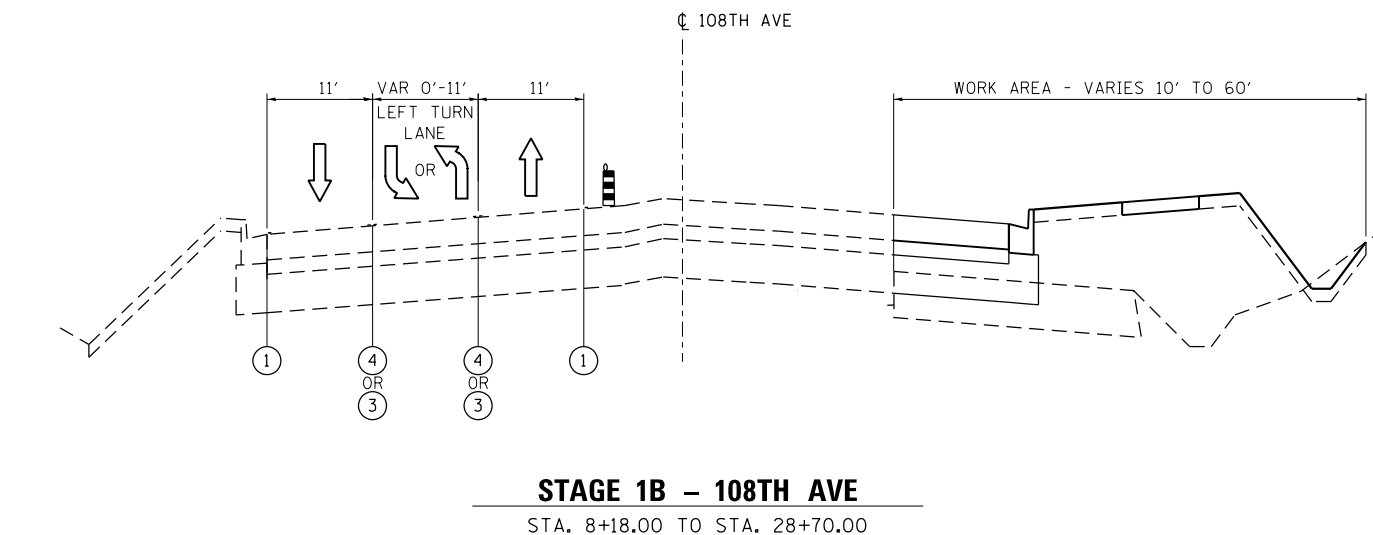
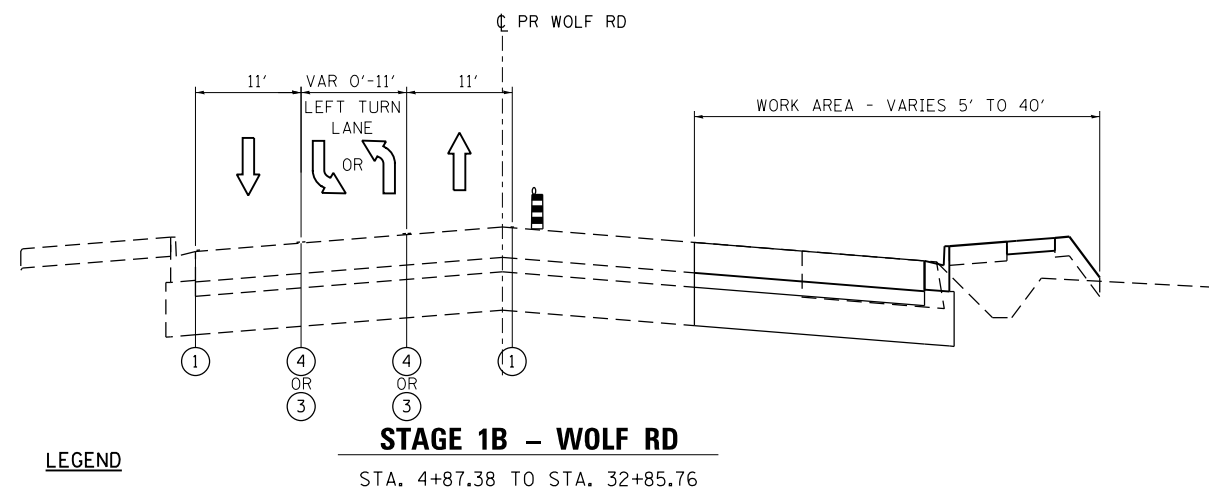
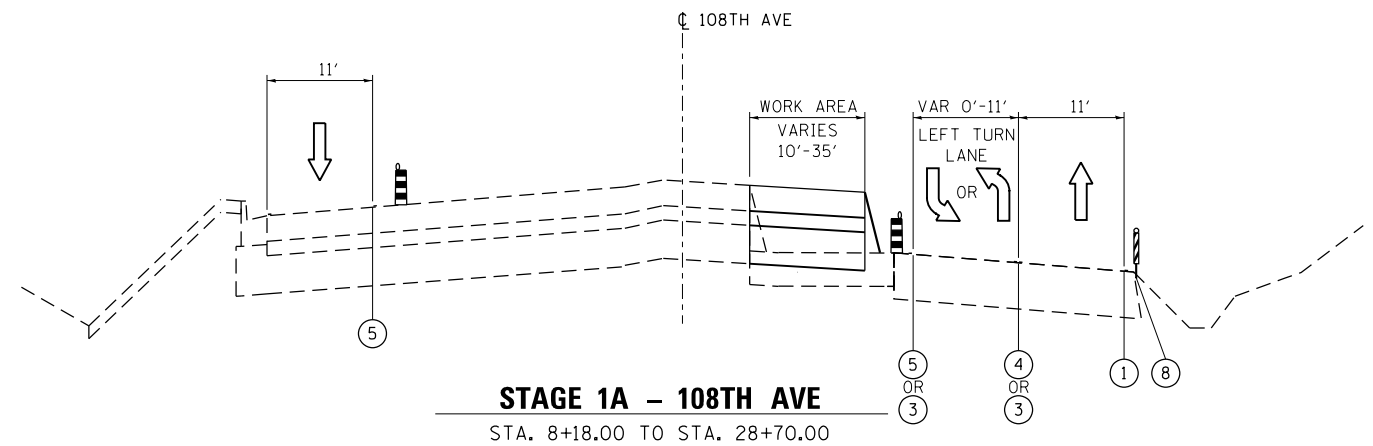
