

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF LINDENHURST AND LAKE VILLA TOWNSHIP

TRAFFIC DATA

ADT:

- IL RTE. 132 MUNN ROAD TO HAWTHORNE ROAD=20,900 (2010) 30,000 (2040)
- IL RTE. 132, HAWTHORNE ROAD TO GRANADA/LINDENHURST=18,700 (2010) 27,000 (2040)
- IL RTE. 132, GRANADA/LINDENHURST TO SAND LAKE ROAD=20,700 (2010) 29,000 (2040)
- IL RTE. 132, SOUTHEAST OF SAND LAKE ROAD=15,500 (2010) 22,000 (2040)
- GRANADA BOULEVARD=5,000 (2008) 6000 (2040)
- LINDENHURST DRIVE=1,300 (2008) 11,000 (2040)
- SAND LAKE ROAD=7,700 (2008) 11,000 (2040)

DESIGN SPEED:

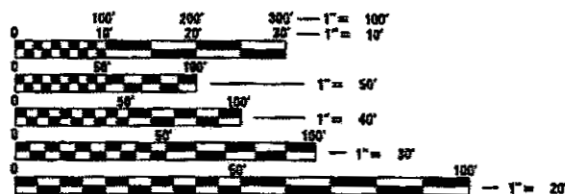
- IL RTE. 132 WEST OF DOUGLAS LANE=50 MPH
- IL RTE. 132 DOUGLAS LANE TO GRANADA/LINDENHURST=45 MPH
- IL RTE. 132 GRANADA/LINDENHURST TO HILLCREST LANE=40 MPH
- IL RTE. 132 SOUTHEAST OF HILLCREST LANE=45 MPH
- GRANADA BOULEVARD=35 MPH
- LINDENHURST DRIVE=20 MPH
- SAND LAKE ROAD=35 MPH

POSTED SPEED LIMIT:

- IL RTE. 132 WEST OF DOUGLAS LANE=45 MPH
- IL RTE. 132 DOUGLAS LANE TO GRANADA/LINDENHURST=40 MPH
- IL RTE. 132 GRANADA/LINDENHURST TO HILLCREST LANE=35 MPH
- IL RTE. 132 SOUTHEAST OF HILLCREST LANE=40 MPH
- GRANADA BOULEVARD=30 MPH
- LINDENHURST DRIVE=20 MPH
- SAND LAKE ROAD=30 MPH

DESIGN DESIGNATION:

- IL RTE. 132 2190 (40) OTHER PRINCIPAL ARTERIAL (FD-20)
- GRANADA BOULEVARD 540 (40) COLLECTOR (FD-20)
- LINDENHURST DRIVE 180 (40) COLLECTOR
- SAND LAKE ROAD 755 (40) OTHER PRINCIPAL ARTERIAL (FD-20)



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

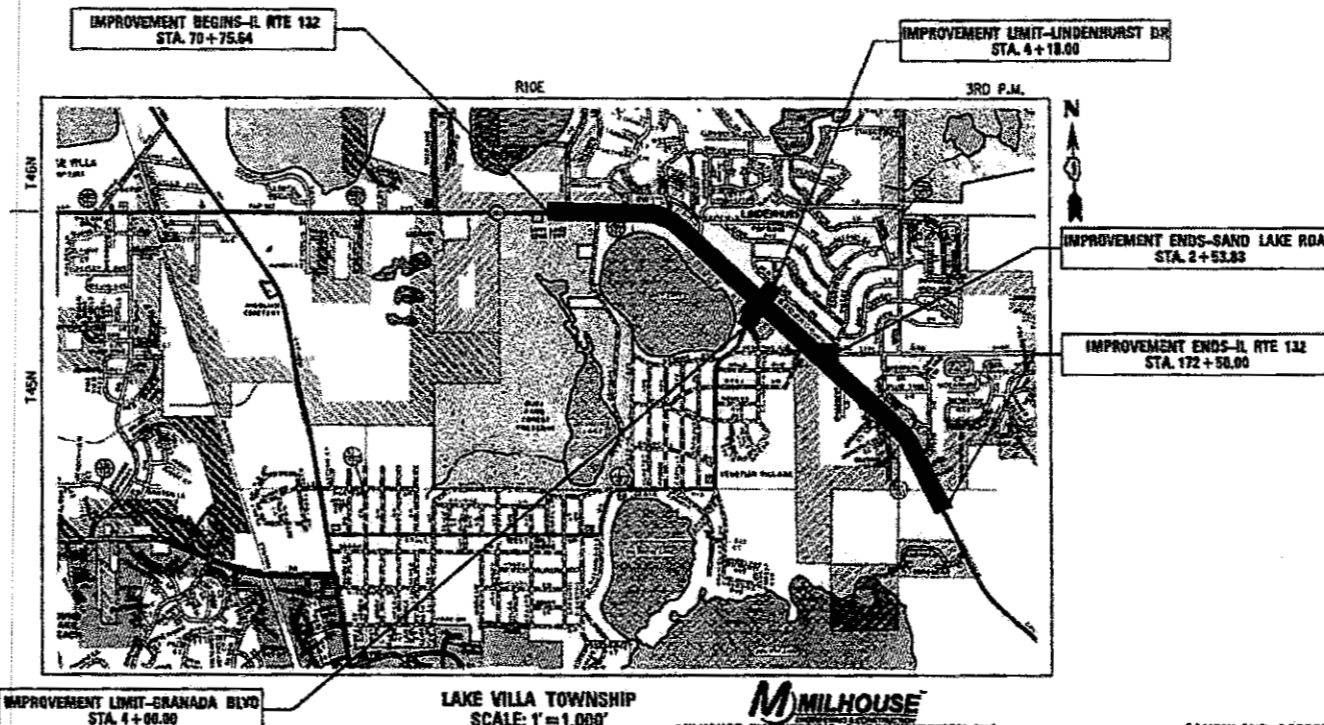
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER: MATTHEW ROTHENBERG (847) 705-4230
PROJECT ENGINEER: ALIX BRICE (847) 705-4552
CONTRACT NO. 60V55

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 541 (IL RTE. 132) (GRAND AVENUE)
SECTION NO.: A-WRS-2
FROM MUNN ROAD TO DEERPATH DRIVE
FEDERAL PROJECT NO.: NHPP-HSIP-GMWH(690)
WIDENING AND RESURFACING,
TRAFFIC SIGNAL MODERNIZATION, PEDESTRIAN RAMPS
LAKE COUNTY
C-91-004-13



LAKE VILLA TOWNSHIP
SCALE: 1"=1,000'
GROSS & NET LENGTH OF PROJECT = 10,174 FT. = 1.93 MILES

MILHOUSE
MILHOUSE ENGINEERING & CONSTRUCTION, INC.
STRUCTURAL AND CIVIL ENGINEERS
60 E. VAN BUREN STREET, SUITE 1501
CHICAGO, IL 60605
(312) 897-0081

GANDHI
GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
8035 N. NORTHWEST HIGHWAY, SUITE 306
CHICAGO, IL 60631
(773) 774-6810

JAMES J. BENES & ASSOCIATES
CONSULTING ENGINEERS
850 WARRENVILLE ROAD, SUITE 101
LESLIE, IL 60532
(830) 718-7575

Professional Engineer Seals:
- STANLEY C. KADZIEK (Structural Engineering)
- P. S. GANDHI (Professional Engineer)
- JAMES J. BENES (Professional Engineer)

Signatures and Dates:
- Signature: [Handwritten] DATE: 1-23-2018
- Signature: [Handwritten] DATE: 1-23-2018
- Signature: [Handwritten] DATE: 11/23/2010

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	1
		ILLINOIS	CONTRACT NO. 60V55	

* 345 + 9 = 354 TOTAL SHEETS



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED JANUARY 24 2018

Anthony J. Quinley / CAB
REGIONAL ENGINEER

May H. [Handwritten]
ENGINEER OF DESIGN AND ENVIRONMENT

May D. [Handwritten]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET	000001-06
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES	280001-07
3 - 20	SUMMARY OF QUANTITIES	424001-10
21 - 22	EXISTING TYPICAL SECTIONS	424006-03
23 - 27	PROPOSED TYPICAL SECTIONS	424011-03
28 - 32	SCHEDULES OF QUANTITIES	424016-04
33	ALIGNMENT, CURVE DATA AND BENCH MARKS	424026-02
34	CONTROL POINTS AND TIES	442201-03
35 - 39	REMOVAL PLANS	482001-02
40 - 49	PLAN AND PROFILE	542301-03
50 - 58	GEOTECHNICAL PLAN AND PROFILES	542606-02
59 - 84	SUGGESTED STAGES OF CONSTRUCTION/MAINTENANCE OF TRAFFIC	601001-05
85 - 109	EROSION CONTROL AND SEDIMENT CONTROL PLAN	602001-02
110 - 122	DRAINAGE AND UTILITY PLANS AND STRUCTURE TABLES	602301-04
122A - 122E	WATER MAIN & SANITARY SEWER PLANS AND DETAILS	602401-04
123 - 125	RETENTION BASIN PLANS	602406-08
126 - 134	SUE UTILITY PLANS	602411-06
135 - 173	RIGHT-OF-WAY SHEETS	602421-06
174 - 175	INTERSECTION GRADING PLANS	602601-05
176 - 186	ADA CURB RAMP LAYOUT DETAILS	602701-02
187 - 192	PAVEMENT MARKING AND SIGNAGE PLANS	604001-04
193 - 197	LANDSCAPE PLANS	604006-05
198 - 239D	PROPOSED TRAFFIC SIGNAL PLANS AND DETAILS	604036-03
240 - 271	RETAINING WALL PLANS	604086-03
272	CONSTRUCTION DETAILS	604091-03
273 - 290	DISTRICT DETAILS	606001-07
291 - 340	CROSS SECTIONS - IL RTE 132	606006-04
341 - 343	CROSS SECTIONS - GRANADA BOULEVARD	606301-04
344 - 345	CROSS SECTIONS - LINDENHURST DRIVE	606306-04

COMMITMENTS:

- THE ILLINOIS NATURE PRESERVE COMMISSION (INPC) SHALL BE CONTACTED AND PROVIDED THE OPPORTUNITY TO REVIEW CONSTRUCTION ACTIVITIES. CONTACT VANESSA RUIZ AT (847) 705-4627.
- NO INTRUSION SHALL BE PERMITTED IN THE FOURTH LAKE FEN NATURE PRESERVE.
- THE RESIDENT ENGINEER SHALL COORDINATE THE DRIVEWAY CONSTRUCTION AT 1807 GRAND AVENUE WITH THE PROPERTY OWNER.

LIST OF DISTRICT ONE DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB/EDGE OF SHOULDER >= 15' (4.5 m)	880006-01
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE < 15' (4.5 m)	886001-01
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER	
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING	
BD-12	MANHOLE WITH RESTRICTOR PLATE	
BD-22	DETAILS FOR PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	
BD-32	BUTT JOINT AND HMA TAPER DETAILS	
BD-36	FIRE HYDRANT TO BE MOVED	
BD-51	BENCHING DETAIL	
BM-20	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
TC-11	TYPICAL APPLICATIONS RAISED RELECTIVE 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-22	ARTERIAL ROAD INFORMATION SIGN	
TC-26	DRIVEWAY ENTRANCE SIGNING	

LIST OF STATE STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	000001-06
TEMPORARY EROSION CONTROL SYSTEMS	280001-07
PERPENDICULAR CURB RAMPS FOR SIDEWALKS	424001-10
DIAGONAL CURB RAMPS FOR SIDEWALKS	424006-03
CORNER PARALLEL CURB RAMPS FOR SIDEWALK	424011-03
MTD-BLOCK CURB RAMPS FOR SIDEWALKS	424016-04
ENTRANCE/ALLEY PEDESTRIAN CROSSINGS	424026-02
CLASS C AND D PATCHES	442201-03
HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT	482001-02
PRECAST REINFORCED CONCRETE FLARED END SECTION	542301-03
REINFORCED CONCRETE PIPE TEE	542606-02
PIPE UNDERDRAINS	601001-05
CATCH BASIN, TYPE A	602001-02
INLET, TYPE A	602301-04
MANHOLE, TYPE A	602401-04
MANHOLE, TYPE A, 6' (1.8m) DIAMETER	602406-08
MANHOLE, TYPE A, 7' (2.1m) DIAMETER	602411-06
MANHOLE, TYPE A, 9' (2.7m) DIAMETER	602421-06
PRECAST REINFORCED CONCRETE FLAT SLAB TOP	602601-05
MANHOLE STEPS	602701-02
FRAME AND LIDS TYPE 1	604001-04
FRAME AND GRATE TYPE 3	604006-05
GRATE TYPE B	604036-03
FRAME AND GRATE TYPE 23	604086-03
FRAME AND GRATE TYPE 24	604091-03
CONCRETE CURB TYPE B AND	606001-07
COMBINATION CONCRETE CURB AND GUTTER	
OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24	
PC CONCRETE ISLANDS AND MEDIANS	
CORRUGATED PC CONCRETE MEDIAN	
OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY	
OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE	
LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	701301-04
LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY	701311-03
LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH	701426-09
LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 40 MPH	701427-05
URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	701501-06
URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE	701502-08
URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN	701601-09
URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	701606-10
URBAN LANE CLOSURE, MULTILANE INTERSECTION	701701-10
LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE	701801-06
TRAFFIC CONTROL DEVICES	701901-07
SIGN PANEL MOUNTING DETAILS	720001-01
SIGN PANEL ERECTION DETAILS	720006-04
METAL POSTS FOR SIGNS, MARKERS & DELINEATORS	720011-01
APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)	729001-01
TYPICAL PAVEMENT MARKINGS	780001-05
ELECTRIC SERVICE INSTALLATION DETAILS	805001-01
CONCRETE HANDHOLES	814001-03
DOUBLE HANDHOLES	814006-02
STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES	857001-01
UNINTERRUPTABLE POWER SUPPLY (UPS)	862001-01
TRAFFIC SIGNAL GROUNDING AND BONDING	873001-02
STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'	877001-07
CONCRETE FOUNDATION DETAILS	878001-10
SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION	880001-01
TRAFFIC SIGNAL MOUNTING DETAILS	
DETECTOR LOOP INSTALLATIONS	

GENERAL NOTES

- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND THE VILLAGE OF LINDENHURST.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE AFFECTS TO THE VISIBILITY OF THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- TEN (10) FOOT LONG TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER, SHOULDER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN, UNLESS OTHERWISE SHOWN ON THE PLANS. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- ALL STORM SEWER CONNECTIONS TO EXISTING PIPES 27 INCHES DIAMETER AND SMALLER, WHERE NO MANHOLE IS PRESENT SHALL BE MADE WITH PRECAST "TEE" OR "WYE" SECTIONS INSERTED INTO THE EXISTING STORM SEWER AND SECURED WITH CONCRETE COLLARS, AS SHOWN ON CONSTRUCTION DETAIL SHEET BD-7. ALL STORM SEWER CONNECTIONS TO EXISTING PIPES LARGER THAN 27 INCHES DIAMETER, WHERE NO MANHOLE IS PRESENT, SHALL BE MADE BY CORING A HOLE IN THE EXISTING STORM SEWER AND SECURING THE LATERAL PIPE WITH A CONCRETE COLLAR, AS SHOWN ON CONSTRUCTION DETAIL SHEET BD-7. ALL STORM SEWER CONNECTIONS TO PROPOSED PIPES, WHERE NO MANHOLE IS PRESENT, SHALL BE MADE WITH PRECAST "TEE" OR "WYE" SECTIONS INSTALLED IN-LINE WITH THE PROPOSED STORM SEWER. PRECAST TEE AND WYE FITTINGS SHALL BE PAID FOR SEPARATELY AND THE IN-LINE LENGTH OF THE FITTING SHALL BE SUBTRACTED FROM THE LENGTH OF THE STORM SEWERS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- ON STATE STANDARD 482001 AGGREGATE SUBGRADE OF THE THICKNESS SPECIFIED SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE REQUIRED UNDER THE SHOULDER, AND UNDER THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE INCLUDED IN THE COST PER SQUARE YARD OF "AGGREGATE SUBGRADE IMPROVEMENT 12".
- STATIONING FOR ALL DRAINAGE STRUCTURES IS GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE. OFFSETS FOR CURB LINE INLETS AND CATCH BASINS ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL CURB LINE DRAINAGE STRUCTURES ARE PROPERLY ALIGNED WITH THE PROPOSED CURB AND GUTTER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS, AND CAUSED BY THE CONTRACTOR'S NEGLIGENCE, SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS-RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE PERFORMED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- THIS PROJECT SHALL COMPLY WITH N.P.D.E.S. REGULATIONS. SEE EROSION AND SEDIMENT CONTROL PLAN FOR PROJECT SPECIFICATIONS.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION I.I.G.1 AND 2. OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE EROSION CONTROL ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- "WETLANDS NO INTRUSION" SIGNS WILL BE PROVIDED BY IDOT AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR WILL NEED TO CONTACT MELISSA DEL ROSARIO AT (847)-705-4391 TO OBTAIN THE SIGNS AND COORDINATE PLACEMENT OF THE SIGNS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY FENCE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS AND STATE STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - TLA	REVISED -		541	A-WRS-2	LAKE	345	2			
		CHECKED - BLG	REVISED -		CONTRACT NO. 60V55							
		DATE - 1/29/2018	REVISED -		SCALE: N/A	SHEET NO. OF SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES												
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.	
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY LAKE VILLA FPD 0021	100%	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	2,756	2,714										42		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1,434	1,434												
20101000	TEMPORARY FENCE	FOOT	4,100	4,100												
* 20101200	TREE ROOT PRUNING	EACH	138	138												
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	90	90												
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	48	48												
* 20101700	SUPPLEMENTAL WATERING	UNIT	279	237											42	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	30,308	30,048									61	199		
20400800	FURNISHED EXCAVATION	CU YD	6,152	6,148									4			
20800150	TRENCH BACKFILL	CU YD	7,173	6,222											951	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,021	3,021												
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	46,880	45,329									406	1,145		
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	3,292	3,292												
* 25000210	SEEDING, CLASS 2A	ACRE	8.4	8.1									0.1	0.2		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	756	726									8	22		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	756	726									8	22		
* 25100115	MULCH, METHOD 2	ACRE	10.4	10.1									0.1	0.2		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,037	1,005									8	24		
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30												

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES												
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.	
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028	
28000400	PERIMETER EROSION BARRIER	FOOT	10,284	9,484									441	359		
28000500	INLET AND PIPE PROTECTION	EACH	7	7												
28000510	INLET FILTERS	EACH	335	335												
28100705	STONE DUMPED RIPRAP, CLASS A3	SO YD	118	118												
28100707	STONE DUMPED RIPRAP, CLASS A4	SO YD	93	93												
28200200	FILTER FABRIC	SO YD	211	211												
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	294	294												
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	32,271	32,271												
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	554	554												
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	8,905	527							7,075		398	483		422
35300205	PORTLAND CEMENT CONCRETE BASE COURSE 7 1/4"	SO YD	599	599												
35501301	HOT-MIX ASPHALT BASE COURSE, 4 1/4"	SO YD	371	371												
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	2,805	2,805												
35501313	HOT-MIX ASPHALT BASE COURSE, 7 1/4"	SO YD	17,754	17,754												
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	4,183	3,700										483		
35600705	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4"	SO YD	514	514												
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	40,941	40,941												
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	50												
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5,676	5,676												

FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 4
#FILEL#	PLOT SCALE = #SCALE#	DRAWN - TLA	REVISED -		SCALE: N/A	SHEET NO. OF	SHEETS	STA. TO STA.	CONTRACT NO. 60V55				
	PLOT DATE = #DATE#	CHECKED - BLG	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - 1/29/2018	REVISED -										

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES														
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.			
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.6% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	234	234														
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	221	221														
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	5,986	5,986														
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,660	722						792			45	54				47
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	8,085	8,085														
42001300	PROTECTIVE COAT	SQ YD	17,696	17,696														
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	53,006									52,330	176	500				
42400800	DETECTABLE WARNINGS	SQ FT	1,089									1,038	51					
44000100	PAVEMENT REMOVAL	SQ YD	8,406	8,406														
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	53,089	53,089														
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	11,589	11,589														
44000300	CURB REMOVAL	FOOT	1,947	1,947														
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	22,866	22,831									35					
44000600	SIDEWALK REMOVAL	SQ FT	3,600	3,600														
44004250	PAVED SHOULDER REMOVAL	SQ YD	707	707														
44201785	CLASS D PATCHES, TYPE I, 12' INCH	SQ YD	599	599														
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	898	898														
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	898	898														
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	599	599														

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES														
				ROADWAY		TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.		
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028			
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	651	651														
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	976	976														
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	976	976														
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	651	651														
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	307	307														
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	521	521														
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2														
50200100	STRUCTURE EXCAVATION	CU YD	541	541														
50300225	CONCRETE STRUCTURES	CU YD	230.3	230.3														
50300285	FORM LINER TEXTURED SURFACE	SQ FT	1,047	1,047														
50500505	STUD SHEAR CONNECTORS	EACH	44	44														
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	27,100	27,100														
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,880	2,880														
52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	205	205														
52200150	DRIVING SOLDIER PILES	FOOT	205	205														
52200250	UNTREATED TIMBER LAGGING	SQ FT	208	208														
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1														
54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	83	83														
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3														

19

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES														
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.			
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2														
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	3														
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	11	11														
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1														
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1														
54216185	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER	EACH	10	10														
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH	2	2														
54216197	REINFORCED CONCRETE PIPE TEE, 21" PIPE WITH 12" RISER	EACH	2	2														
54216200	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 12" RISER	EACH	5	5														
54216210	REINFORCED CONCRETE PIPE TEE, 30" PIPE WITH 12" RISER	EACH	5	5														
54216220	REINFORCED CONCRETE PIPE TEE, 36" PIPE WITH 12" RISER	EACH	8	8														
54216231	REINFORCED CONCRETE PIPE TEE, 42" PIPE WITH 12" RISER	EACH	23	23														
54248510	CONCRETE COLLAR	CU YD	4	4														
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	2,409	2,409														
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	187	187														
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	140	140														
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	200	200														
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	350	350														
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	376	376														

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES														
				ROADWAY		TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.		
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	3,132	3,132														
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	636	636														
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	263	263														
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	599	599														
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	749	749														
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	675	675														
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	2,367	2,367														
550A4710	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	61	61														
55100100	STORM SEWER REMOVAL 4"	FOOT	23	23														
55100300	STORM SEWER REMOVAL 8"	FOOT	48	48														
55100500	STORM SEWER REMOVAL 12"	FOOT	3,103	3,103														
55100700	STORM SEWER REMOVAL 15"	FOOT	1,031	959													72	
55100900	STORM SEWER REMOVAL 18"	FOOT	924	924														
55101200	STORM SEWER REMOVAL 24"	FOOT	519	519														
55101300	STORM SEWER REMOVAL 27"	FOOT	124	124														
55101400	STORM SEWER REMOVAL 30"	FOOT	164	164														
56106400	ADJUSTING WATER MAIN 8"	FOOT	50														50	
56106600	ADJUSTING WATER MAIN 12"	FOOT	248														248	
56400100	FIRE HYDRANTS TO BE MOVED	EACH	16														1	15

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES														
				URBAN			ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.6% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028			
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	5												5			
56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	25												25			
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	98												98			
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	103	103														
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1														
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	995	995														
60200305	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 3 FRAME AND GRATE	EACH	6	6														
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	34	34														
60201330	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 23 FRAME AND GRATE	EACH	34	34														
60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	143	143														
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	19	19														
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	17														
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16	16														
60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4														
60224469	MANHOLES, TYPE A, 9' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3														
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2														
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	16	16														
60250200	CATCH BASINS TO BE ADJUSTED	EACH	10	10														
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1														

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028
60255500	MANHOLES TO BE ADJUSTED	EACH	34	34											
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	7	7											
60260100	INLETS TO BE ADJUSTED	EACH	9	9											
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	22											22	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4											4	
60404940	FRAMES AND GRATES, TYPE 23	EACH	5	5											
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	7	7											
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	59	59											
60500040	REMOVING MANHOLES	EACH	18	18											
60500050	REMOVING CATCH BASINS	EACH	32	31										1	
60500060	REMOVING INLETS	EACH	73	73											
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	1	1											
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1	1											
60500305	FILLING INLETS	EACH	7	7											
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	13	13											
60600605	CONCRETE CURB, TYPE B	FOOT	2,768	2,768											
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	523	523											
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	8,025	8,025											
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	21,591	21,482								35	74		

FILE NAME = #FILEL#

USER NAME = #USER#
DESIGNED - BLG
DRAWN - TLA
CHECKED - BLG
DATE - 1/29/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 541 SECTION A-WRS-2 COUNTY LAKE TOTAL SHEETS 345 SHEET NO. 10 CONTRACT NO. 60V55 ILLINOIS FED. AID PROJECT

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	13,079	13,079											
60624600	CORRUGATED MEDIAN	SO FT	2,210	2,210											
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	12,605	12,605											
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1											
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	14	14											
67100100	MOBILIZATION	L SUM	1	1											
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13,600	13,600											
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	3,458	3,458											
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	123,755	123,755											
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7,029	7,029											
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,735	1,735											
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,637	1,637											
70300904	PAVEMENT MARKING TAPE, TYPE IV . 4"	FOOT	2,468	2,468											
70300906	PAVEMENT MARKING TAPE, TYPE IV . 6"	FOOT	33	33											
* 72000100	SIGN PANEL - TYPE 1	SO FT	637	637											
* 72000200	SIGN PANEL - TYPE 2	SO FT	12.5				12.5								
* 72900200	METAL POST - TYPE B	FOOT	1,130	1,130											
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1,372	1,335									37		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,507	14,461									46		

FILE NAME = \$FILE\$

USER NAME = \$USER\$

DESIGNED - BLG

REVISED -

DRAWN - TLA

REVISED -

PLOT SCALE = \$SCALE\$

CHECKED - BLG

REVISED -

PLOT DATE = \$DATE\$

DATE - 1/29/2018

REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 541

SECTION A-WRS-2

COUNTY LAKE

TOTAL SHEETS 345

SHEET NO. 11

CONTRACT NO. 60V55

ILLINOIS FED. AID PROJECT

REV

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES											
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	915	915											
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7,055	7,032									23		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	106	106											
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,292	1,292											
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	518	490									28		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	581	581											
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	764	764											
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	581	581											
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	9,359		883	833	744			6,899					
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	241		48	53	140								
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	301		91	68	142								
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,073		302	525	246								
* 81400100	HANDHOLE	EACH	26		8	5	5			8					
* 81400200	HEAVY-DUTY HANDHOLE	EACH	11		4	4	3								
* 81400300	DOUBLE HANDHOLE	EACH	4		1	2	1								
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2							2					
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	10,514							10,514					
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4,105		1,059	2,227	819								
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,450		680	1,851	919								

FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - TLA	REVISED -		541	A-WRS-2	LAKE	345	12				
PLOT SCALE = #SCALE#		CHECKED - BLG	REVISED -		SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60V55				
PLOT DATE = #DATE#		DATE - 1/29/2018	REVISED -		ILLINOIS FED. AID PROJECT								

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES													
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.		
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,678		1,032	1,124	1,522										
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	4,523		1,378	2,140	1,005										
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6,647		2,528	2,022	2,097										
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	456		227	137	92										
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,420		843	775	802										
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	68		24	20	24										
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12		4	4	4										
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20			20											
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	87		46	28	13										
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21				21										
* 87900200	DRILL EXISTING HANDHOLE	EACH	2						2								
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	15		6	5	4										
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3				3										
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	13		4	5	4										
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	11		4	5	2										
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14		2	8	4										
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	26		10	10	6										
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	27		10	9	8										
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2,416		744	1,135	537										

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS □ - 100% STATE

⊗ - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES											
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028
* 88700090	CONFIRMATION BEACON	EACH	1					1							
* 88700200	LIGHT DETECTOR	EACH	6					6							
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	3					3							
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	14		2	8	4								
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3		1	1	1								
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,998						4,998						
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		1	1	1								
* 89502380	REMOVE EXISTING HANDHOLE	EACH	27		7	7	4		9						
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	3		1	1	1								
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	24		9	9	6								
□ Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	159	159											
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	278	278											
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1											
Z0022800	FENCE REMOVAL	FOOT	2,645	2,433									212		
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	328	328											
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3						3						
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	158	158											
* Z0054400	ROCK FILL	CU YD	31	31											
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	1,114	1,114											

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES												
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.	
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028	
Z0056700	SANITARY SEWER 4"	FOOT	4												4	
Z0056900	SANITARY SEWER 8"	FOOT	164												164	
Z0062456	TEMPORARY PAVEMENT	SQ YD	554	554												
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3			1	1	1								
Ø Z0076600	TRAINEES	HOUR	1000	1000												
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000												
* A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	9												9	
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3												
* A2005116	TREE, JUGLANS NIGRA (BLACK WALNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5												
* A2005620	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	18												18	
* A2006270	TREE, POPULUS TREMULOIDES (QUAKING ASPEN), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	25												25	
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5												
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8												
* A2006816	TREE, QUERCUS MUEHLBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5												
* A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3												3	
* A2018720	TREE, ULMUS CARPINIFOLIA MORTON, (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4												4	
* B2000767	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	20												20	
* B2004170	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	17												17	
* B2006168	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	11												11	

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES												
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.	
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028	
* B2006368	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	9												9	
* C2000424	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	12												12	
* C2007010	SHRUB, ROSA RADRAZZ (KNOCKOUT ROSE), CONTAINER GROWN, 3-GALLON	EACH	31												31	
* C2C09818	SHRUB, SPIREA X BUMALDA ANTHONY WATERER (ANTHONY WATERER SPIREA), 18" HEIGHT, CONTAINER	EACH	32												32	
* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	13.3												13.3	
* K0013060	PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	9.1	9.1												
* K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	11	11												
* K1005428	SEEDING, SEDGE MEADOW MIX	ACRE	0.3	0.3												
X0322924	RETAINING WALL REMOVAL	SQ FT	90	90												
X0323260	SEDIMENT BASIN	EACH	2	2												
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	775					775								
X0325034	MANHOLES, TYPE A, 6' -DIAMETER, WITH 2 TYPE 1 FRAME, OPEN LIDS, RESTRICTOR PLATE	EACH	5	5												
* X0325130	TUBULAR TRAFFIC SIGN POST	EACH	28	28												
* X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	2,137	2,137												
X0327203	CASING PIPE, OPEN CUT, 24" STEEL	FOOT	148												148	
* X0327211	RELOCATE SWITCH	EACH	6		2	2	2									
X0327301	RELOCATE EXISTING MAILBOX	EACH	123	123												
* X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	10												10	
* X0327802	PLANTING SOIL MIX FURNISH AND PLACE, 12"	SQ YD	868												868	

FILE NAME = #FILE#

USER NAME = #USER#

DESIGNED - BLG

REVISED -

DRAWN - TLA

REVISED -

PLOT SCALE = #SCALE#

CHECKED - BLG

REVISED -

PLOT DATE = #DATE#

DATE - 1/29/2018

REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 16
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

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

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS □ - 100% STATE
Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES														
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.			
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028			
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	12,393	12,393														
X0840000	SANITARY SEWER REMOVAL - 8"	FOOT	179														179	
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	3		1	1	1											
* X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	570						570									
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	3		1	1	1											
* X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	1.2	1.2														
* X2511630	EROSION CONTROL BLANKET (SPECIAL)	SO YD	50,172	50,172														
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	70	70														
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	53	53														
□ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1,943	1,943														
□ X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	1,199	1,199														
□ X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	64	64														
□ X5538100	STORM SEWERS TO BE CLEANED 21"	FOOT	779	779														
□ X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	865	865														
□ X5538300	STORM SEWERS TO BE CLEANED 27"	FOOT	172	172														
□ X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	1,742	1,742														
□ X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	1,110	1,110														
X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	2														2	
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	121	121														

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES													
				URBAN		ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.3% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028		
X6022810	MANHOLES, SANITARY, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4												4		
X6023242	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE, SPECIAL	EACH	5	5													
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	13												13		
X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	11												11		
X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1												1		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	22												22		
X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT	411	411													
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	12	12													
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1													
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	730	730													
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	53,234	53,234													
X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	218	218													
X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2,950	2,950													
X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	915	915													
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	876	876													
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	106	106													
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	536	536													
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	70	70													
X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	1	1													

FILE NAME =

USER NAME = #USER#

DESIGNED - BLG

REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 541 SECTION A-WRS-2 COUNTY LAKE TOTAL SHEETS 345 SHEET NO. 18 CONTRACT NO. 60V55

ILLINOIS FED. AID PROJECT

HSIP

NHPP

* - DENOTES SPECIALTY ITEMS

Ø - 0042 COST CODE

SUMMARY OF QUANTITIES

URBAN

CONSTRUCTION TYPE CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.
				90% FED 10% STATE 0004	90% FED 5% STATE 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 2.5% LAKE COUNTY 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028	
* X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	3		1	1	1								
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	10,618						10,618						
* X8730571	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	231			123	108								
* X8730800	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	231			123	108								
* X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2		1		1								
* X8770141	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. (SPECIAL)	EACH	1			1									
* X8770156	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. (SPECIAL)	EACH	1				1								
* X8771170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT. (SPECIAL)	EACH	2			2									
* X8771210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT. (SPECIAL)	EACH	1		1										
* X8771220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. (SPECIAL)	EACH	2		2										
* X8771240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT. (SPECIAL)	EACH	1		1										
X1200198	SANITARY SEWERS, PVC, 8"	FOOT	397											397	
* X1900008	SEEDING WET PRAIRIE	ACRE	0.3	0.3											
* X1400319	TRAFFIC SIGNAL POST, 10 FOOT. (SPECIAL)	EACH	1				1								
* X1400320	TRAFFIC SIGNAL POST, 16 FOOT. (SPECIAL)	EACH	12		4	4	4								
* X1400321	TRAFFIC SIGNAL POST, 18 FOOT. (SPECIAL)	EACH	1				1								
* X1900009	SEEDING, MESIC PRAIRIE	ACRE	0.3	0.3											
X1400322	RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	4			2	2								
X1400323	RELOCATE EXISTING ENCODER	EACH	4			2	2								

FILE NAME =
#FILE#

USER NAME = #USER#

PLOT SCALE = #SCALE#

PLOT DATE = #DATE#

DESIGNED - BLG

DRAWN - TLA

CHECKED - BLG

DATE - 1/29/2018

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 541 SECTION A-WRS-2 COUNTY LAKE TOTAL SHEETS 345 SHEET NO. 19 CONTRACT NO. 60V55 ILLINOIS FED. AID PROJECT

* - DENOTES SPECIALTY ITEMS

0042 COST CODE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES															
				ROADWAY	TRAFFIC SIGNALS IL ROUTE 132 @ MUNN ROAD	TRAFFIC SIGNALS IL ROUTE 132 @ GRANADA BLVD.	TRAFFIC SIGNALS IL ROUTE 132 @ SAND LAKE ROAD	IL ROUTE 132 PRE-EMPTION EQUIPMENT	TRAFFIC SIGNAL INTERCONNECT	SHARED USE PATH FROM DOUGLAS LN. TO GRAND CIR.	SIDEWALK FROM MUNN RD. TO GRAND CIR.	SHARED USE PATH EAST OF GRAND CIR.	DUCK FARM FOREST PRESERVE ENTRANCE	UTILITIES	SHARED USE PATH FROM MUNN RD. TO DOUGLAS LN.				
				90% FED 10% STATE 0004	90% FED 5% STATE 2.5% LINDENHURST 5% LINDENHURST 0021	90% FED 5% STATE 2.5% LINDENHURST 5% LINDENHURST 0021	90% FED 6.67% STATE 3.33% LAKE COUNTY 0021	100% LAKE VILLA FPD 0021	80% FED 20% STATE 0021	80% FED 20% LINDENHURST 0028	80% FED 20% LINDENHURST 0021	80% FED 20% LCFPD 0028	100% LCFPD 0004	100% LINDENHURST 0043	100% STATE 0028				
X1200199	CASING PIPE, OPEN CUT, 20" STEEL	FOOT	36														36		
* X1400324	STEEL MAST ARM ASSEMBLY AND POLE (SPECIAL) 48 FT.	EACH	1				1												
* X1400325	STEEL MAST ARM ASSEMBLY AND POLE (SPECIAL) 50 FT.	EACH	1			1													
* X1400335	WIRELESS TRANSMISSION SYSTEM POINT TO POINT	EACH	5						5										
X0300007	HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/4"	SO YD	157	157															

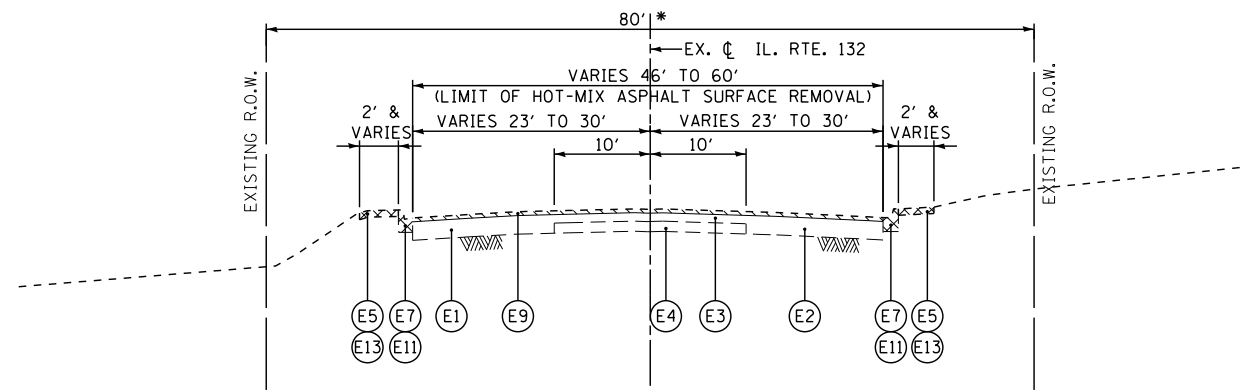
URBAN

5

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

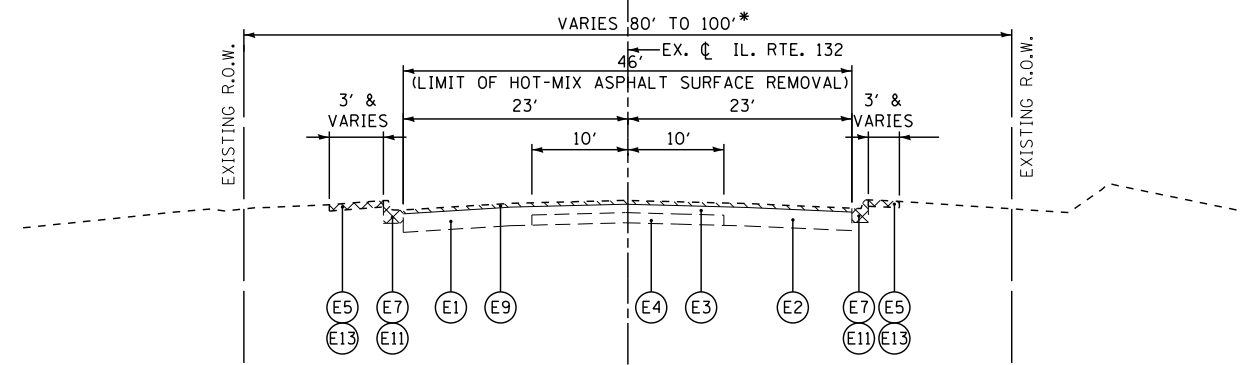
SUMMARY OF QUANTITIES

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	SCALE: N/A	SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT					
*FILE#		DRAWN -	REVISED -				F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 20
		CHECKED -	REVISED -				CONTRACT NO. 60V55				
		DATE -	REVISED -								



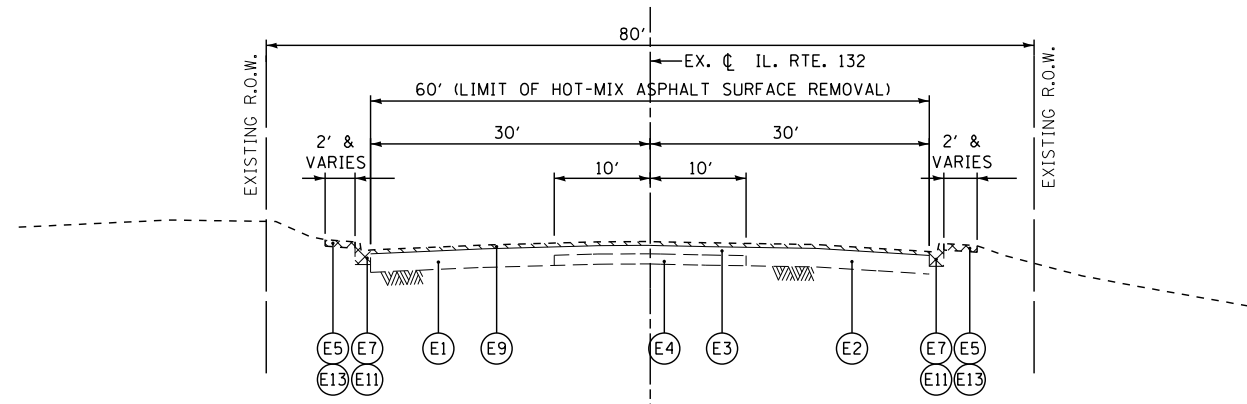
* 90' STA. 169+67.00 TO STA. 172+50.00

EXISTING TYPICAL SECTION - IL ROUTE 132
 STA. 70+75.64 TO STA. 74+24.00
 STA. 169+67.00 TO STA. 172+50.00

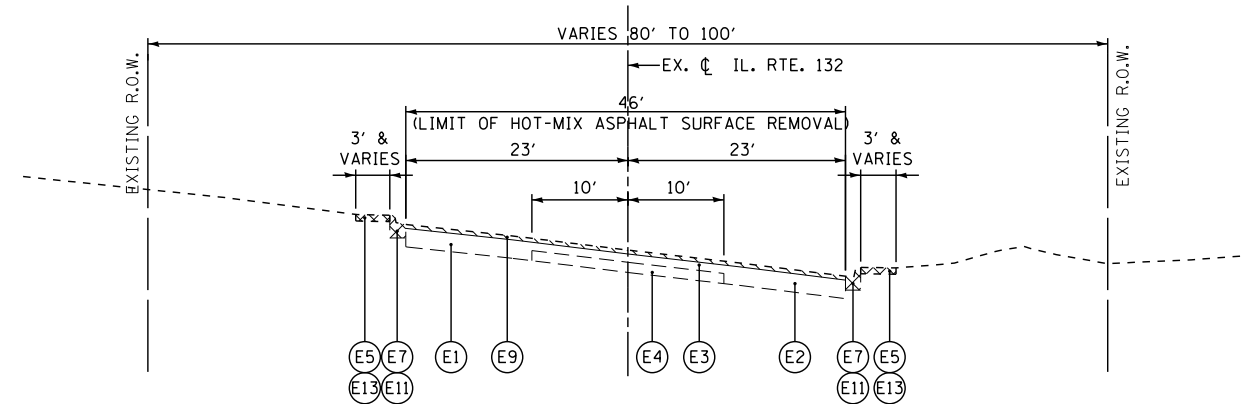


* 80' STA. 84+72.00 TO STA. 92+50.00
 VARIES 90' TO 100' STA. 131+50.00 TO STA. 158+00.00
 VARIES 90' TO 95' STA. 165+00.00 TO STA. 169+67.00

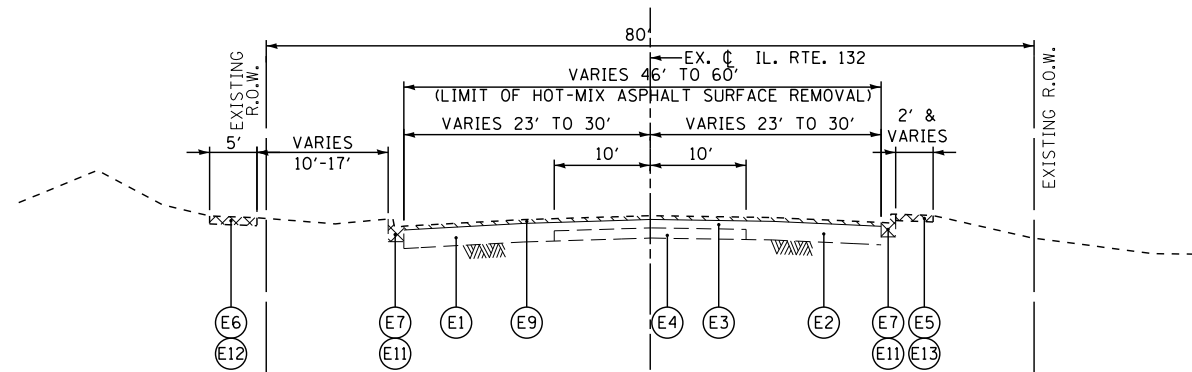
EXISTING TYPICAL SECTION - IL ROUTE 132
 STA. 84+72.00 TO STA. 92+50.00
 STA. 102+50.00 TO STA. 125+60.00
 STA. 131+50.00 TO STA. 158+00.00
 STA. 165+00.00 TO STA. 169+67.00



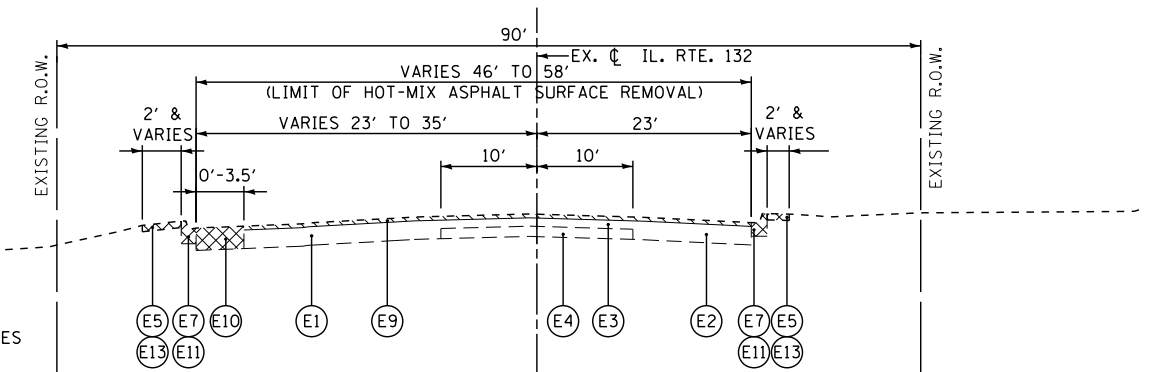
EXISTING TYPICAL SECTION - IL ROUTE 132
 STA. 74+24.00 TO STA. 78+00.00



EXISTING TYPICAL SECTION - IL ROUTE 132
 STA. 92+50.00 TO STA. 102+50.00
 STA. 158+00.00 TO STA. 165+00.00



EXISTING TYPICAL SECTION - IL ROUTE 132
 STA. 78+00.00 TO STA. 84+72.00



EXISTING TYPICAL SECTION - IL ROUTE 132
 STA. 125+60.00 TO STA. 131+50.00

LEGEND

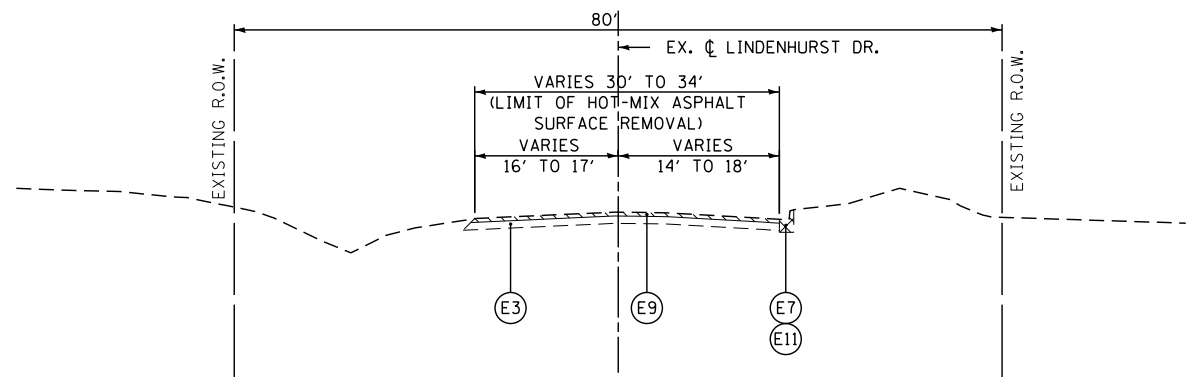
- (E1) EXISTING HOT-MIX ASPHALT PAVEMENT 14"±
- (E2) EXISTING HOT-MIX ASPHALT PAVEMENT 12"±
- (E3) EXISTING HOT-MIX ASPHALT PAVEMENT 7"±
- (E4) EXISTING PCC PAVEMENT 7 1/2"±
- (E5) EXISTING HMA PATH 2"±
- (E6) EXISTING PCC SIDEWALK
- (E7) EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E8) EXISTING HOT-MIX ASPHALT SHOULDERS, THICKNESS VARIES
- (E9) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E10) PAVEMENT REMOVAL
- (E11) COMBINATION CURB AND GUTTER REMOVAL
- (E12) SIDEWALK REMOVAL (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- (E13) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
- (E14) PAVED SHOULDER REMOVAL

FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -
#FILE#		DRAWN - TLA	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - BLG	REVISED -
	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -

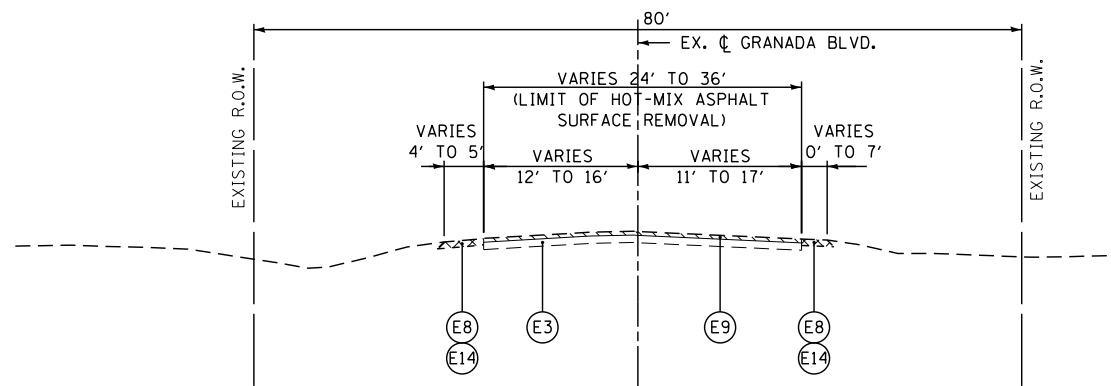
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

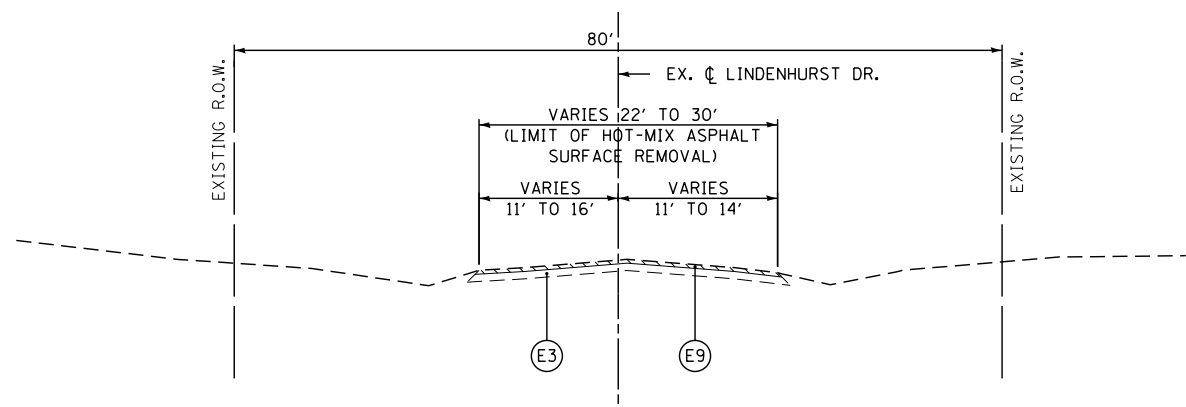
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	21
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



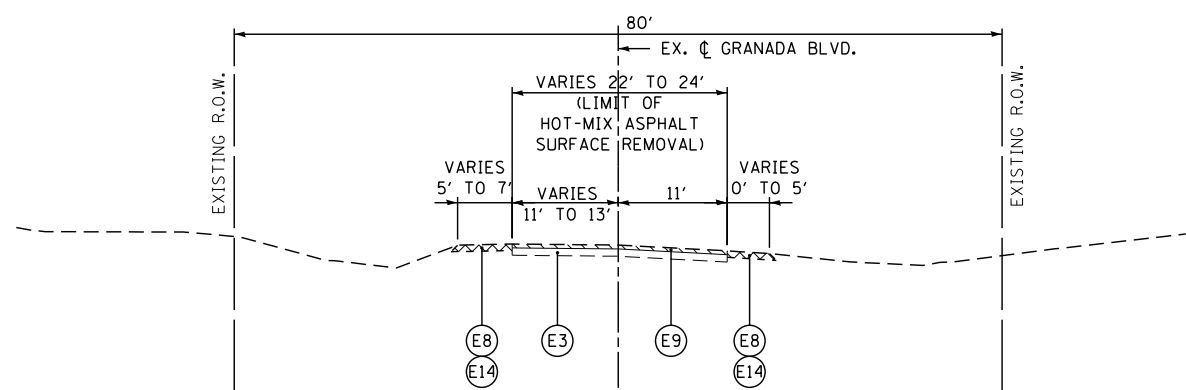
EXISTING TYPICAL SECTION LINDENHURST DRIVE
STA. 0+00 TO STA. 3+00



EXISTING TYPICAL SECTION GRANADA BOULEVARD
STA. 6+12 TO STA. 10+00



EXISTING TYPICAL SECTION LINDENHURST DRIVE
STA. 3+00 TO STA. 4+18



EXISTING TYPICAL SECTION GRANADA BOULEVARD
STA. 4+00 TO STA. 6+12

LEGEND

- (E1) EXISTING HOT-MIX ASPHALT PAVEMENT 14"±
- (E2) EXISTING HOT-MIX ASPHALT PAVEMENT 12"±
- (E3) EXISTING HOT-MIX ASPHALT PAVEMENT 7"±
- (E4) EXISTING PCC PAVEMENT 7 1/2"±
- (E5) EXISTING HMA PATH 2"±
- (E6) EXISTING PCC SIDEWALK
- (E7) EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E8) EXISTING HOT-MIX ASPHALT SHOULDERS, THICKNESS VARIES
- (E9) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E10) PAVEMENT REMOVAL
- (E11) COMBINATION CURB AND GUTTER REMOVAL
- (E12) SIDEWALK REMOVAL (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- (E13) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
- (E14) PAVED SHOULDER REMOVAL

FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -
FILEL		DRAWN - TLA	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - BLG	REVISED -
	PLOT DATE = *DATE*	DATE - 4/28/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

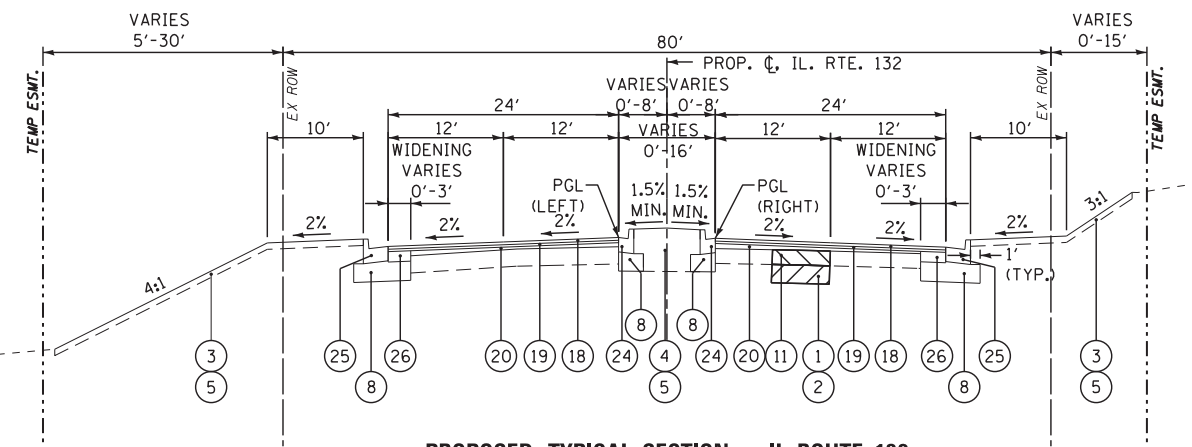
SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V55	

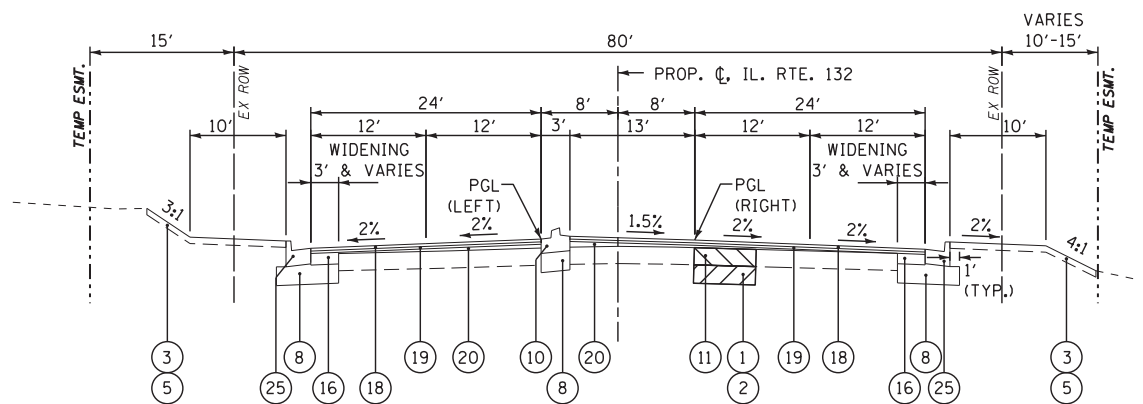
LEGEND

- 1 AGGREGATE SUBGRADE IMPROVEMENT (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- 2 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- 3 TOPSOIL FURNISH AND PLACE, 4"
- 4 TOPSOIL FURNISH AND PLACE, 24" (FOR MEDIAN WIDTHS 6 FT OR GREATER)
- 5 SEEDING (SEE LANDSCAPING PLANS)
- 6 SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN P.C.C. SIDEWALK 5")
- 7 SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- 8 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 9 AGGREGATE SHOULDERS, TYPE B, 6"
- * 10 CONCRETE MEDIAN, TYPE SB 6.12 (FOR MEDIAN WIDTHS LESS THAN 6 FT)
- 11 CLASS D PATCHES, 12" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 12 CLASS D PATCHES, 14" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 13 HOT-MIX ASPHALT BASE COURSE, 4 1/4" (FOR WIDENING GREATER THAN 6 FT)
- 14 HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/4" (FOR WIDENING 6 FT AND LESS)
- 15 HOT-MIX ASPHALT BASE COURSE, 7 1/4" (IN 2 LIFTS) (FOR WIDENING GREATER THAN 6 FT)
- 16 HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4" (IN 2 LIFTS) (FOR WIDENING BETWEEN 3 FT AND 6 FT)
- 17 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- 18 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- 19 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4" AND VARIES) - SEE DETAIL
- 20 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" MINIMUM THICKNESS)
- 21 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MINIMUM THICKNESS)
- 22 HOT-MIX ASPHALT SHOULDERS, 6"
- 23 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 26 PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING LESS THAN 3 FT)
- 27 LIGHTWEIGHT CELLULAR CONCRETE FILL (STA. 146+50 TO 149+50) (APPROXIMATE 4 FT DEPTH)
- 28 PLANTING SOIL MIX FURNISH AND PLACE, 12"

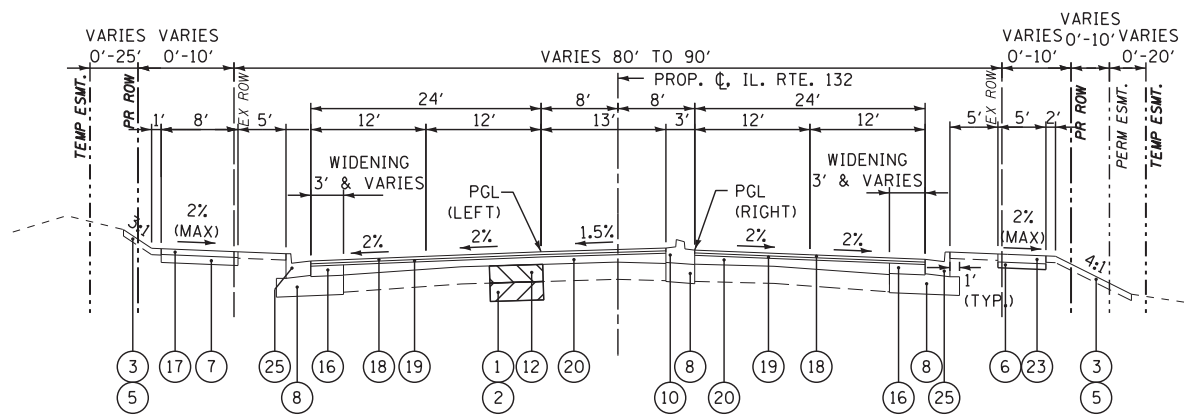
* TO BE POURED MONOLITHICALLY (OPTIONAL CONSTRUCTION JOINT IN STANDARD 606301 IS NOT PERMITTED)



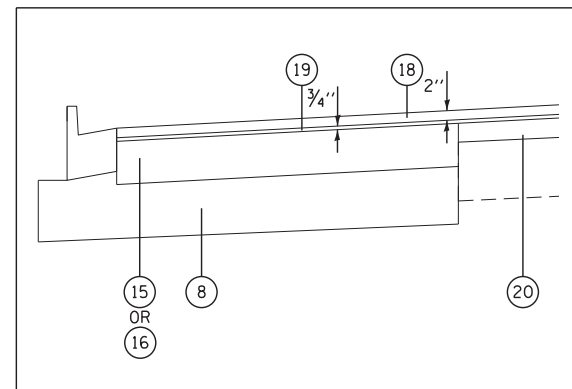
PROPOSED TYPICAL SECTION - IL ROUTE 132
STA. 70+75.64 TO STA. 76+27.00



PROPOSED TYPICAL SECTION - IL ROUTE 132
STA. 76+27.00 TO STA. 78+00.00



PROPOSED TYPICAL SECTION - IL ROUTE 132
STA. 78+00.00 TO STA. 79+72.00
STA. 83+91.37 TO STA. 85+35.00
STA. 90+08.36 TO STA. 91+65.00
STA. 104+40.54 TO STA. 106+09.00
STA. 114+45.50 TO STA. 115+99.00
STA. 122+54.13 TO STA. 124+42.00
STA. 127+32.00 TO STA. 128+79.00
STA. 132+43.50 TO STA. 134+10.00



PAVEMENT TRANSITION DETAIL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	AIR VOIDS @Ndes	OMP	IC
PAVEMENT RESURFACING/WIDENING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5mm)	4% @ 70 Gyr.	QCP	
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4" AND VARIES)	3.5% @ 50 Gyr.	QCP	9 PASSES
HMA ASPHALT BASE COURSE AND WIDEN, 4 1/4" & 7 1/4"	4% @ 50 Gyr.	OC/OA	
HMA BINDER IL-19mm (4 1/4")	4% @ 90 Gyr.	QCP (NOTE 1)	
HMA BINDER IL-19mm (7 1/4")	4% @ 90 Gyr.	QCP (NOTE 1)	
GRADE CORRECTION			
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VARIABLE DEPTH	4% @ 90 Gyr.	QCP (NOTE 1)	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, VARIABLE DEPTH	4% @ 50 Gyr.	OC/OA	
DRIVEWAYS			
HOT-MIX ASPHALT BASE COURSE, 6" & 8" (HMA BINDER IL-19mm) (2 LIFTS)	4% @ 50 Gyr.	OC/OA	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 Gyr.	OC/OA	
PATCHING			
CLASS D PATCHES, 12" (3 LIFTS) & 14" (4 LIFTS) (HMA BINDER IL-19mm)	4% @ 70 Gyr.	OC/OA	
HMA SHOULDERS, 6"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 Gyr.	OC/OA	
HOT-MIX ASPHALT BASE COURSE, 4" (HMA BINDER IL-19mm)	4% @ 50 Gyr.	OC/OA	
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 Gyr.	OC/OA	
HOT-MIX ASPHALT BASE COURSE, 7 1/4" (2 LIFTS) (HMA BINDER IL-19mm)	4% @ 50 Gyr.	OC/OA	
SHARED USE PATH			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 Gyr.	OC/OA	

NOTES:

- 1) THE DENSITY FOR THIS MIX WILL BE ASSIGNED 100 PERCENT PAY FACTOR, BE TESTED RANDOMLY AT THE FREQUENCY REQUIRED IN THE HMA - QUALITY CONTROL FOR PERFORMANCE SPECIAL PROVISION, AND SHALL MEET MINIMUM OC/OA DENSITY REQUIREMENTS IN ACCORDANCE WITH ART. 1030 OF THE STANDARD SPECIFICATIONS.
- 2) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.
- 3) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
- 4) MILLING SHALL BE DONE PRIOR TO PATCHING
- 5) QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
- 6) WHEN A NUMBER OF ROLLER PASSES IS SPECIFIED, THE CONTRACTOR MAY OPT TO USE INTELLIGENT COMPACTION (IC) IN LIEU OF DENSITY TESTING UNDER THE QUALITY CONTROL FOR PERFORMANCE (QCP) PROGRAM.

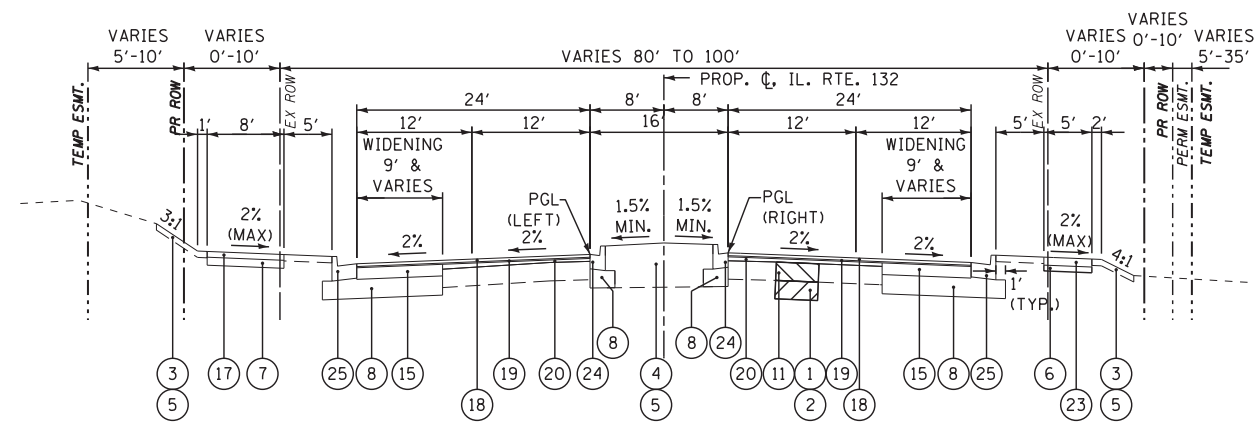
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -
FILEL		DRAWN - TLA	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - BLG	REVISED -
	PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

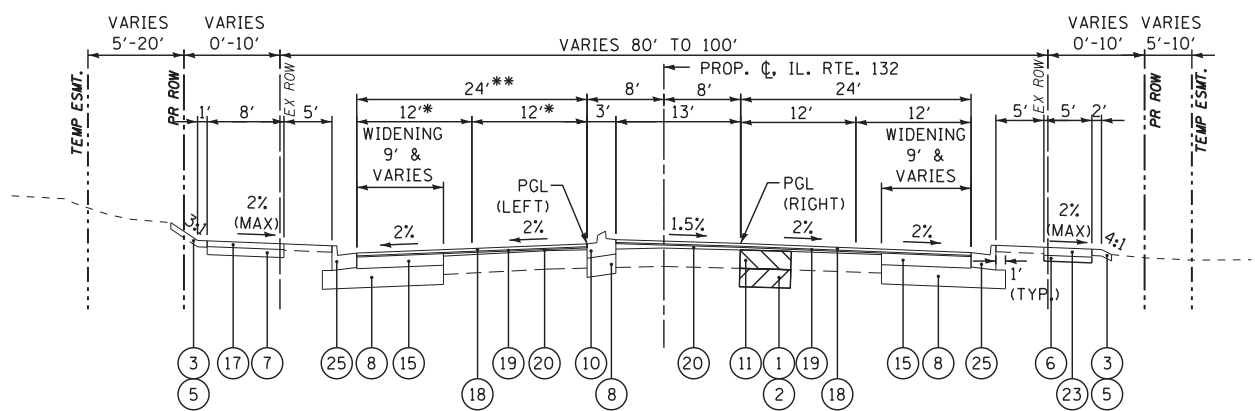
SCALE: N.T.S. SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	23
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION - IL ROUTE 132

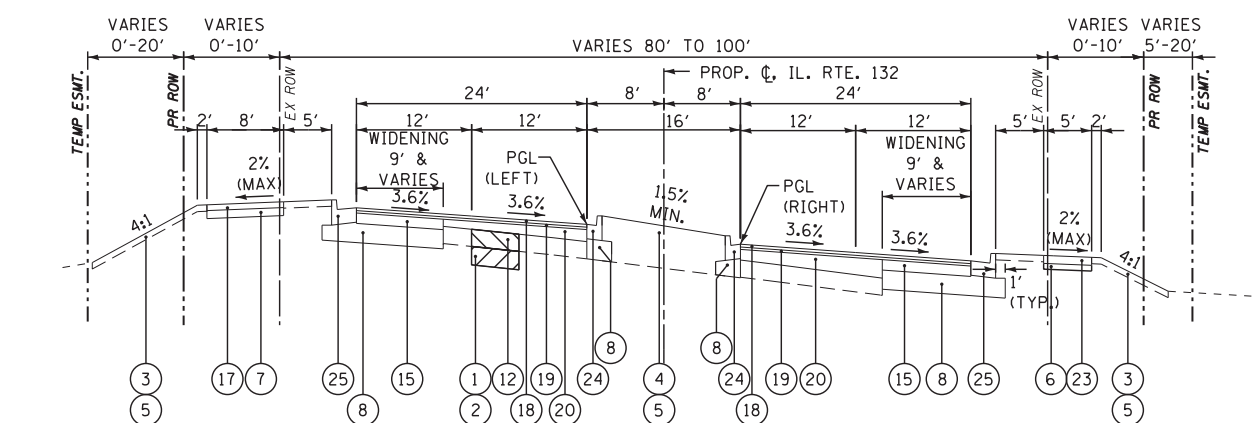
STA. 79+72.00 TO STA. 83+91.37 STA. 109+58.00 TO STA. 112+92.00
 STA. 85+35.00 TO STA. 88+52.00 STA. 115+99.00 TO STA. 120+91.00
 STA. 91+65.00 TO STA. 93+62.75
 STA. 101+04.54 TO STA. 102+95.00



* 11' FROM STA. 164+01.00 TO STA. 165+49.37
 ** 22' FROM STA. 164+01.00 TO STA. 165+49.37

PROPOSED TYPICAL SECTION - IL ROUTE 132

STA. 88+52.00 TO STA. 90+08.36 STA. 120+91.00 TO STA. 122+54.13
 STA. 102+95.00 TO STA. 104+40.54 STA. 125+85.00 TO STA. 127+32.00
 STA. 108+16.00 TO STA. 109+58.00 STA. 130+93.00 TO STA. 132+43.50
 STA. 112+92.00 TO STA. 114+45.50 STA. 164+01.00 TO STA. 165+49.37



PROPOSED TYPICAL SECTION - IL ROUTE 132

STA. 93+62.75 TO STA. 101+04.54

- 1 AGGREGATE SUBGRADE IMPROVEMENT (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- 2 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- 3 TOPSOIL FURNISH AND PLACE, 4"
- 4 TOPSOIL FURNISH AND PLACE, 24" (FOR MEDIAN WIDTHS 6 FT OR GREATER)
- 5 SEEDING (SEE LANDSCAPING PLANS)
- 6 SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN P.C.C. SIDEWALK 5")
- 7 SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- 8 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 9 AGGREGATE SHOULDERS, TYPE B, 6"
- * 10 CONCRETE MEDIAN, TYPE SB 6.12 (FOR MEDIAN WIDTHS LESS THAN 6 FT)
- 11 CLASS D PATCHES, 12" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 12 CLASS D PATCHES, 14" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- 13 HOT-MIX ASPHALT BASE COURSE, 4 1/4" (FOR WIDENING GREATER THAN 6 FT)
- 14 HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/4" (FOR WIDENING 6 FT AND LESS)
- 15 HOT-MIX ASPHALT BASE COURSE, 7 1/4" (IN 2 LIFTS) (FOR WIDENING GREATER THAN 6 FT)
- 16 HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4" (IN 2 LIFTS) (FOR WIDENING BETWEEN 3 FT AND 6 FT)
- 17 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- 18 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- 19 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4" AND VARIES) - SEE DETAIL
- 20 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" MINIMUM THICKNESS)
- 21 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MINIMUM THICKNESS)
- 22 HOT-MIX ASPHALT SHOULDERS, 6"
- 23 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 26 PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING LESS THAN 3 FT)
- 27 LIGHTWEIGHT CELLULAR CONCRETE FILL (STA. 146+50 TO 149+50) (APPROXIMATE 4 FT DEPTH)
- 28 PLANTING SOIL MIX FURNISH AND PLACE, 12"

* TO BE POURED MONOLITHICALLY (OPTIONAL CONSTRUCTION JOINT IN STANDARD 606301 IS NOT PERMITTED)

SOILS NOTE:

AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS ARE ESTIMATED AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA. TO STA.	ESTIMATED UNDERCUT DEPTH	ESTIMATED UNDERCUT
IL ROUTE 132:		
146+50 TO 149+50	4 FEET	1533 CU YD WITH GEOTECHNICAL FABRIC (1150 SQ YD)
155+50 TO 157+50	6 INCHES	80 CU YD WITH GEOTECHNICAL FABRIC (478 SQ YD)
162+50 TO 164+00	6 INCHES	60 CU YD WITH GEOTECHNICAL FABRIC (358 SQ YD)

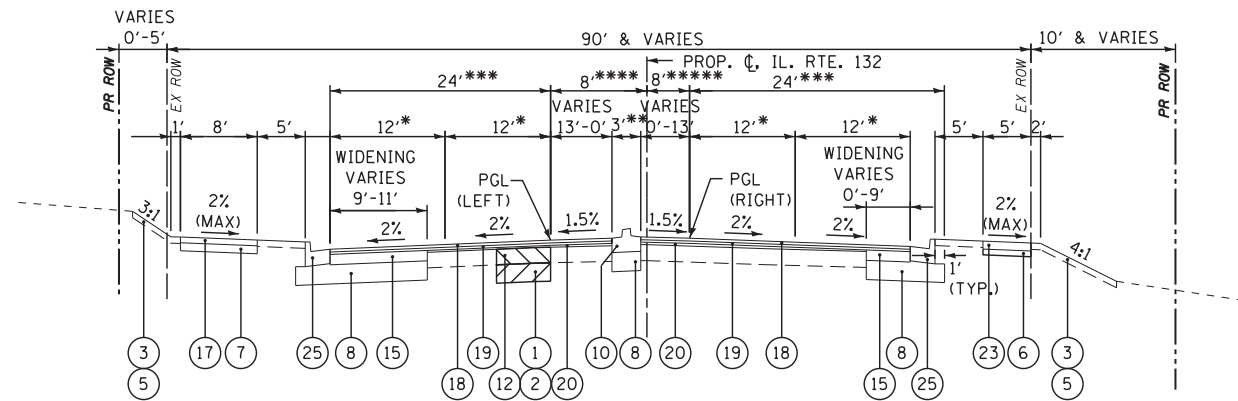
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -
*FILE#		DRAWN - TLA	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - BLG	REVISED -
	PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 2 OF 5 SHEETS STA. TO STA.

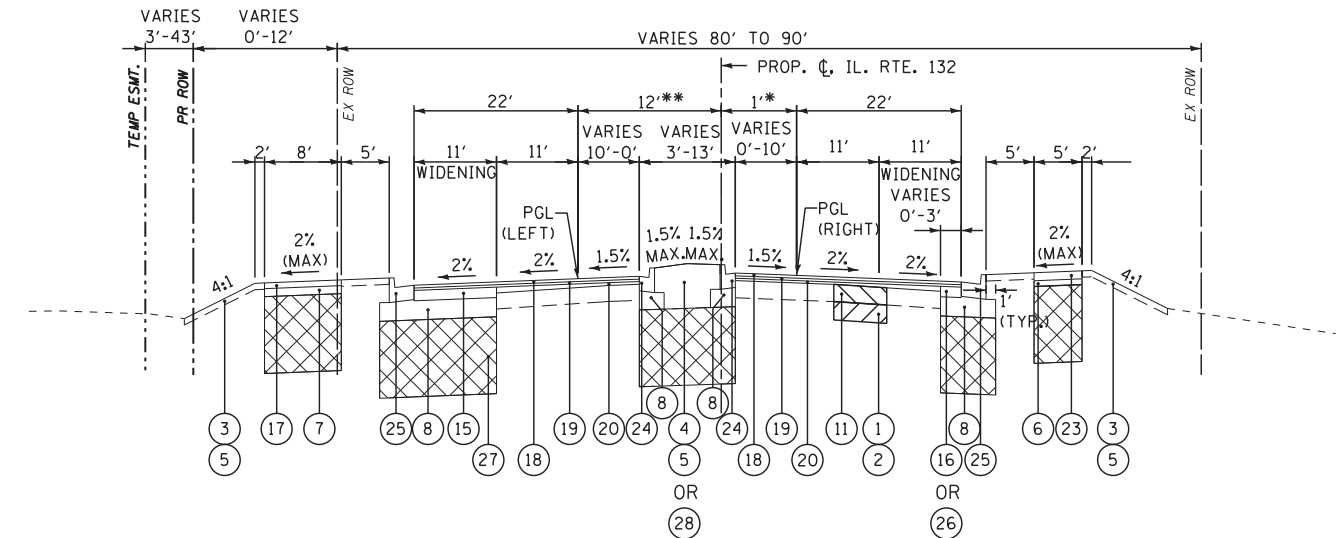
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	24
			CONTRACT NO. 60V55	
ILLINOIS FED. AID PROJECT				



* VARIES 12' TO 11' STA. 134+10.00 TO STA. 135+87.00
 ** 6' & VARIES STA. 106+09.00 TO STA. 108+16.00
 6.4' & VARIES STA. 128+79.00 TO STA. 130+93.00
 *** VARIES 24' TP 22' STA. 134+10.00 TO STA. 135+87.00
 **** VARIES 8' TO 12' STA. 134+10.00 TO STA. 135+87.00
 ***** VARIES 8' TO 1' STA. 134+10.00 TO STA. 135+87.00

PROPOSED TYPICAL SECTION IL ROUTE 132

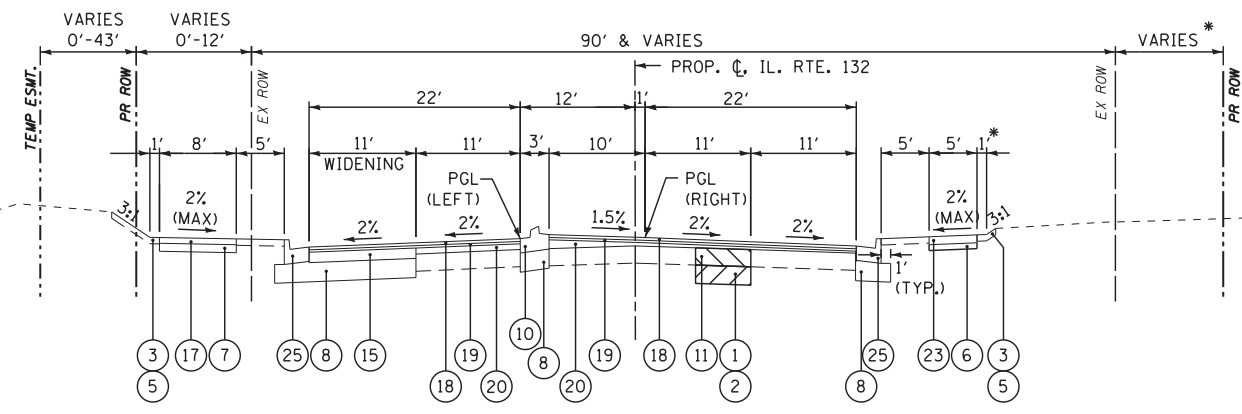
STA. 106+09.00 TO STA. 108+16.00
 STA. 124+42.00 TO STA. 125+85.00
 STA. 128+79.00 TO STA. 130+93.00
 STA. 134+10.00 TO STA. 135+87.00



* 3' FROM STA. 145+89.00 TO STA. 148+10.00
 ** 10' FROM STA. 145+89.00 TO STA. 148+10.00

PROPOSED TYPICAL SECTION IL ROUTE 132

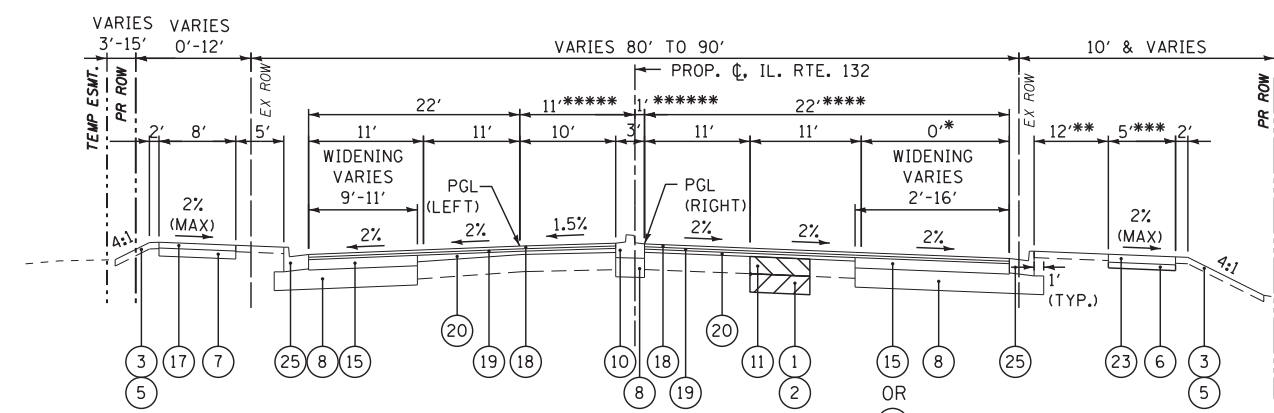
STA. 139+76.00 TO STA. 142+85.00
 STA. 145+89.00 TO STA. 148+10.00



* SEE CROSS SECTIONS AND DETENTION BASIN SHEETS FOR DETAILED GRADING INFORMATION

PROPOSED TYPICAL SECTION IL ROUTE 132

STA. 135+87.00 TO STA. 137+93.72
 STA. 142+85.00 TO STA. 144+33.16



* 16' FROM STA. 138+49.00 TO STA. 140+49.00
 ** 0' FROM STA. 137+93.72 TO STA. 139+76.00
 *** 7' FROM STA. 137+93.72 TO STA. 139+76.00
 **** 38' FROM STA. 138+49.00 TO STA. 140+49.00
 ***** 10' FROM STA. 144+33.16 TO STA. 145+89.00
 ***** 3' FROM STA. 144+33.16 TO STA. 145+89.00

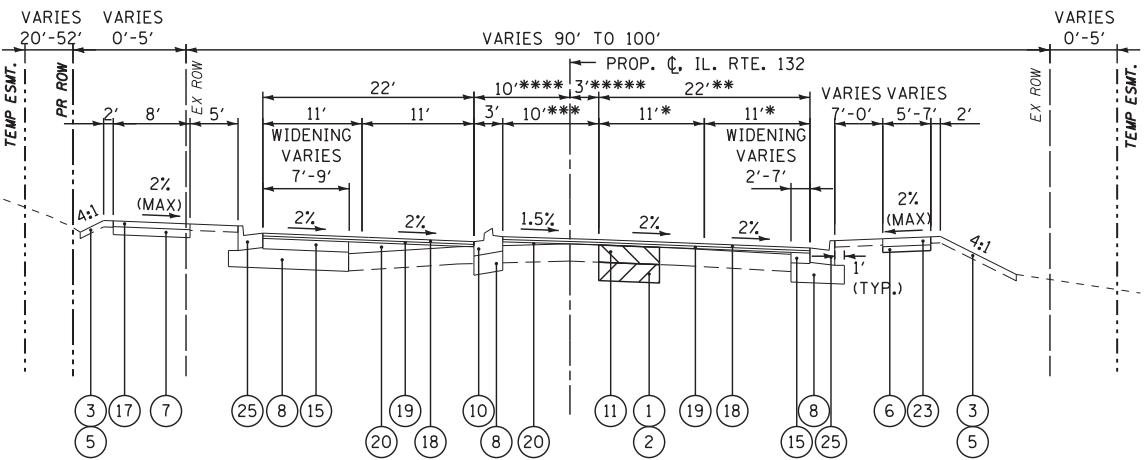
PROPOSED TYPICAL SECTION IL ROUTE 132

STA. 137+93.72 TO STA. 139+76.00
 STA. 144+33.16 TO STA. 145+89.00

LEGEND

- ① AGGREGATE SUBGRADE IMPROVEMENT (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
 - ② GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
 - ③ TOPSOIL FURNISH AND PLACE, 4"
 - ④ TOPSOIL FURNISH AND PLACE, 24" (FOR MEDIAN WIDTHS 6 FT OR GREATER)
 - ⑤ SEEDING (SEE LANDSCAPING PLANS)
 - ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN P.C.C. SIDEWALK 5")
 - ⑦ SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑧ AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ⑨ AGGREGATE SHOULDERS, TYPE B, 6"
 - * ⑩ CONCRETE MEDIAN, TYPE SB 6.12 (FOR MEDIAN WIDTHS LESS THAN 6 FT)
 - ⑪ CLASS D PATCHES, 12" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
 - ⑫ CLASS D PATCHES, 14" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
 - ⑬ HOT-MIX ASPHALT BASE COURSE, 4 1/4" (FOR WIDENING GREATER THAN 6 FT)
 - ⑭ HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/4" (FOR WIDENING 6 FT AND LESS)
 - ⑮ HOT-MIX ASPHALT BASE COURSE, 7 1/4" (IN 2 LIFTS) (FOR WIDENING GREATER THAN 6 FT)
 - ⑯ HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4" (IN 2 LIFTS) (FOR WIDENING BETWEEN 3 FT AND 6 FT)
 - ⑰ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
 - ⑱ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
 - ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4" AND VARIES) - SEE DETAIL
 - ⑳ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" MINIMUM THICKNESS)
 - ㉑ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MINIMUM THICKNESS)
 - ㉒ HOT-MIX ASPHALT SHOULDERS, 6"
 - ㉓ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
 - ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ㉖ PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING LESS THAN 3 FT)
 - ㉗ LIGHTWEIGHT CELLULAR CONCRETE FILL (STA. 146+50 TO 149+50) (APPROXIMATE 4 FT DEPTH)
 - ㉘ PLANTING SOIL MIX FURNISH AND PLACE, 12"
- * TO BE POURED MONOLITHICALLY (OPTIONAL CONSTRUCTION JOINT IN STANDARD 606301 IS NOT PERMITTED)

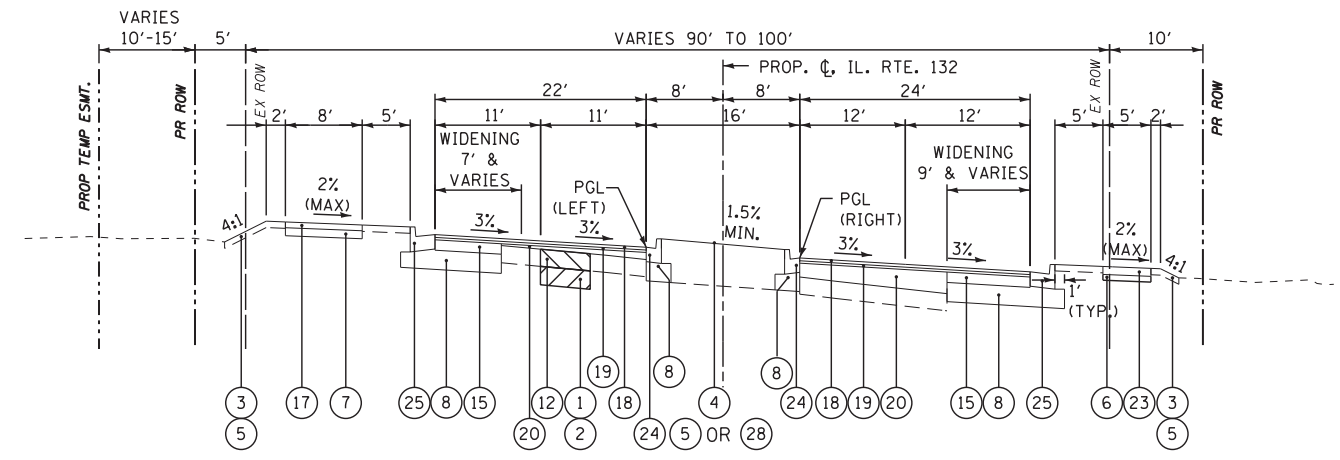
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL	PLOT SCALE = *SCALE*	DRAWN - TLA	REVISED -					541	A-WRS-2	LAKE	345	25
	PLOT DATE = *DATE*	CHECKED - BLG	REVISED -		SCALE: N.T.S. SHEET NO. 3 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 60V55				
		DATE - 1/29/2018	REVISED -		ILLINOIS FED. AID PROJECT							



* 12' FROM STA. 153+13.00 TO STA. 154+77.19
 ** 24' FROM STA. 153+13.00 TO STA. 154+77.19
 *** 11' FROM STA. 153+13.00 TO STA. 154+77.19
 **** 8' FROM STA. 153+13.00 TO STA. 154+77.19
 ***** 6' FROM STA. 153+13.00 TO STA. 154+77.19

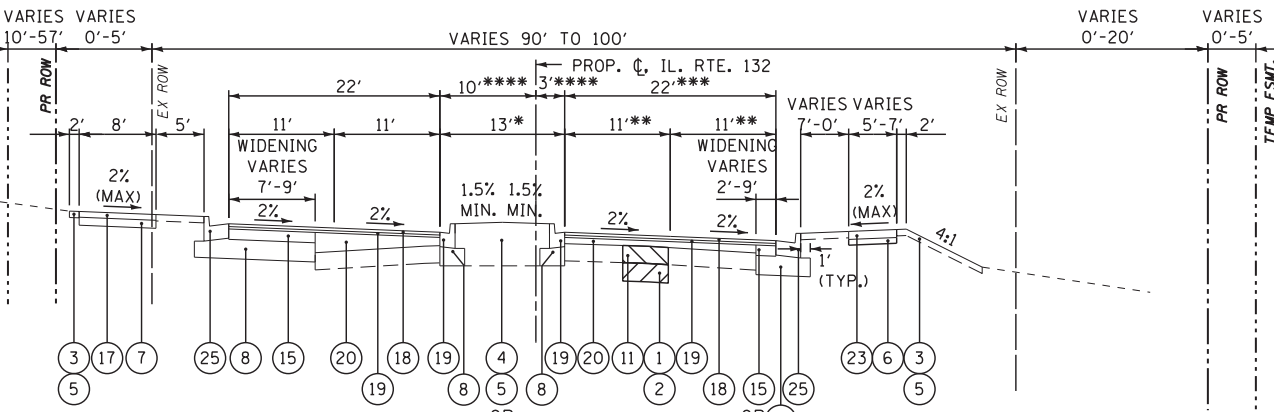
PROPOSED TYPICAL SECTION IL ROUTE 132

STA. 148+10.00 TO STA. 149+63.25
 STA. 153+13.00 TO STA. 154+77.19



PROPOSED TYPICAL SECTION IL ROUTE 132

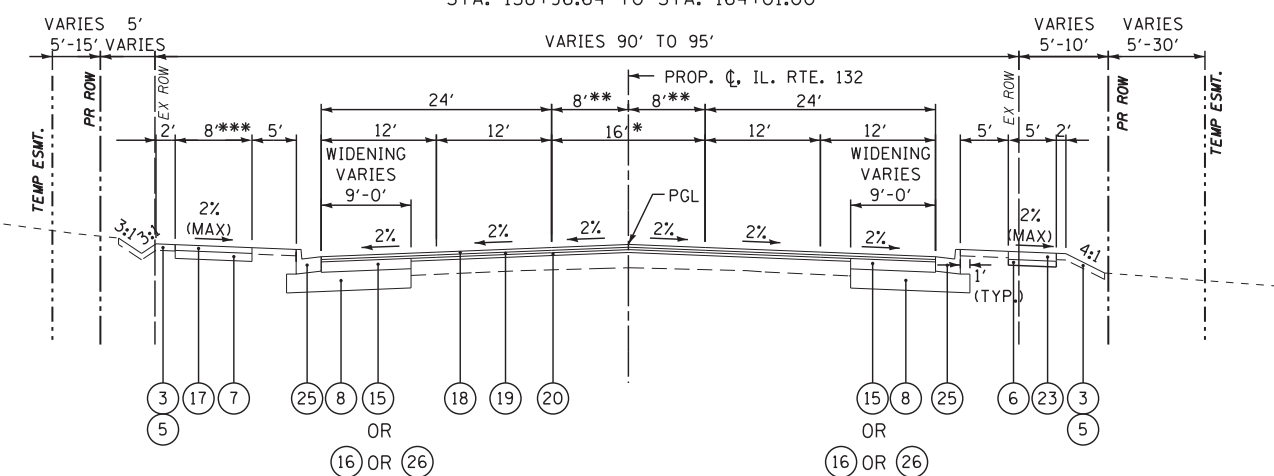
STA. 158+96.64 TO STA. 164+01.00



* 16' FROM STA. 156+55.00 TO STA. 158+96.64
 ** 12' FROM STA. 156+55.00 TO STA. 158+96.64
 *** 24' FROM STA. 156+55.00 TO STA. 158+96.64
 **** 8' FROM STA. 156+55.00 TO STA. 158+96.64

PROPOSED TYPICAL SECTION IL ROUTE 132

STA. 149+63.25 TO STA. 153+13.00
 STA. 156+55.00 TO STA. 158+96.64



PROPOSED TYPICAL SECTION IL ROUTE 132

STA. 165+49.37 TO STA. 172+50.00

LEGEND

- ① AGGREGATE SUBGRADE IMPROVEMENT (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- ② GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- ③ TOPSOIL FURNISH AND PLACE, 4"
- ④ TOPSOIL FURNISH AND PLACE, 24" (FOR MEDIAN WIDTHS 6 FT OR GREATER)
- ⑤ SEEDING (SEE LANDSCAPING PLANS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN P.C.C. SIDEWALK 5")
- ⑦ SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑨ AGGREGATE SHOULDERS, TYPE B, 6"
- * ⑩ CONCRETE MEDIAN, TYPE SB 6.12 (FOR MEDIAN WIDTHS LESS THAN 6 FT)
- ⑪ CLASS D PATCHES, 12" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑫ CLASS D PATCHES, 14" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑬ HOT-MIX ASPHALT BASE COURSE, 4 1/4" (FOR WIDENING GREATER THAN 6 FT)
- ⑭ HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/4" (FOR WIDENING 6 FT AND LESS)
- ⑮ HOT-MIX ASPHALT BASE COURSE, 7 1/4" (IN 2 LIFTS) (FOR WIDENING GREATER THAN 6 FT)
- ⑯ HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4" (IN 2 LIFTS) (FOR WIDENING BETWEEN 3 FT AND 6 FT)
- ⑰ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑱ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4" AND VARIES) - SEE DETAIL
- ⑳ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" MINIMUM THICKNESS)
- ㉑ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MINIMUM THICKNESS)
- ㉒ HOT-MIX ASPHALT SHOULDERS, 6"
- ㉓ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ㉖ PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING LESS THAN 3 FT)
- ㉗ LIGHTWEIGHT CELLULAR CONCRETE FILL (STA. 146+50 TO 149+50) (APPROXIMATE 4 FT DEPTH)
- ㉘ PLANTING SOIL MIX FURNISH AND PLACE, 12"

* TO BE POURED MONOLITHICALLY (OPTIONAL CONSTRUCTION JOINT IN STANDARD 606301 IS NOT PERMITTED)

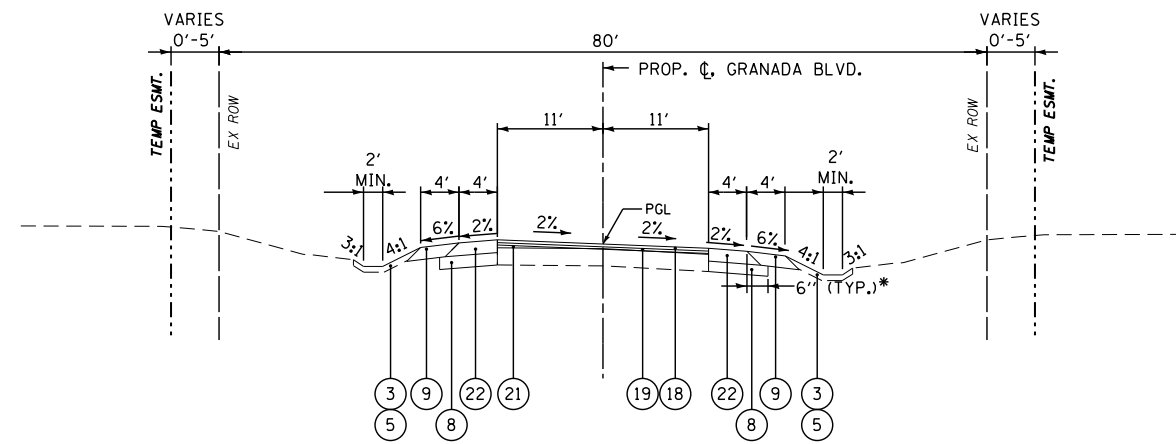
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -
FILEL		DRAWN - TLA	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - BLG	REVISED -
	PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 4 OF 5 SHEETS STA. TO STA.