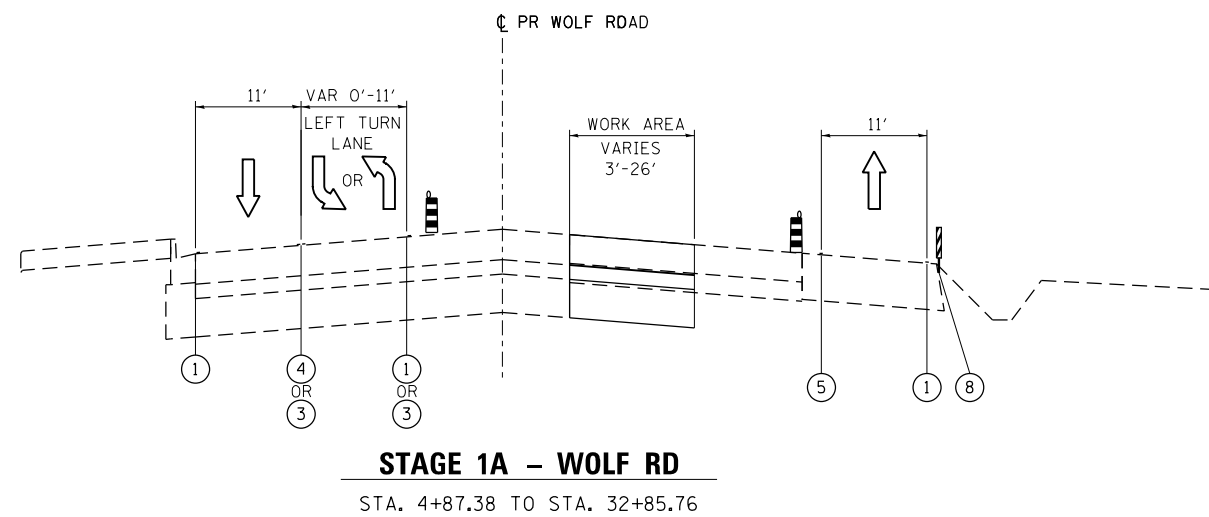
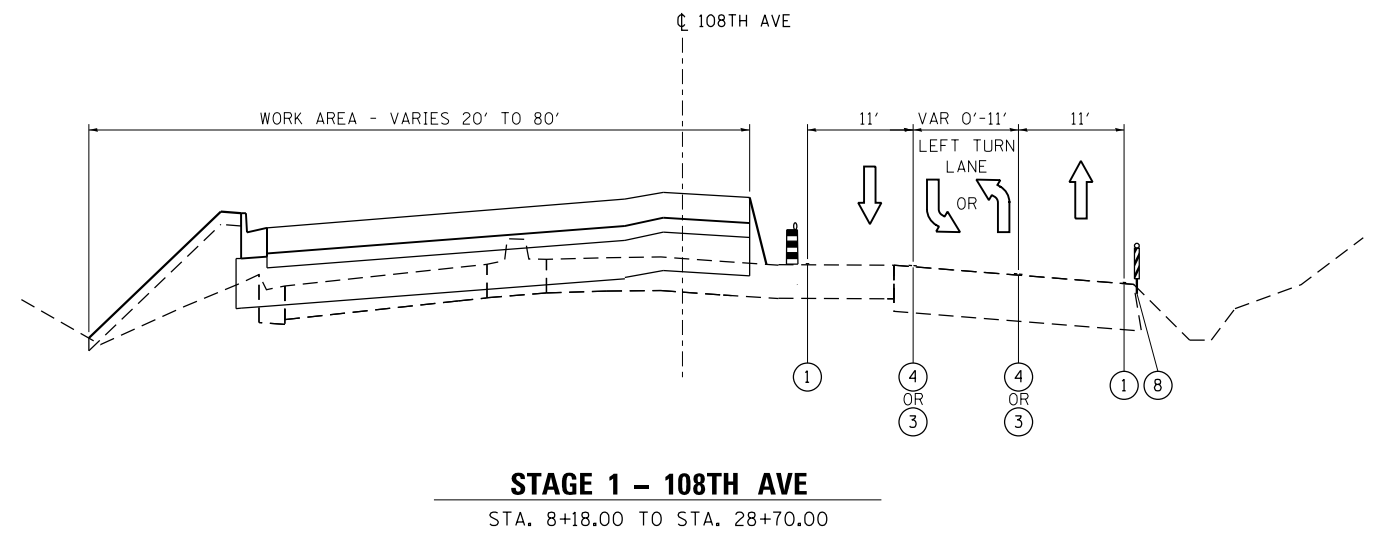
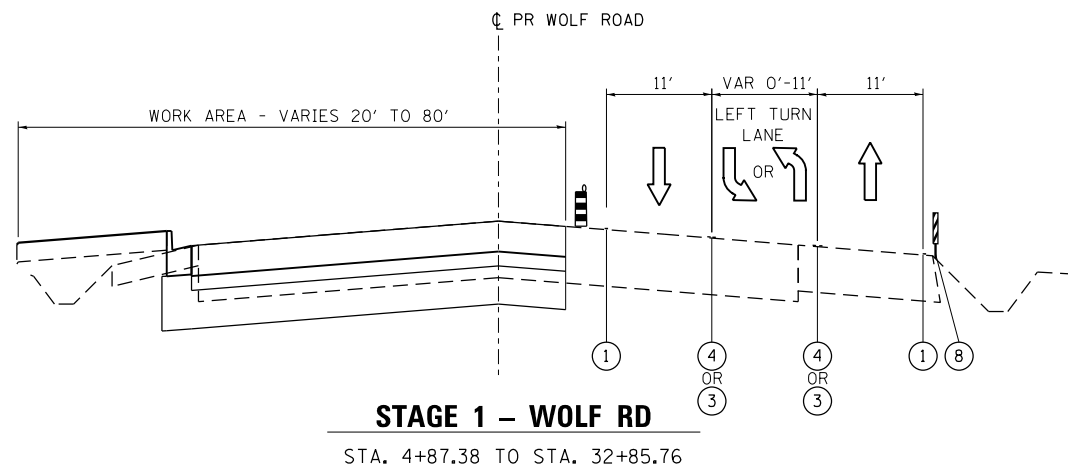
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
 159TH STREET TYPICAL SECTIONS STAGE 1**

SCALE: SHEET 3 OF 6 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	2010-081-R	COOK	1045	97
CONTRACT NO. 60L72				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (WHITE)
- ② TEMPORARY PAVEMENT
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (DOUBLE YELLOW)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (YELLOW)
- ⑥ DRUM WITH STEADY BURNING LIGHT
- ⑦ TEMPORARY CONCRETE BARRIER
- ⑧ VERTICAL PANEL
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (6")
- ⑩ TEMPORARY EROSION CONTROL SEEDING
- ⑪ TRAFFIC DIRECTION
- ⑫ SEEDING, CLASS 2A
- ⑬ SODDING, SALT TOLERANT
- ⑭ RAILROAD SIGNAL
- ⑮ FLEXIBLE DELINEATOR (YELLOW)

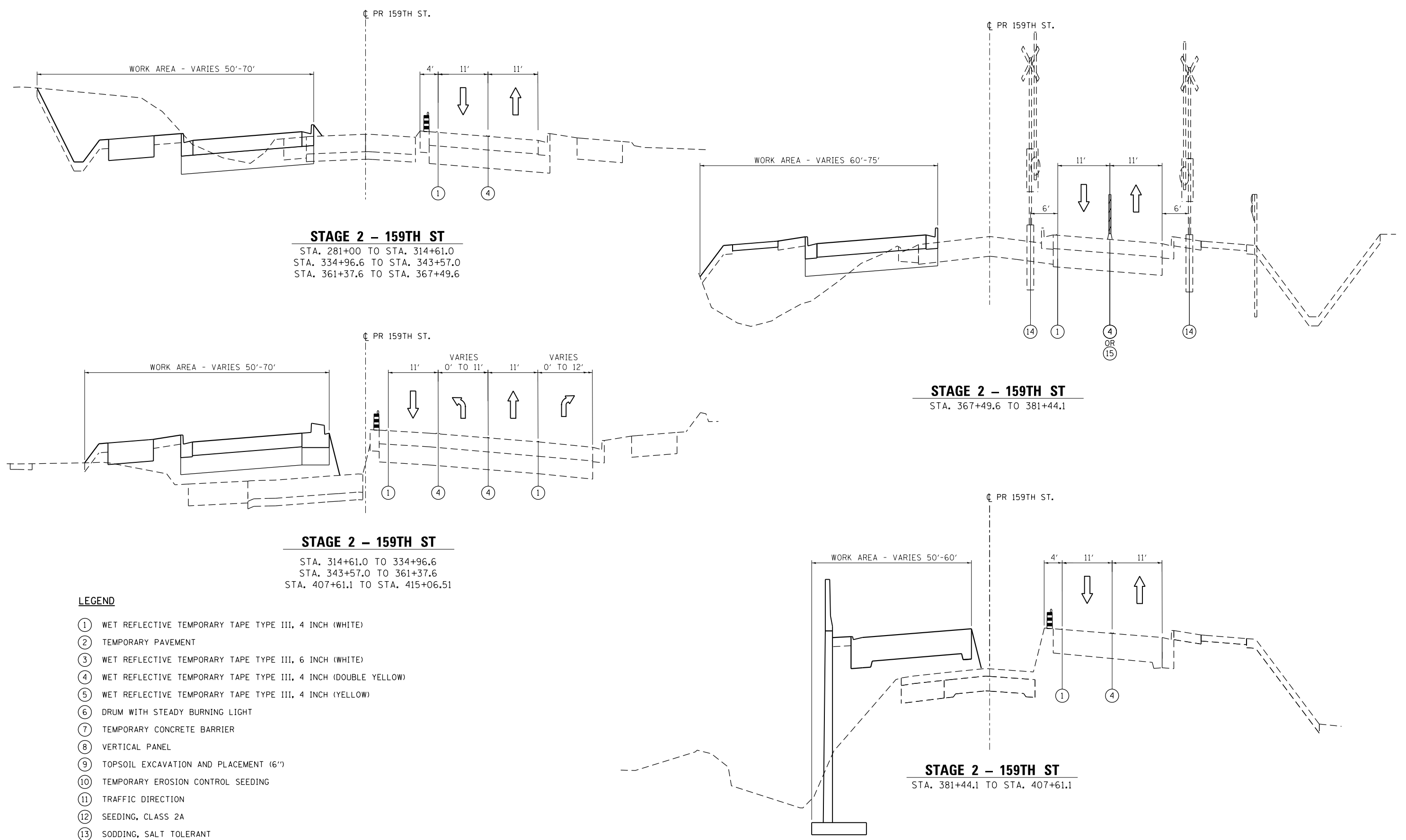
FILE NAME = D160L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -
		DRAWN - RVM	REVISED -
	PLOT SCALE = 1:1000	CHECKED - MGZ	REVISED -
#MODELNAME#	PLOT DATE = 10/22/2014	DATE - 10/28/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
WOLF ROAD AND 108TH AVE TYPICAL SECTIONS STAGE 1**