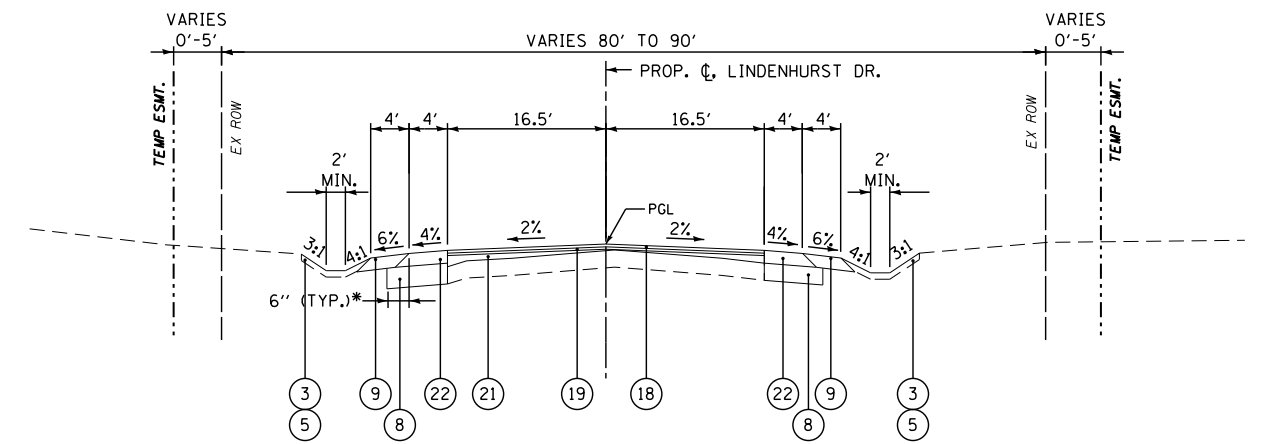
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	26
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



* SEE STANDARD 482001 FOR DETAILS NOT SHOWN

PROPOSED TYPICAL SECTION GRANADA BLVD.

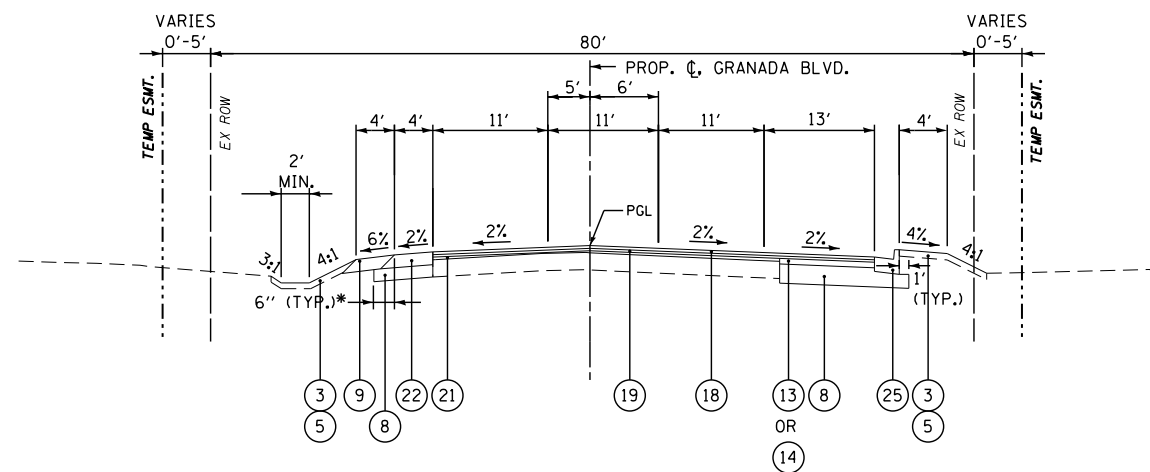
STA. 4+00.00 TO STA. 6+44.00



* SEE STANDARD 482001 FOR DETAILS NOT SHOWN

PROPOSED TYPICAL SECTION LINDENHURST DR.

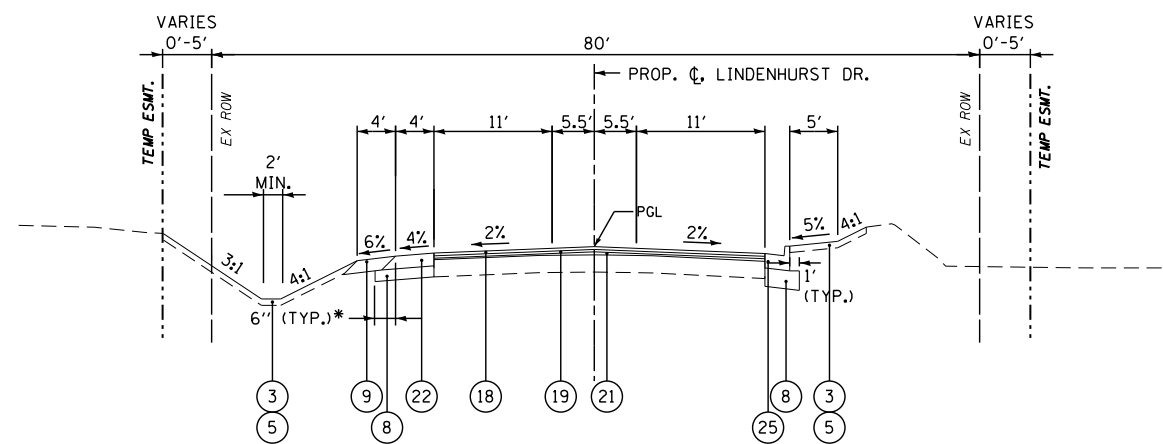
STA. 2+87.00 TO STA. 4+18.00



* SEE STANDARD 482001 FOR DETAILS NOT SHOWN

PROPOSED TYPICAL SECTION GRANADA BLVD.

STA. 6+44.00 TO STA. 10+00.00



* SEE STANDARD 482001 FOR DETAILS NOT SHOWN

PROPOSED TYPICAL SECTION LINDENHURST DR.

STA. 0+00.00 TO STA. 2+87.00

LEGEND

- ① AGGREGATE SUBGRADE IMPROVEMENT (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- ② GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- ③ TOPSOIL FURNISH AND PLACE, 4"
- ④ TOPSOIL FURNISH AND PLACE, 24" (FOR MEDIAN WIDTHS 6 FT OR GREATER)
- ⑤ SEEDING (SEE LANDSCAPING PLANS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 2" (COST INCLUDED IN P.C.C. SIDEWALK 5")
- ⑦ SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑨ AGGREGATE SHOULDERS, TYPE B, 6"
- * ⑩ CONCRETE MEDIAN, TYPE SB 6.12 (FOR MEDIAN WIDTHS LESS THAN 6 FT)
- ⑪ CLASS D PATCHES, 12" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑫ CLASS D PATCHES, 14" (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑬ HOT-MIX ASPHALT BASE COURSE, 4 1/4" (FOR WIDENING GREATER THAN 6 FT)
- ⑭ HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/4" (FOR WIDENING 6 FT AND LESS)
- ⑮ HOT-MIX ASPHALT BASE COURSE, 7 1/4" (IN 2 LIFTS) (FOR WIDENING GREATER THAN 6 FT)
- ⑯ HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4" (IN 2 LIFTS) (FOR WIDENING BETWEEN 3 FT AND 6 FT)
- ⑰ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑱ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4" AND VARIES) - SEE DETAIL
- ⑳ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" MINIMUM THICKNESS)
- ㉑ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MINIMUM THICKNESS)
- ㉒ HOT-MIX ASPHALT SHOULDERS, 6"
- ㉓ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ㉖ PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING LESS THAN 3 FT)
- ㉗ LIGHTWEIGHT CELLULAR CONCRETE FILL (STA. 146+50 TO 149+50) (APPROXIMATE 4 FT DEPTH)
- ㉘ PLANTING SOIL MIX FURNISH AND PLACE, 12"

* TO BE POURED MONOLITHICALLY (OPTIONAL CONSTRUCTION JOINT IN STANDARD 606301 IS NOT PERMITTED)

FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - TLA	REVISED -					541	A-WRS-2	LAKE	345	27
PLOT SCALE = *SCALE*		CHECKED - BLG	REVISED -		SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 60V55				
PLOT DATE = *DATE*		DATE - 4/28/2017	REVISED -		ILLINOIS FED. AID PROJECT							

TREE REMOVAL (6 TO 15 UNIT DIA)				
STATION	OFFSET		QUANTITY	
	(FOOT)	(LT/RT)		
IL RTE 132 - 64+00 TO 79+00				
72+90	37	RT	10	
77+47	43	RT	7	
77+91	43	RT	10	
77+93	44	RT	8	
77+94	44	RT	8	
77+94	44	RT	8	
77+96	44	RT	8	
IL RTE 132 - 79+00 TO 94+00				
79+53	37	RT	10	
79+77	42	RT	7	
79+83	41	RT	7	
79+85	38	RT	8	
79+87	41	RT	7	
79+90	38	RT	4	
80+21	40	RT	9	
84+39	55	LT	8	
84+41	54	LT	12	
84+75	55	LT	10	
84+80	54	LT	12	
84+92	51	LT	10	
84+94	56	LT	9	
85+08	55	LT	12	
85+13	56	LT	9	
87+28	42	RT	10	
88+02	41	RT	13	
88+29	41	RT	12	
88+48	42	RT	5	
88+67	43	RT	9	
88+88	38	RT	10	
89+44	39	RT	11	
89+44	39	RT	14	
89+64	37	RT	12	
89+89	34	RT	4	
89+89	34	RT	5	
89+89	34	RT	6	
89+89	34	RT	6	
90+11	56	RT	8	
90+14	34	RT	6	
90+22	34	RT	10	
90+49	40	RT	10	
90+50	38	RT	10	
90+50	39	RT	11	
90+59	40	RT	6	
90+50	39	RT	9	
90+74	39	RT	6	
90+75	39	RT	10	
90+76	39	RT	7	
90+77	39	RT	6	
90+82	39	RT	5	
90+84	39	RT	10	
90+85	39	RT	13	
90+92	37	RT	12	
91+65	42	RT	9	
91+69	40	RT	12	
91+89	42	RT	12	
92+10	42	RT	12	
IL RTE 132 - 94+00 TO 108+00				
96+55	42	RT	11	
99+44	50	RT	11	
100+47	50	RT	11	
IL RTE 132 - 108+00 TO 121+00				
109+08	56	LT	9	
111+15	53	RT	7	
111+16	52	RT	6	
111+17	50	RT	7	
111+22	50	RT	7	
111+30	49	RT	11	
111+32	49	RT	7	
111+33	49	RT	7	
111+33	49	RT	5	
113+24	46	LT	6	
115+87	41	RT	7	
117+24	45	RT	9	
117+25	40	RT	12	
117+25	43	RT	10	
117+26	46	RT	5	
117+26	46	RT	7	
117+39	39	RT	9	
117+41	42	RT	7	
117+48	46	RT	9	
118+38	39	RT	8	
118+39	42	RT	6	
118+43	39	RT	11	
118+49	39	RT	14	
118+51	39	RT	11	
118+53	42	RT	8	
118+77	41	RT	9	
118+85	42	RT	7	
119+22	44	RT	8	
119+70	44	RT	10	
119+93	43	RT	10	
120+02	38	RT	10	
120+55	44	RT	9	

TREE REMOVAL (6 TO 15 UNIT DIA)				
STATION	OFFSET		QUANTITY	
	(FOOT)	(LT/RT)		
IL RTE 132 - 121+00 TO 136+00				
126+66	40	RT	7	
127+00	40	RT	7	
129+82	44	LT	3	
130+19	44	LT	3	
130+90	44	LT	4	
131+06	44	LT	4	
131+89	41	LT	4	
134+32	119	RT	8	
134+43	105	RT	7	
134+50	120	RT	9	
134+50	120	RT	5	
134+50	120	RT	2	
134+64	94	RT	9	
134+81	115	RT	9	
135+00	110	RT	6	
135+01	102	RT	6	
135+02	110	RT	6	
135+07	115	RT	7	
135+09	115	RT	5	
135+13	112	RT	7	
135+13	112	RT	4	
135+16	114	RT	7	
135+17	137	RT	7	
135+20	147	RT	7	
135+20	120	RT	9	
135+20	120	RT	8	
135+20	120	RT	3	
135+21	163	RT	8	
135+21	163	RT	9	
135+21	163	RT	5	
135+22	146	RT	8	
135+49	149	RT	10	
135+68	143	RT	8	
135+68	143	RT	3	
135+78	64	RT	8	
135+99	50	LT	11	
IL RTE 132 - 136+00 TO 151+00				
136+04	137	RT	12	
136+14	53	LT	3	
136+18	45	LT	5	
136+47	50	LT	6	
136+53	63	RT	7	
136+73	140	RT	6	
136+78	135	RT	9	
136+83	137	RT	8	
136+84	139	RT	6	
137+18	125	RT	7	
137+83	42	RT	8	
137+84	42	RT	6	
138+20	69	LT	12	
138+33	85	LT	11	
138+89	53	RT	9	
138+89	54	RT	6	
139+07	44	RT	8	
139+11	51	RT	7	
139+21	44	RT	6	
139+23	47	RT	8	
139+35	45	RT	10	
139+49	88	RT	6	
139+51	69	RT	10	
139+55	112	RT	8	
143+70	44	RT	5	
143+78	44	RT	10	
143+90	44	RT	10	
143+94	48	RT	8	
147+55	72	LT	5	
148+05	65	LT	3	
148+32	70	LT	4	
150+48	47	LT	4	
150+66	48	LT	4	
150+87	48	LT	4	
IL RTE 132 - 151+00 TO 166+00				
151+05	48	LT	4	
151+34	48	LT	3	
151+77	55	LT	12	
151+92	57	LT	9	
152+12	50	LT	4	
153+02	45	RT	12	
153+13	45	RT	12	
153+23	45	RT	12	
153+30	45	RT	12	
158+30	35	LT	5	
158+85	50	LT	8	
158+85	47	RT	12	
159+01	47	RT	8	
159+05	48	RT	10	
159+42	48	RT	12	
159+48	48	RT	10	
159+51	48	RT	6	
159+53	48	RT	4	
159+57	48	RT	6	
159+61	39	RT	10	

TREE REMOVAL (6 TO 15 UNIT DIA)				
STATION	OFFSET		QUANTITY	
	(FOOT)	(LT/RT)		
159+69	39	RT	10	
159+87	43	RT	12	
159+92	38	RT	8	
159+92	40	RT	8	
160+48	41	RT	8	
160+62	40	RT	8	
161+34	42	RT	8	
161+50	45	LT	9	
161+52	41	RT	10	
161+57	45	LT	5	
161+58	41	RT	5	
161+98	42	RT	12	
162+16	41	RT	6	
162+16	41	RT	6	
163+00	38	RT	6	
163+32	42	RT	5	
163+38	42	RT	10	
163+40	40	RT	10	
164+00	44	RT	6	
164+59	45	RT	6	
164+70	42	RT	6	
164+81	44	RT	6	
164+86	59	LT	3	
164+86	59	LT	10	
164+86	59	LT	12	
164+92	43	RT	8	
164+95	42	RT	6	
165+99	43	RT	8	
164+99	57	LT	8	
IL RTE 132 - 166+00 TO 177+07				
166+06	40	RT	8	
166+32	42	RT	6	
166+32	42	RT	6	
166+42	42	RT	10	
166+44	43	RT	6	
166+52	42	RT	6	
166+58	41	RT	10	
166+68	42	RT	10	
166+95	53	LT	11	
167+35	43	RT	10	
167+55	44	RT	5	
167+56	39	RT	10	
167+72	43	RT	6	
167+79	49	LT	6	
167+95	49	LT	6	
168+03	48	LT	6	
168+19	41	RT	10	
168+38	42	RT	6	
168+42	50	LT	8	
168+67	49	LT	6	
168+75	51	LT	6	
169+04	40	RT	6	
169+55	52	RT	8	
169+74	47	RT	8	
170+00	53	RT	6	
170+07	42	RT	15	
170+07	42	RT	14	
170+08	53	RT	6	
170+13	51	RT	6	
170+24	52	RT	9	
170+28	52	RT	9	
170+79	47	RT	10	
171+00	46	RT	6	
171+06	46	RT	8	
171+14	46	RT	8	
171+20	57	RT	6	
171+21	46	RT	6	
171+25	57	RT	12	
171+28	46	RT	8	
171+35	46	RT	6	
171+36	58	RT	7	
171+39	41	RT	7	
171+42	47	RT	8	
171+43	57	RT	6	
171+49	47	RT	6	
171+55	47	RT	9	
171+64	47	RT	8	
171+85	47	RT	15	
171+95	47	RT	6	
171+99	47	RT	8	
172+01	47	RT	8	
LINDENHURST DR - 0+00 TO 4+18				
0+87	28	RT	8	
1+22	27	RT	8	
1+73	38	LT	8	
1+92	25	RT	8	
3+06	33	LT	8	
3+15	35	LT	6	
SUB-TOTAL				
			2,120	
30% GROWTH FACTOR				
			636	
TOTAL				
			2,756	

TREE REMOVAL (OVER 15 UNIT DIA)				
STATION	OFFSET		QUANTITY	
	(FOOT)	(LT/RT)		
IL RTE 132 - 64+00 TO 79+00				
72+75	36	RT	34	
IL RTE 132 - 79+00 TO 94+00				
88+85	40	RT	30	
88+89	62	RT	28	
89+43	106	RT	26	
89+63	90	RT	20	
89+75	111	RT	32	
89+93	87	RT	16	
90+16	74	RT	24	
90+24	58	RT	24	
90+39	39	RT	18	
90+40	38	RT	20	
90+90	38	RT	24	
91+36	32	RT	23	
91+60	42	RT	26	
IL RTE 132 - 94+00 TO 108+00				
95+85	38	RT	19	
96+65	38	RT	18	
98+01	41	RT	24	
98+58	41	RT	21	
IL RTE 132 - 108				

DETECTABLE WARNINGS		
STATION FROM	STATION TO	QUANTITY (SQ FT)
ROUTE 132		
70+75.64	79+00	20
79+00	94+00	205
94+00	108+00	90
108+00	121+00	83
121+00	136+00	276
136+00	151+00	258
151+00	166+00	64
166+00	177+07	93
TOTAL		1,089

PAVEMENT REMOVAL		
FROM STATION	TO STATION	AREA (SQ YD)
IL RTE 132		
64+00	79+00	564
79+00	94+00	1,306
94+00	108+00	1,666
108+00	121+00	1,172
121+00	136+00	643
136+00	151+00	816
151+00	166+00	1,437
166+00	172+50	0
SAND LAKE ROAD		249
TEMPORARY PAVEMENT		554
TOTAL		8,406

HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"		
FROM STATION	TO STATION	AREA (SQ YD)
IL RTE 132		
64+00	79+00	4,742
79+00	94+00	6,931
94+00	108+00	5,912
108+00	121+00	5,460
121+00	136+00	8,148
136+00	151+00	7,175
151+00	166+00	6,719
166+00	172+50	3,656
GRANADA BLVD.		
4+00	10+00	2,027
LINDENHURST DR.		
0+00	4+18	1,185
SAND LAKE RD.		
0+00	2+54	1,134
TOTAL		53,089

CURB REMOVAL			
FROM STATION	TO STATION	SIDE	LENGTH FEET
IL RTE 132			
108+00	121+00	LT	170
108+00	121+00	RT	60
121+00	136+00	RT	224
121+00	136+00	LT	686
136+00	151+00	LT	678
SAND LAKE RD.			
0+19	2+53.80	LT	129
TOTAL			1,947

SIDEWALK REMOVAL			
STA.	STA.	OFFSET	QUANTITY (SF)
IL RTE 132			
77+38	77+72	LT	169
78+22	79+00	LT	426
79+00	83+61	LT	2242
83+75	83+98	LT	100
84+12	84+72	LT	286
89+72	-	LT	90
90+45	-	LT	92
143+45	-	LT	195
TOTAL			3,600

LOCATION	UNSUITABLE EXCAVATION* (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MAT. (CU YD)	FURNISHED EXCAVATION (CU YD)
STAGE 1:					
ROUTE 132	15,580	3,425	-3,425	15,580	3,425
GRANADA BOULEVARD	340	34	-34	340	34
LINDENHURST DRIVE	0	0	0	0	0
SUB-TOTAL =					
	15,920	3,459	-3,459	15,920	3,459
STAGE 2:					
ROUTE 132	0	0	0	0	0
GRANADA BOULEVARD	0	0	0	0	0
LINDENHURST DRIVE	0	0	0	0	0
SUB-TOTAL =					
	0	0	0	0	0
STAGE 3:					
ROUTE 132	10,967	2,650	-2,650	10,967	2,650
GRANADA BOULEVARD	0	0	0	0	0
LINDENHURST DRIVE	314	43	-43	314	43
SUB-TOTAL =					
	11,281	2,693	-2,693	11,281	2,693
STAGE 4:					
ROUTE 132	566	0	0	566	0
GRANADA BOULEVARD	0	0	0	0	0
LINDENHURST DRIVE	0	0	0	0	0
SUB-TOTAL =					
	566	0	0	566	0
UNDERCUTS					
ROUTE 132	1,975	0	0	1,975	0
SUB-TOTAL =					
	1,975	0	0	1,975	0
RETAINING WALLS					
ROUTE 132	566	0	0	566	0
SUB-TOTAL =					
	566	0	0	566	0
TOTAL QUANTITY =					
	30,308	6,152	-6,152	30,308	6,152

*ALL CUT MATERIAL SHALL BE HAULED OFF SITE DUE TO NO ON-SITE STORAGE LOCATIONS.

TEMPORARY SOIL RETENTION SYSTEM		
STATION FROM	STATION TO	QUANTITY (SQ FT)
ROUTE 132		
146+50	149+50	1200
146+50	149+50	1200
SAND LAKE ROAD		
0+78	1+55	480
TOTAL		2,880

HOT-MIX ASPHALT SHOULDERS, 6"		
FROM STATION	TO STATION	AREA SQ YD
GRANADA BLVD.		
4+00	10+00	274
LINDENHURST DR.		
0+00	4+18	184
SAND LAKE ROAD		
0+00	2+53.83	63
TOTAL		521

REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
89+56	38' LT	1
91+25	38' LT	1
92+33	37.3' LT	1
93+40	35.2' LT	1
171+20	31.6' RT	1
TOTAL		5

REINFORCED CONCRETE PIPE TEE, 42" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
110+85	0.6' LT	1
111+00	0.9' LT	1
112+50	2.5' LT	1
112+55	2.5' LT	1
114+00	1.6' LT	1
114+05	1.4' LT	1
116+40	0.9' LT	1
116+55	1.0' LT	1
117+95	1.7' LT	1
118+15	1.8' LT	1
120+20	2.4' LT	1
121+10	1.9' LT	1
121+30	1.8' LT	1
124+00	0.3' LT	1
124+05	0.2' LT	1
124+05	0.6' RT	1
125+15	0.7' RT	1
126+65	2.2' RT	1
126+70	2.3' RT	1
128+30	3.9' RT	1
128+45	4.1' RT	1
129+70	4.4' RT	1
129+75	4.4' RT	1
TOTAL		23

REINFORCED CONCRETE PIPE TEE, 30" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
95+95	43.6' RT	1
98+30	40.7' RT	1
100+70	47.2' RT	1
101+10	45.1' RT	1
146+15	34.4' RT	1
TOTAL		5

REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
81+20	38' LT	1
81+90	38' LT	1
83+30	38' LT	1
83+62	38' LT	1
84+80	38' LT	1
86+20	38' LT	1
152+00	30.4' RT	1
156+05	28.9' RT	1
157+85	32' RT	1
158+80	34' RT	1
TOTAL		10

REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
86+90	38' LT	1
88+20	38' LT	1
TOTAL		2

REINFORCED CONCRETE PIPE TEE, 21" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
167+65	28.8' RT	1
169+10	29.5' RT	1
TOTAL		2

REINFORCED CONCRETE PIPE TEE, 36" PIPE WITH 12" RISER		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
102+10	41.2' RT	1
103+60	41.2' RT	1
104+83	30.4' RT	1
105+45	0.1' LT	1
105+55	0.2' LT	1
107+90	0.6' LT	1
109+93	0.6' LT	1
110+20	0.4' LT	1
TOTAL		8

CATCH BASINS TO BE RECONSTRUCTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 132		
122+81	26' LT	1
TOTAL		1

STORM SEWER REMOVAL 4"				
FROM STATION	TO STATION	TO STATION	LENGTH FEET	
IL RTE 132				
165+51	RT	165+52	RT	11
165+53	RT	165+58	RT	12
TOTAL			23	

STORM SEWER REMOVAL 8"				
FROM STATION	TO STATION	TO STATION	LENGTH FEET	
IL RTE 132				
98+53	RT	98+53	RT	20
98+36	RT	98+54	RT	28
TOTAL			48	

STORM SEWER REMOVAL 12"				
FROM STATION	TO STATION	TO STATION	LENGTH FEET	
IL RTE 132				
77+83	LT	78+10	LT	36
78+16	LT	78+36	LT	20
78+39	LT	78+50	LT	12
83+55	LT	83+55	RT	48
83+55	LT	83+61	LT	7
83+66	LT	86+34	LT	268
86+34	LT	86+34	RT	46
86+34	LT	86+36	LT	7
86+39	LT	89+07	LT	268
96+76	RT	96+78	RT	10
98+58	RT	98+58	RT	10
98+76	LT	99+15	LT	40
99+24	LT	99+81	LT	47
100+46	LT	101+19	LT	75
101+28	LT	102+15	LT	87
102+24	LT	102+82	LT	57
102+92	LT	103+88	LT	96
103+88	LT	104+13	LT	25
104+13	LT	104+13	LT	25
104+62	RT	104+71	LT	85
104+68	LT	104+87	LT	19
106+79	LT	106+90	LT	12
106+89	LT	106+89	RT	47
109+16	LT	109+20	RT	47
111+47	LT	111+47	RT	47
111+47	LT	111+47	LT	9
113+68	RT	113+71	LT	48
113+71	LT	113+71	LT	5
118+80	RT	118+80	LT	47
121+86	RT	122+03	LT	50
122+03	LT	122+03	RT	9
122+90	LT	124+66	LT	177
124+64	LT	124+66	RT	47
124+64	LT	124+69	LT	12
127+37	LT	127+37	RT	60
127+37	LT	127+37	LT	5
127+37	RT	127+42	RT	15
132+11	RT	132+11	LT	47
132+11	LT	132+11	LT	14
134+60	LT	134+71	LT	13
134+71	LT	134+71	RT	47
136+87	LT	136+87	RT	47
136+87	LT	136+87	LT	21
137+95	LT	138+10	LT	15
138+10	LT	138+20	LT	11
138+20	LT	138+80	LT	59
144+03	RT	145+34	RT	131
145+34	RT	146+52	RT	207
145+39	RT	145+39	LT	46
147+59	LT	147+90	LT	33
147+90	LT	148+09	LT	18
147+90	RT	148+10	RT	20
150+33	RT	150+33	LT	48
152+63	LT	152+63	RT	47
152+63	RT	152+63	RT	4
162+43	RT	162+58	RT	15
165+02	LT	165+17	LT	21
165+22	LT	165+78	LT	56
165+78	LT	165+89	LT	8
LINDENHURST				
1+29	LT	1+64	LT	36
3+45	LT	3+74	LT	29
SAND LAKE				
1+06	LT	1+34	LT	40
TEMPORARY PIPES				
TOTAL				3,103

DRIVEWAY QUANTITY SCHEDULE table with columns: STATION, OFFSET, EXISTING PAVEMENT REMOVAL AND TYPE, DRIVEWAY PAVEMENT REMOVAL (SQ. YD.), HOT-MIX ASPHALT BASE COURSE 6 INCHES (SQ. YD.), HOT-MIX ASPHALT BASE COURSE 8 INCHES (SQ. YD.), HOT-MIX ASPHALT SURFACE COURSE MIX D, N50, 2 IN (TON), TEMP ACCESS (EACH). Rows include station ranges like IL RTE 132 - STA. 64+00 TO STA. 79+00 and individual station entries with pavement details.

DRIVEWAY QUANTITY SCHEDULE table with columns: STATION, OFFSET, EXISTING PAVEMENT STRUCTURE AND TYPE, DRIVEWAY PAVEMENT REMOVAL (SQ. YD.), HOT-MIX ASPHALT BASE COURSE 6 INCHES (SQ. YD.), HOT-MIX ASPHALT BASE COURSE 8 INCHES (SQ. YD.), HOT-MIX ASPHALT SURFACE COURSE MIX D, N50, 2 IN (TON), TEMP ACCESS (EACH). Rows include station ranges like IL RTE 132 - STA. 166+00 TO STA. 177+07 and GRANADA BLVD - STA. 0+00 TO STA. 4+00.

MANHOLES TO BE ADJUSTED table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with manhole details.

VALVE VAULTS TO BE ADJUSTED table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with valve vault details.

VALVE BOXES TO BE ADJUSTED table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with valve box details.

FRAMES AND LIDS, TYPE 1, CLOSED LID table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with frame and lid details.

FRAMES AND GRATES, TYPE 23 table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with frame and grate details.

REMOVING MANHOLES table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with manhole removal details.

REMOVING CATCH BASINS table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with catch basin removal details.

SANITARY MANHOLES TO BE RECONSTRUCTED table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with manhole reconstruction details.

REMOVING INLETS table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with inlet removal details.

REMOVING MANHOLES TO MAINTAIN FLOW table with columns: STATION, OFFSET (FEET), QUANTITY (EACH). Rows include station ranges like IL RTE 132 and individual station entries with manhole maintenance details.

FILE NAME = *FILE# USER NAME = *USER# DESIGNED - BDH REVISIONS -

DRAWN - BCD REVISED - CHECKED - BDH REVISED - PLOT SCALE = *SCALE# DATE - 1/29/2018

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 541 A-WRS-2 LAKE 345 30 CONTRACT NO. 60V55 ILLINOIS FED. AID PROJECT

SIGN SCHEDULE							
STATION	SIDE	SIGN DESCRIPTION	WIDTH (IN)	DEPTH (IN)	SIGN PANEL, TYPE 1 (SQ FT)	TUBULAR TRAFFIC POST (EA)	POST LENGTH TYPE B (FT)
STA. 64+00 TO STA. 79+00							
70+76	RT	45 MPH	30	36	7.5	-	14
72+21	LT	NO PARKING	24	24	4	-	13
72+21	RT	NO PARKING	24	24	4	-	13
75+80	LT	LT ONLY	24	30	5	-	13.5
76+59	LT	45 MPH	30	36	7.5	-	14
76+97	LT	STAY RT - THIN	18	30	3.75	1	-
STA. 79+00 TO STA. 94+00							
79+02	RT	STAY RT - THIN	18	30	3.75	1	-
80+19	RT	LT ONLY	24	30	5	-	13.5
83+42	LT	NO LEFT	30	30	6.25	-	13.5
83+46	LT	RT ONLY	30	36	7.5	-	14
83+57	LT	STOP	36	36	9	-	14
83+61	RT	STAY RT	24	30	5	-	13.5
84+08	RT	STOP	36	36	9	-	14
84+36	RT	STAY RT - THIN	18	30	3.75	1	-
85+77	RT	LT ONLY	24	30	5	-	13.5
86+46	LT	45 MPH	30	36	7.5	-	14
86+61	RT	40 MPH	30	36	7.5	-	14
87+46	LT	NO PARKING	24	24	4	-	13
88+10	LT	LT ONLY	24	30	5	-	13.5
88+90	RT	RT CURVE	36	36	9	-	14
89+22	LT	STAY RT - THIN	18	30	3.75	1	-
89+71	LT	STOP	36	36	9	-	14
90+08	LT	STAY RT	24	30	5	-	13.5
90+95	RT	STAY RT - THIN	18	30	3.75	1	-
92+07	RT	LT / U TURN	24	30	5	-	13.5
92+98	RT	NO PARKING	24	24	4	-	13
STA. 94+00 TO STA. 108+00							
96+75	LT	STOP	36	36	9	-	14
96+90	LT	ONE WAY	24	30	5	-	13.5
100+40	RT	40 MPH	30	36	7.5	-	14
100+44	LT	40 MPH	30	36	7.5	-	14
102+54	LT	LT / U TURN	24	30	5	-	13.5
102+70	LT	LT CURVE	36	36	9	-	16
102+70	LT	NO PARKING	24	24	4	-	13
103+65	LT	STAY RT - THIN	18	30	3.75	1	-
104+16	LT	STOP	36	36	9	-	14
105+39	RT	STAY RT - THIN	18	30	3.75	1	-
106+37	RT	NO PARKING	24	24	4	-	13
106+48	RT	LT / U TURN	24	30	5	1	-
107+72	LT	U TURN ONLY	24	30	5	1	-
STA. 108+00 TO STA. 121+00							
108+86	LT	STAY RT - THIN	18	30	3.75	1	-
109+90	LT	STAY RT	24	30	5	-	13.5
112+34	LT	LT ONLY	24	30	5	-	13.5
113+62	LT	STAY RT - THIN	18	30	3.75	1	-
115+29	RT	STAY RT - THIN	18	30	3.75	1	-
115+67	RT	35 MPH	30	36	7.5	-	14
115+67	LT	40 MPH	30	36	7.5	-	14
116+41	RT	U TURN ONLY	24	30	5	-	13.5
117+44	RT	NO PARKING	24	24	4	-	13
117+77	LT	NO PARKING	24	24	4	-	13
120+49	LT	LT / U TURN	24	30	5	-	13.5
STA. 121+00 TO STA. 136+00							
121+61	LT	STAY RT - THIN	18	30	3.75	1	-
122+01	RT	COUNTY RT	24	24	4	-	15
122+01	RT	RT ARROW	21	15	2.1875	-	-
122+01	RT	GRANADA	36	9	2.25	-	-
123+56	RT	STAY RT - THIN	18	30	3.75	1	-
123+64	RT	35 MPH	30	36	7.5	-	14
124+40	LT	COUNTY RT	24	24	4	-	15
124+40	LT	LT ARROW	21	15	2.1875	-	-
124+40	LT	GRANADA	36	9	2.25	-	-
126+57	LT	STAY RT - THIN	18	30	3.75	1	-
128+17	RT	STAY RT - THIN	18	30	3.75	1	-
129+23	RT	LT / U TURN	24	30	5	1	-
129+65	RT	NO PARKING	24	24	4	-	13
129+65	LT	NO PARKING	24	24	4	-	13
130+47	LT	LT / U TURN	24	30	5	1	-
131+63	LT	STAY RT - THIN	18	30	3.75	1	-
133+40	RT	STAY RT - THIN	18	30	3.75	1	-
134+99	LT	35 MPH	30	36	7.5	-	14
STA. 136+00 TO STA. 151+00							
136+83	RT	COUNTY RT	24	24	4	-	15
136+83	RT	SAND LAKE	36	9	2.25	-	-
136+83	RT	LT ARROW	21	15	2.1875	-	-
137+15	LT	STAY RT - THIN	18	30	3.75	1	-
138+61	LT	COUNTY RT	24	24	4	-	15
138+61	LT	SAND LAKE	36	9	2.25	-	-
138+61	LT	RT ARROW	21	15	2.1875	-	-
138+64	RT	NO PARKING	24	24	4	-	13
139+06	LT	STAY RT - THIN	18	30	3.75	1	-
140+18	LT	U TURN ONLY	24	30	5	-	13.5
140+35	RT	NO PARKING	24	24	4	-	13
141+84	LT	NO PARKING	24	24	4	-	13
142+43	LT	LT / U TURN	24	30	5	-	13.5
143+55	LT	STAY RT - THIN	18	30	3.75	1	-
144+80	RT	STOP	36	36	9	-	14
145+19	RT	STAY RT - THIN	18	30	3.75	1	-
145+28	RT	NO PARKING	24	24	4	-	13
146+19	RT	40 MPH	30	36	7.5	-	14
146+19	LT	35 MPH	30	36	7.5	-	14

SIGN SCHEDULE							
STATION	SIDE	SIGN DESCRIPTION	WIDTH (IN)	DEPTH (IN)	SIGN PANEL, TYPE 1 (SQ FT)	TUBULAR TRAFFIC POST (EA)	POST LENGTH TYPE B (FT)
STA. 151+00 TO STA. 166+00							
152+67	LT	U TURN ONLY	24	30	5	-	13.5
153+83	LT	STAY RT - THIN	18	30	3.75	1	-
155+06	RT	STOP	36	36	9	-	14
155+55	RT	STAY RT - THIN	18	30	3.75	1	-
155+60	RT	NO PARKING	24	24	4	-	16
155+60	RT	RT CURVE	36	36	9	-	-
156+97	RT	LT / U TURN	24	30	5	-	13.5
159+38	RT	40 MPH	30	36	7.5	-	14
159+38	LT	40 MPH	30	36	7.5	-	14
163+59	RT	LT / U TURN	24	30	5	-	13.5
164+14	LT	NO PARKING	24	24	4	-	13
165+00	LT	STAY RT - THIN	18	30	3.75	1	-
165+22	RT	STOP	36	36	9	-	14
STA. 166+00 TO STA. 180+50							
166+56	RT	CENTER LANE	24	36	6	-	14
167+90	LT	LT CURVE	36	36	9	-	14
168+48	LT	NO PARKING	24	24	4	-	13
168+83	LT	STOP	36	36	9	-	14
171+50	LT	CENTER LANE	24	36	6	-	14
172+49	LT	40 MPH	30	36	7.5	-	14
GRANADA BLVD.							
6+78	RT	RT ONLY	30	36	7.5	-	14
8+82	LT	NO PARKING	24	24	4	-	13
9+14	RT	END	24	12	2	-	14
9+14	RT	COUNTY RT	24	24	4	-	14
9+19	RT	IL 132	24	30	5	-	15.5
9+19	RT	GRAND AVE.	30	9	1.875	-	-
9+19	RT	LT/RT ARROW	21	15	2.1875	-	-
LINDENHURST DR.							
0+85	LT	IL 132	24	30	5	-	15.5
0+85	LT	GRAND AVE.	30	9	1.875	-	-
0+85	LT	LT/RT ARROW	21	15	2.1875	-	-
1+12	RT	NO PARKING	24	24	4	-	13
SAND LAKE RD.							
0+68	LT	END	24	12	2	-	12.75
0+68	LT	COUNTY RT	30	9	1.875	-	-
0+68	LT	IL 132	24	30	5	-	15.5
0+68	LT	GRAND AVE.	30	9	1.875	-	-
0+68	LT	LT/RT ARROW	21	15	2.1875	-	-
2+44	LT	RT ONLY	30	36	7.5	-	14
MUNN RD.							
1+02	RT	NO PARKING	24	24	4	-	13
TOTAL					637	28	1130

CONCRETE CURB, TYPE B			
STATION	TO	SIDE	QUANTITY (FEET)
ROUTE 132			
79+00	94+00	RT	22
94+00	108+00	LT	47
108+00	121+00	LT	386
108+00	121+00	RT	76
121+00	136+00	LT	1015
121+00	136+00	RT	318
136+00	151+00	LT	648
151+00	166+00	RT	34
SAND LAKE ROAD			
0+00	2+53.80	LT	222
TOTAL			2,768

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)			
STATION	TO	SIDE	QUANTITY (FEET)
ROUTE 132			
70+75.64	79+00	MED	736
79+00	94+00	MED	1579
94+00	108+00	MED	1714
108+00	121+00	MED	1366
136+00	151+00	MED	953
151+00	166+00	MED	1677
TOTAL			8,025

CONCRETE MEDIAN, TYPE SB-6.12			
STATION	TO	SIDE	QUANTITY (SQ FT)
ROUTE 132			
64+00	79+00	MED	471
79+00	94+00	MED	1839
94+00	108+00	MED	1750
108+00	121+00	MED	1437
121+00	136+00	MED	3828
136+00	151+00	MED	2244
151+00	166+00	MED	1510
166+00	172+50	MED	0
TOTAL			13,079

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12			
STATION	TO	SIDE	QUANTITY (FEET)
ROUTE 132			
79+00	94+00	LT	249
136+00	151+00	LT	130
151+00	166+00	LT	51
166+00	177+07	LT	45
LINDENHURST DRIVE			
0+00	4+18	RT	48
TOTAL			523

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24			
STATION	TO	SIDE	QUANTITY (FEET)
ROUTE 132			
70+75.64	79+00	LT	841
70+75.64	79+00	RT	834
79+00	94+00	LT	1478
79+00	94+00	RT	1532
94+00	108+00	LT	1425
94+00	108+00		

PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG							
SCIENTIFIC NAME	COMMON NAME	SIZE	QUANTITY (UNITS)	BASIN @ STATION 134+00 TO 137+00 RT	OUTLET AT STA. 146+50 RT	BASIN @ STATION 150+00 TO 151+50 RT	PLANTING DEPTH @ NORMAL WATER LEVEL (NWL)
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	PLUG	0.3	0.3	0	0	0-6" above nwl
CALAMAGROSTIS CANADENSIS	BLUE JOINT GRASS	PLUG	0.5	0.3	0	0.2	0" (@ nwl)
CAREX CRISTATELLA	CRESTED OVAL SEDGE	PLUG	0.3	0.3	0	0	0" (@ nwl)
CAREX LACUSTRIS	COMMON LAKE SEDGE	PLUG	0.3	0.3	0	0	0-3" below nwl
CAREX STIPATA	COMMON FOX SEDGE	PLUG	0.5	0.3	0	0.2	0" (@ nwl)
CAREX STRICTA	COMMON TUSsock SEDGE	PLUG	0.3	0.3	0	0	0" (@ nwl)
CAREX TRICHOCARPA	HAIRY-FRUITED LAKE SEDGE	PLUG	0.3	0.3	0	0	0" (@ nwl)
CAREX VULPINOIDEA	BROWN FOX SEDGE	PLUG	0.3	0.3	0	0	0" (@ nwl)
ELEOCHARIS ACICULARIS	NEEDLE SPIKE RUSH	PLUG	0.5	0	0.5	0	0-6" above nwl
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	PLUG	0.3	0.3	0	0	0-6" above nwl
GLYCERIA STRIATA	FOWL MANNA GRASS	PLUG	0.3	0.3	0	0	0" (@ nwl)
IRIS VIRGINICA SHREVERI	BLUE FLAG	PLUG	0.3	0.3	0	0	3-6" below nwl
LIATRIS SPICATA	MARSH BLAZINGSTAR	PLUG	0.3	0.3	0	0	0" (@ nwl)
PONTEDERIA CORDATA	PICKEREL WEED	PLUG	0.3	0.3	0	0	3-6" below nwl
SAGITTARIA LATIFOLIA	COMMON ARROW-HEAD	PLUG	0.3	0.3	0	0	3-6" below nwl
SCIRPUS ACUTUS	HARD-STEMMED BULRUSH	PLUG	1	0.3	0.5	0.2	3-6" below nwl
SCIRPUS ATROVIRENS	DARK GREEN BULRUSH	PLUG	0.3	0.3	0	0	0-3" below nwl
SCIRPUS CYPERINUS	WOOL GRASS	PLUG	0.5	0.3	0	0.2	0-3" below nwl
SCIRPUS PUNGENS	CHAIRMAKER'S RUSH	PLUG	0.3	0.3	0	0	3-6" below nwl
SCIRPUS VALIDUS CREBER	GREAT BULRUSH	PLUG	0.3	0.3	0	0	3-6" below nwl
SPARTINA PECTINATA	PRAIRIE CORD GRASS	PLUG	1	0.3	0.5	0.2	0" (@ nwl)
VERBENA HASTATA	BLUE VERVAIN	PLUG	0.3	0.3	0	0	0-3" below nwl
ZIZIA AUREA	GOLDEN ALEXANDERS	PLUG	0.3	0.3	0	0	0-6" above nwl
TOTAL			9.1				

PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT		
SCIENTIFIC NAME	COMMON NAME	QUANTITY (UNITS)
ACHILLEA X 'MOONSHINE'	GOLDEN YARROW	1.74
HEMEROCALLIS 'STELLA DE ORO'	'STELLA DE ORO' DAYLILY	5.29
LEUCANTHEMUM 'SUPERBUM'	SHASTA DAISY	0.74
NEPETA FAASSENII 'WALKER'S LOW'	CATMINT	0.72
PANICUM VIRGATUM 'SHENANDOAH'	RED SWITCH GRASS	2.15
RUDBECKIA FULGIDA 'GOLDSTRUM'	BLACKEYED SUSAN	0.72
SYMPHYOTRICHUM NOVAE-ANGLIAE 'PURPLE DOME'	'PURPLE DOME' ASTER	1.90
TOTAL		13.3

STORM SEWERS TO BE CLEANED 36"			
STATION		QUANTITY (FOOT)	
FROM	TO		
ROUTE 132			
64+00	79+00	0	
79+00	94+00	0	
94+00	108+00	0	
108+00	121+00	0	
121+00	136+00	1023	
136+00	151+00	87	
151+00	166+00	0	
166+00	172+50	0	
TOTAL		1,110	

BOX CULVERTS TO BE CLEANED			
STATION		QUANTITY (FOOT)	
FROM	TO		
ROUTE 132			
64+00	79+00	0	
79+00	94+00	0	
94+00	108+00	0	
108+00	121+00	0	
121+00	136+00	0	
136+00	151+00	159	
151+00	166+00	0	
166+00	172+50	0	
TOTAL		159	

INLETS TO BE ADJUSTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 132		
86+35	24' RT	1
106+89	24' RT	1
109+19	24' RT	1
111+47	24' RT	1
118+80	24' RT	1
121+86	24' RT	1
122+42	63' RT	1
124+66	24' RT	1
137+92	24' RT	1
TOTAL		9

FRAMES AND LIDS, TYPE 1, OPEN LID		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 132		
86+35	24' RT	1
106+89	24' RT	1
109+19	24' RT	1
111+47	24' RT	1
118+80	24' RT	1
121+86	24' RT	1
124+66	24' RT	1
TOTAL		7

FILLING INLETS		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 132		
86+35	24' RT	1
106+89	24' RT	1
109+19	24' RT	1
111+47	24' RT	1
118+80	24' RT	1
121+86	24' RT	1
124+66	24' RT	1
TOTAL		7

REMOVING INLETS TO MAINTAIN FLOW		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 132		
169+26	34' LT	1
TOTAL		1

CONCRETE HEADWALLS FOR PIPE DRAINS		
STATION	(LT/RT)	(EACH)
IL RTE 165+92		
165+92	RT	1
TOTAL		1

RELOCATE EXISTING LIGHTING UNIT, SPECIAL		
STATION	(LT/RT)	(EACH)
IL RTE 90+08		
90+08	LT	1
TOTAL		1

FILE NAME =	USER NAME = *USER*	DESIGNED - BDH	REVISED -
*FILE#		DRAWN - BCD	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - BDH	REVISED -
	PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET NO.	OF SHEETS	STA. TO STA.

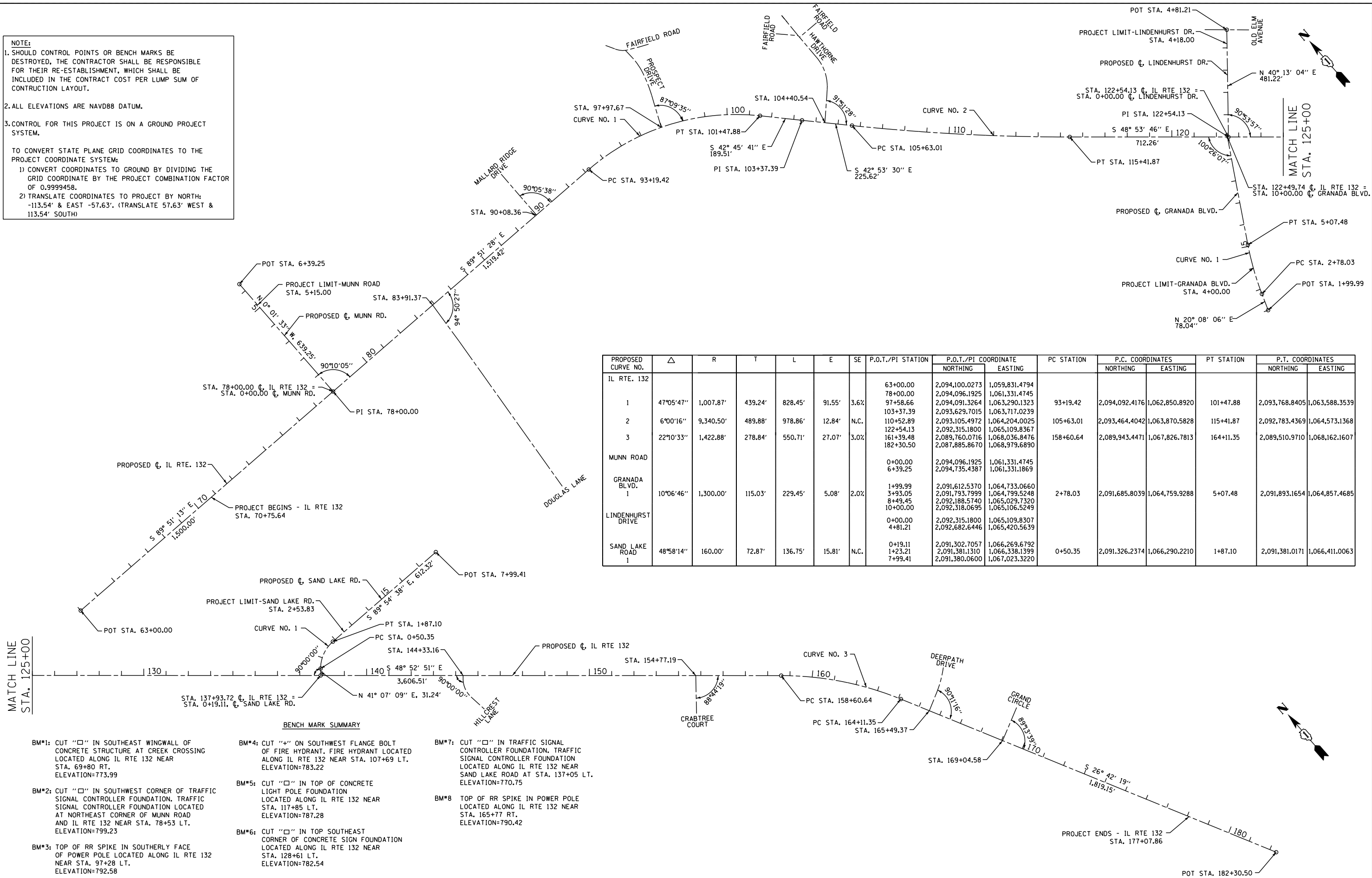
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	32
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

NOTE:

1. SHOULD CONTROL POINTS OR BENCH MARKS BE DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RE-ESTABLISHMENT, WHICH SHALL BE INCLUDED IN THE CONTRACT COST PER LUMP SUM OF CONSTRUCTION LAYOUT.
2. ALL ELEVATIONS ARE NAVD88 DATUM.
3. CONTROL FOR THIS PROJECT IS ON A GROUND PROJECT SYSTEM.

TO CONVERT STATE PLANE GRID COORDINATES TO THE PROJECT COORDINATE SYSTEM:

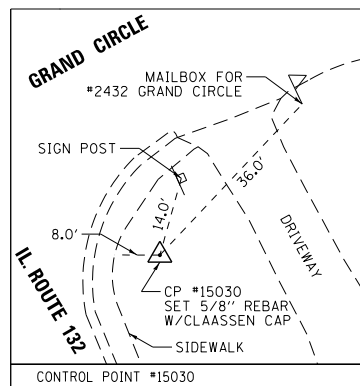
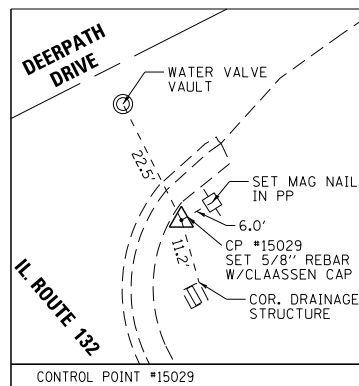
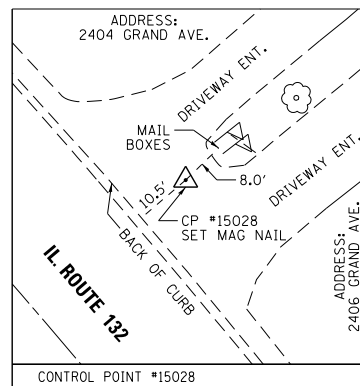
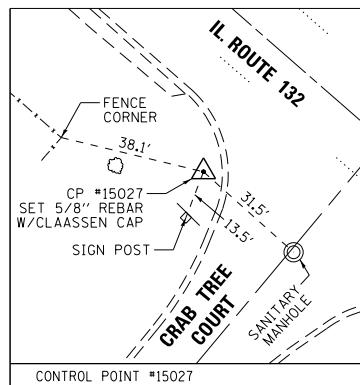
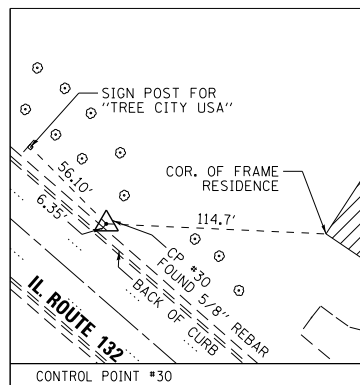
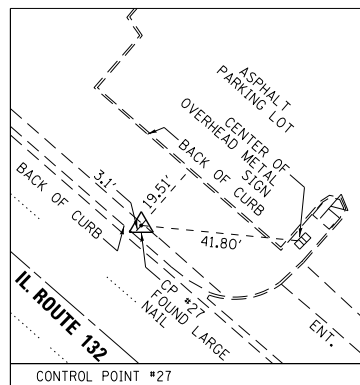
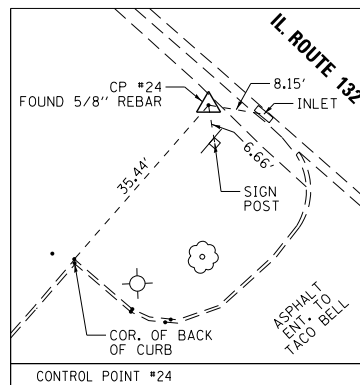
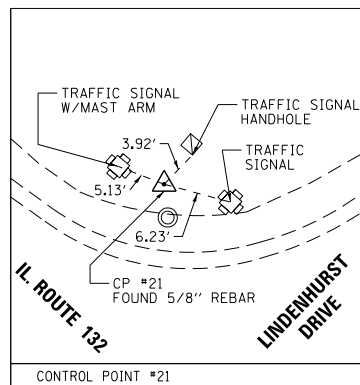
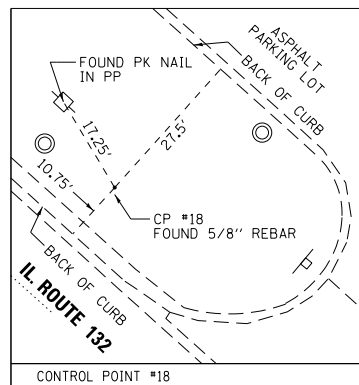
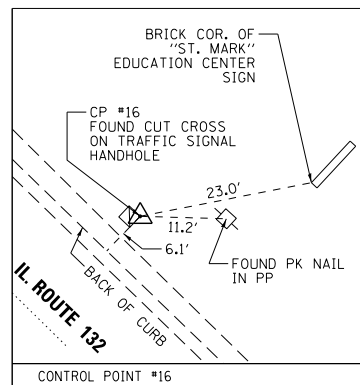
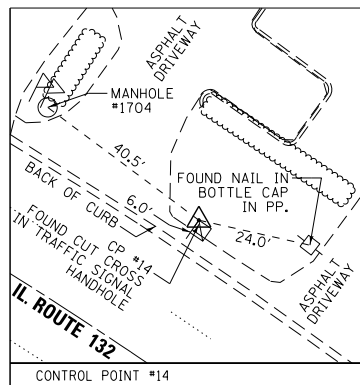
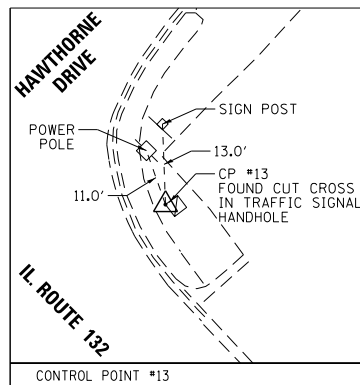
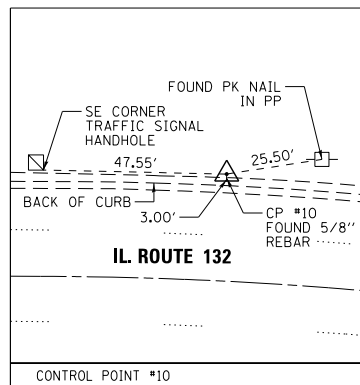
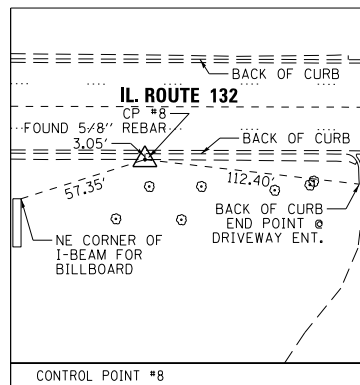
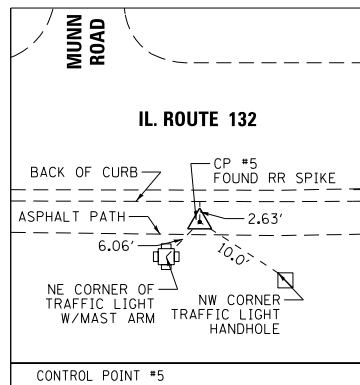
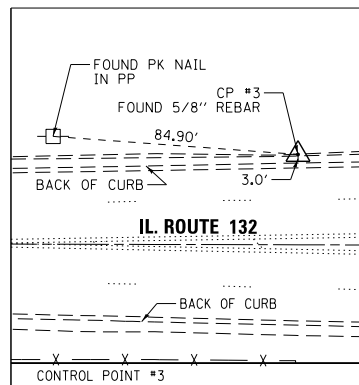
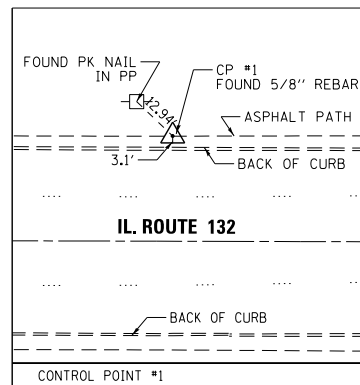
- 1) CONVERT COORDINATES TO GROUND BY DIVIDING THE GRID COORDINATE BY THE PROJECT COMBINATION FACTOR OF 0.9999458.
- 2) TRANSLATE COORDINATES TO PROJECT BY NORTH: -113.54' & EAST -57.63'. (TRANSLATE 57.63' WEST & 113.54' SOUTH)



PROPOSED CURVE NO.	Δ	R	T	L	E	SE	P.O.T./PI STATION	P.O.T./PI COORDINATE		PC STATION	P.C. COORDINATES		PT STATION	P.T. COORDINATES		
								NORTHING	EASTING		NORTHING	EASTING		NORTHING	EASTING	
IL RTE. 132	1	47°05'47"	1,007.87'	439.24'	828.45'	91.55'	3.6%	63+00.00	2,094,100.0273	1,059,831.4794	93+19.42	2,094,092.4176	1,062,850.8920	101+47.88	2,093,768.8405	1,063,588.3539
								78+00.00	2,094,096.1925	1,061,331.4745						
								97+58.66	2,094,091.3264	1,063,290.1323						
2	6°00'16"	9,340.50'	489.88'	978.86'	12.84'	N.C.	103+37.39	2,093,629.7015	1,063,717.0239	105+63.01	2,093,464.4042	1,063,870.5828	115+41.87	2,092,783.4369	1,064,573.1368	
							110+52.89	2,093,105.4972	1,064,204.0025							
							122+54.13	2,092,315.1800	1,065,109.8367							
3	22°10'33"	1,422.88'	278.84'	550.71'	27.07'	3.0%	161+39.48	2,089,760.0716	1,068,036.8476	158+60.64	2,089,943.4471	1,067,826.7813	164+11.35	2,089,510.9710	1,068,162.1607	
							182+30.50	2,087,885.8670	1,068,979.6890							
MUNN ROAD							0+00.00	2,094,096.1925	1,061,331.4745							
GRANADA BLVD. 1							6+39.25	2,094,735.4387	1,061,331.1869							
LINDENHURST DRIVE	1	10°06'46"	1,300.00'	115.03'	229.45'	5.08'	2.0%	1+99.99	2,091,612.5370	1,064,733.0660	2+78.03	2,091,685.8039	1,064,759.9288	5+07.48	2,091,893.1654	1,064,857.4685
								3+93.05	2,091,793.7999	1,064,799.5248						
								8+49.45	2,092,188.5740	1,065,029.7320						
SAND LAKE ROAD 1	1	48°58'14"	160.00'	72.87'	136.75'	15.81'	N.C.	10+00.00	2,092,318.0695	1,065,106.5249	0+50.35	2,091,326.2374	1,066,290.2210	1+87.10	2,091,381.0171	1,066,411.0063
								1+23.21	2,091,302.7057	1,066,269.6792						
								7+99.41	2,091,381.1310	1,067,023.3220						

BENCH MARK SUMMARY

<p>BM#1: CUT "□" IN SOUTHEAST WINGWALL OF CONCRETE STRUCTURE AT CREEK CROSSING LOCATED ALONG IL RTE 132 NEAR STA. 69+80 RT. ELEVATION=773.99</p> <p>BM#2: CUT "□" IN SOUTHWEST CORNER OF TRAFFIC SIGNAL CONTROLLER FOUNDATION. TRAFFIC SIGNAL CONTROLLER FOUNDATION LOCATED AT NORTHEAST CORNER OF MUNN ROAD AND IL RTE 132 NEAR STA. 78+53 LT. ELEVATION=799.23</p> <p>BM#3: TOP OF RR SPIKE IN SOUTHERLY FACE OF POWER POLE LOCATED ALONG IL RTE 132 NEAR STA. 97+28 LT. ELEVATION=792.58</p>	<p>BM#4: CUT "4" ON SOUTHWEST FLANGE BOLT OF FIRE HYDRANT. FIRE HYDRANT LOCATED ALONG IL RTE 132 NEAR STA. 107+69 LT. ELEVATION=783.22</p> <p>BM#5: CUT "□" IN TOP OF CONCRETE LIGHT POLE FOUNDATION LOCATED ALONG IL RTE 132 NEAR STA. 117+85 LT. ELEVATION=787.28</p> <p>BM#6: CUT "□" IN TOP SOUTHEAST CORNER OF CONCRETE SIGN FOUNDATION LOCATED ALONG IL RTE 132 NEAR STA. 128+61 LT. ELEVATION=782.54</p>	<p>BM#7: CUT "□" IN TRAFFIC SIGNAL CONTROLLER FOUNDATION. TRAFFIC SIGNAL CONTROLLER FOUNDATION LOCATED ALONG IL RTE 132 NEAR SAND LAKE ROAD AT STA. 137+05 LT. ELEVATION=770.75</p> <p>BM#8: TOP OF RR SPIKE IN POWER POLE LOCATED ALONG IL RTE 132 NEAR STA. 165+77 RT. ELEVATION=790.42</p>
---	---	---



NOTE:

- SHOULD CONTROL POINTS OR BENCH MARKS BE DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RE-ESTABLISHMENT, WHICH SHALL BE INCLUDED IN THE CONTRACT COST PER LUMP SUM OF CONSTRUCTION LAYOUT.
- ALL ELEVATIONS ARE NAVD88 DATUM.
- CONTROL FOR THIS PROJECT IS ON A GROUND PROJECT SYSTEM.

TO CONVERT STATE PLANE GRID COORDINATES TO THE PROJECT COORDINATE SYSTEM:

- CONVERT COORDINATES TO GROUND BY DIVIDING THE GRID COORDINATE BY THE PROJECT COMBINATION FACTOR OF 0.9999458.
- TRANSLATE COORDINATES TO PROJECT BY NORTH: -113.54' & EAST -57.63'. (TRANSLATE 57.63' WEST & 113.54' SOUTH)

POINT:	NORTHING:	EASTING:	ELEVATION:	DESCRIPTION:
1	2,094,127.42937	1,059,832.42504	776.19	112/828 5/8" REBAR
3	2,094,128.84422	1,060,831.41966	780.79	105/828 5/8" REBAR
5	2,094,062.61195	1,0613,72.09779	798.34	112/838 RR SPIKE
8	2,094,066.13104	1,062,331.52289	797.14	112/828 5/8" REBAR
10	2,094,119.06081	1,062,899.36275	794.67	105/828 5/8" REBAR
13	2,093,547.68329	1,063,837.75546	782.85	105/777 CUT CROSS
14	2,093,948.65248	1,063,424.57794	789.08	112/777 CUT CROSS
16	2,093,138.45979	1,064,232.84124	782.92	105/777 CUT CROSS
18	2,092,913.61548	1,064,480.04964	782.97	105/828 5/8" REBAR
21	2,092,366.08760	1,065,104.28028	781.97	112/828 5/8" REBAR
24	2,091,669.82638	1,065,805.29855	782.84	105/828 5/8" REBAR
27	2,091,124.27315	1,066,515.90084	773.88	105/809 SPIKE NAIL
30	2,090,442.38754	1,067,301.99099	773.07	112/828 5/8" REBAR
15027	2,090,187.38057	1,067,491.17944	784.49	105/828 5/8" REBAR
15028	2,089,821.50731	1,067,996.37914	791.76	105/809 MAG NAIL
15029	2,089,380.43782	1,068,273.71308	790.79	105/809 PK NAIL
15030	2,089,059.45048	1,068,433.45102	794.91	112/828 5/8" REBAR

POINT:	NORTHING:	EASTING:	ELEVATION:	DESCRIPTION:
1	2,094,127.46150	1,059,832.60900	776.19	112/828 5/8" REBAR
3	2,094,128.87627	1,060,831.54947	780.79	105/828 5/8" REBAR
5	2,094,062.64760	1,061,372.19830	798.34	112/838 RR SPIKE
8	2,094,066.16650	1,062,331.57140	797.14	112/828 5/8" REBAR
10	2,094,119.09339	1,062,899.38048	794.67	105/828 5/8" REBAR
13	2,093,547.74684	1,063,837.72232	782.85	105/777 CUT CROSS
14	2,093,948.69430	1,063,424.56720	789.08	112/777 CUT CROSS
16	2,093,138.44552	1,064,232.78669	782.92	105/777 CUT CROSS
18	2,092,913.71341	1,064,479.98170	782.97	105/828 5/8" REBAR
21	2,092,366.21520	1,065,104.17850	781.97	112/828 5/8" REBAR
24	2,091,669.99171	1,065,805.15878	782.84	105/828 5/8" REBAR
27	2,091,124.46806	1,066,515.72255	773.88	105/809 SPIKE NAIL
30	2,090,442.61940	1,067,301.77010	773.07	112/828 5/8" REBAR
15027	2,090,187.62625	1,067,490.94829	784.49	105/828 5/8" REBAR
15028	2,089,821.77282	1,067,996.12061	791.76	105/809 MAG NAIL
15029	2,089,380.43782	1,068,273.43952	790.79	105/809 PK NAIL
15030	2,089,059.75730	1,068,433.16880	794.91	112/828 5/8" REBAR

FILE NAME =	USER NAME = \$USER\$	DESIGNED - -	REVISED - -
\$FILE\$		DRAWN - JLS	REVISED - -
	PLOT SCALE = \$SCALE\$	CHECKED - -	REVISED - -
	PLOT DATE = \$DATE\$	DATE - 4/28/2017	REVISED - -

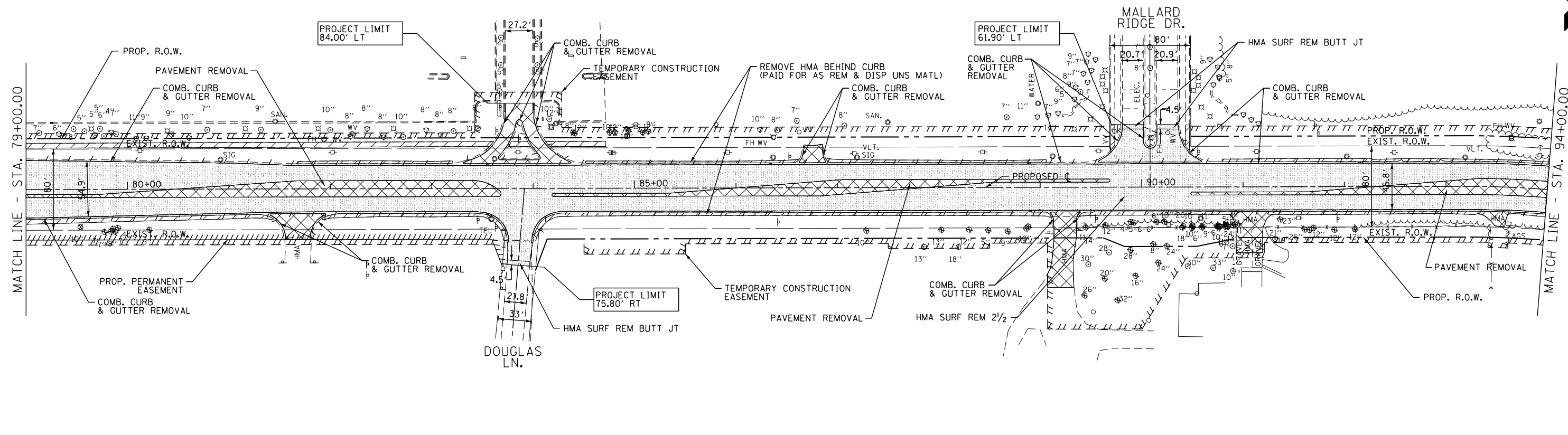
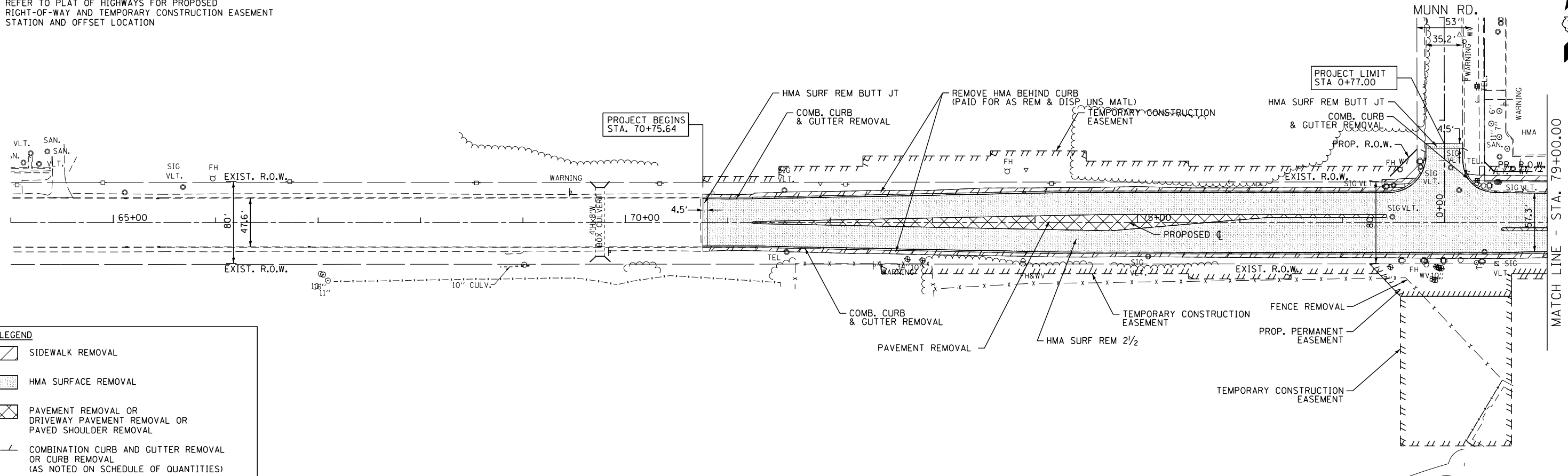
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONTROL POINTS AND TIES

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

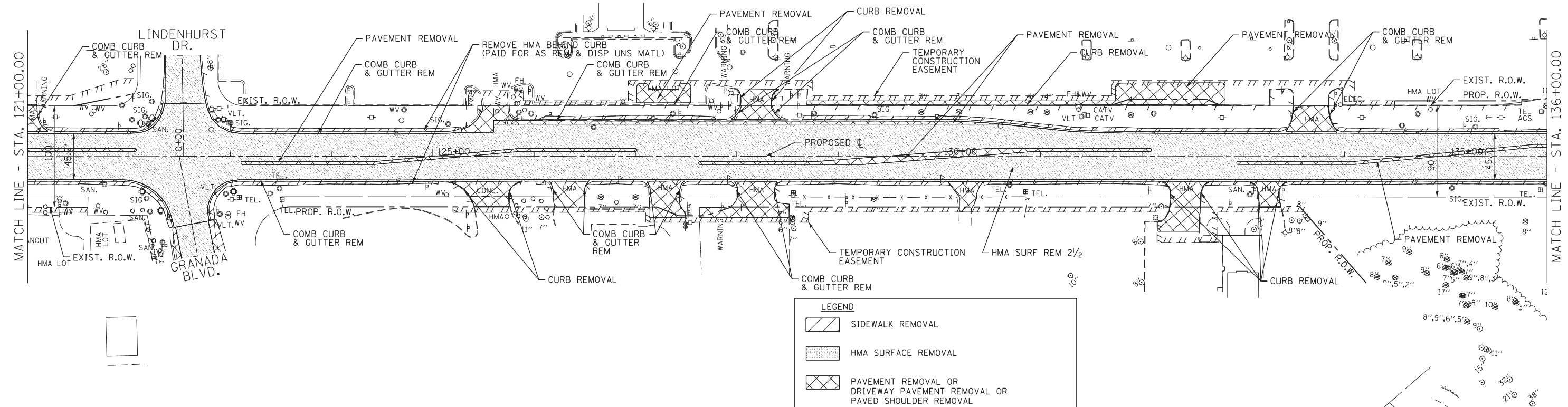
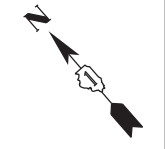
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	34
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED
 RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT
 STATION AND OFFSET LOCATION



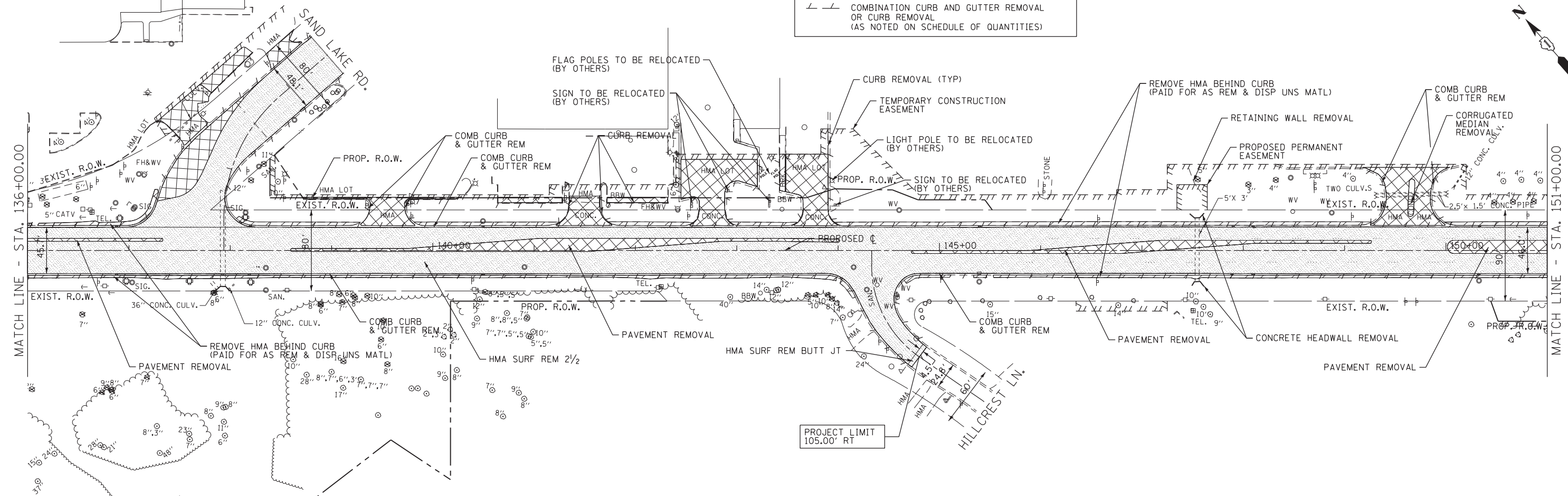
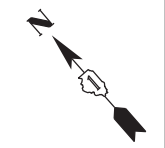
FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - BCD	REVISED -		541	A-WRS-2	LAKE	345	35			
	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -		CONTRACT NO. 60V55							
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 64+00.00	TO	STA. 94+00.00	ILLINOIS FED. AID PROJECT

NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED
 RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT
 STATION AND OFFSET LOCATION



LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL OR DRIVEWAY PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL OR CURB REMOVAL (AS NOTED ON SCHEDULE OF QUANTITIES)



FILE NAME =
 *FILEL#
 *MODELNAME#

USER NAME = *USER#
 PLOT SCALE = *SCALE#
 PLOT DATE = *DATE#

DESIGNED - BLG
 DRAWN - BCD
 CHECKED - BDH
 DATE - 1/29/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

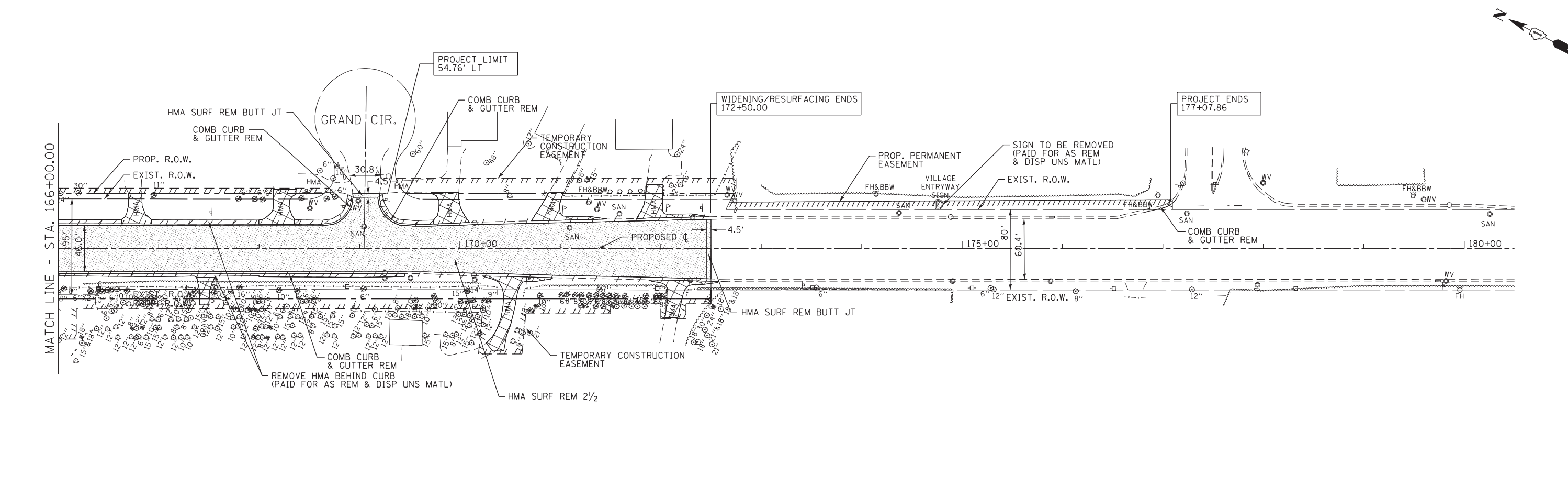
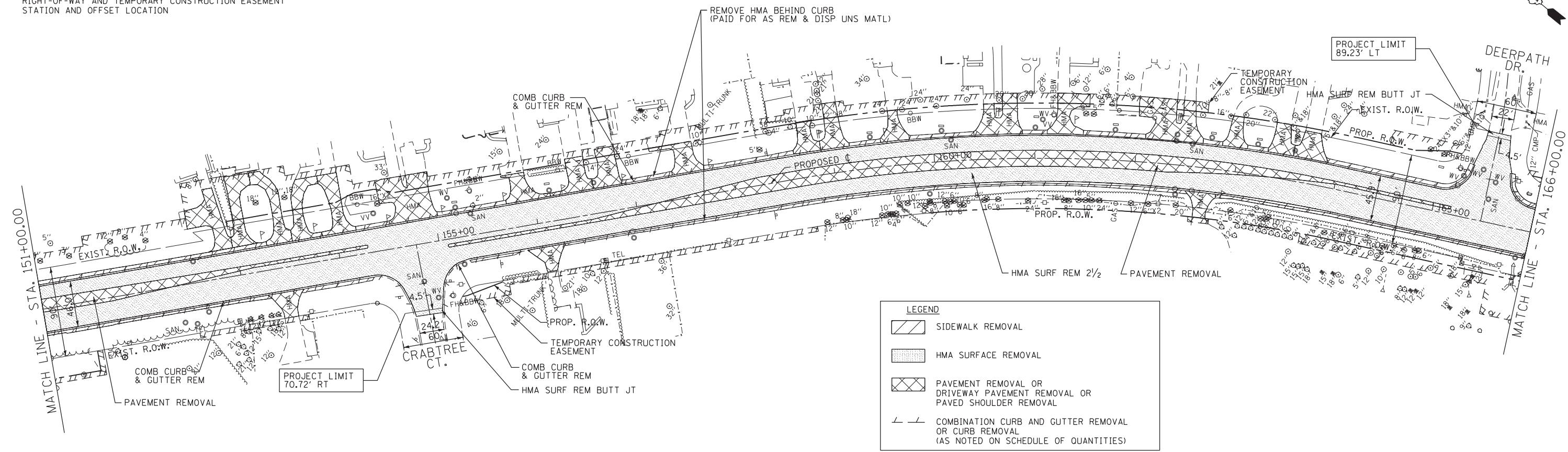
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. 121+00.00 TO STA. 151+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	37
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

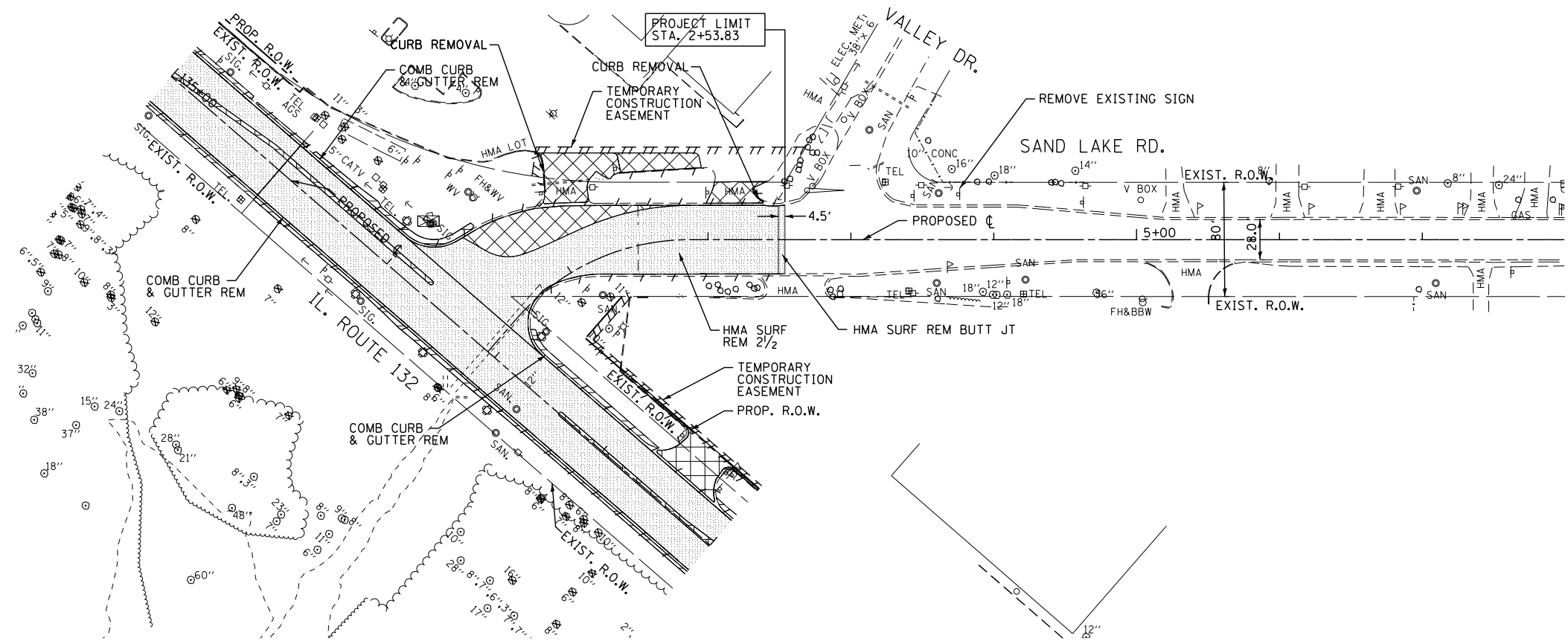
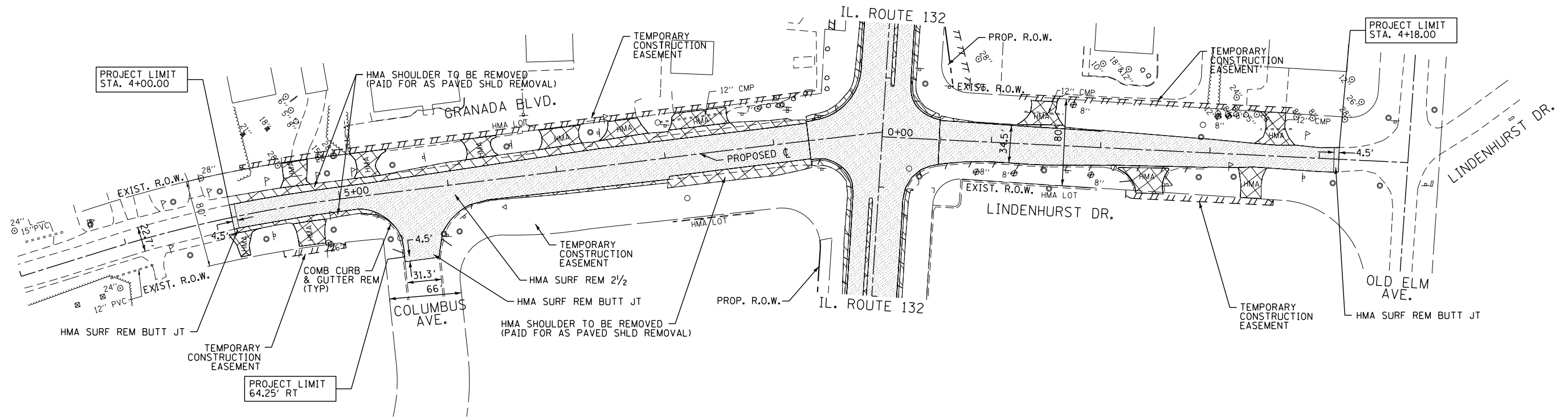
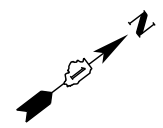
NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED
 RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT
 STATION AND OFFSET LOCATION



FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN - BCD	REVISED -		541	A-WRS-2	LAKE	345	38			
	PLOT SCALE = *SCALE*	CHECKED - BDH	REVISED -		CONTRACT NO. 60V55							
MODELNAME	PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -		ILLINOIS FED. AID PROJECT							

SCALE: 1"=50' SHEET OF SHEETS STA. 151+00.00 TO STA. 180+00.00

NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED
 RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION
 EASEMENT STATION AND OFFSET LOCATION



LEGEND	
	SIDEWALK REMOVAL
	HMA SURFACE REMOVAL
	PAVEMENT REMOVAL OR DRIVEWAY PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL OR CURB REMOVAL (AS NOTED ON SCHEDULE OF QUANTITIES)



FILE NAME =	USER NAME = #USER#	DESIGNED -	BLG	REVISED -	
#FILE#		DRAWN -	BCD	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	BDH	REVISED -	
#MODELNAME#	PLOT DATE = #DATE#	DATE -	4/28/2017	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. NA TO STA. NA

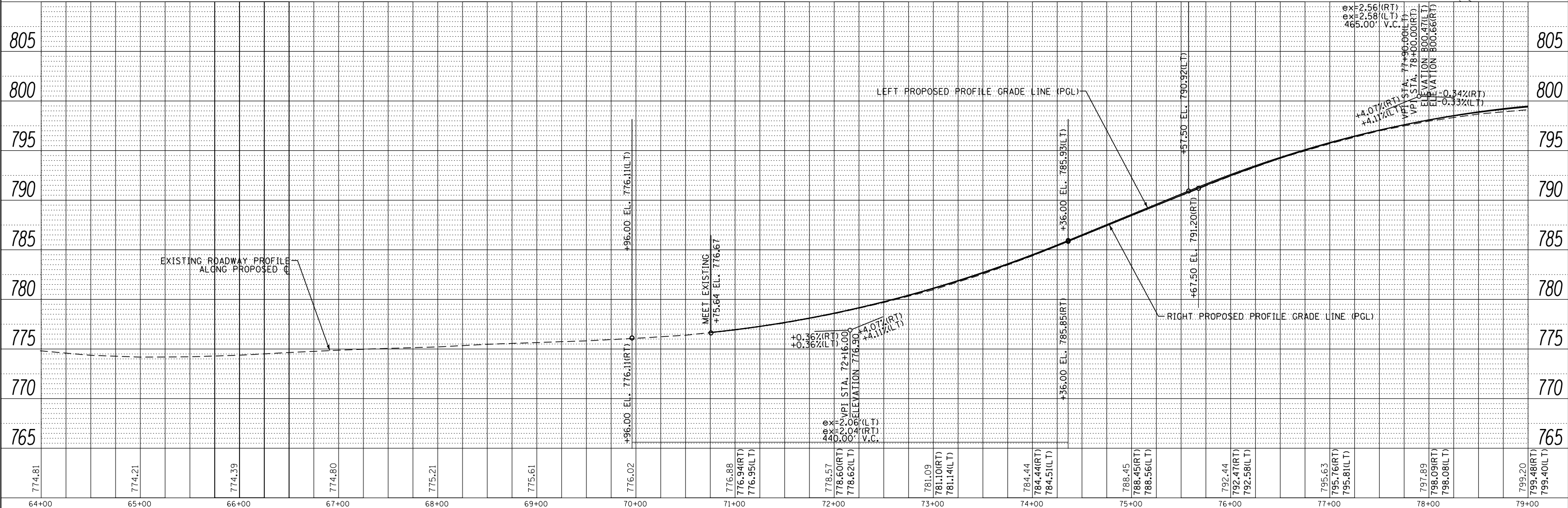
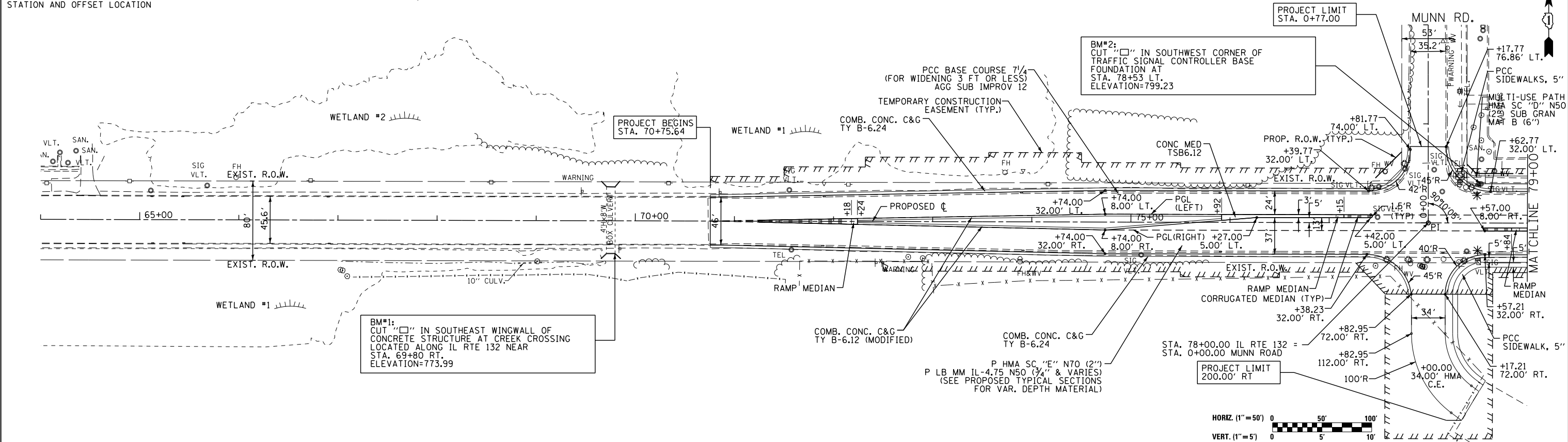
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	39
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT STATION AND OFFSET LOCATION

LEGEND
 * DETECTABLE WARNINGS ON CURB RAMP

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	NO.	