SCALE: N.T.S. SHEET 4 OF 6 SHEETS STA. - TO STA. -

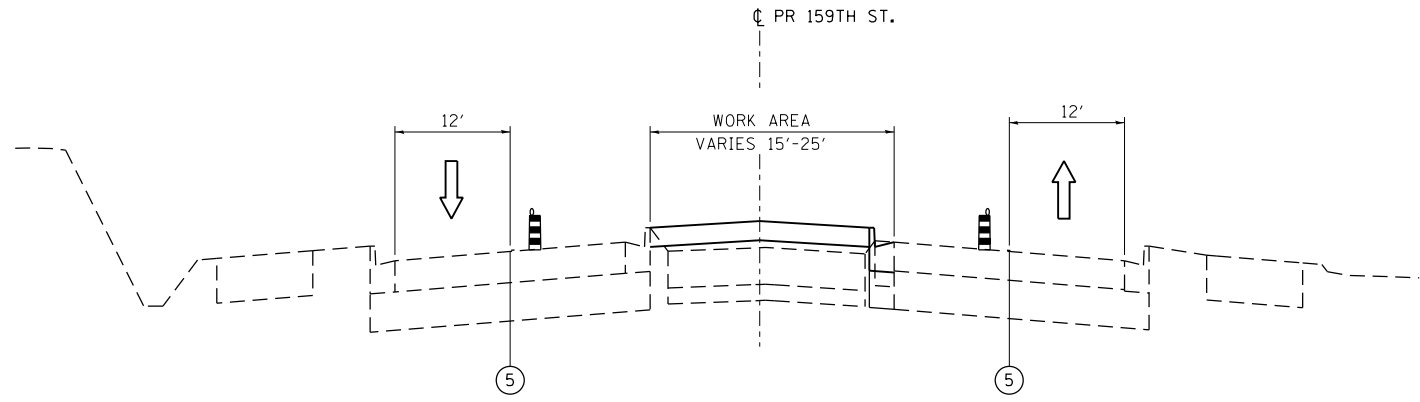
F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 98
				CONTRACT NO. 60L72
ILLINOIS FED. AID PROJECT				