FILE NAME =	USER NAME = *USER*	DESIGNED -	BLG	REVISED -	
FILEL		DRAWN -	BCD	REVISED -	
		CHECKED -	BLG	REVISED -	
		DATE -	4/28/2017	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

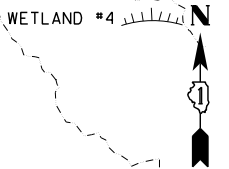
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 64+00.00 TO STA. 79+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	40
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

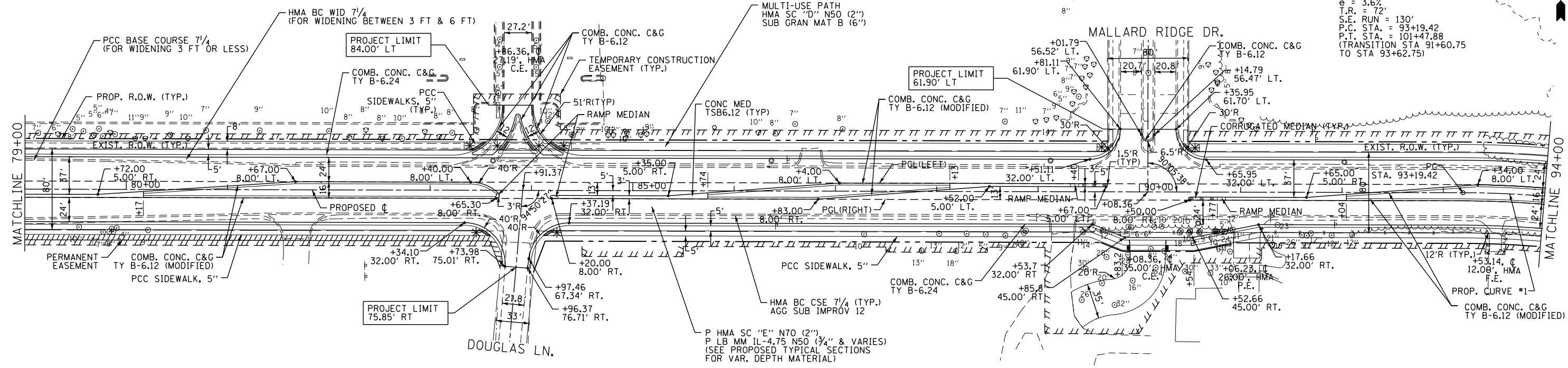
NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT STATION AND OFFSET LOCATION

LEGEND
 * DETECTABLE WARNINGS ON CURB RAMP

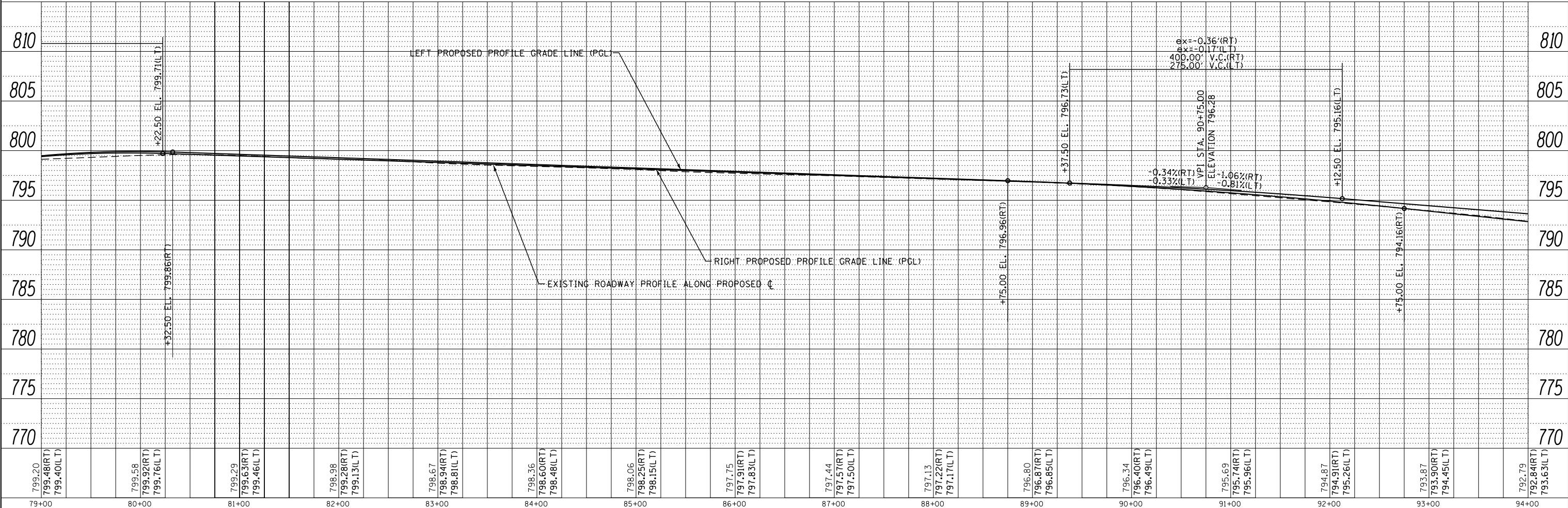
PROPOSED CURVE #1
 PI STA. = 97+58.66
 $\Delta = 47^\circ 05' 47''$ (RT)
 $D = 5^\circ 41' 05''$
 $R = 1,007.87'$
 $T = 439.24'$
 $L = 828.45'$
 $E = 91.55'$
 $e = 3.62'$
 $T.R. = 72'$
 $S.E. RUN = 130'$
 $P.C. STA. = 93+19.42$
 $P.T. STA. = 101+47.88$
 (TRANSITION STA 91+60.75 TO STA 93+62.75)



DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	



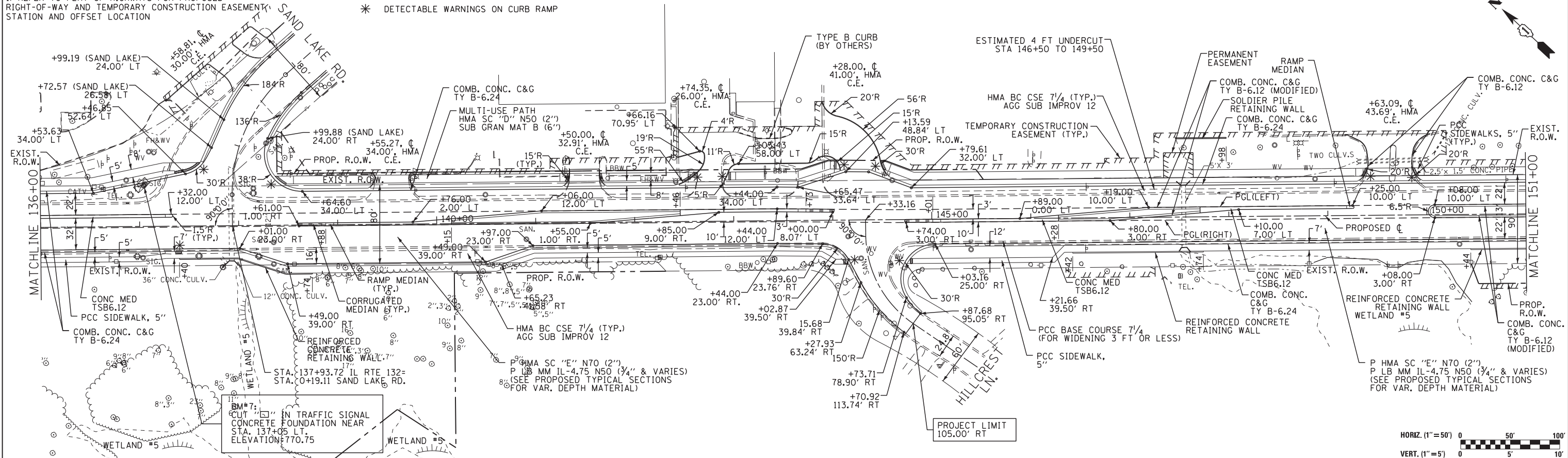
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOTATIONS CHKD	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	



FILE NAME =	USER NAME = *USER*	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN -	BCD	REVISED -			541	A-WRS-2	LAKE	345	41		
PLOT SCALE = *SCALE*		CHECKED -	BLG	REVISED -			CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT			
PLOT DATE = *DATE*		DATE -	4/28/2017	REVISED -			SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 79+00.00 TO STA. 94+00.00			

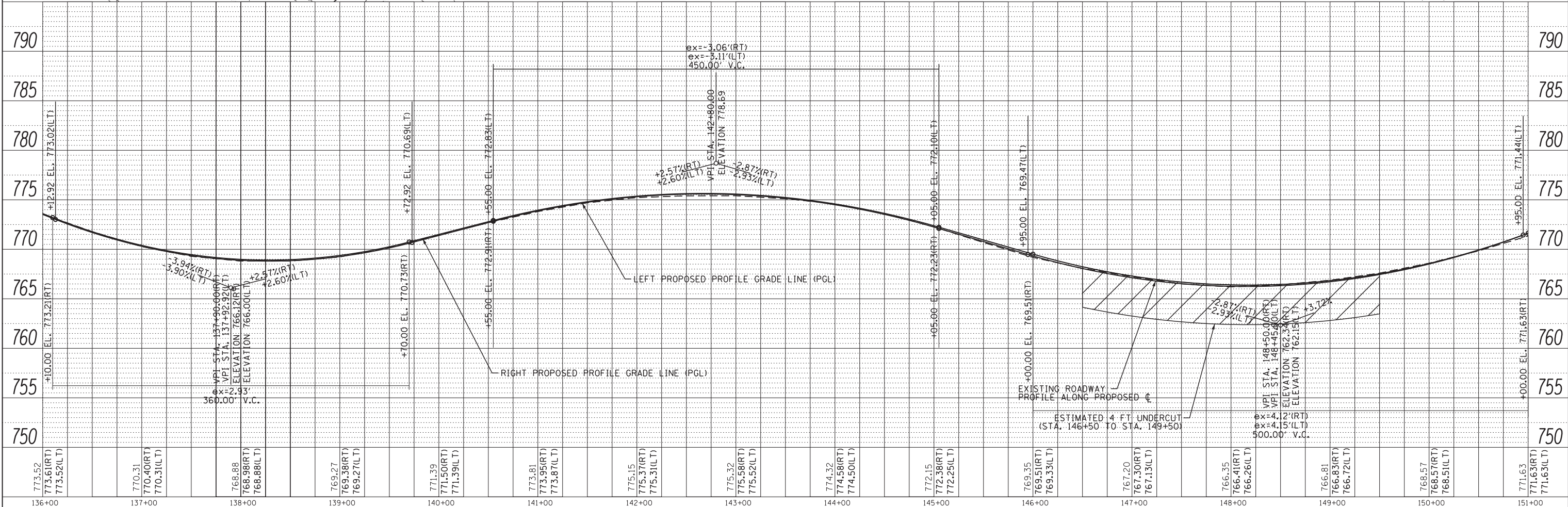
NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT, STATION AND OFFSET LOCATION

LEGEND
 * DETECTABLE WARNINGS ON CURB RAMP



DATE	
BY	
PLAN	SURVEYED
	NOTED
	PLOTTED
	CHECKED
	ALIGNED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	NOTED
	PLOTTED
	CHECKED
	ALIGNED
	FILED
	NO.



FILE NAME =	USER NAME = *USER*	DESIGNED - BLC	REVISED -	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BCD	REVISED -	541	A-WRS-2	LAKE	345	45
		CHECKED - BLC	REVISED -	CONTRACT NO. 60V55				
		DATE - 1/29/2018	REVISED -	ILLINOIS FED. AID PROJECT				

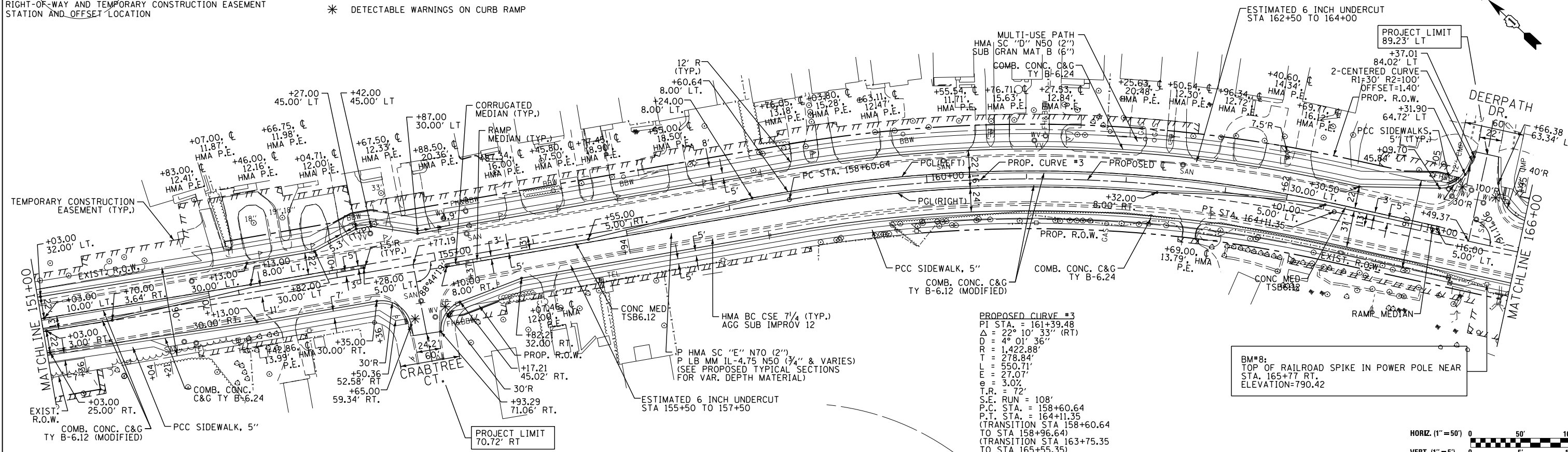
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1"=50'
 SHEET NO. OF SHEETS
 STA. 136+00.00 TO STA. 151+00.00

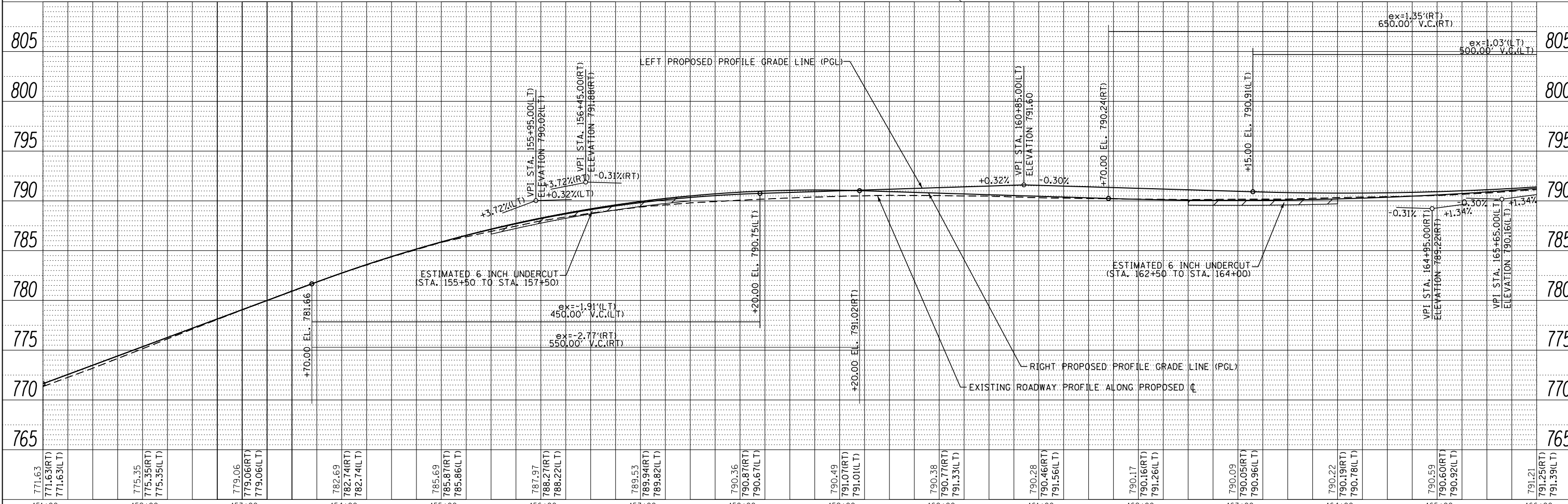
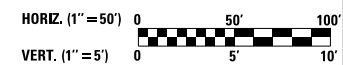
NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT STATION AND OFFSET LOCATION

LEGEND
 * DETECTABLE WARNINGS ON CURB RAMP



PROPOSED CURVE #3
 PI STA. = 161+39.48
 $\Delta = 22^\circ 10' 33''$ (RT)
 $D = 4^\circ 01' 36''$
 $R = 1,422.88'$
 $T = 278.84'$
 $E = 550.71'$
 $L = 27.07'$
 $e = 3.02'$
 $S.E. RUN = 108'$
 P.C. STA. = 158+60.64
 P.T. STA. = 164+11.35
 (TRANSITION STA 158+60.64 TO STA 158+96.64)
 (TRANSITION STA 163+75.35 TO STA 165+55.35)

BM#8:
 TOP OF RAILROAD SPIKE IN POWER POLE NEAR STA. 165+77 RT.
 ELEVATION=790.42



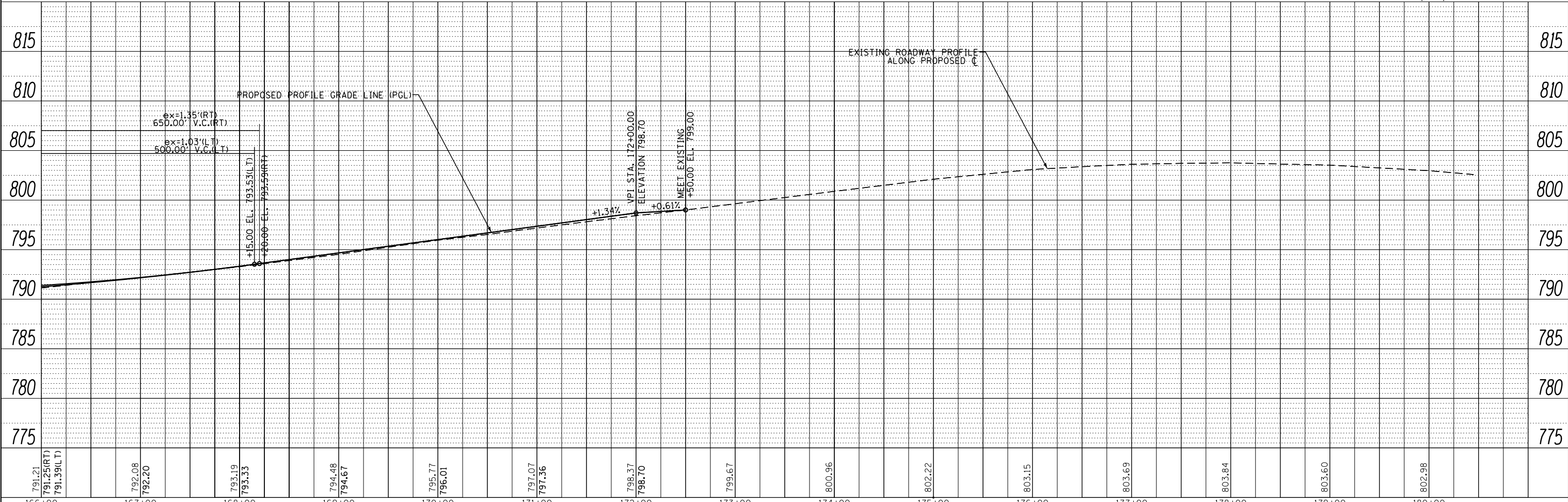
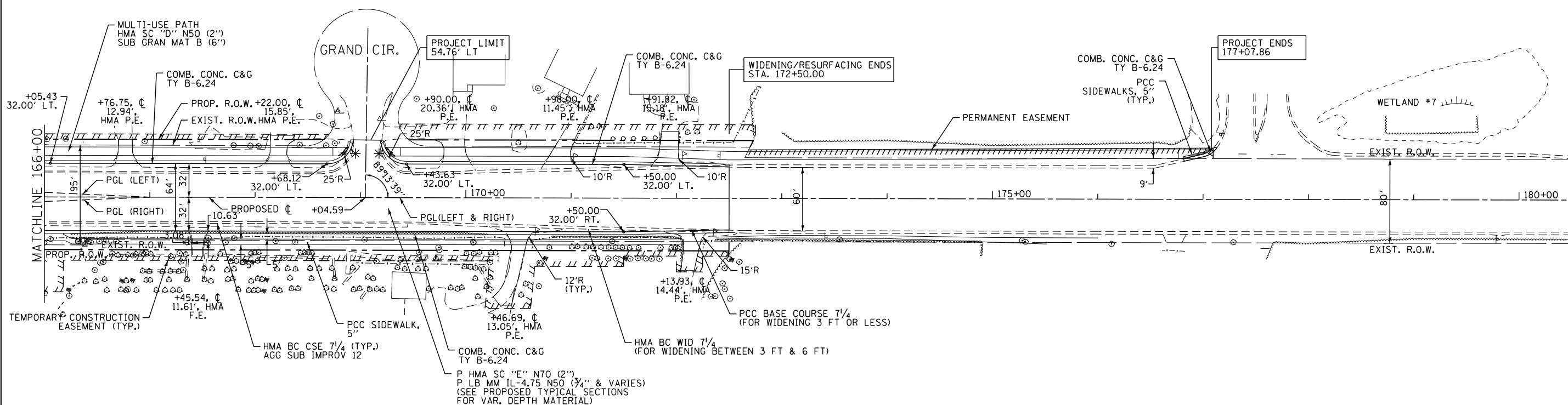
DATE	
BY	
PLAN	SURVEYED
	NOTED
	PLOTTED
	CHECKED
	AT
	NO.
	NO.
	NO.

DATE	
BY	
PROFILE	SURVEYED
	NOTED
	PLOTTED
	CHECKED
	AT
	NO.
	NO.
	NO.

FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN - BCD	REVISED -			541	A-WRS-2	LAKE	345	46	
PLOT SCALE = *SCALE*		CHECKED - BLG	REVISED -			CONTRACT NO. 60V55					
PLOT DATE = *DATE*		DATE - 4/28/2017	REVISED -			ILLINOIS FED. AID PROJECT					

NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT STATION AND OFFSET LOCATION

LEGEND
 * DETECTABLE WARNINGS ON CURB RAMP



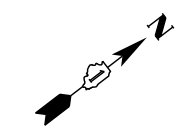
DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
FILED	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
FILED	
NO.	

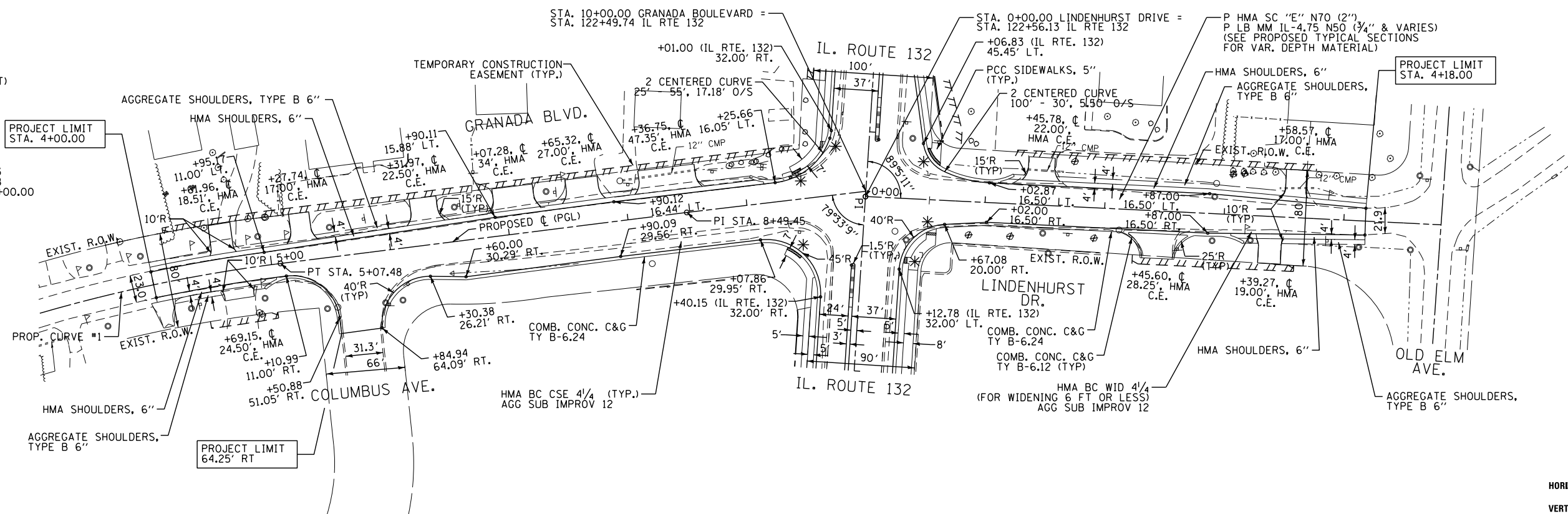
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SCALE: 1"=50' SHEET NO. OF SHEETS STA. 166+00.00 TO STA. 180+50.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BCD	REVISED -			541	A-WRS-2	LAKE	345	47
		CHECKED - BLG	REVISED -			CONTRACT NO. 60V55				
		DATE - 4/28/2017	REVISED -			ILLINOIS FED. AID PROJECT				

NOTE:
 1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT STATION AND OFFSET LOCATION

LEGEND
 * DETECTABLE WARNINGS ON CURB RAMP

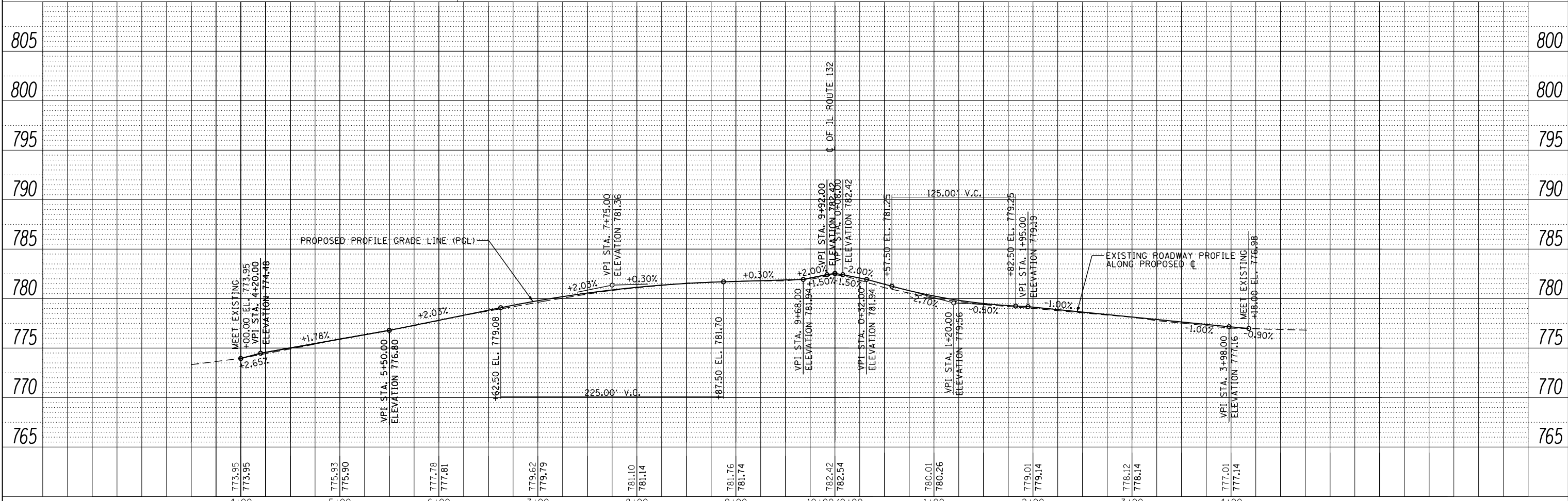


PROPOSED CURVE #1
 PI STA. = 3+93.05
 $\Delta = 10^\circ 06' 46''$ (RT)
 $D = 4^\circ 24' 27''$
 $R = 1,300.00'$
 $L = 115.03'$
 $E = 229.45'$
 $T = 5.08'$
 $M = 2.02'$
 $TR = 72'$
 S.E. RUN = 72'
 P.C. STA. = 2+78.03
 P.T. STA. = 5+07.48
 (TRANSITION STA 5+00.00 TO STA 6+44.00)



DATE	
BY	
PLAN	SURVEYED
	NOTED
	CHECKED
	FILED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	NOTED
	CHECKED
	FILED
	NO.



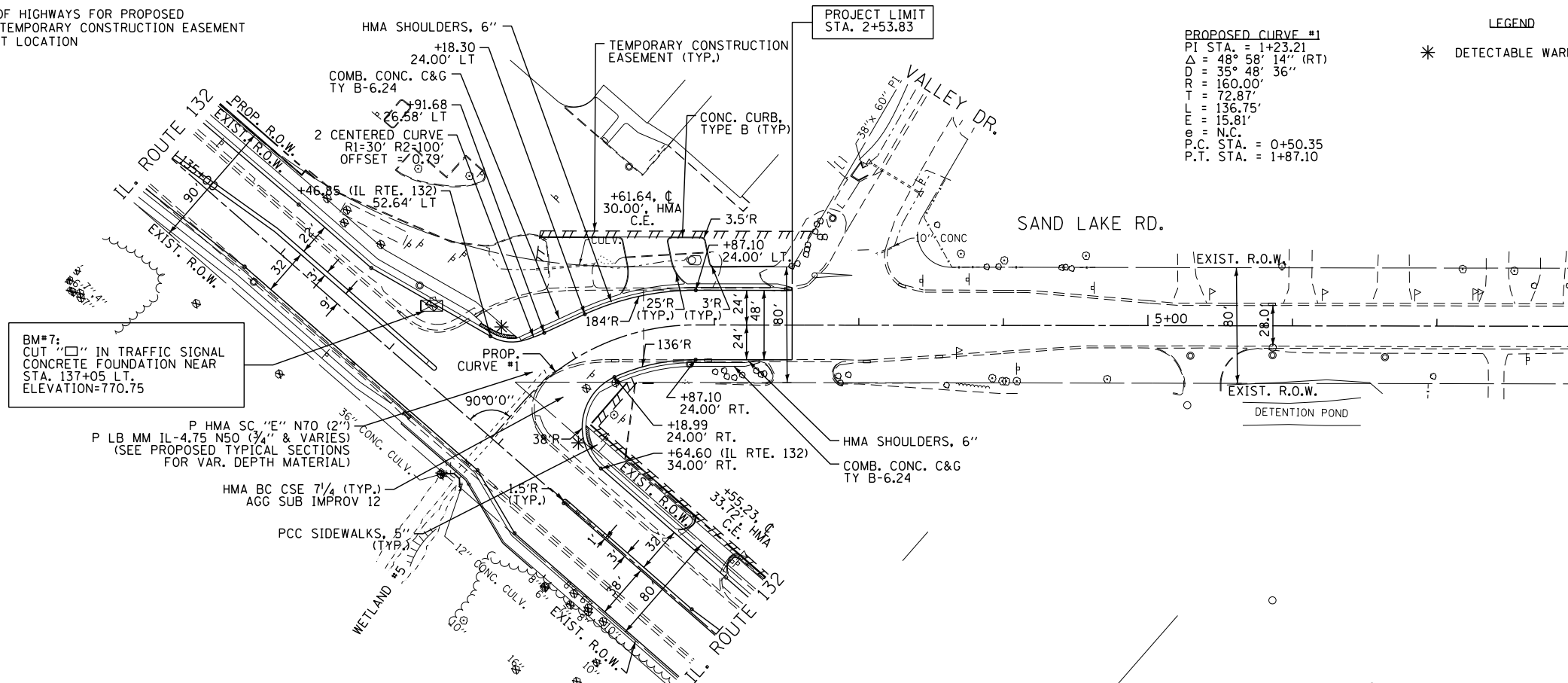
FILE NAME =	USER NAME = *USER*	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GRANADA BLVD / LINDENHURST DR			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN -	BCD	REVISED -			541	A-WRS-2	LAKE	345	48			
		CHECKED -	BLG	REVISED -			CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT				
		PLOT DATE =	*DATE*	DATE -	4/28/2017		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 4+00 TO STA. 10+00					

NOTE:

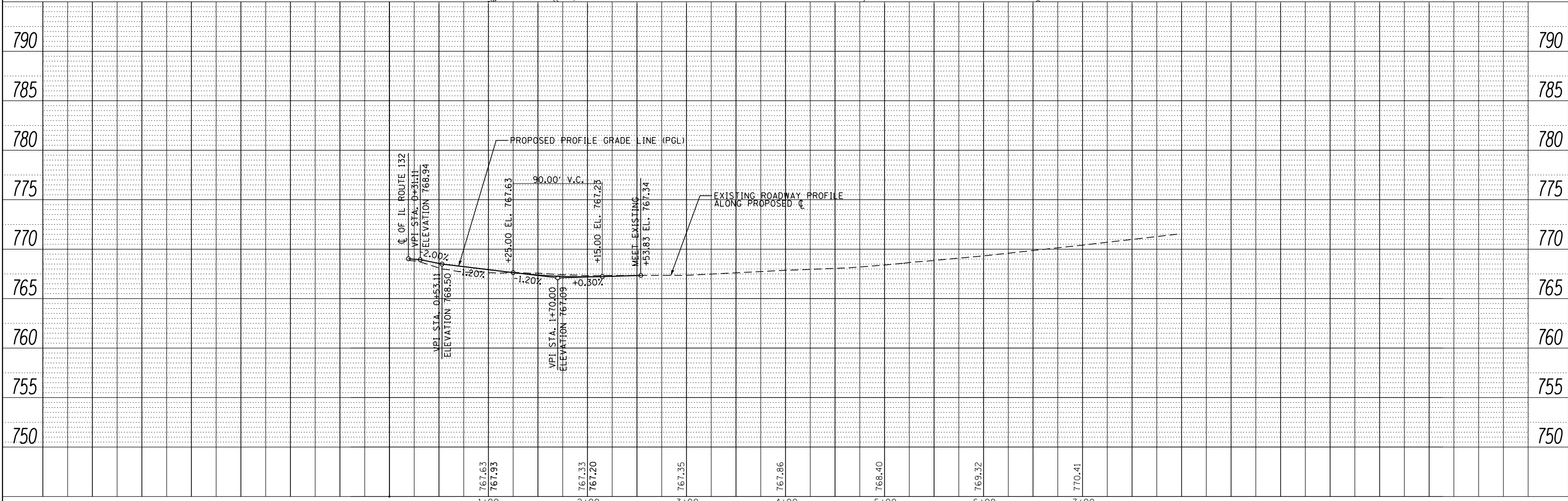
1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENT STATION AND OFFSET LOCATION

DATE	BY	SURVEYED	PLANNED
		ALIGNED	CHECKED
		FILED	NO.

DATE	BY	SURVEYED	PLANNED
		ALIGNED	CHECKED
		FILED	NO.



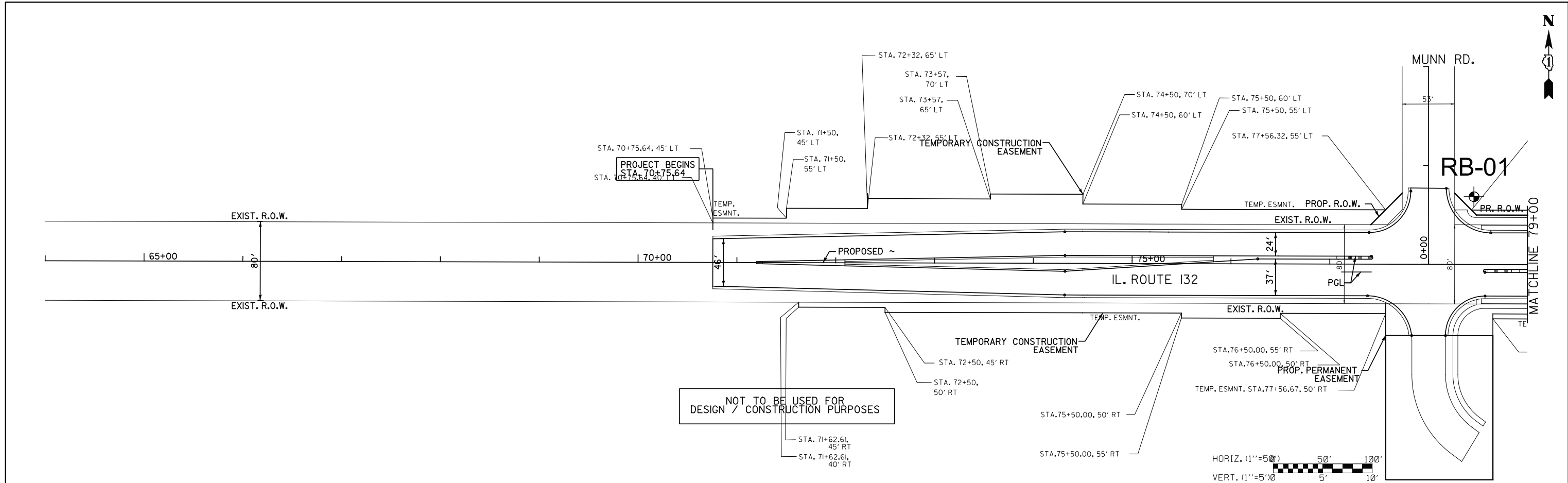
LEGEND
* DETECTABLE WARNINGS ON CURB RAMP



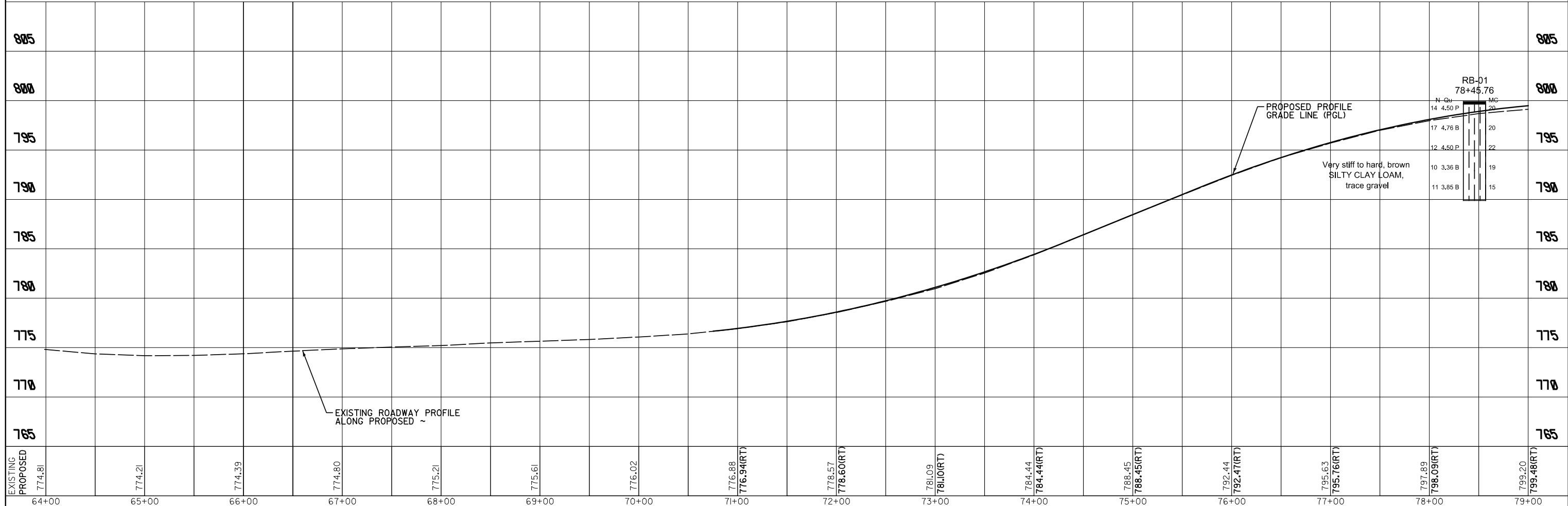
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SAND LAKE RD	F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 49	
FILEL	PLOT SCALE = *SCALE*	DRAWN - BCD	REVISED -			CONTRACT NO. 60V55					
	PLOT DATE = *DATE*	CHECKED - BLG	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE - 4/28/2017	REVISED -			SCALE: 1"=50' SHEET NO. OF SHEETS STA. 0+00.00 TO STA. 7+00.00					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

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



NOT TO BE USED FOR DESIGN / CONSTRUCTION PURPOSES

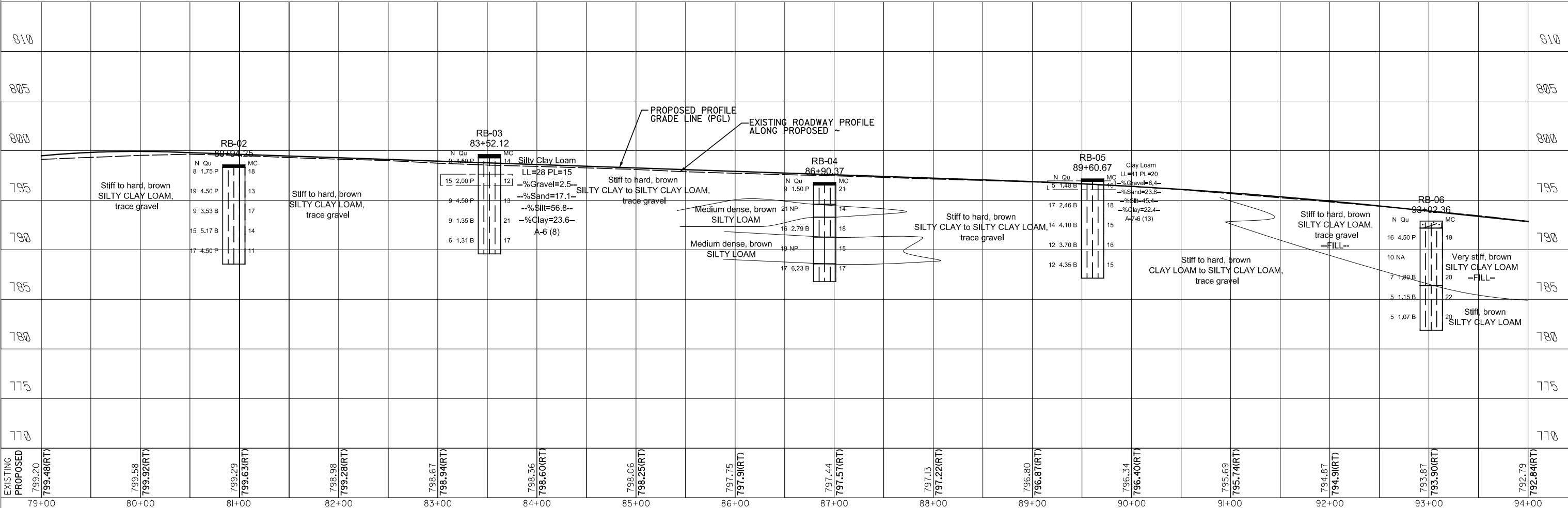
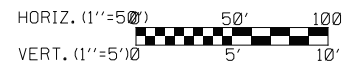
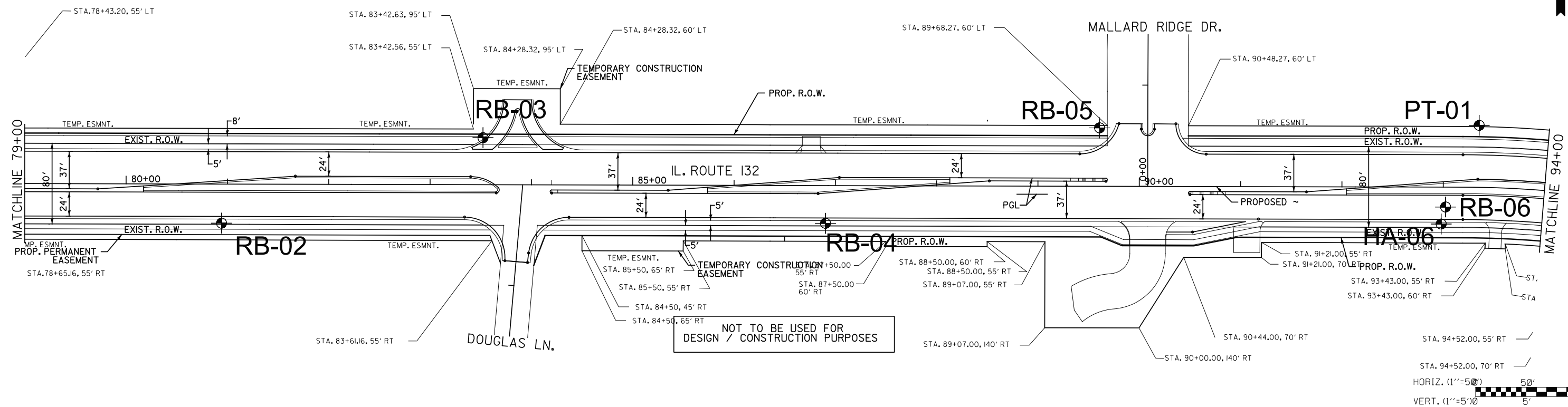


FILE NAME =	USER NAME = \$USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOTECHNICAL PLAN AND PROFILE IL 132 - MUNN RD TO DEERPETH DRIVE		F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 50	
FILEL		DRAWN - BCD	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 64+00.00 TO STA. 79+00.00	CONTRACT NO. 60V55		ILLINOIS FED. AID PROJECT		
		CHECKED - BDH	REVISED -									
		PLOT DATE = \$DATE*	DATE - 07/01/2014									



DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

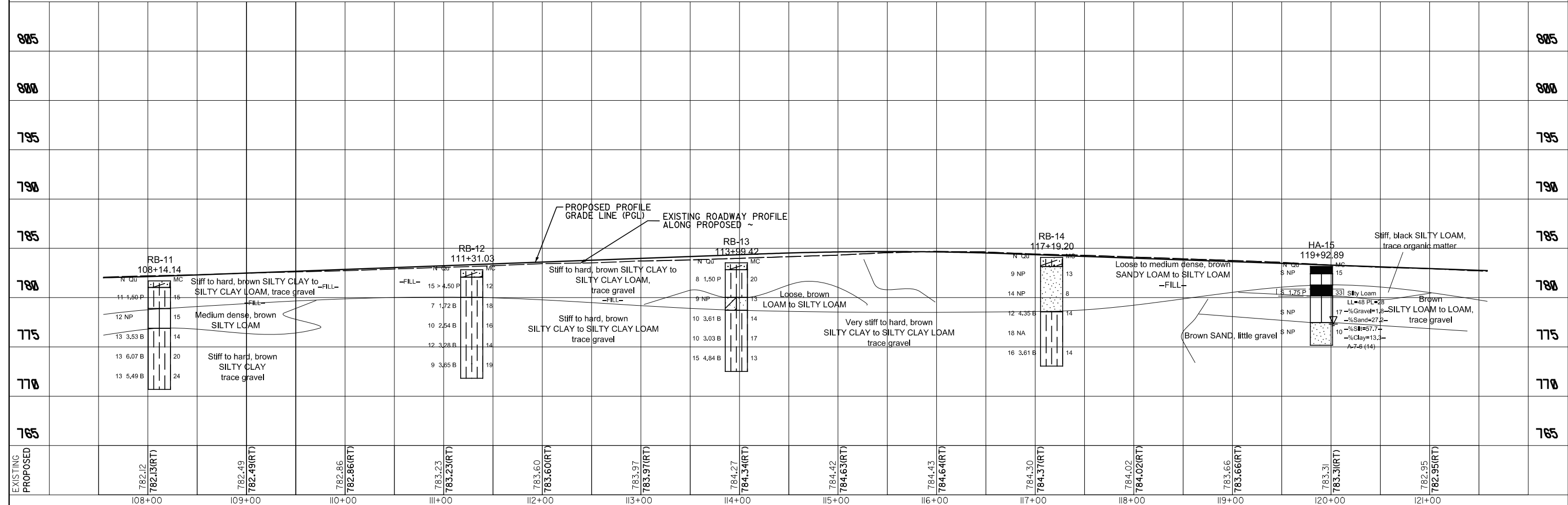
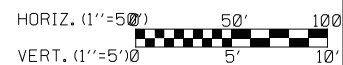
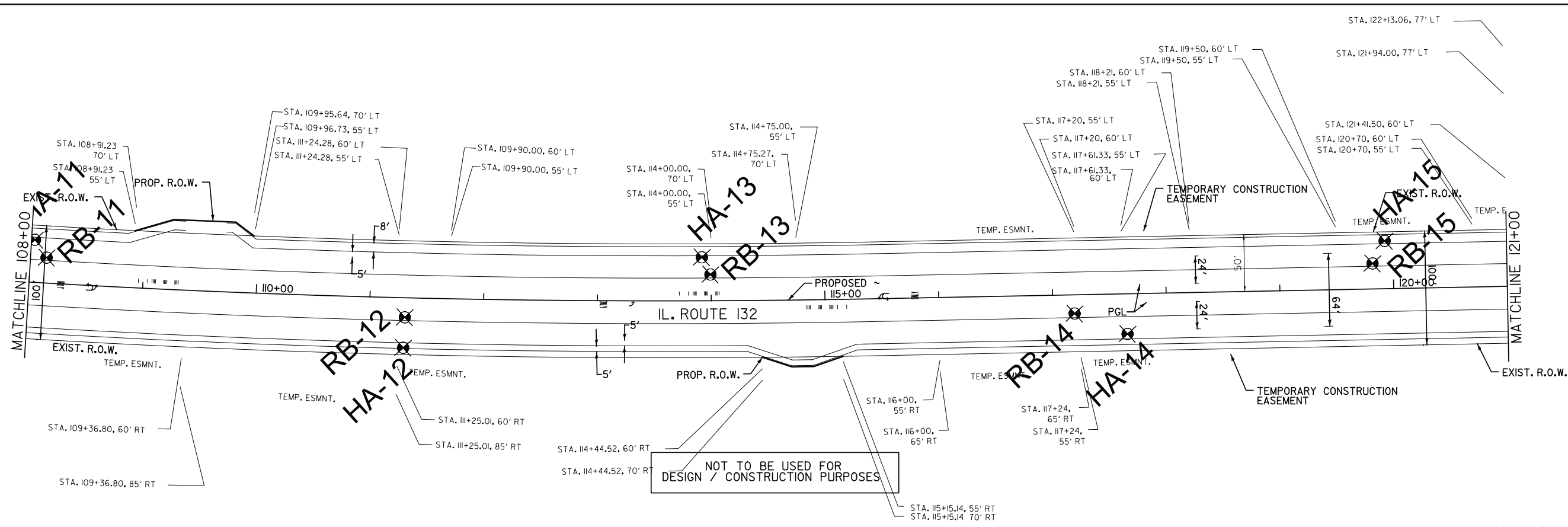
DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	



FILE NAME =	USER NAME = \$USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOTECHNICAL PLAN AND PROFILE IL 132 - MUNN RD TO DEERPETH DRIVE			F.A.P. RTE. 54I	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 51
FILEL		DRAWN - BCD	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 79+00.00 TO STA. 94+00.00	ILLINOIS FED. AID PROJECT		CONTRACT NO. 60V55		
		CHECKED - BDH	REVISED -									
		DATE - 07/01/2014	REVISED -									

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

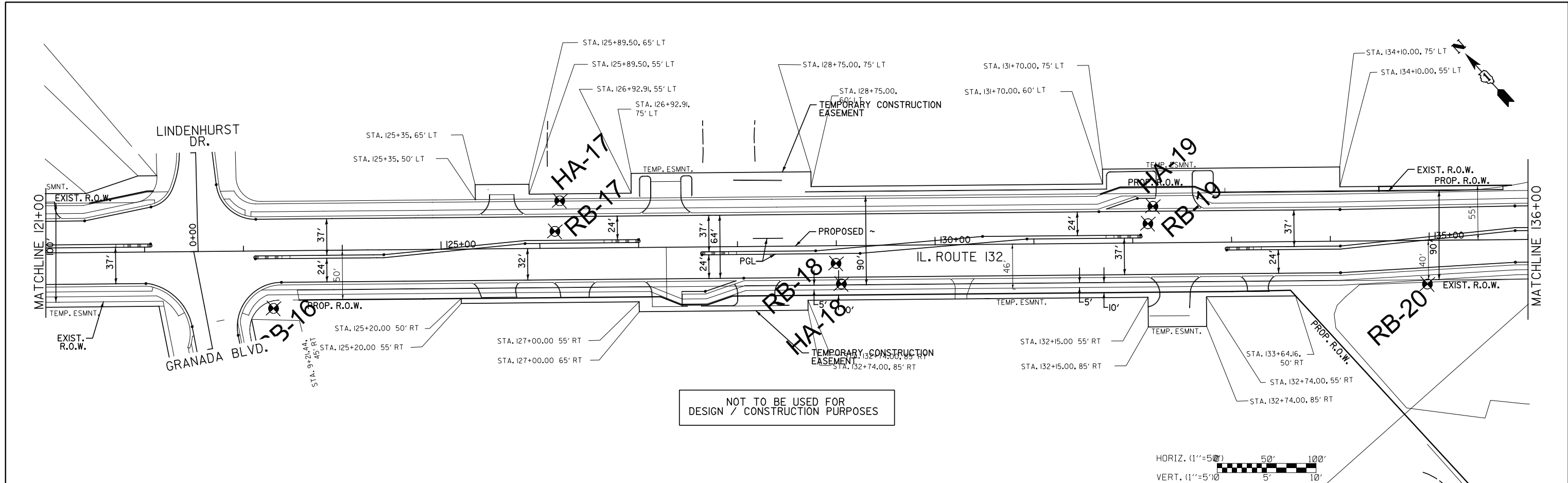
DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME



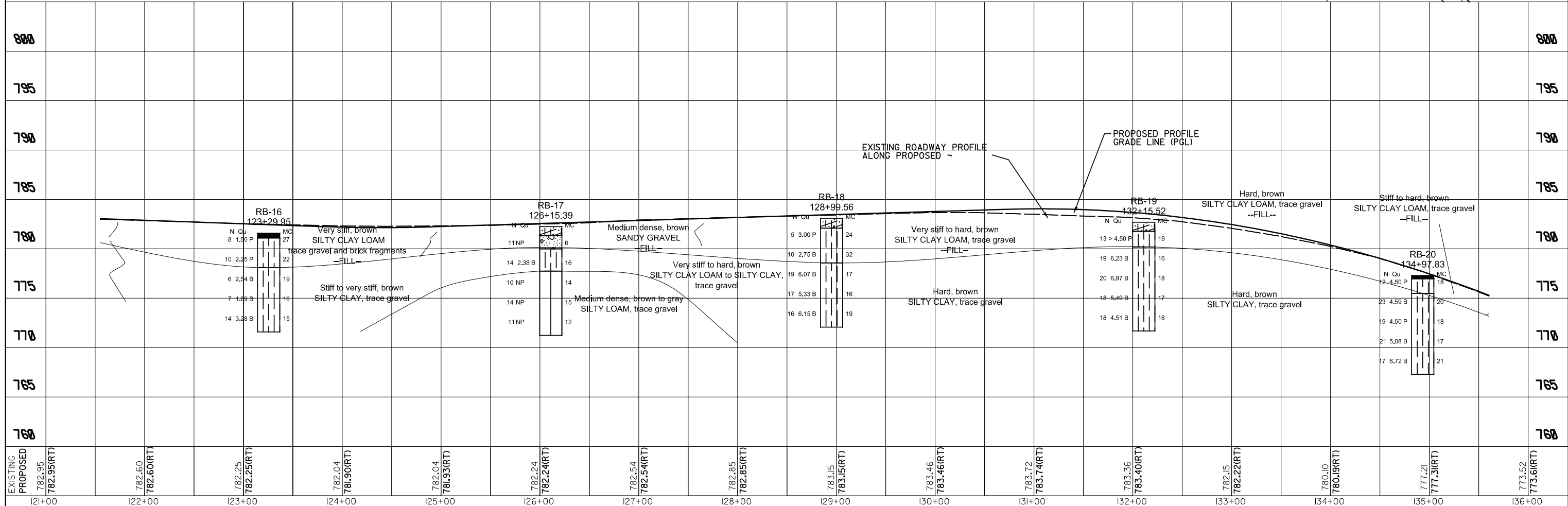
FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOTECHNICAL PLAN AND PROFILE IL 132 - MUNN RD TO DEERPETH DRIVE		F.A.P. R.T.E. = 541	SECTION = A-WRS-2	COUNTY = LAKE	TOTAL SHEETS = 345	SHEET NO. = 53	
FILE.L	PLOT SCALE = *SCALE*	DRAWN - BCD	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 108+00.00 TO STA. 121+00.00	CONTRACT NO. 60V55				
	PLOT DATE = *DATE*	CHECKED - BDH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 07/01/2014	REVISED -									

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

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



NOT TO BE USED FOR DESIGN / CONSTRUCTION PURPOSES



EXISTING PROPOSED	782.95	782.60	782.25	782.04	781.93	782.24	782.54	782.85	783.15	783.46	783.72	783.36	782.15	780.10	777.21	773.52
	782.95(RT)	782.60(RT)	782.25(RT)	781.90(RT)	781.93(RT)	782.24(RT)	782.54(RT)	782.85(RT)	783.15(RT)	783.46(RT)	783.74(RT)	783.40(RT)	782.22(RT)	780.19(RT)	777.31(RT)	773.61(RT)
	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00

FILE NAME =	USER NAME = *USER*
FILEL	
	PLOT SCALE = *SCALE*
	PLOT DATE = *DATE*

DESIGNED -	BLG	REVISED -	
DRAWN -	BCD	REVISED -	
CHECKED -	BDH	REVISED -	
DATE -	07/01/2014	REVISED -	

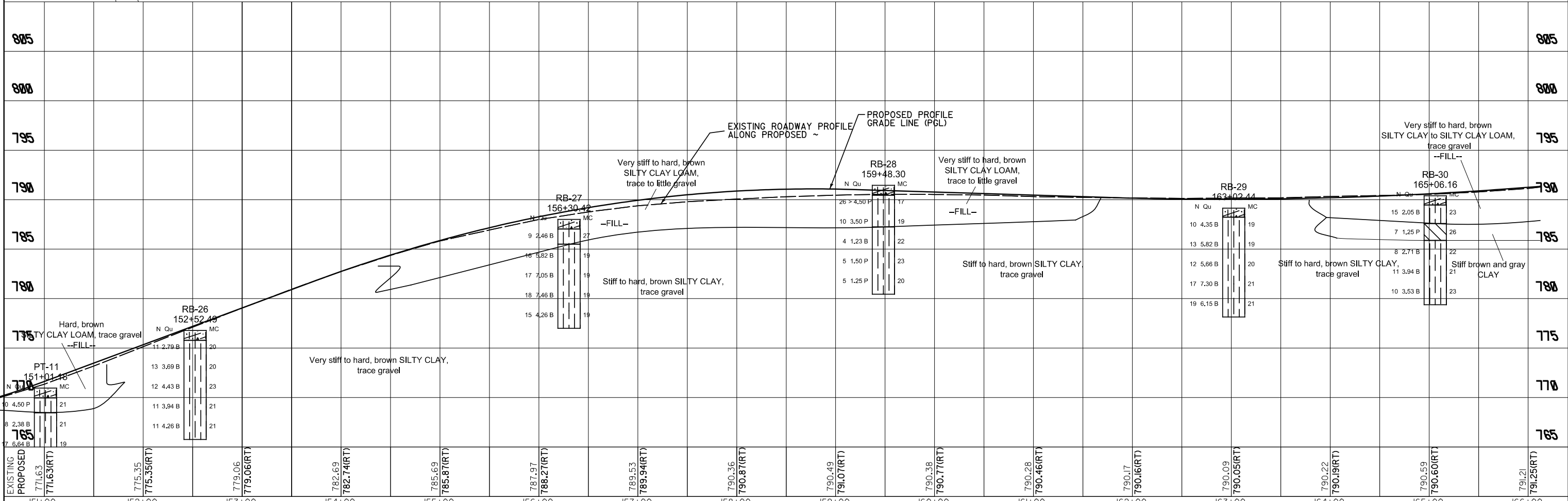
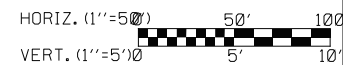
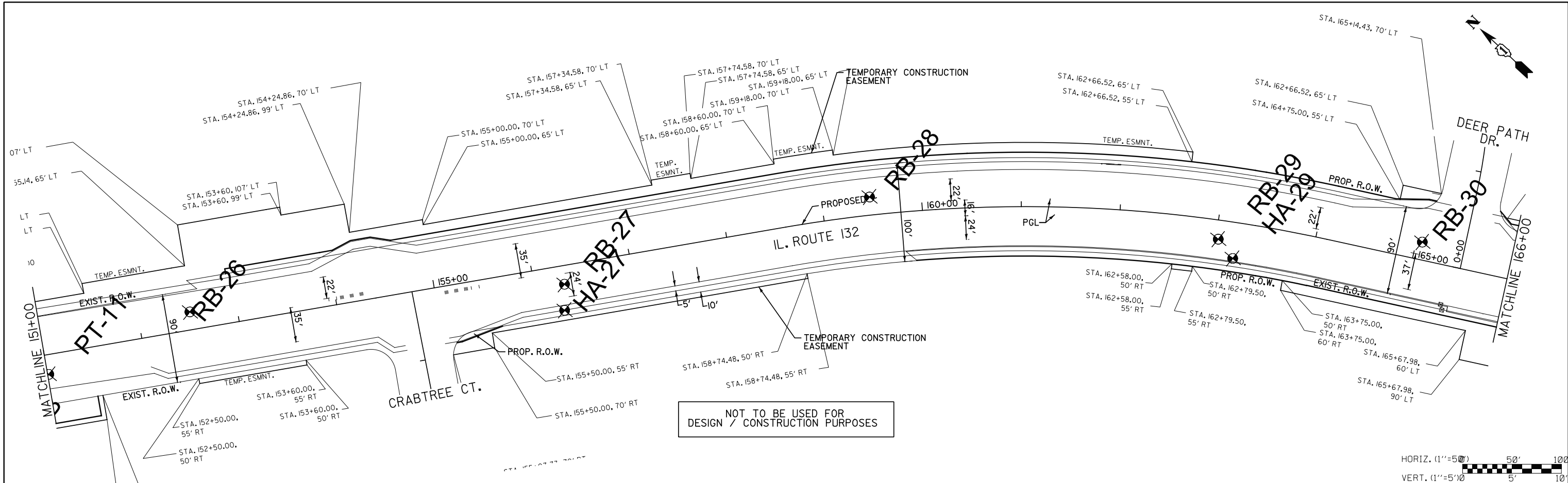
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL PLAN AND PROFILE
IL 132 - MUNN RD TO DEERPETH DRIVE
SCALE: 1"=50'
SHEET NO. OF SHEETS
STA. 121+00.00 TO STA. 136+00.00

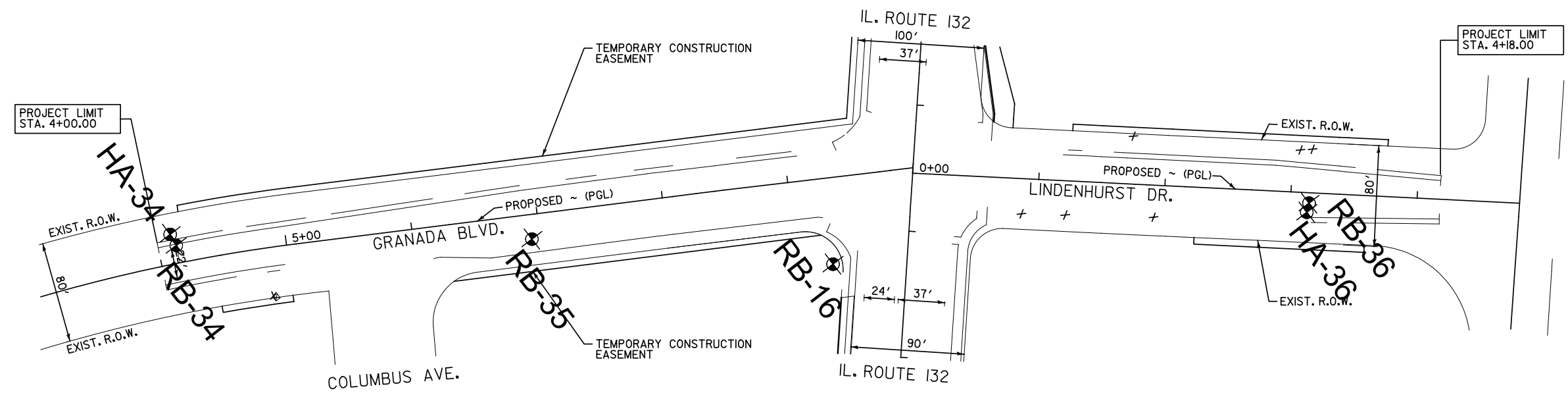
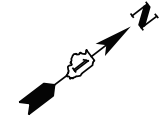
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
54I	A-TS-2 (12)	LAKE	345	54
CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	ALIGNED	
	FILED	
	NO.	

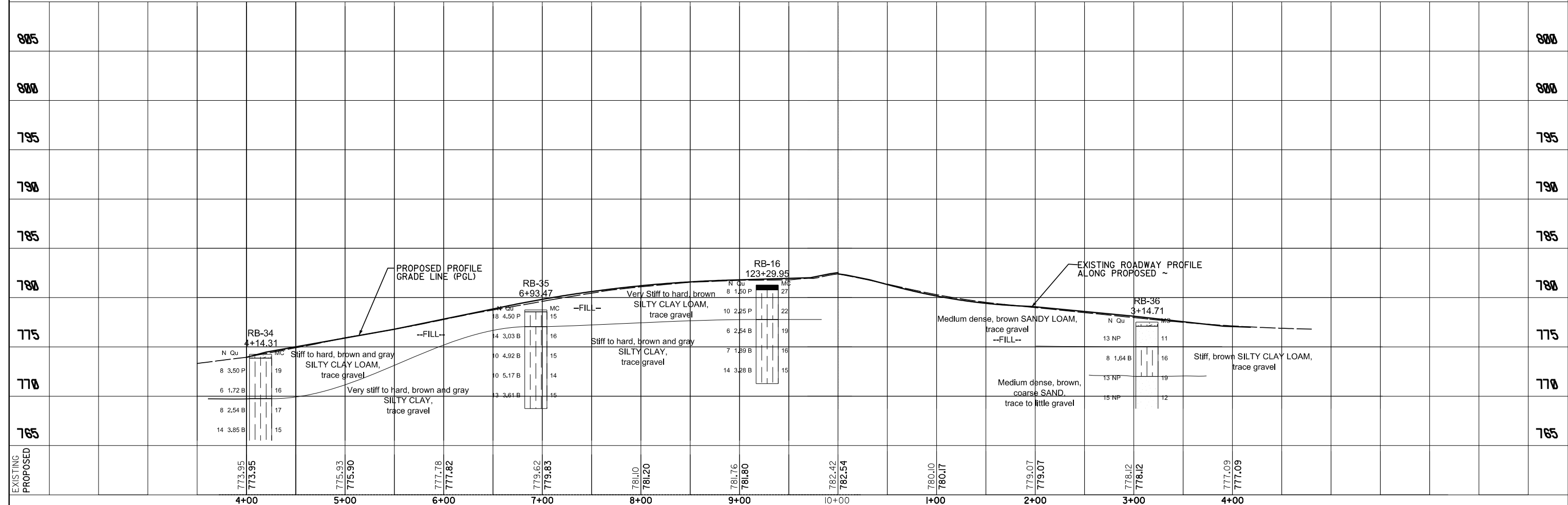
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHKD	



EXISTING PROPOSED	771.63(RT)	775.35	775.35(RT)	779.06	779.06(RT)	782.69	782.74(RT)	785.69	785.87(RT)	787.97	788.27(RT)	789.53	789.94(RT)	790.36	790.87(RT)	790.49	791.07(RT)	790.38	790.77(RT)	790.28	790.46(RT)	790.17	790.16(RT)	790.09	790.05(RT)	790.22	790.19(RT)	790.59	790.60(RT)	791.21	791.25(RT)			
FILE NAME =	USER NAME = *USER*	DESIGNED -	BLG	REVISED -		DRAWN -	BCD	REVISED -		CHECKED -	BDH	REVISED -		DATE -	07/01/2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										GEOTECHNICAL PLAN AND PROFILE IL 132 - MUNN RD TO DEERPETH DRIVE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		PLOT SCALE = *SCALE*														SCALE: 1"=50'	SHEET NO. OF	SHEETS	STA. 151+00.00 TO STA. 166+00.00	54I	A-WRS-2	LAKE	345	56										
		PLOT DATE = *DATE*																							CONTRACT NO. 60V55	ILLINOIS	FED. AID PROJECT							



NOT TO BE USED FOR DESIGN / CONSTRUCTION PURPOSES



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO. _____		
	NO. _____		

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

FILE NAME =	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOTECHNICAL PLAN AND PROFILE IL 132 - MUNN RD TO DEERPETH DRIVE		F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 58
FILEL		DRAWN - BCD	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 4+00 TO STA. 10+00	CONTRACT NO. 60V55		ILLINOIS FED. AID PROJECT	
		CHECKED - BDH	REVISED -								
		DATE - 07/01/2014	REVISED -								

SUGGESTED MAINTENANCE OF TRAFFIC STAGING

PRE-STAGE

TRAFFIC:

TRAFFIC ON IL ROUTE 132 (GRAND AVENUE) WILL USE EXISTING LANES.

TEMPORARY LANE CLOSURES - USE STANDARDS 701606 AND 701701 AND 701801.

CONSTRUCTION:

1. CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT MUNN ROAD, SAND LAKE ROAD AND GRANADA BLVD./LINDENHURST DR.
2. PLACE TEMPORARY TRAFFIC SIGNALS IN SERVICE AT MUNN ROAD, SAND LAKE ROAD AND GRANADA BLVD./LINDENHURST DR.
3. CONSTRUCT TEMPORARY PAVEMENT AS INDICATED FOR THE SIDE STREETS.
4. INSTALL STAGE I TEMPORARY PAVEMENT MARKINGS AND RELOCATE TRAFFIC TO STAGE I LANES.

STAGE I

TRAFFIC:

PROVIDE ONE 11' LANE OF TRAFFIC IN EACH DIRECTION WITH A BIDIRECTIONAL TURN LANE IN THE CENTER. TRAFFIC ON IL ROUTE 132 (GRAND AVENUE) WILL BE SHIFTED TO THE NORTH SIDE OF THE EXISTING PAVEMENT. A LEFT TURN LANE WILL BE PROVIDED AT SIDE STREETS.

TEMPORARY LANE CLOSURES NECESSARY TO COMPLETE WORK IN AREAS WHERE EXISTING PAVEMENT WIDTH IN WORK AREAS IS LESS THAN 10.5' WIDE SHALL BE PERFORMED BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. ONLY, AND SHALL BE ACCOMPLISHED USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

CONSTRUCTION:

1. MARK THREE NEW LANES 11' WIDE FROM THE NORTH EDGE OF PAVEMENT.
2. INSTALL BARRICADES TO PROTECT THE WORK ZONE ON THE SOUTH SIDE OF EXISTING PAVEMENT.
3. INSTALL EROSION AND SEDIMENT CONTROL MEASURES ON SOUTH SIDE.
4. INSTALL RETAINING WALLS ADJACENT TO SAND LAKE ROAD INTERSECTION.
5. CONSTRUCT DETENTION AREAS NEAR SAND LAKE ROAD INTERSECTION.
6. REMOVE THE CURB AND GUTTER ON THE SOUTH SIDE AND CONSTRUCT NEW STORM SEWERS AND NECESSARY TEMPORARY STORM SEWER CONNECTIONS IN THIS WORK ZONE.
7. CONSTRUCT THE NEW PAVEMENT (VARIABLE WIDTH), CURB AND GUTTER, DRIVES AND SIDEWALK ON THE SOUTH SIDE THROUGHOUT THE PROJECT.
8. CONSTRUCT TRAFFIC SIGNAL ITEMS IN THE WORK ZONE.
9. GRADE PARKWAYS AND SHOULDER DRAINAGE AS NECESSARY AND INSTALL SOIL STABILIZATION AND LANDSCAPE RESTORATION AS APPLICABLE.
10. PLACE HMA LEVEL BINDER AS REQUIRED BY CROSS SECTIONS.
11. INSTALL STAGE II TEMPORARY PAVEMENT MARKINGS, SIGNAGE, BARRICADES AND RELOCATE TRAFFIC TO STAGE II LANES.

STAGE II
TRAFFIC:

PROVIDE ONE 11' LANE OF TRAFFIC IN EACH DIRECTION WITH A BIDIRECTIONAL TURN LANE IN THE CENTER. EASTBOUND TRAFFIC ON IL ROUTE 132 (GRAND AVENUE) WILL BE SHIFTED TO THE SOUTH, USING NEW PAVEMENT. WESTBOUND TRAFFIC WILL USE THE EXISTING PAVEMENT ON THE NORTH SIDE, LEFT TURN LANE WILL BE PROVIDED AT MUNN ROAD.

TEMPORARY LANE CLOSURES NECESSARY TO COMPLETE WORK IN AREAS WHERE EXISTING PAVEMENT WIDTH IN WORK AREAS IS LESS THAN 10.5' WIDE SHALL BE PERFORMED BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. ONLY, AND SHALL BE ACCOMPLISHED USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

CONSTRUCTION:

1. REMOVE EXISTING CENTER PAVEMENT IN AREAS WHERE NEW MAINLINE STORM SEWERS ARE TO BE INSTALLED.
2. CONSTRUCT NEW MAINLINE STORM SEWERS, LATERALS AND NEW DRAINAGE STRUCTURES IN STAGE II WORK ZONE AND DECOMMISSION TEMPORARY SOUTH SIDE LATERAL SEWERS.
3. CONSTRUCT LATERAL SEWERS AND MEDIAN INLETS AS PROPOSED THROUGHOUT THE PROJECT WHERE THERE IS NO MAIN LINE SEWER IN THE MEDIAN. INSTALL EROSION AND SEDIMENT CONTROL MEASURES ON DRAINAGE STRUCTURES CONSTRUCTED THIS PHASE.
4. INSTALL PERMANENT AND TEMPORARY PAVEMENT PATCHES AS APPROPRIATE OVER ALL SEWER TRENCHES.
5. PLACE HMA LEVEL BINDER AS REQUIRED BY CROSS SECTIONS.
6. INSTALL STAGE III TEMPORARY PAVEMENT MARKINGS, SIGNAGE, BARRICADES AND RELOCATE TRAFFIC TO STAGE III LANES.

STAGE III

TRAFFIC:

FROM THE NEW SOUTH EDGE OF PAVEMENT PROVIDE 10.5' LANES OF TRAFFIC IN EACH DIRECTION WITH A BIDIRECTIONAL CENTER TURN LANE.

TRAFFIC ON IL ROUTE 132 (GRAND AVENUE) WILL USE THE NEW AND EXISTING PAVEMENTS. LEFT TURN LANES WILL BE PROVIDED AT MUNN ROAD AND AT OTHER INTERSECTIONS AS WORK PERMITS.

CONSTRUCTION:

1. ADJUST/SET FRAMES FOR THE STORM SEWER SYSTEM IN THIS WORK ZONE. EXTEND PIPE LATERALS WHICH WERE STUBBED PARTIALLY ACROSS PAVEMENT IN EARLIER STAGES.
2. CONSTRUCT THE NORTH PAVEMENT, CURB AND GUTTER, MULTI-USE PATH AND TRAFFIC SIGNAL STRUCTURES.
3. MODIFY AND RECONSTRUCT DRIVEWAYS.
4. PLACE HMA LEVEL BINDER AS REQUIRED BY CROSS SECTIONS.
5. INSTALL STAGE IV TEMPORARY PAVEMENT MARKINGS, SIGNAGE, BARRICADES AND RELOCATE TRAFFIC TO STAGE IV LANES.

STAGE IV

TRAFFIC:

MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION USING THE OUTSIDE PORTIONS OF THE ROADWAY.

WESTBOUND TRAFFIC LANES ON IL ROUTE 132 (GRAND AVENUE) WILL BE 10.5' WIDE MINIMUM AND USE THE EXISTING AND NEW PAVEMENT. EASTBOUND TRAFFIC LANES ON IL ROUTE 132 (GRAND AVENUE) WILL BE 10.5' WIDE MINIMUM AND USE THE EXISTING AND NEW PAVEMENT. LEFT TURN LANES WILL BE PROVIDED AS INDICATED ON THE PLANS.

TEMPORARY LANE CLOSURES NECESSARY FOR STAGE IV WORK WILL BE ACCOMPLISHED USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

CONSTRUCTION:

1. REMOVE THE TEMPORARY AND PERMANENT PAVEMENT IN THE MEDIAN AREAS FROM WEST OF MUNN ROAD TO SAND LAKE ROAD.
2. CONSTRUCT THE RAISED MEDIAN AND MEDIAN CURB AND GUTTER.
3. ADJUST THE STORM SEWER STRUCTURES IN THIS WORK ZONE.
4. PLACE MEDIAN BACKFILL AND TOPSOIL.
5. COMPLETE ANY REMAINING CENTER TRAFFIC SIGNAL EQUIPMENT.
6. PLACE HMA LEVEL BINDER AS REQUIRED.
7. INSTALL FINAL STAGE TEMPORARY PAVEMENT MARKINGS AND RELOCATE TRAFFIC TO FINAL STAGE LANES.

STAGE V

TRAFFIC:

MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION USING THE ENTIRE NEW PAVEMENT. WESTBOUND TRAFFIC LANES ON IL ROUTE 132 (GRAND AVENUE) WILL VARY 11' TO 12' WIDE AND USE THE NEW PAVEMENT. EASTBOUND TRAFFIC LANES ON IL ROUTE 132 (GRAND AVENUE) WILL VARY 11' TO 12' WIDE AND USE THE NEW PAVEMENT. LEFT TURN LANES WILL BE PROVIDED AS INDICATED ON THE PLANS.

TEMPORARY LANE CLOSURES NECESSARY FOR FINAL WORK WILL BE ACCOMPLISHED USING IDOT TRAFFIC CONTRL AND PROTECTION STANDARDS.

CONSTRUCTION:

1. COMPLETE TRAFFIC SIGNAL INSTALLATION, INTERCONNECTION AND DETECTOR LOOPS.
2. PLACE HMA SURFACE COURSE.
3. TURN ON NEW TRAFFIC SIGNALS, REMOVE TEMPORARY SIGNALS.
4. PLACE FINAL PAVEMENT MARKINGS AND SIGNAGE.
5. COMPLETE FINAL LANDSCAPE RESTORATION.

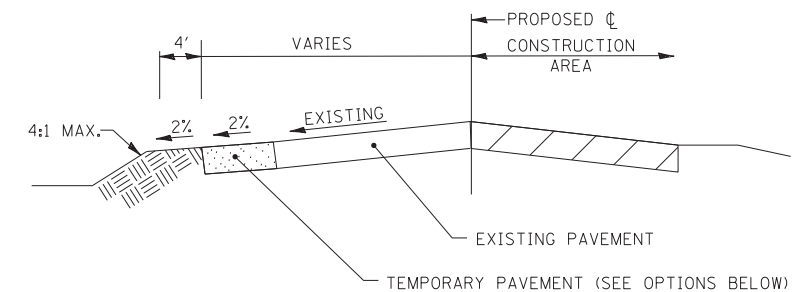
SIDE STREET CONSTRUCTION:

1. TRAFFIC ALONG SAND LAKE ROAD WILL BE MAINTAINED DURING WIDENING AND RESURFACING BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE NORTH AND MAINTAINED BY USING DAILY LANE CLOSURE, FLAGGERS AND TRAFFIC CONTROL MEASURES. STORM SEWER IMPROVEMENTS WILL BE BUILT WITH THE ADJACENT IL RTE. 132 STAGED WORK.
2. TRAFFIC ALONG GRANADA BLVD. WILL BE MAINTAINED DURING WIDENING AND RESURFACING BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE SHOULDER IN EITHER DIRECTION (ONE DIRECTION AT A TIME) AND MAINTAINED BY USING DAILY LANE CLOSURE, FLAGGERS AND TRAFFIC CONTROL MEASURES.
3. TRAFFIC ALONG LINDENHURST DR. WILL BE MAINTAINED DURING WIDENING AND RESURFACING BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE SHOULDER IN EITHER DIRECTION (ONE DIRECTION AT A TIME) AND MAINTAINED BY USING DAILY LANE CLOSURE, FLAGGERS AND TRAFFIC CONTROL MEASURES.

4. TRAFFIC ALONG MUNN ROAD WILL BE MAINTAINED DURING PAVEMENT MARKING OPERATIONS BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE CENTER (ONE DIRECTION AT A TIME) AND MAINTAINED BY USING DAILY LANE CLOSURE, FLAGGERS AND TRAFFIC CONTROL MEASURES.

GENERAL NOTES FOR TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL MATERIAL AND DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS AND THE LATEST EDITION OF THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. MAINTENANCE OF TRAFFIC AS DENOTED ON THE PLANS IS INTENDED TO BE USED AS A GENERAL GUIDE FOR THE SEQUENCE OF CONSTRUCTION OF THE WORK. NO CHANGES WILL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
3. ACCESS TO ENTRANCES SHALL BE MAINTAINED. WHEN A PROPERTY IS SERVICED BY A SINGLE ENTRANCE, CONSTRUCTION OF THE ENTRANCE SHALL BE COMPLETED ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY IS SERVICED BY MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.
4. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT THE FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
5. REMOVE ANY EXISTING PAVEMENT MARKINGS, AS REQUIRED, IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION AS SHOWN ON THE PLANS. TEMPORARY PAVEMENT MARKINGS WHICH FALL BEYOND THE PROJECT LIMITS SHALL BE PAVEMENT MARKING TAPE, TYPE IV. TEMPORARY PAVEMENT MARKINGS SHALL NOT BE TAPE DURING WINTER SNOW MONTHS.
6. WORK AT INTERSECTIONS SHALL BE PERFORMED BETWEEN 9:00 A.M. AND 3:00 P.M. ONLY. FLAGGERS SHALL BE USED FOR ALL SUCH OPERATIONS.
7. THE FURNISHING, INSTALLATION, RELOCATION AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES SHOWN ON THESE MAINTENANCE OF TRAFFIC PLANS AND ON THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)". THE CONTRACTOR SHALL FURNISH ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
8. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED EAST BOUND AND WEST BOUND ON IL 132 (GRAND AVE), AND WEST BOUND ON SAND LAKE ROAD WHEN NECESSARY AS DIRECTED BY THE ENGINEER, TO ADVISE MOTORISTS OF STAGE CHANGES.
9. A 3'-6" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY CONCRETE BARRIER WALL TO ANY OBSTRUCTION OR DROP OFF IN THE WORK ZONE. IF THIS 3'-6" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER WALL SHALL BE ANCHORED TO THE PAVEMENT THROUGH THE 3 ANCHORING HOLES ON THE TRAFFIC SIDE OF THE TEMPORARY CONCRETE BARRIER WALL. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER WALL.



(OPTION 1) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED) TRANSVERSE PAVEMENT JOINTS SHALL BE SPACED AT 15 FEET (NO DOWEL BARS)









(OPTION 2) HOT-MIX ASPHALT BASE COURSE, 7-1/4" AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (2")

TEMPORARY PAVEMENT SHALL INCLUDE A MINIMUM OF 4" OF SUBBASE GRANULAR MATERIAL, BUT INCREASED TO 12" IN AREAS OF SOFT SUBGRADE SOIL (IBR < 2.5)

TEMPORARY PAVEMENT

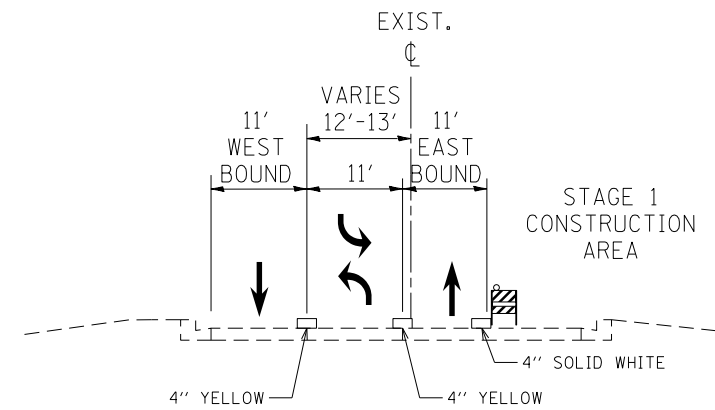
FILE NAME -	USER NAME - *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING AND GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - TLA	REVISED -						541	A-WRS-2	LAKE	345	59
	PLOT SCALE - *SCALE*	CHECKED - BDH	REVISED -		CONTRACT NO. 60V55								
MODELNAME	PLOT DATE - *DATE*	DATE - 1/29/2018	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC LEGEND

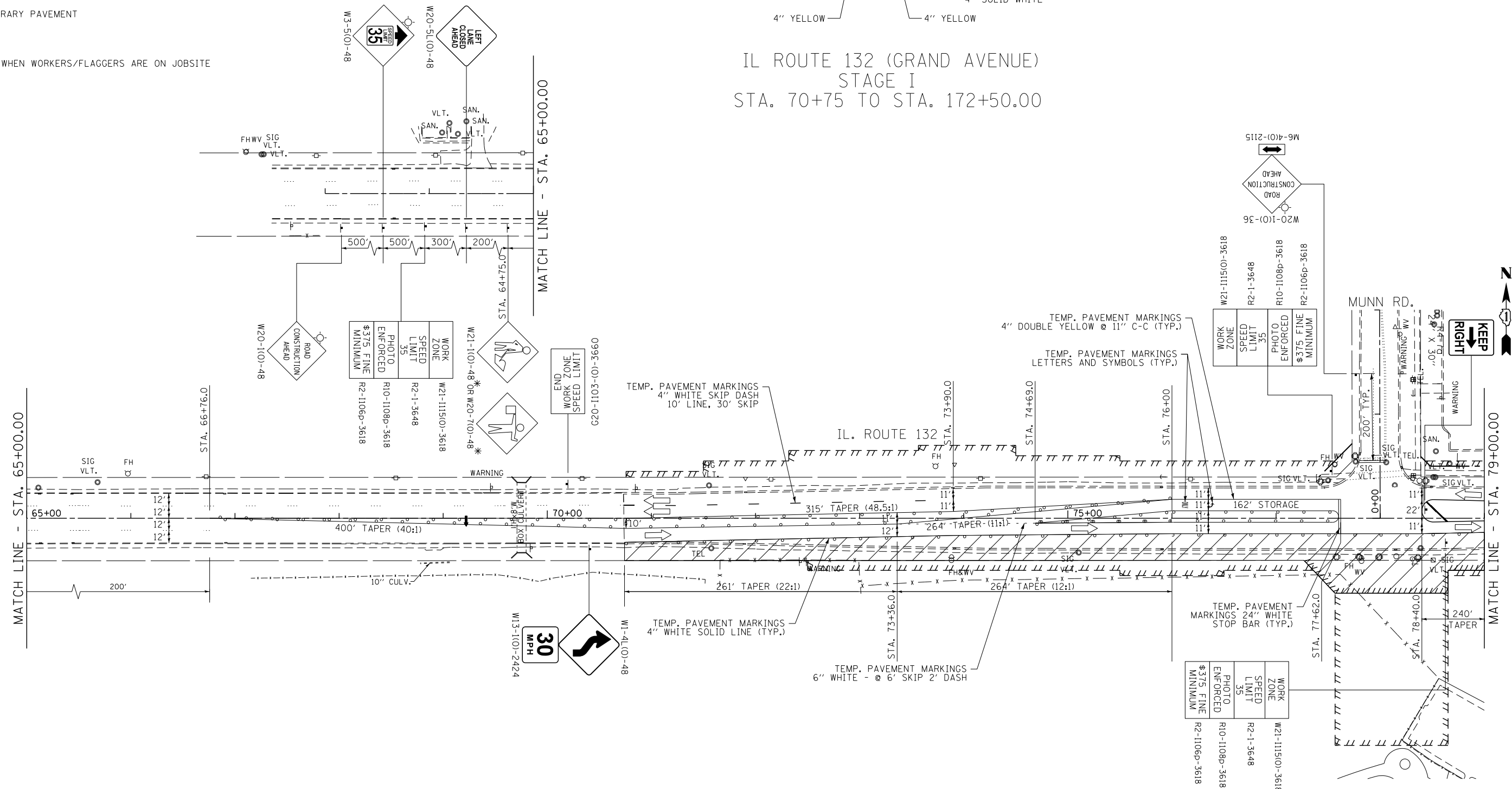
-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

NOTES:

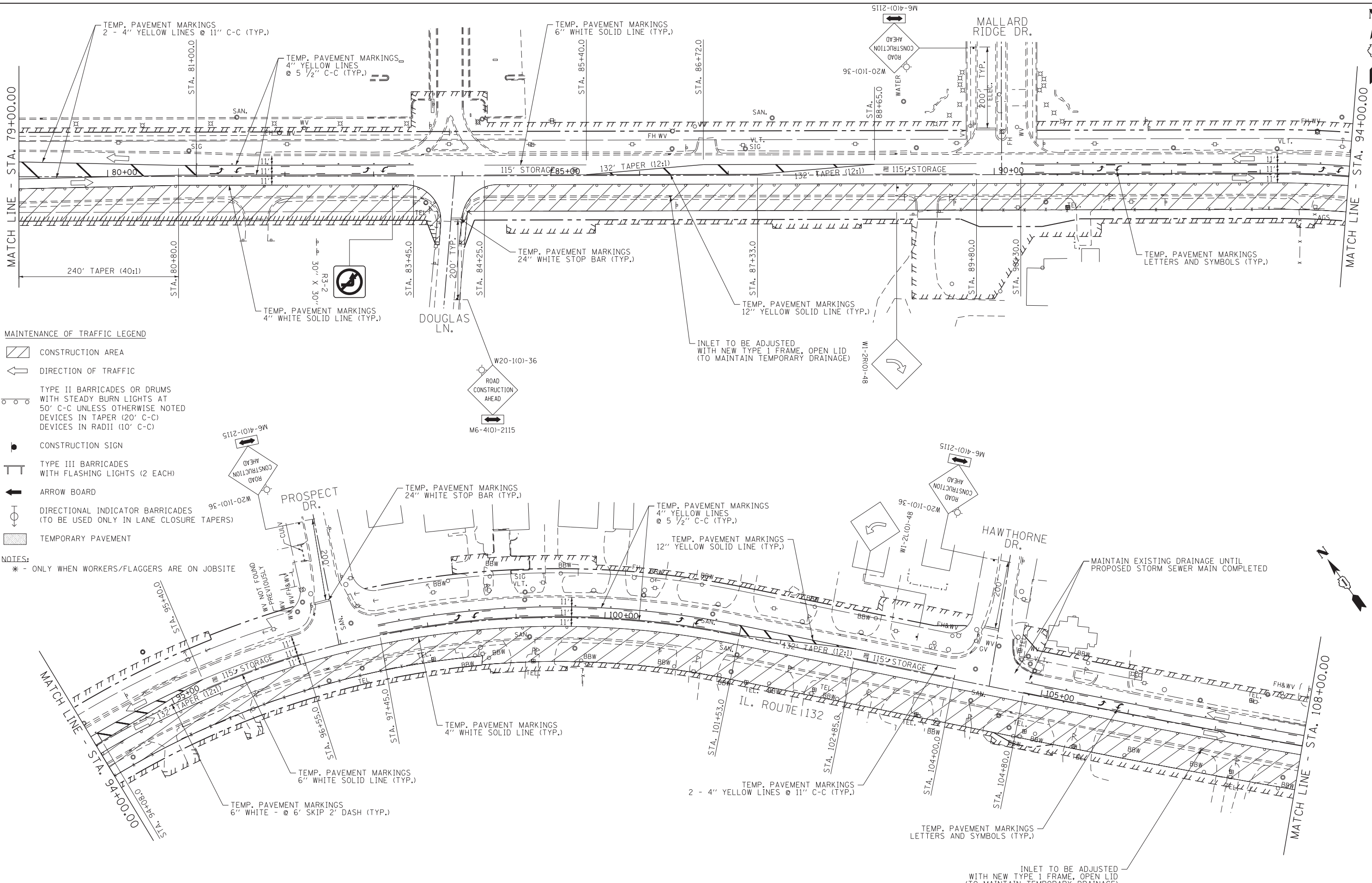
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



IL ROUTE 132 (GRAND AVENUE)
STAGE I
STA. 70+75 TO STA. 172+50.00



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE I			F.A.P. RT. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 60
#MODELNAME#	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -		SCALE: 1"=50'	SHEET	OF SHEETS	STA. 64+00.00	TO STA. 79+00.00	CONTRACT NO. 60V55		
	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -		ILLINOIS FED. AID PROJECT							



MAINTENANCE OF TRAFFIC LEGEND

- CONSTRUCTION AREA
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
- CONSTRUCTION SIGN
- TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
- TEMPORARY PAVEMENT

NOTES:
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

FILE NAME =
#FILE#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

DESIGNED - BLG
DRAWN - BCD
CHECKED - BDH
DATE - 1/29/2018

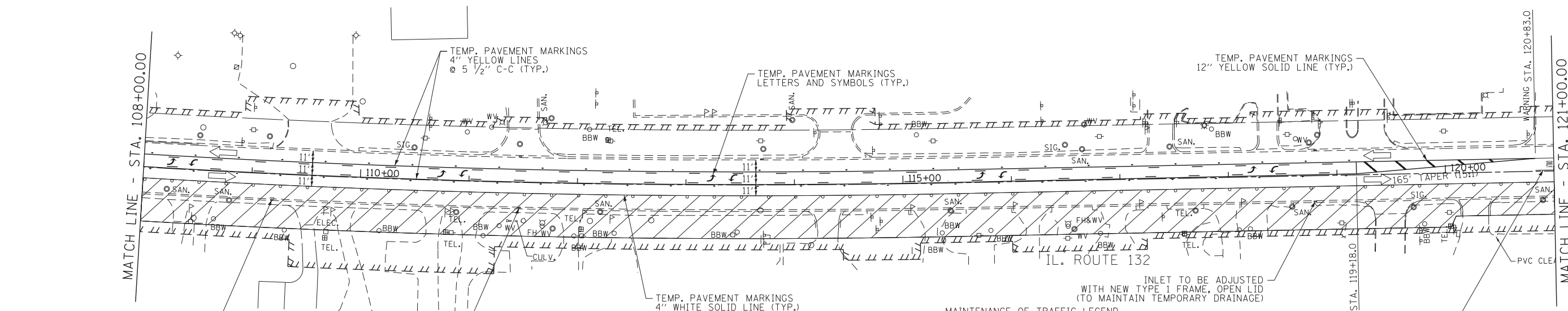
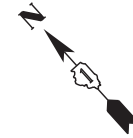
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE I

SCALE: 1"=50' SHEET OF SHEETS STA. 79+00.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	61
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



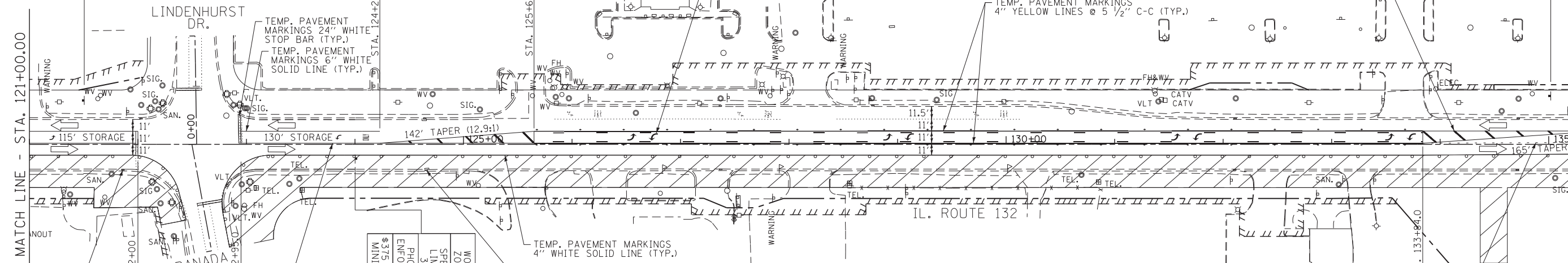
INLET TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (TO MAINTAIN TEMPORARY DRAINAGE)

INLET TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (TO MAINTAIN TEMPORARY DRAINAGE)

- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT

NOTES:
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
#375 FINE MINIMUM	R2-1106p-3618



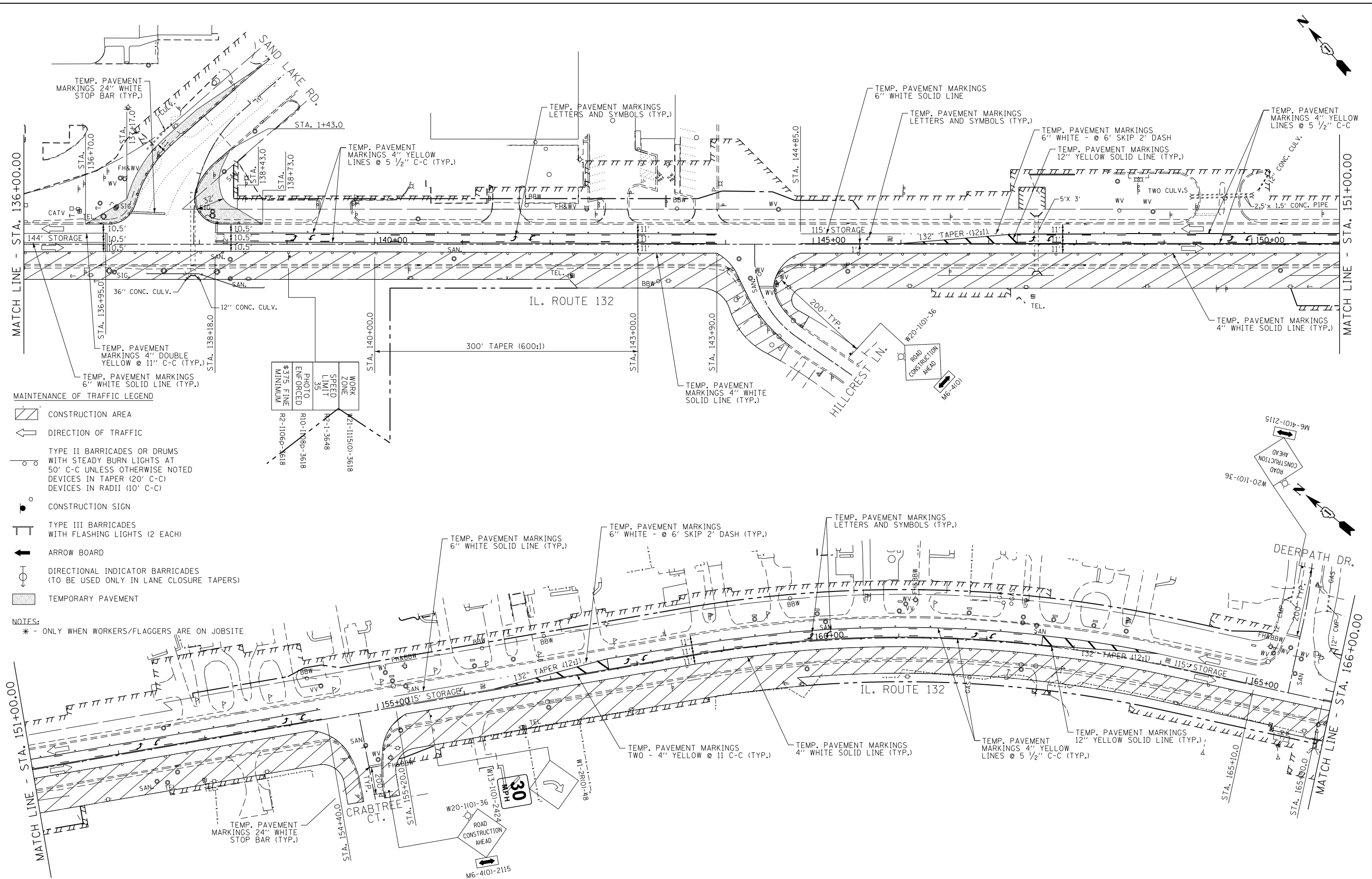
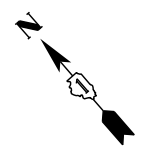
INLET TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (TO MAINTAIN TEMPORARY DRAINAGE)

TEMP. PAVEMENT MARKINGS 4" DOUBLE YELLOW @ 11" C-C (TYP.)