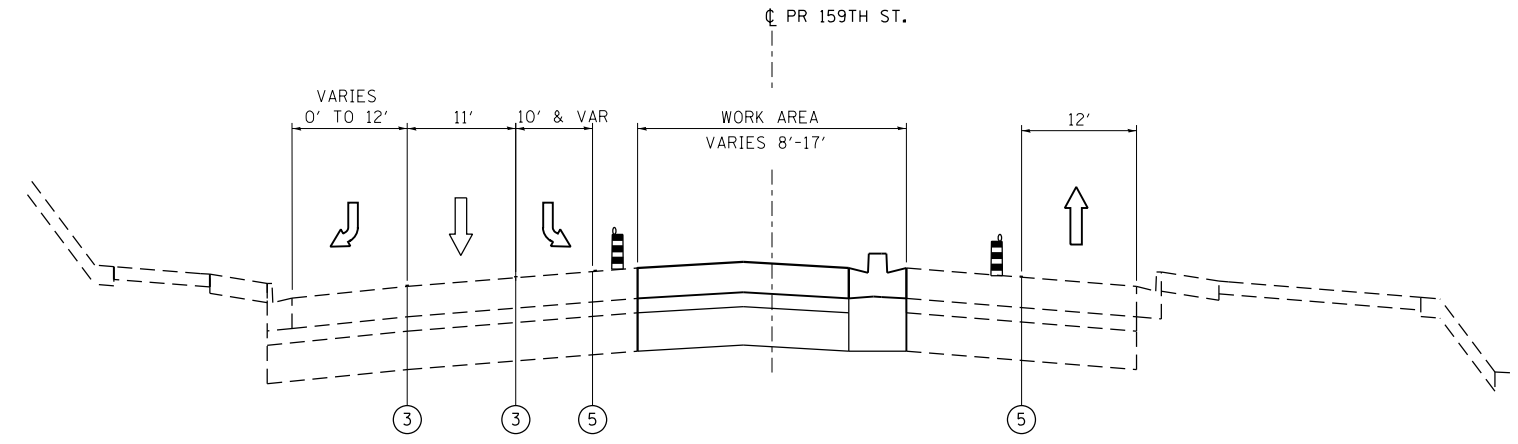
LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (WHITE)
- ② TEMPORARY PAVEMENT
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (DOUBLE YELLOW)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (YELLOW)
- ⑥ DRUM WITH STEADY BURNING LIGHT
- ⑦ TEMPORARY CONCRETE BARRIER
- ⑧ VERTICAL PANEL
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (6")
- ⑩ TEMPORARY EROSION CONTROL SEEDING
- ⑪ TRAFFIC DIRECTION
- ⑫ SEEDING, CLASS 2A
- ⑬ SODDING, SALT TOLERANT
- ⑭ RAILROAD SIGNAL
- ⑮ FLEXIBLE DELINEATOR

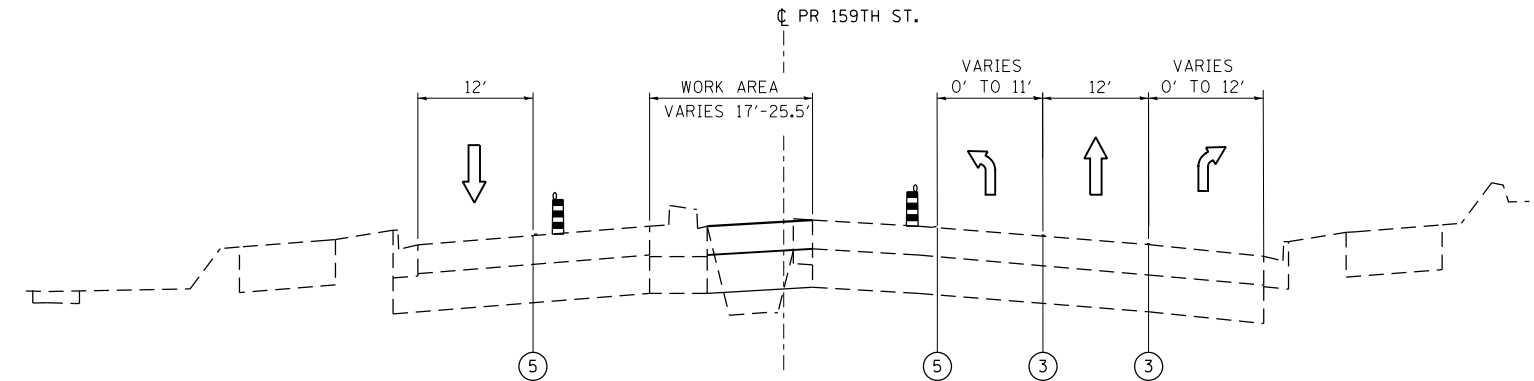
FILE NAME = D160L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC 159TH STREET TYPICAL SECTIONS STAGE 2			F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 99
	PLOT SCALE = 1:1100	CHECKED - MGZ	REVISED -					CONTRACT NO. 60L72				
MODELNAME	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -	SCALE: N.T.S. SHEET 5 OF 6 SHEETS STA. - TO STA. -			ILLINOIS FED. AID PROJECT					