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
#375 FINE MINIMUM	R2-1106p-3618

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
#375 FINE MINIMUM	R2-1106p-3618

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE I			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN -	BCD	REVISED -			541	A-WRS-2	LAKE	345	62			
\$MODELNAME\$		CHECKED -	BDH	REVISED -			CONTRACT NO. 60V55							
		DATE -	1/29/2018	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA.108+00.00	TO	STA.136+00.00	ILLINOIS FED. AID PROJECT



- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT

WORK ZONE	W21-115(0)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-119p-3618
\$375 FINE MINIMUM	R2-1106p-3618

NOTES:
 * - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

FILE NAME -	USER NAME - #USER#	DESIGNED -	BLG	REVISED -	
#FILE#		DRAWN -	BCD	REVISED -	
		CHECKED -	BDH	REVISED -	
#MODELNAME#		DATE -	4/28/2017	REVISED -	








**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE I

SCALE: 1"=50' SHEET OF SHEETS STA. 136+00.00 TO STA. 166+00.00

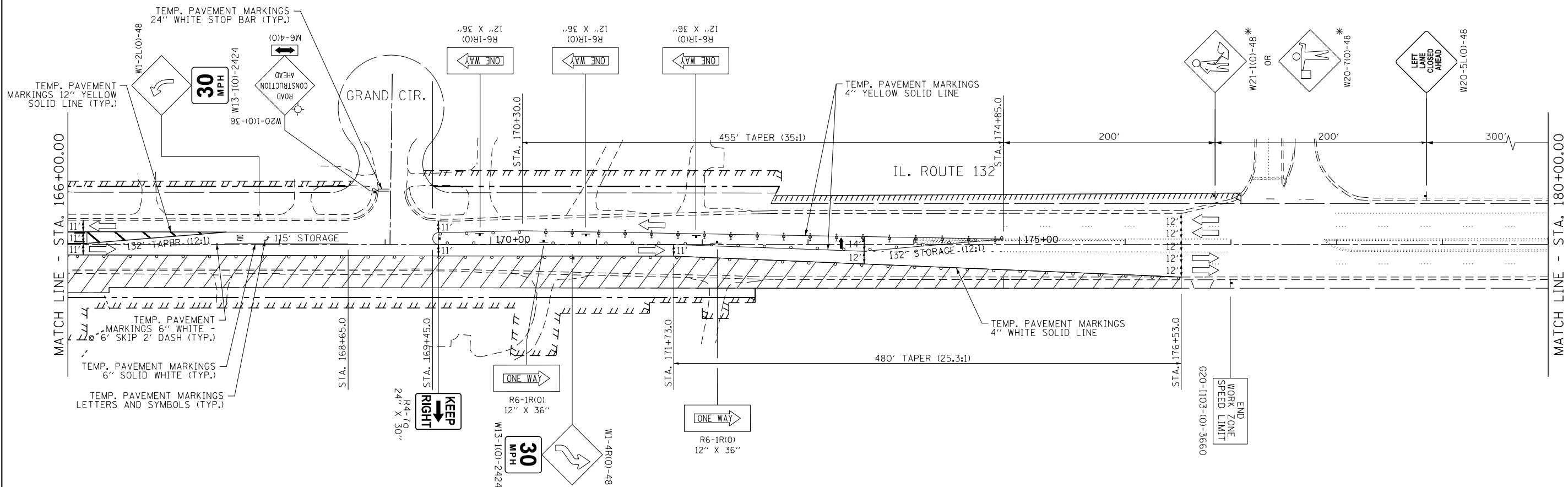
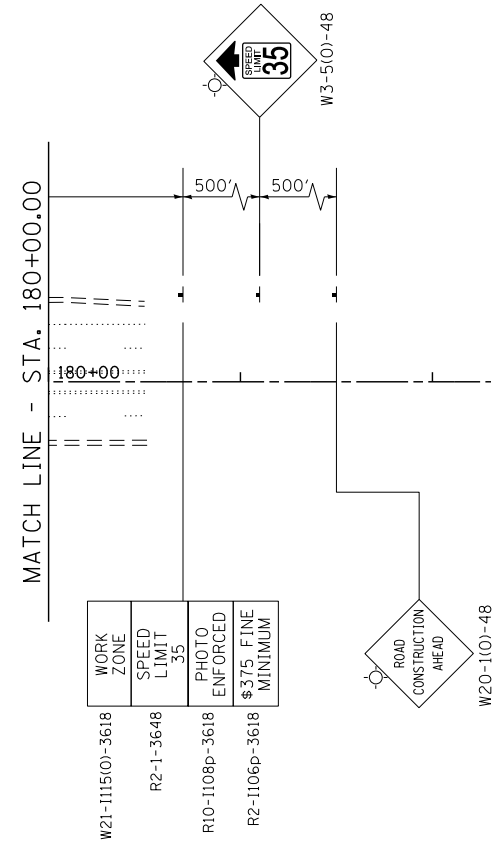
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	63
CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC LEGEND

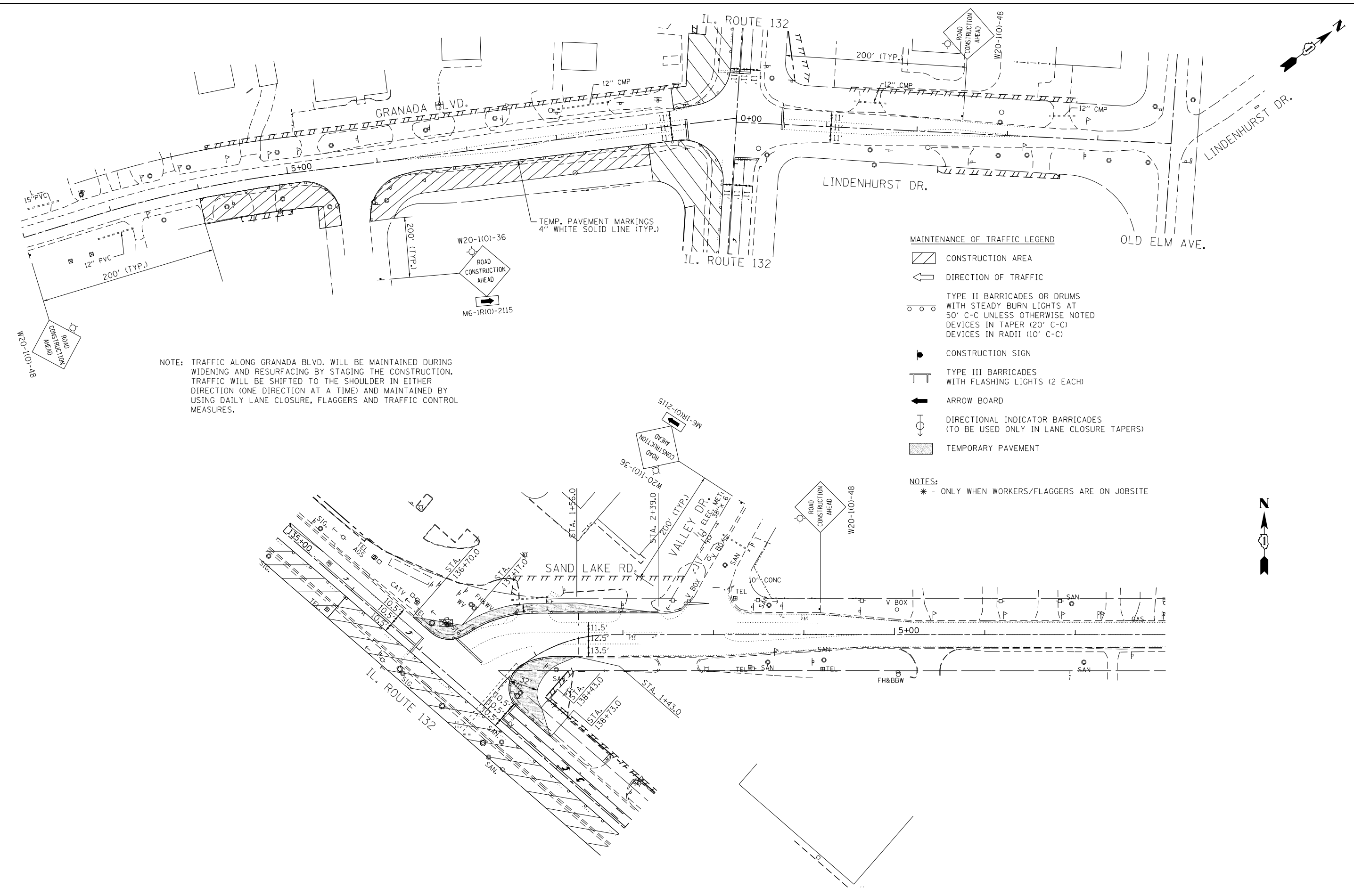
-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)

NOTES:

* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE I			F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 64
	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. 166+00.00 TO STA. 180+00.00			CONTRACT NO. 60V55				
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -	ILLINOIS FED. AID PROJECT								



NOTE: TRAFFIC ALONG GRANADA BLVD. WILL BE MAINTAINED DURING WIDENING AND RESURFACING BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE SHOULDER IN EITHER DIRECTION (ONE DIRECTION AT A TIME) AND MAINTAINED BY USING DAILY LANE CLOSURE, FLAGGERS AND TRAFFIC CONTROL MEASURES.









- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT

NOTES:
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

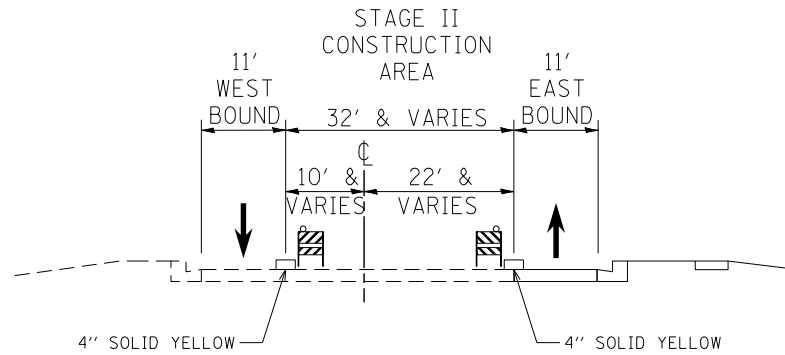


FILE NAME =	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE I			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN - BCD	REVISED -		541	A-WRS-2	LAKE	345	65	CONTRACT NO. 60V55		
\$MODELNAME\$		CHECKED - BDH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/28/2017	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	

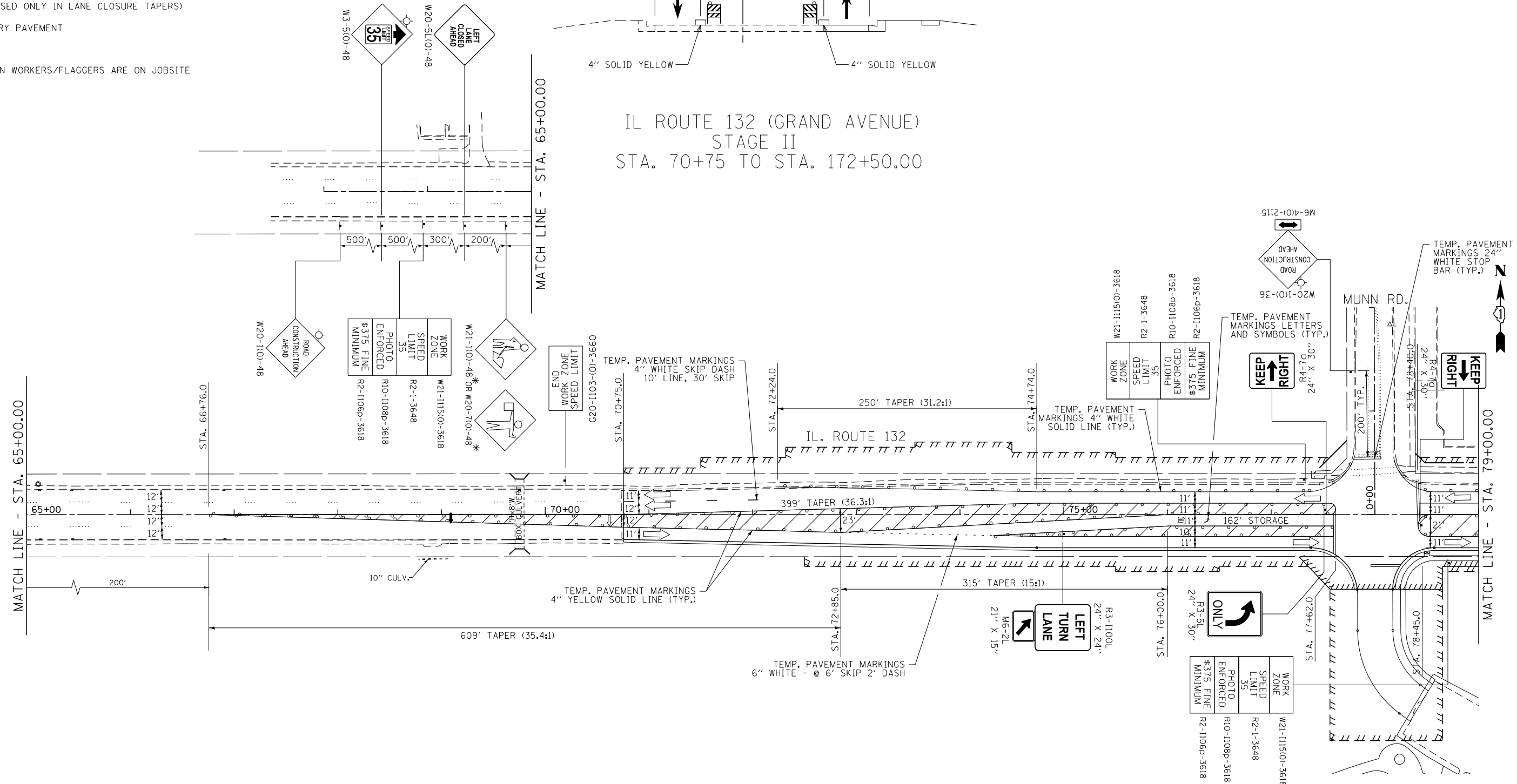
MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

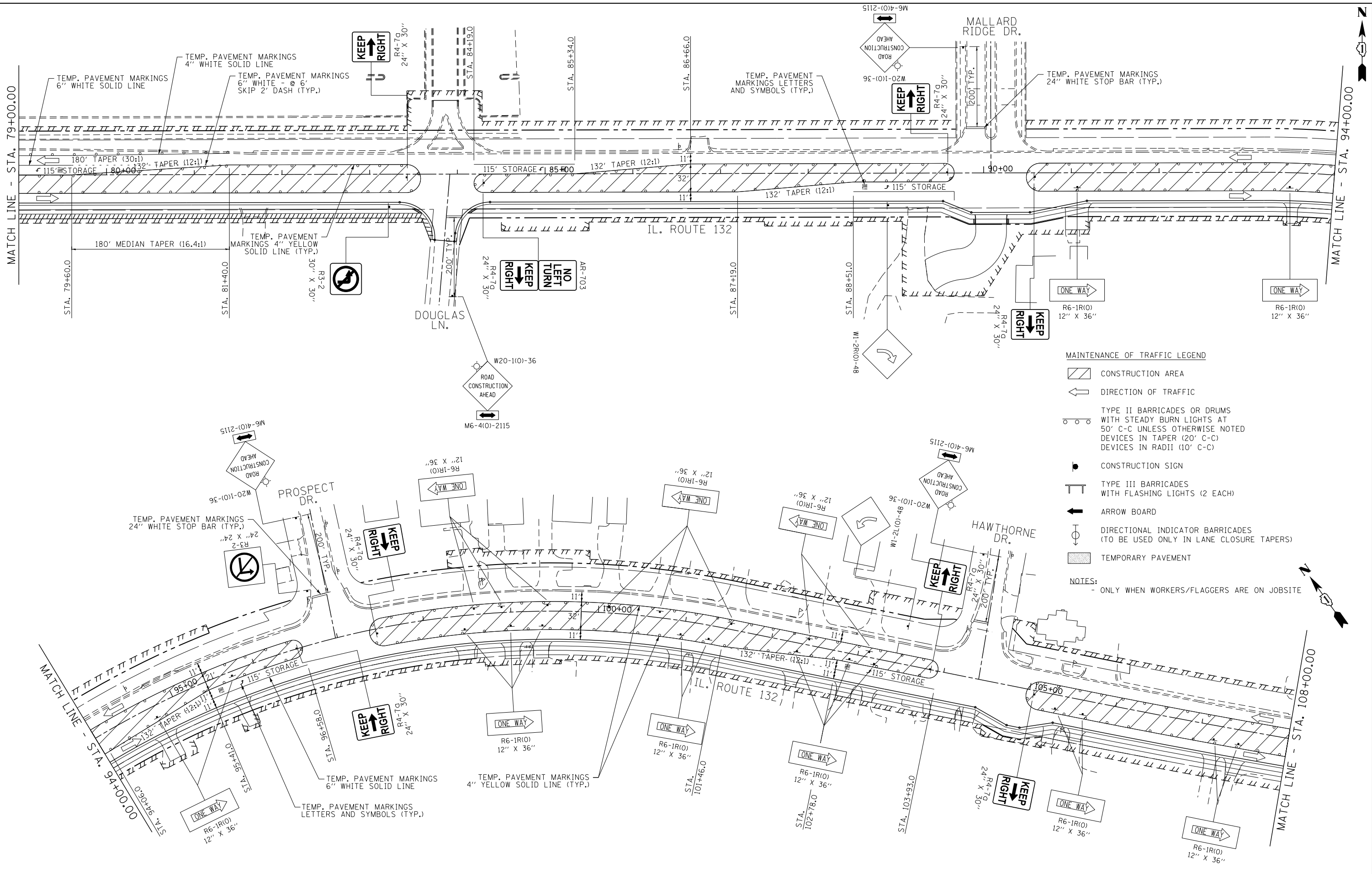
NOTES:
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



IL ROUTE 132 (GRAND AVENUE)
STAGE II
STA. 70+75 TO STA. 172+50.00



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE II			F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 66
MODELNAME#	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 64+00.00	TO	STA. 79+00.00	CONTRACT NO. 60V55
	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -		ILLINOIS FED. AID PROJECT							



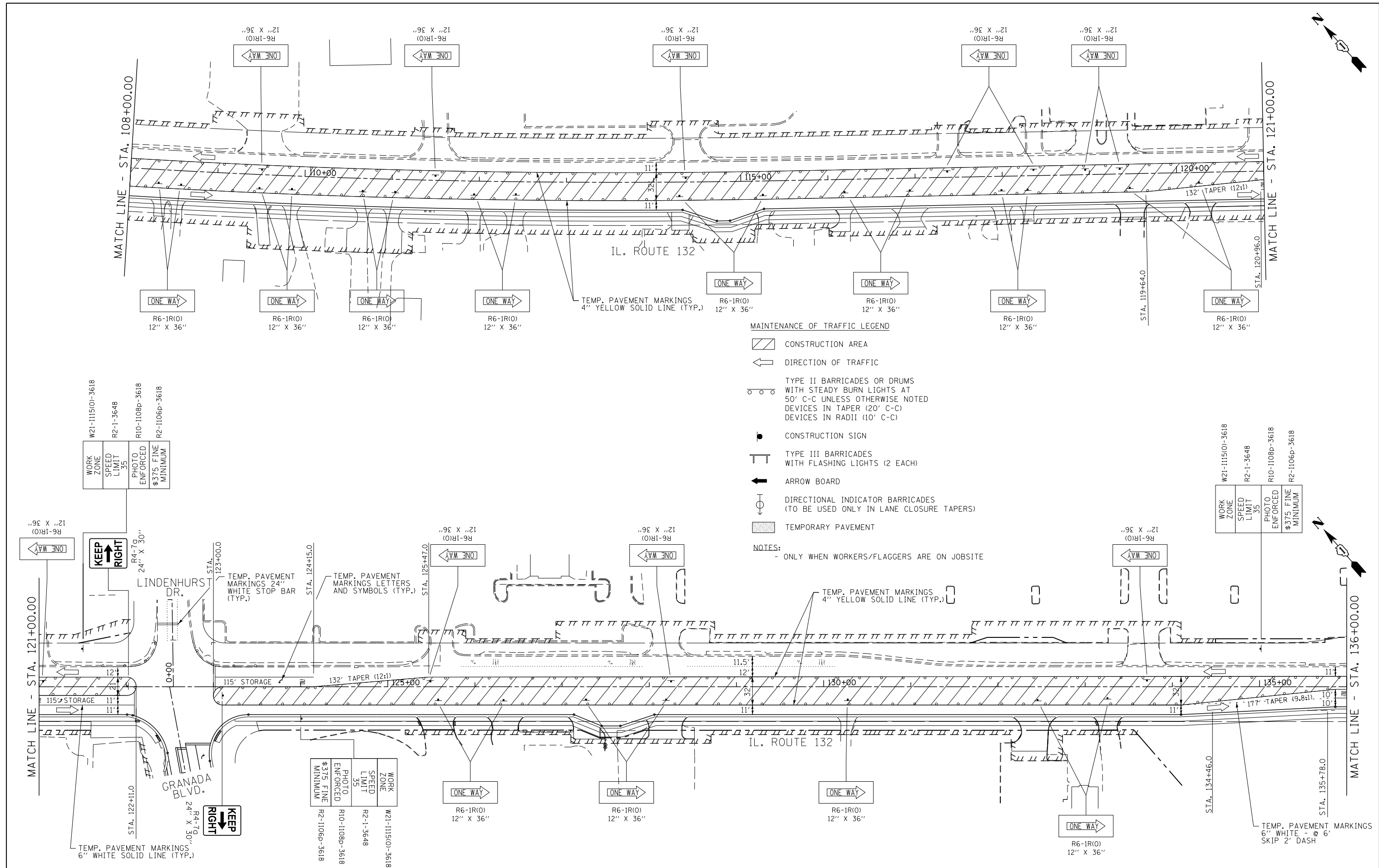
- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT
- NOTES:**
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

FILE NAME =	USER NAME = #USER#	DESIGNED -	BLG	REVISED -	
#FILE#		DRAWN -	BCD	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	BDH	REVISED -	
#MODELNAME#	PLOT DATE = #DATE#	DATE -	4/28/2017	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE II			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA. 79+00.00		TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	67
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT
- NOTES:**
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
MINIMUM	R2-1106p-3618

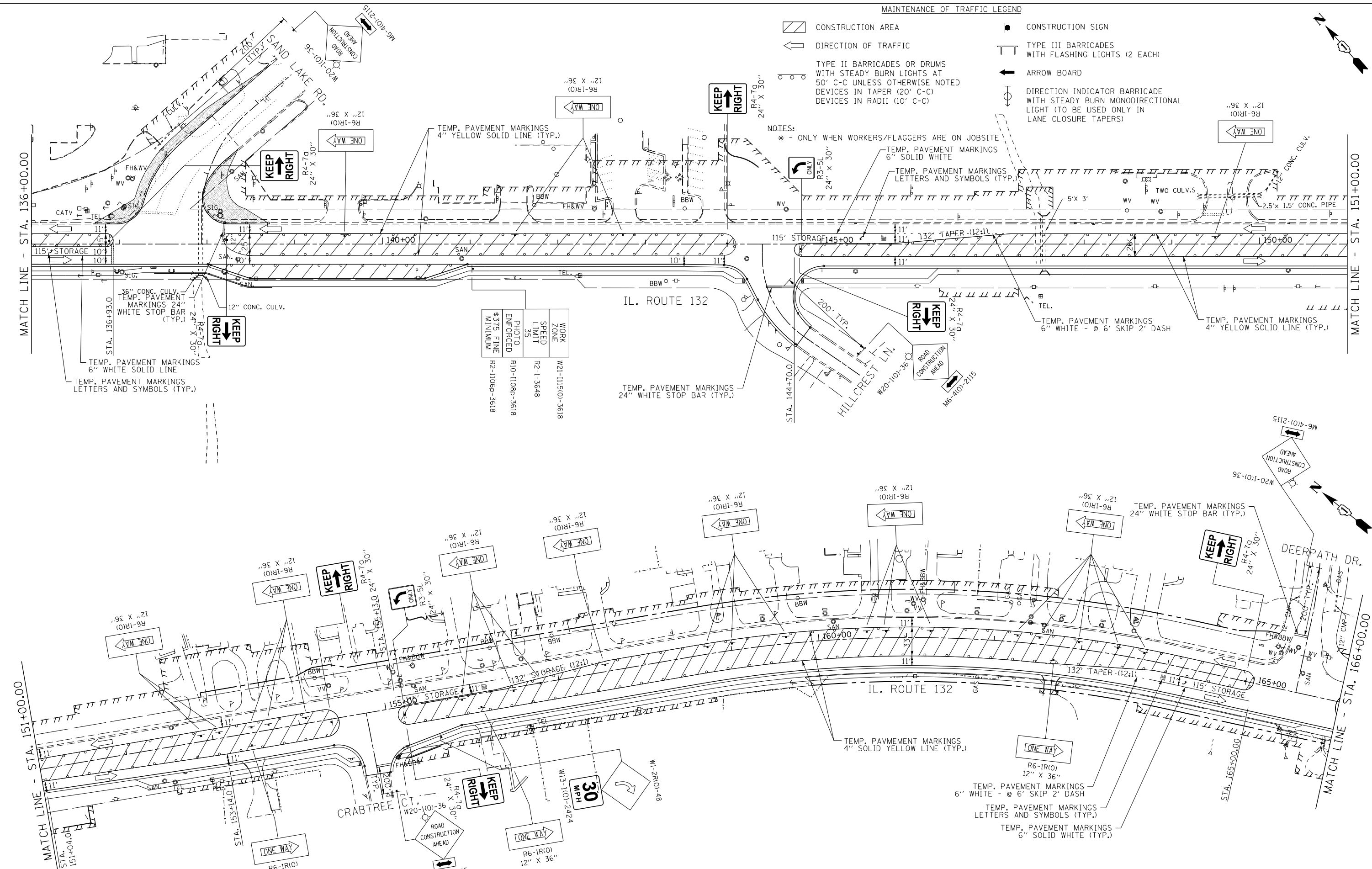
WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
MINIMUM	R2-1106p-3618

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
MINIMUM	R2-1106p-3618

MAINTENANCE OF TRAFFIC LEGEND








- CONSTRUCTION AREA
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- CONSTRUCTION SIGN
- TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (TO BE USED ONLY IN LANE CLOSURE TAPERS)

NOTES:
 * - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



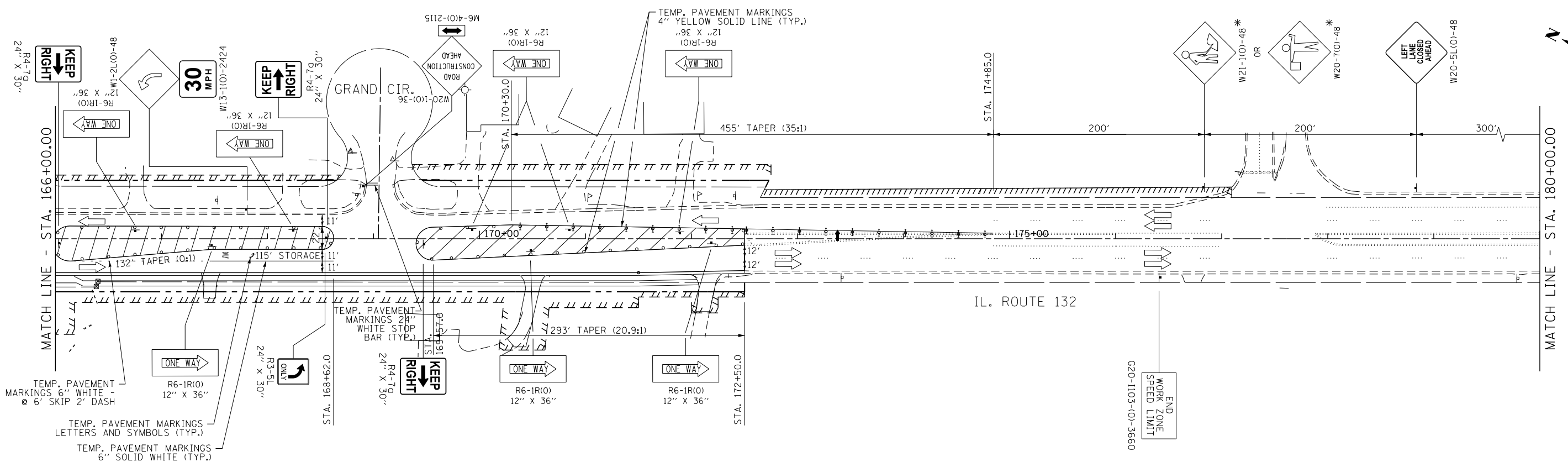
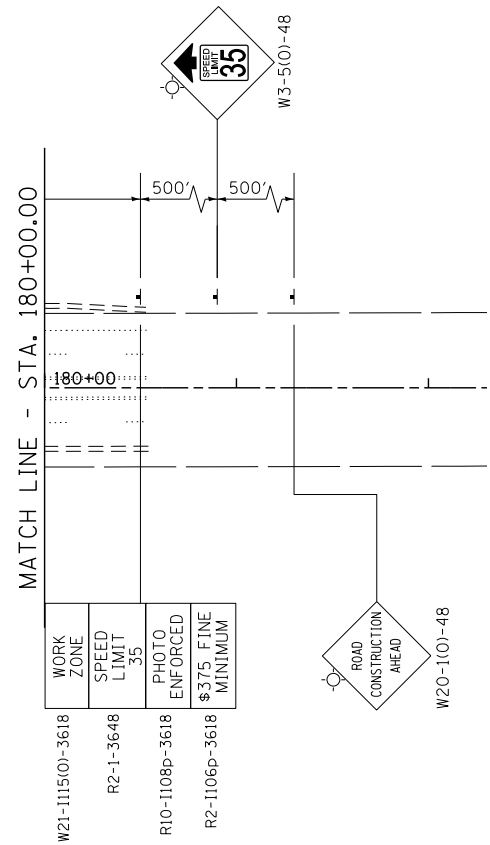
WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108P-3618
MINIMUM	R2-1106P-3618

MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)









NOTES:

* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



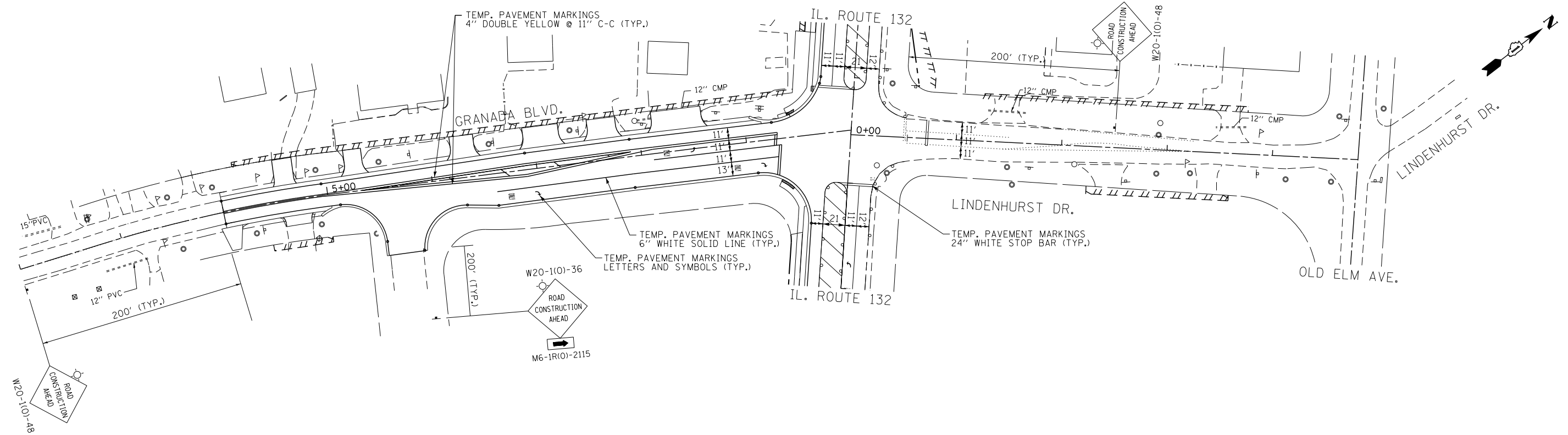
FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE II	F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 70
		DRAWN - BCD	REVISED -			CONTRACT NO. 60V55				
#MODELNAME#	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -	SCALE: 1"=50'		SHEET OF SHEETS		STA. 166+00.00 TO STA. 180+00.00		
	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -	ILLINOIS FED. AID PROJECT						

MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

NOTES:

- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
\$FILEL\$		DRAWN -	BCD	REVISED -	
\$MODELNAME\$		CHECKED -	BDH	REVISED -	
	PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -	









**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE II

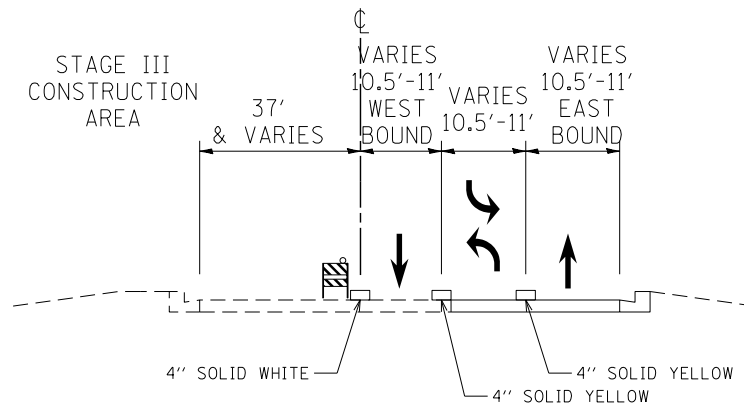
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	71
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

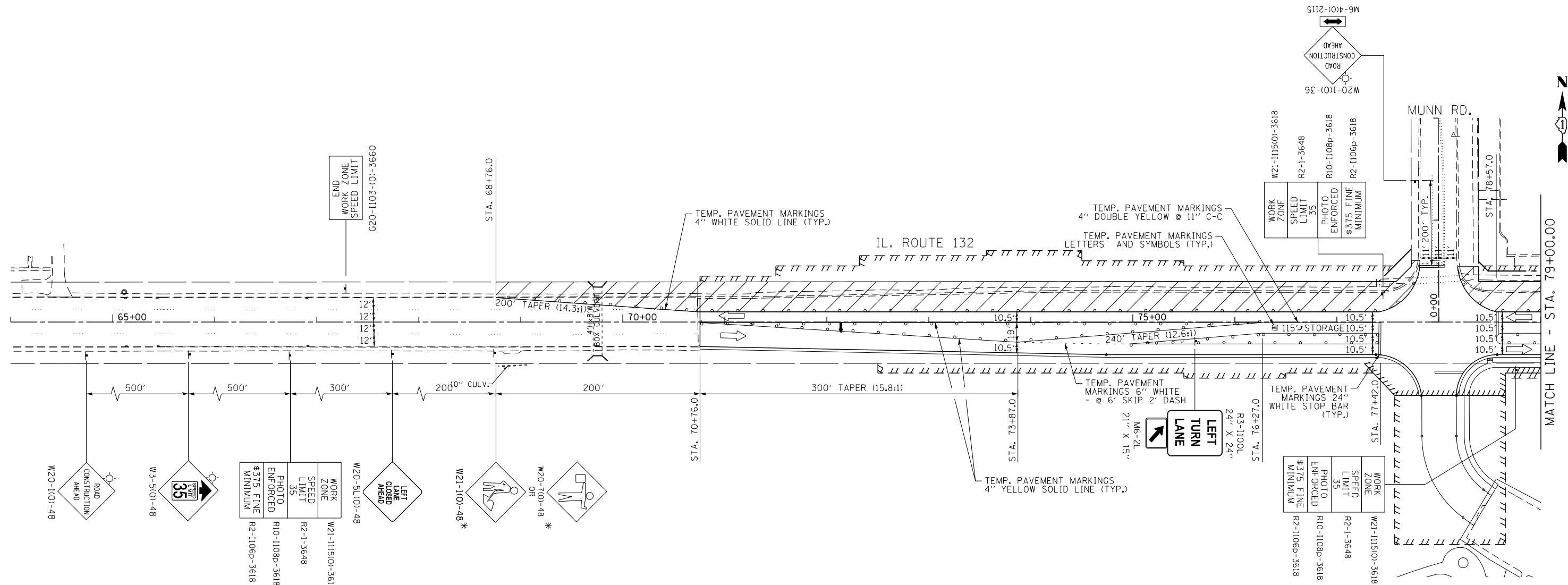
MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

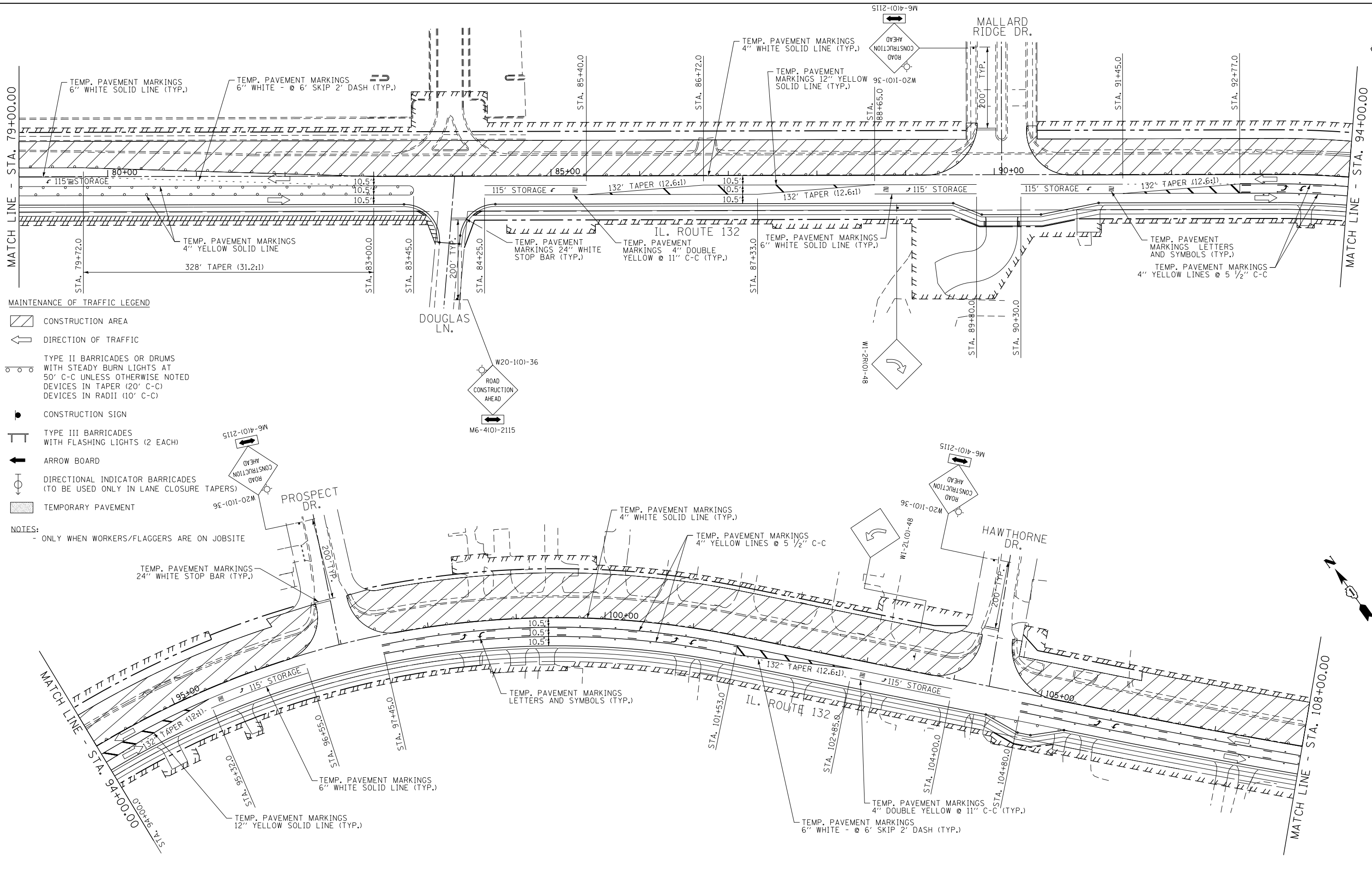
NOTES:
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE











IL ROUTE 132 (GRAND AVENUE)
STAGE III
STA. 70+75 TO STA. 172+50.00



FILE NAME =	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE III			F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 72
\$FILEL\$		DRAWN - BCD	REVISED -		SCALE: 1"=50'			SHEET OF SHEETS STA. 64+00.00 TO STA. 79+00.00			CONTRACT NO. 60V55	
\$MODELNAME\$		CHECKED - BDH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/28/2017	REVISED -									

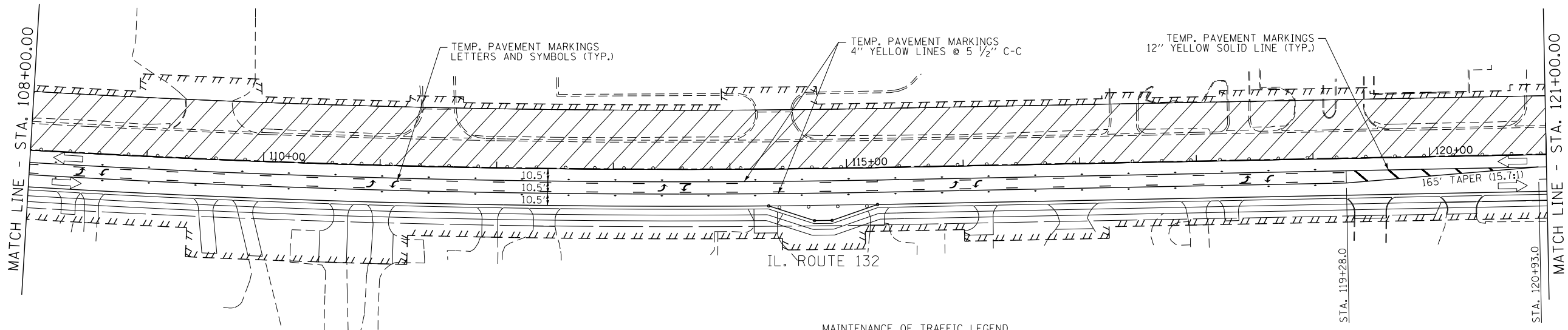


MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

NOTES:
 - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

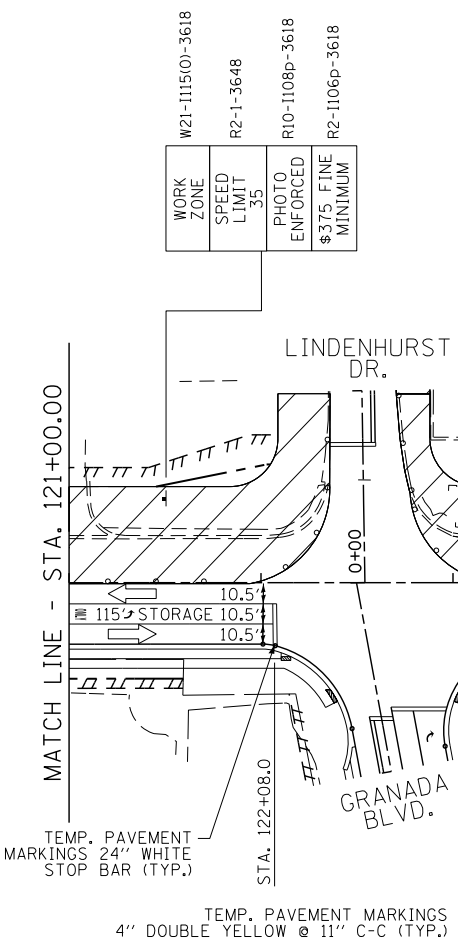
FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE III	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -			541	A-WRS-2	LAKE	345	73
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -	SCALE: 1"=50'		SHEET OF SHEETS		STA. 79+00.00 TO STA. 108+00.00		CONTRACT NO. 60V55