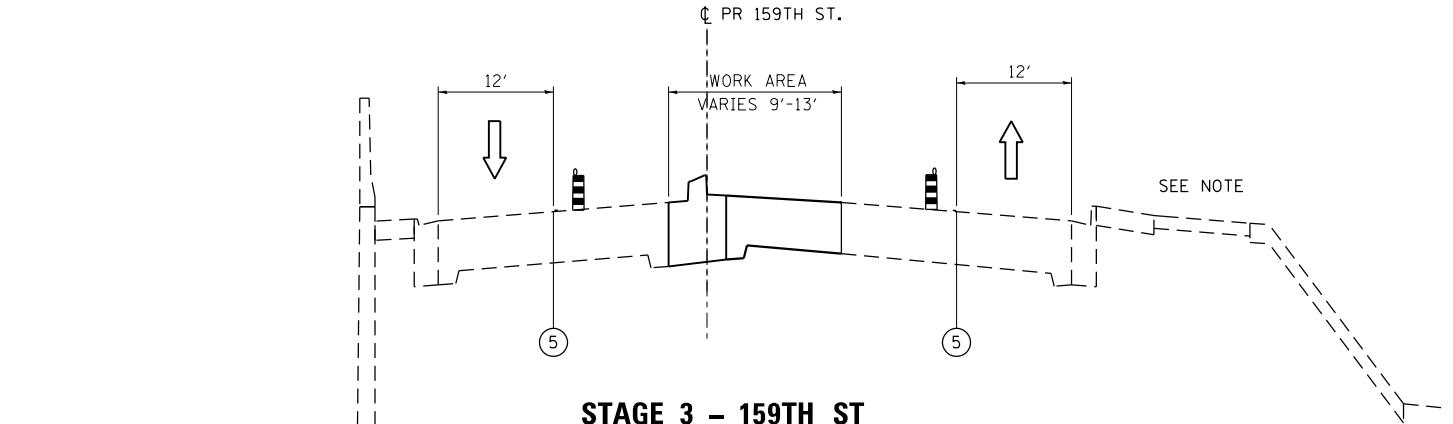
STAGE 3 - 159TH ST
 STA. 281+00 TO STA. 314+44.0
 STA. 333+91.8 TO 343+57.0
 STA. 361+01.0 TO 381+63.3
 STA. 407+61.1 TO 411+75.0



STAGE 3 - 159TH ST
 STA. 319+00.0 TO 322+98.6
 STA. 328+93.4 TO 333+91.8
 STA. 355+22.9 TO 361+01.0
 STA. 381+63.3 TO 381+44.1



STAGE 3 - 159TH ST
 STA. 314+44.0 TO 319+00.0
 STA. 322+98.6 TO 328+93.4
 STA. 343+57.0 TO 355+22.9
 STA. 411+75.0 TO 415+06.5



STAGE 3 - 159TH ST
 STA. 381+44.1 TO 407+61.1

LEGEND

- ① WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (WHITE)
- ② TEMPORARY PAVEMENT
- ③ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (DOUBLE YELLOW)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH (YELLOW)
- ⑥ DRUM WITH STEADY BURNING LIGHT
- ⑦ TEMPORARY CONCRETE BARRIER
- ⑧ VERTICAL PANEL
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (6")
- ⑩ TEMPORARY EROSION CONTROL SEEDING
- ⑪ TRAFFIC DIRECTION
- ⑫ SEEDING, CLASS 2A
- ⑬ SODDING, SALT TOLERANT

NOTE:

MULTI-USE PATH ADJACENT TO LAND BRIDGES TO BE CONSTRUCTED IN STAGE 3. PROVIDE ADDITIONAL EMBANKMENT SUBSEQUENT TO STAGE 1 TO ATTAIN PATH PROFILE GRADE AS NEEDED.

FILE NAME = D160L72-sht-typical-MOT.dgn	USER NAME = rdonley	DESIGNED - RVM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC 159TH STREET TYPICAL SECTIONS STAGE 3	F.A.P. RTE. = 351	SECTION = 2010-081-R	COUNTY = COOK	TOTAL SHEETS = 1045	SHEET NO. = 100
	PLOT SCALE = 1:100	CHECKED - MGZ	REVISED -			SCALE: N.T.S.	SHEET 6 OF 6 SHEETS	STA. - TO STA. -	CONTRACT NO. 60L72	
MODELNAME	PLOT DATE = 10/22/2014	DATE = 10/28/14	REVISED -							