MAINTENANCE OF TRAFFIC LEGEND

- CONSTRUCTION AREA
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
- CONSTRUCTION SIGN
- TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
- TEMPORARY PAVEMENT

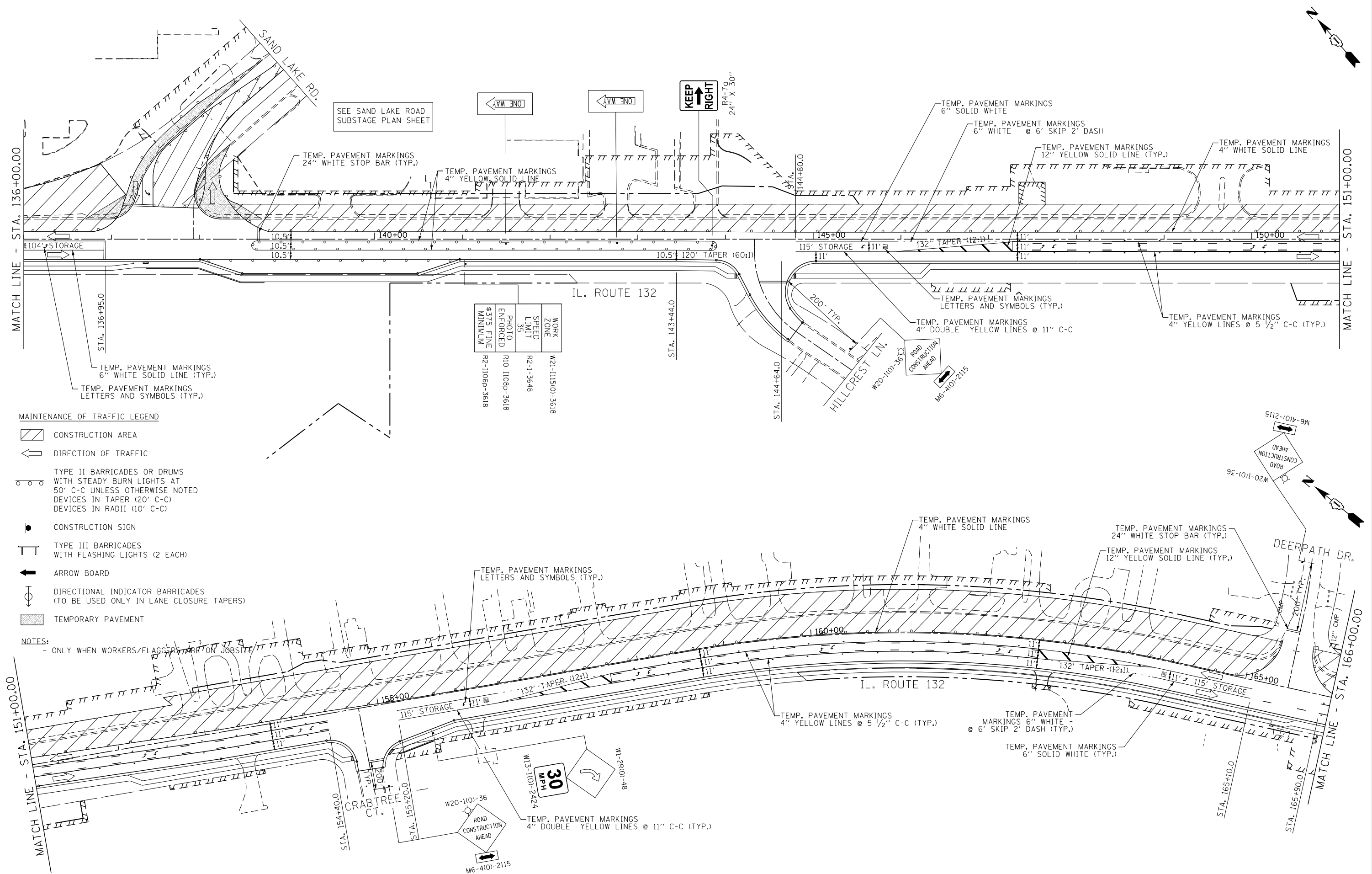
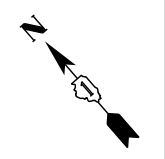
NOTES:
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
\$375 FINE MINIMUM	R2-1106p-3618

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
\$375 FINE MINIMUM	R2-1106p-3618

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE III			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN -	BCD	REVISED -						541	A-WRS-2	LAKE	345	74
\$MODELNAME\$		CHECKED -	BDH	REVISED -			CONTRACT NO. 60V55							
		DATE -	4/28/2017	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 108+00.00	TO	STA. 136+00.00	ILLINOIS FED. AID PROJECT










- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT
- NOTES:**
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

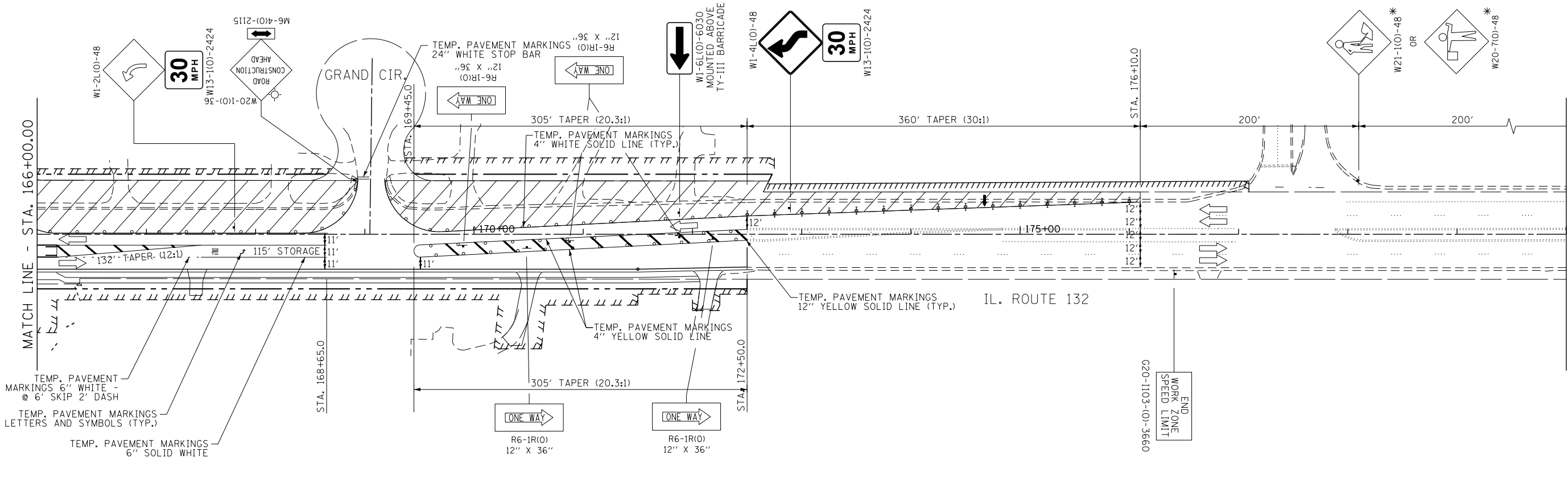
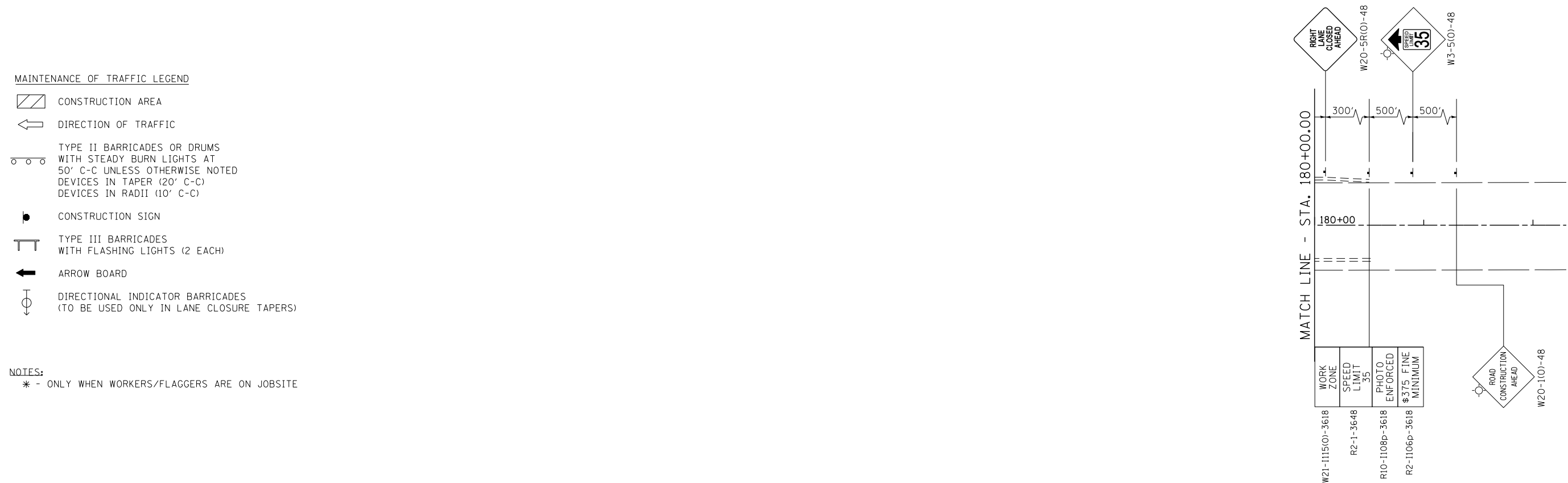
WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108P-3618
MINIMUM	R2-1106P-3618

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE III			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN -	BCD	REVISED -						541	A-WRS-2	LAKE	345	75
\$MODELNAME\$		CHECKED -	BDH	REVISED -			CONTRACT NO. 60V55							
		DATE -	4/28/2017	REVISED -			ILLINOIS FED. AID PROJECT							

MAINTENANCE OF TRAFFIC LEGEND









-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)

NOTES:
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

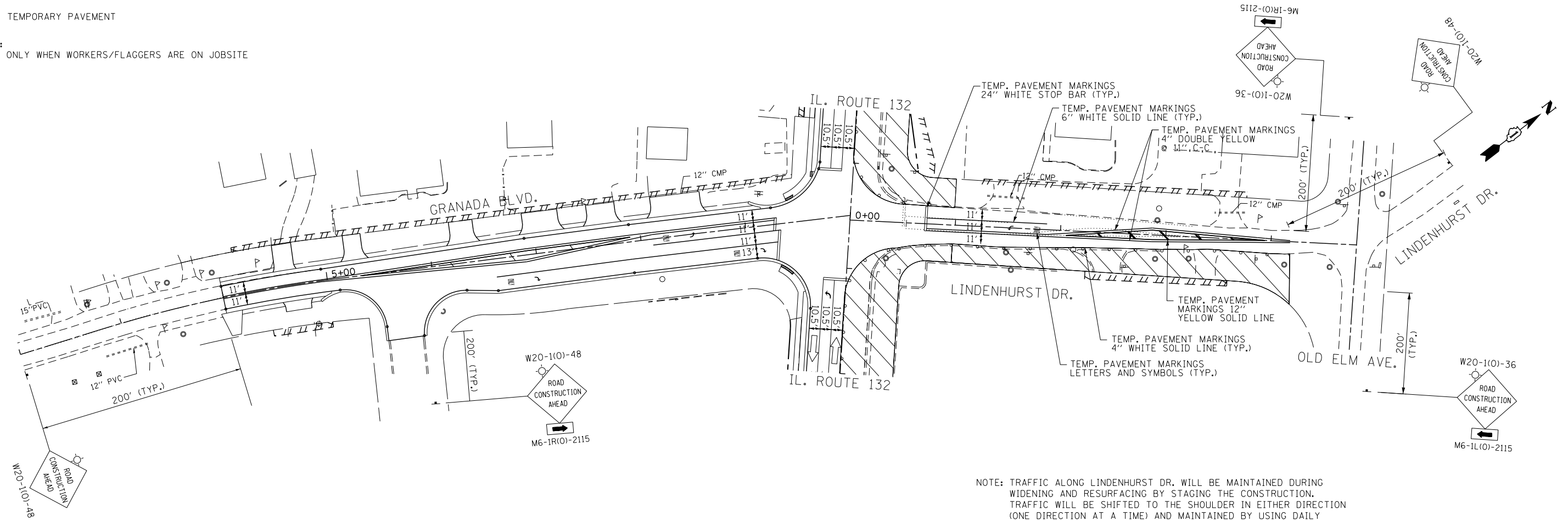


FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE III			F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 76
	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -		SCALE: 1"=50'	SHEET OF SHEETS	STA. 166+00.00 TO STA. 180+50.00	CONTRACT NO. 60V55				
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -		ILLINOIS FED. AID PROJECT							

MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

NOTES:
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



NOTE: TRAFFIC ALONG LINDENHURST DR. WILL BE MAINTAINED DURING WIDENING AND RESURFACING BY STAGING THE CONSTRUCTION. TRAFFIC WILL BE SHIFTED TO THE SHOULDER IN EITHER DIRECTION (ONE DIRECTION AT A TIME) AND MAINTAINED BY USING DAILY LANE CLOSURE, FLAGGERS AND TRAFFIC CONTROL MEASURES.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
\$FILEL\$		DRAWN -	BCD	REVISED -	
\$MODELNAME\$		CHECKED -	BDH	REVISED -	
	PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -	









**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE III

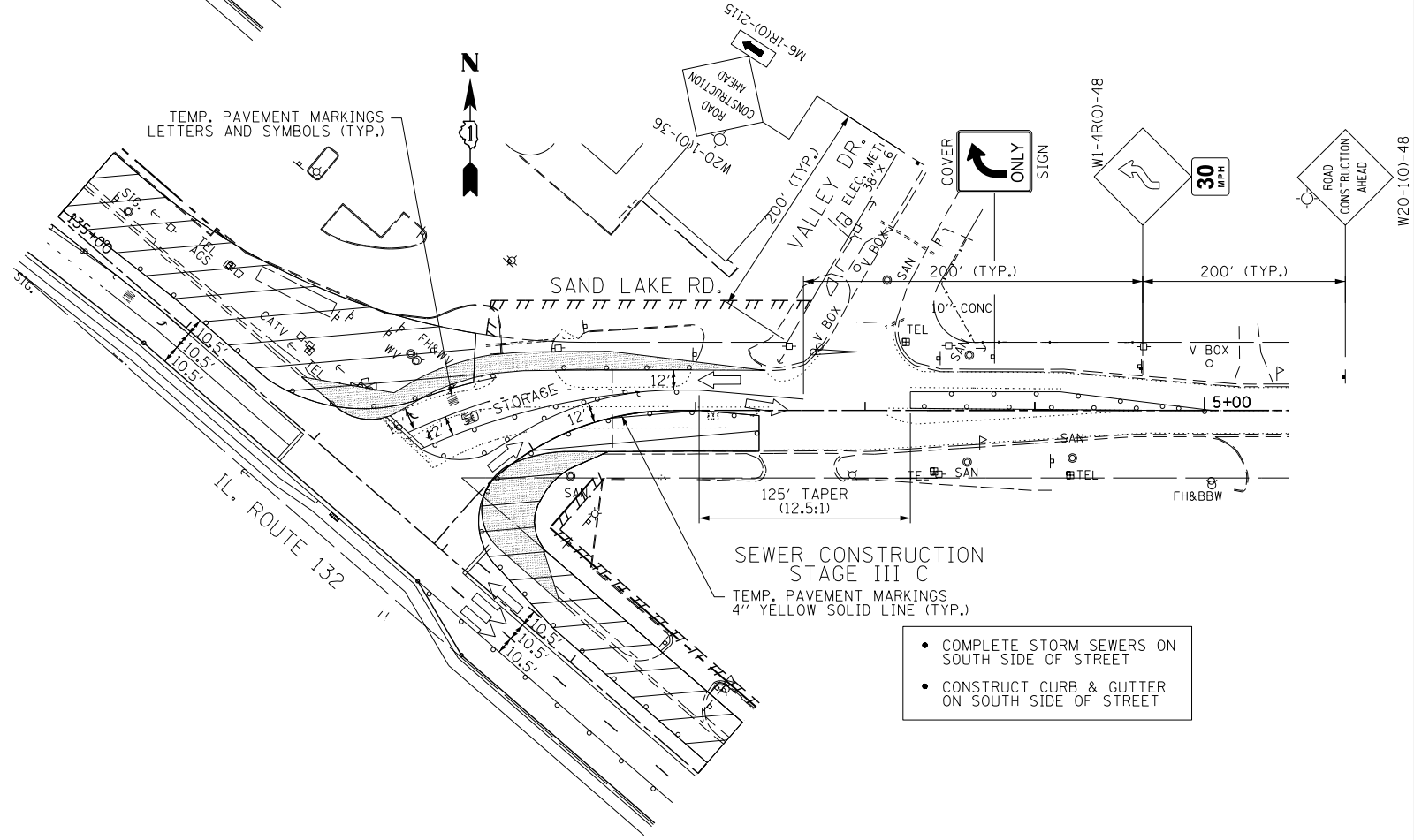
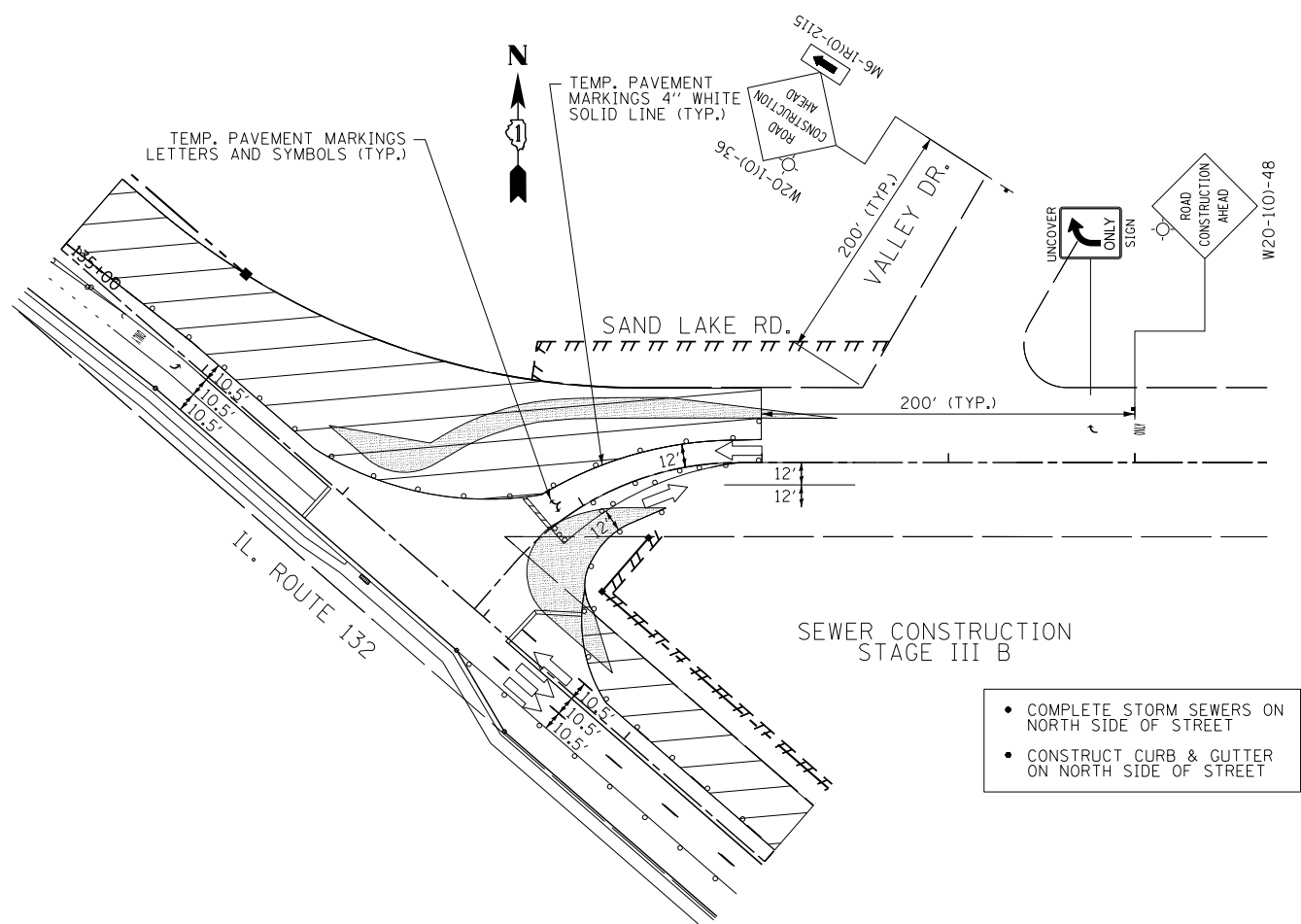
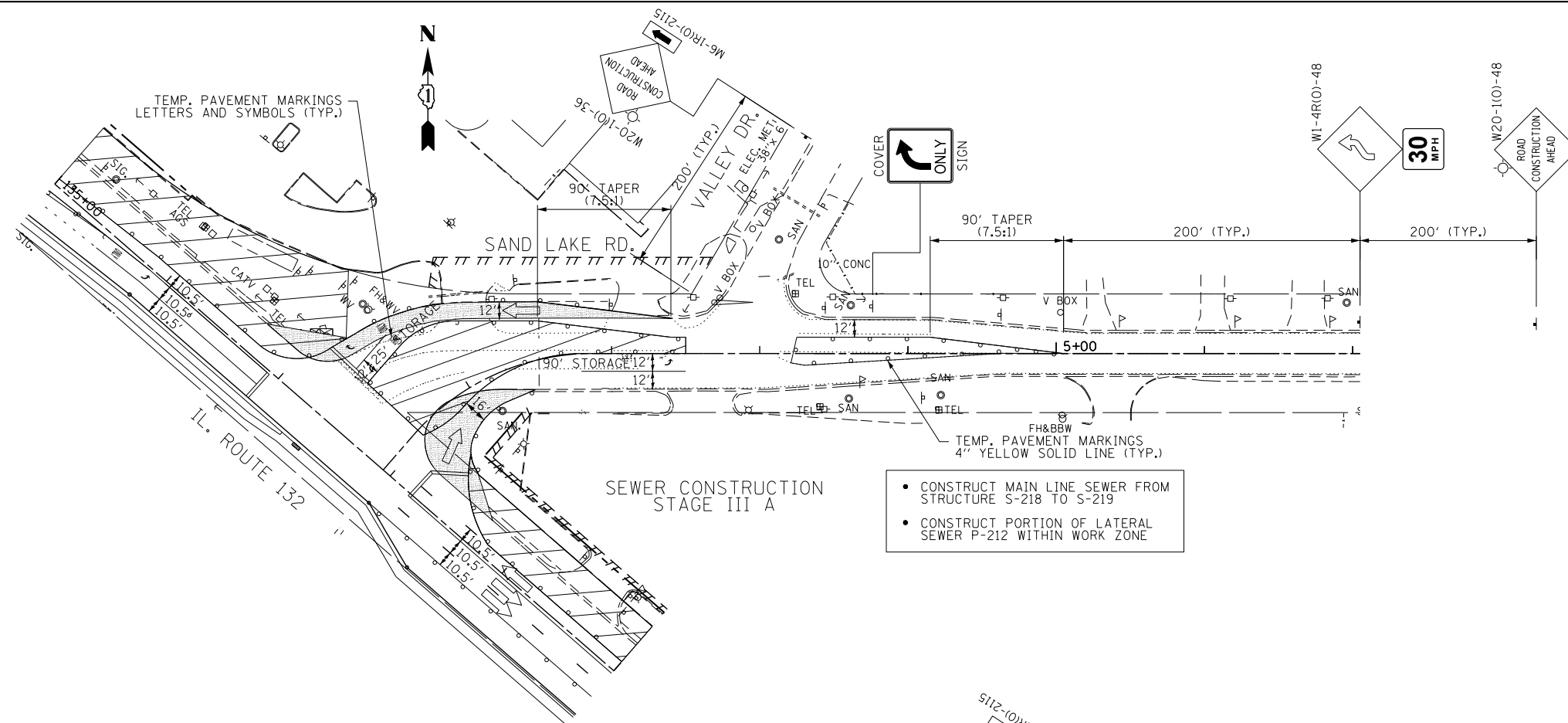
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	77
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC LEGEND

-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
-  TEMPORARY PAVEMENT

NOTES:
 - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



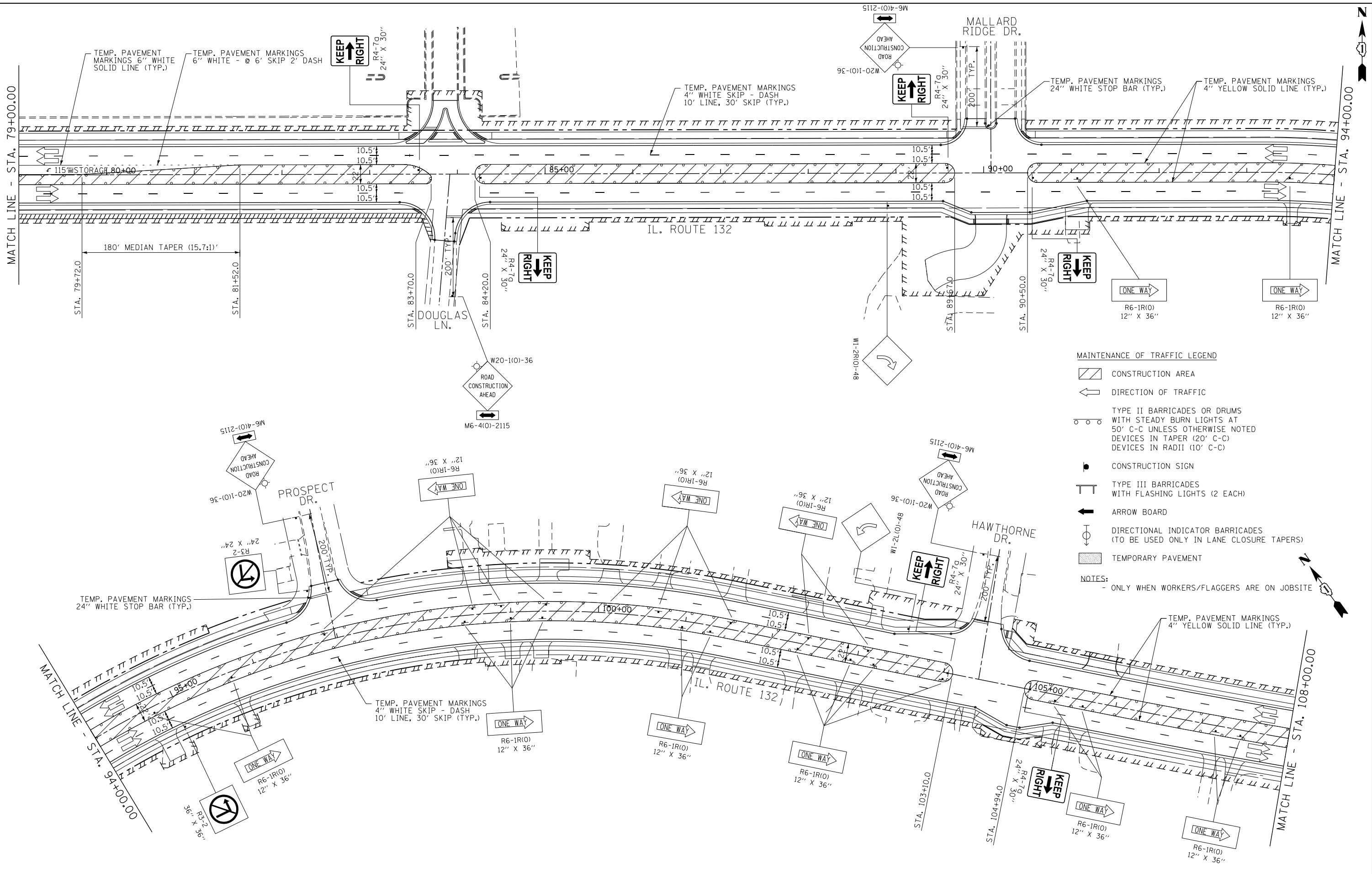
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
\$FILE\$		DRAWN -	BCD	REVISED -	
\$MODELNAME\$		PLOT SCALE = \$SCALE\$	CHECKED -	BDH	REVISED -
		PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE III

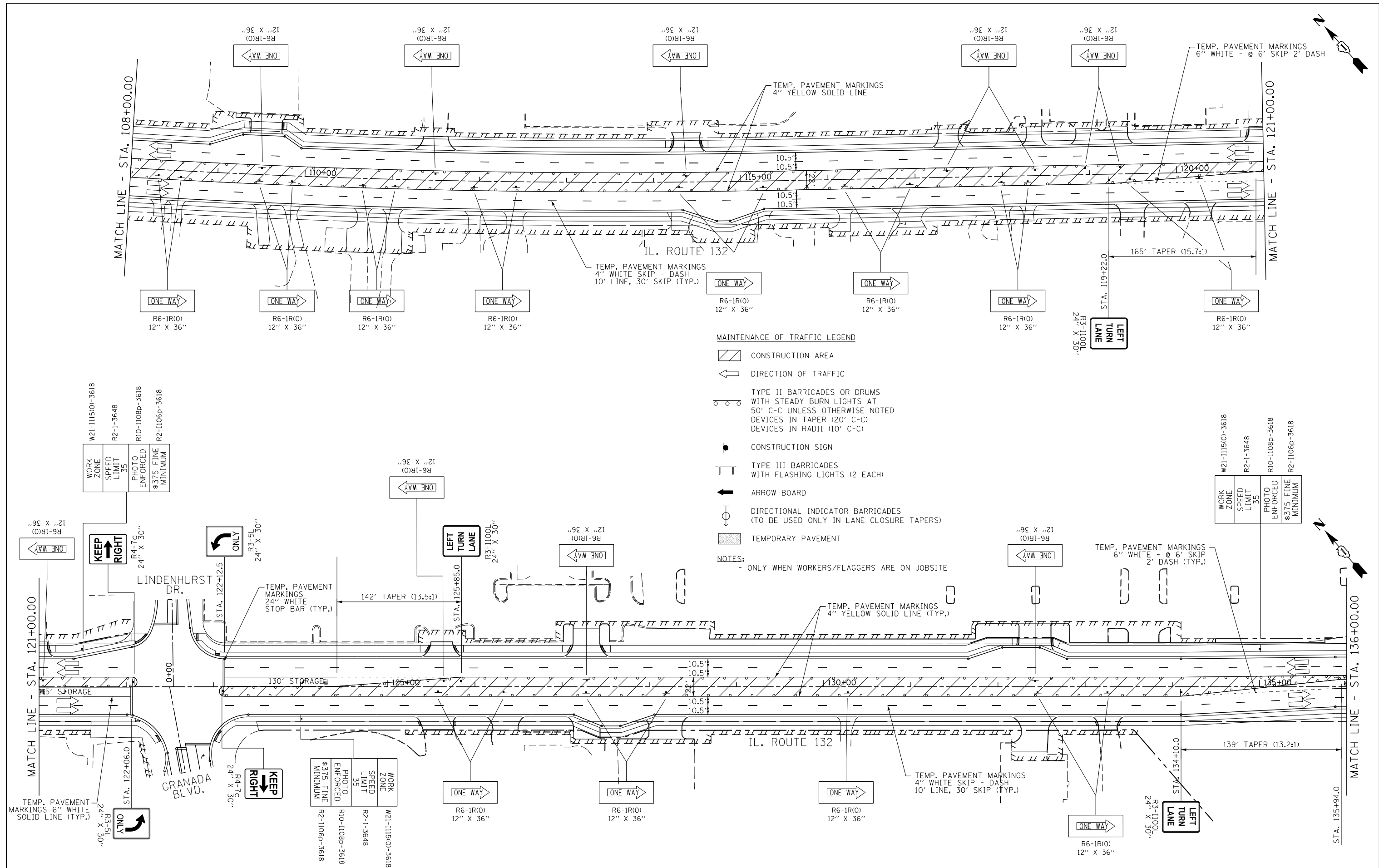
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	78
			CONTRACT NO. 60V55	
ILLINOIS FED. AID PROJECT				



- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT
- NOTES:
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE IV			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\$FILEL\$		DRAWN -	BCD	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	541	A-WRS-2	LAKE	345	80
\$MODELNAME\$		CHECKED -	BDH	REVISED -			STA. 79+00.00	TO	STA. 108+00.00	CONTRACT NO. 60V55					
		DATE -	4/28/2017	REVISED -			ILLINOIS FED. AID PROJECT								

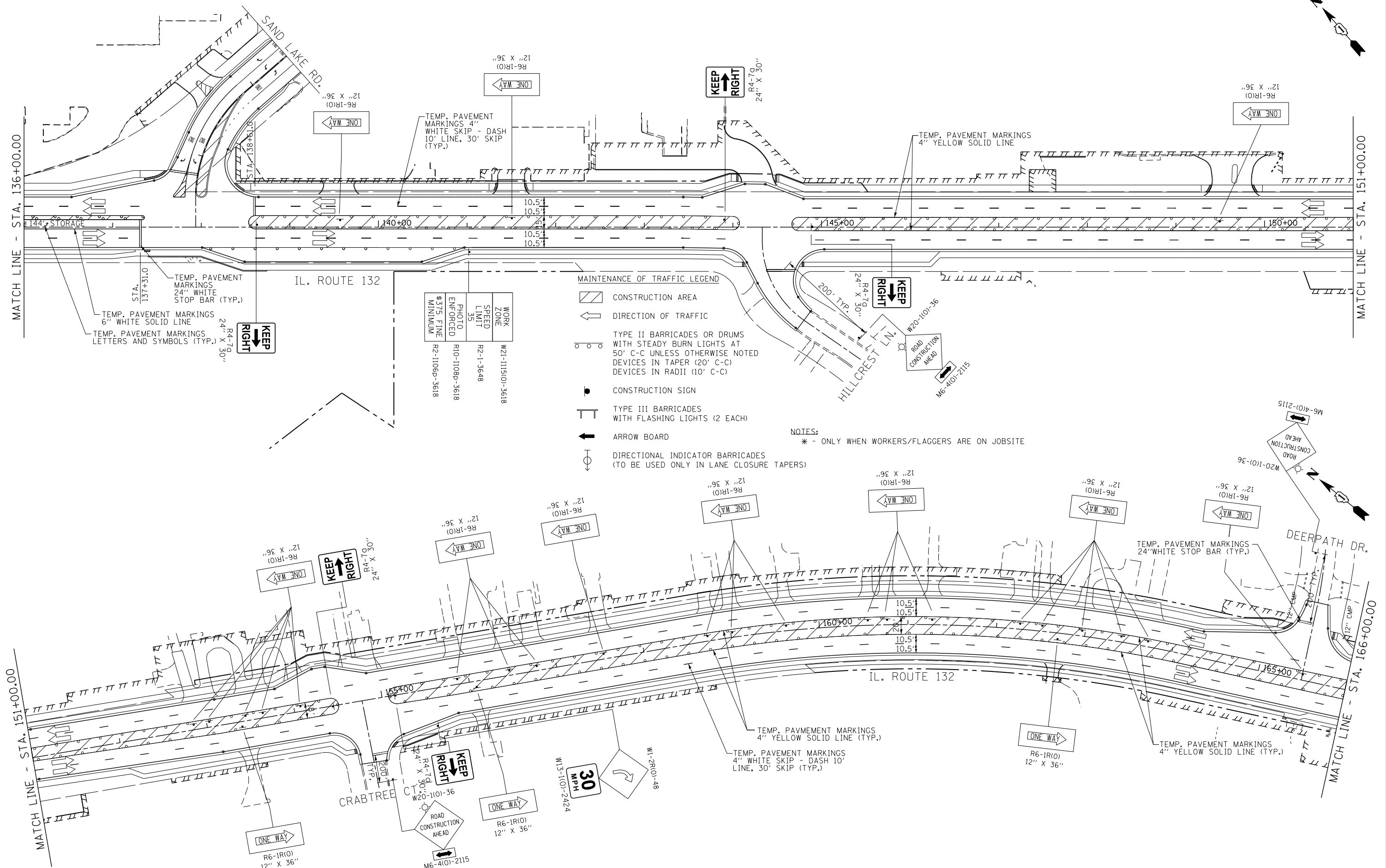
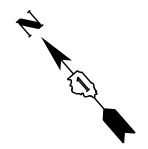


- MAINTENANCE OF TRAFFIC LEGEND**
- CONSTRUCTION AREA
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
 - CONSTRUCTION SIGN
 - TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
 - ARROW BOARD
 - DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
 - TEMPORARY PAVEMENT
- NOTES:**
- ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
\$375 FINE MINIMUM	R2-1106p-3618

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
\$375 FINE MINIMUM	R2-1106p-3618

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
\$375 FINE MINIMUM	R2-1106p-3618



MAINTENANCE OF TRAFFIC LEGEND








	CONSTRUCTION AREA
	DIRECTION OF TRAFFIC
	TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
	CONSTRUCTION SIGN
	TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
	ARROW BOARD
	DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)

WORK ZONE	W21-1115(O)-3618
SPEED LIMIT	R2-1-3648
PHOTO ENFORCED	R10-1108P-3618
MINIMUM	R2-1106P-3618

NOTES:
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

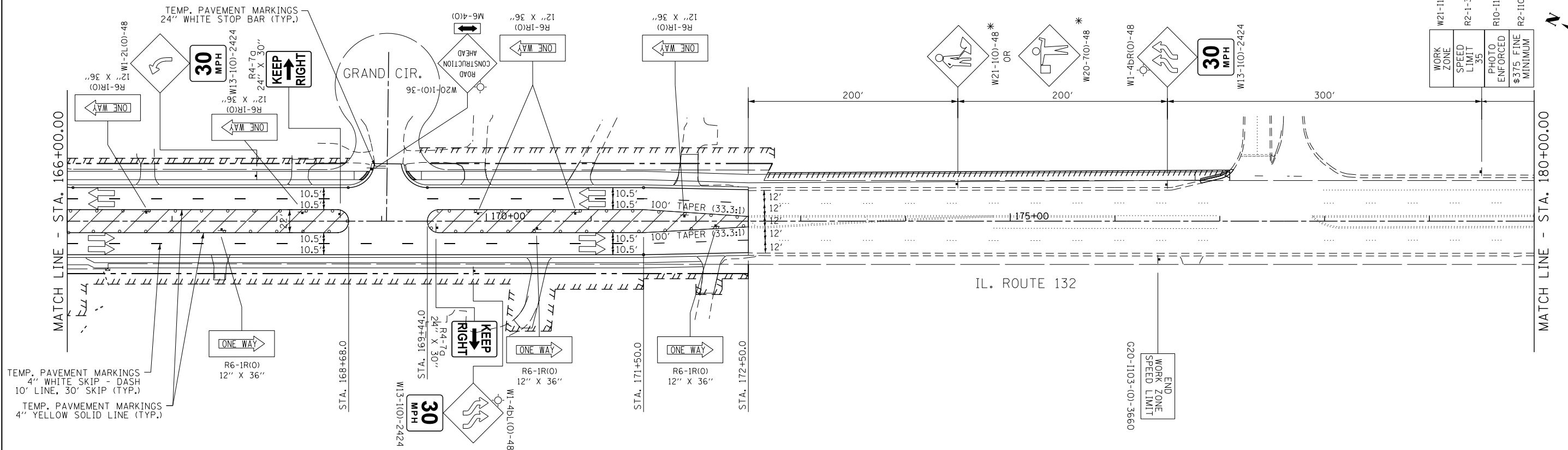
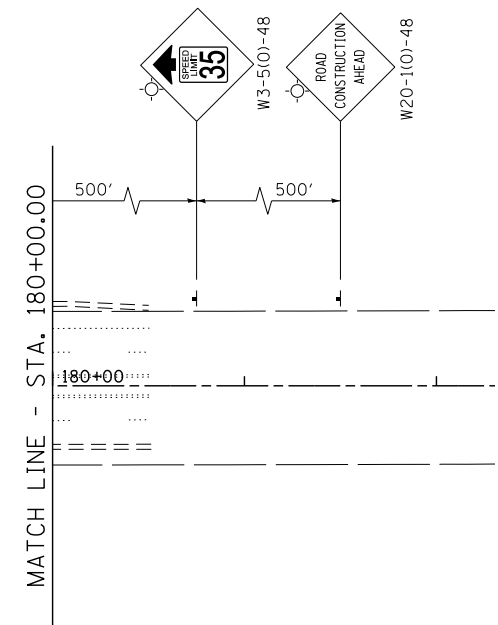
FILE NAME =	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE IV			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
\$FILEL\$		DRAWN - BCD	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 136+00.00	TO STA. 166+00.00	541	A-WRS-2	LAKE	345	82
\$MODELNAME\$		CHECKED - BDH	REVISED -												
		DATE - 4/28/2017	REVISED -												
												CONTRACT NO. 60V55		ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC LEGEND

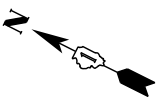
-  CONSTRUCTION AREA
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
-  CONSTRUCTION SIGN
-  TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
-  ARROW BOARD
-  DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)

NOTES:

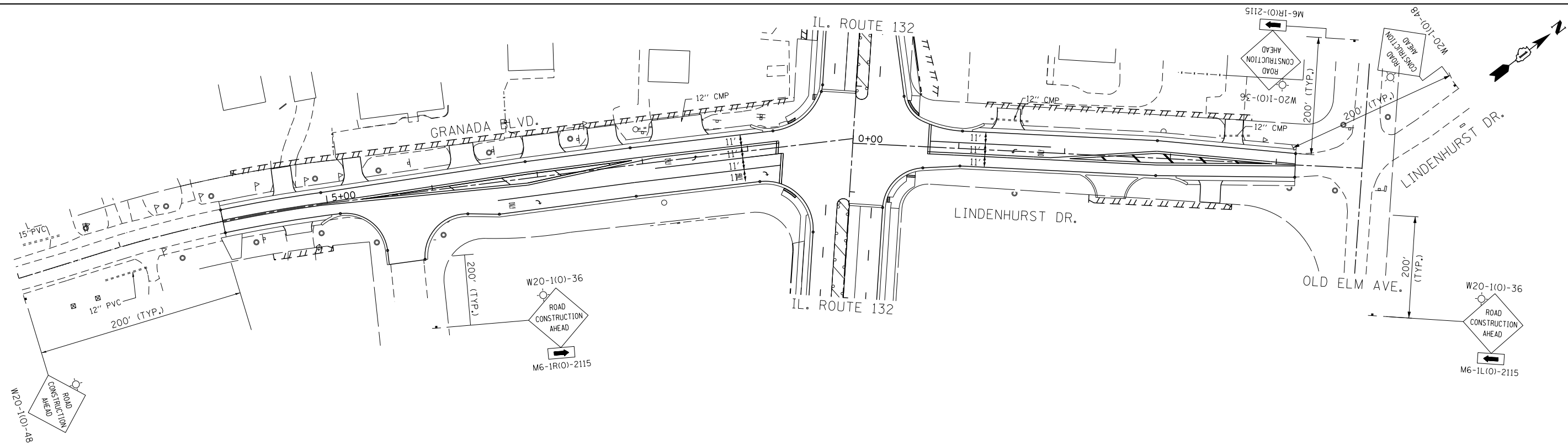
* - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE



WORK ZONE	W21-1115(0)-3618
SPEED LIMIT 35	R2-1-3648
PHOTO ENFORCED	R10-1108p-3618
\$375 FINE MINIMUM	R2-1106p-3618



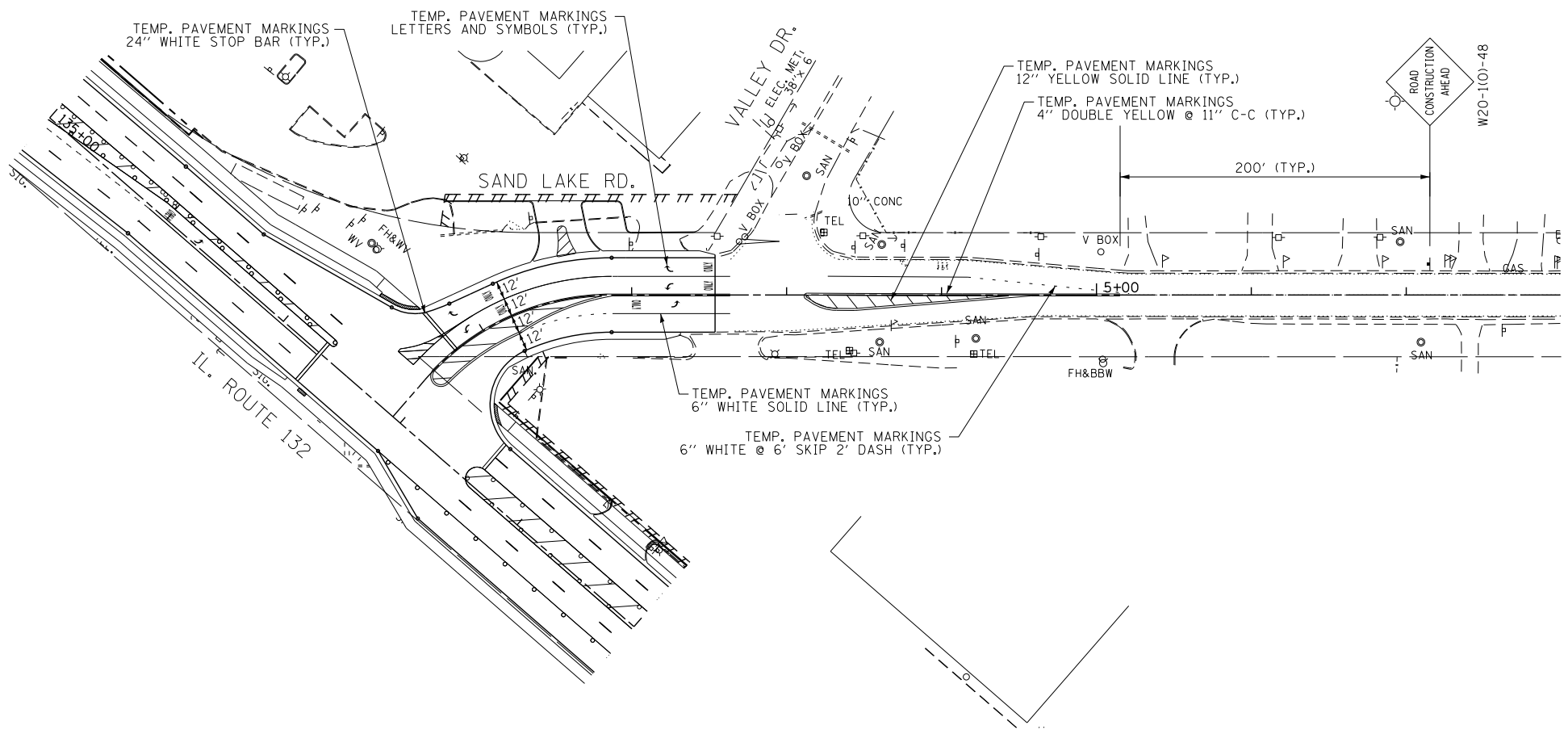
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE IV			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN -	BCD	REVISED -			541	A-WRS-2	LAKE	345	83			
\$MODELNAME\$		CHECKED -	BDH	REVISED -			CONTRACT NO. 60V55							
		DATE -	4/28/2017	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 166+00.00	TO	STA. 180+50.00	ILLINOIS FED. AID PROJECT



MAINTENANCE OF TRAFFIC LEGEND

- CONSTRUCTION AREA
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHTS AT 50' C-C UNLESS OTHERWISE NOTED DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)
- CONSTRUCTION SIGN
- TYPE III BARRICADES WITH FLASHING LIGHTS (2 EACH)
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADES (TO BE USED ONLY IN LANE CLOSURE TAPERS)
- TEMPORARY PAVEMENT

NOTES:
 - ONLY WHEN WORKERS/FLAGGERS ARE ON JOBSITE

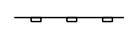










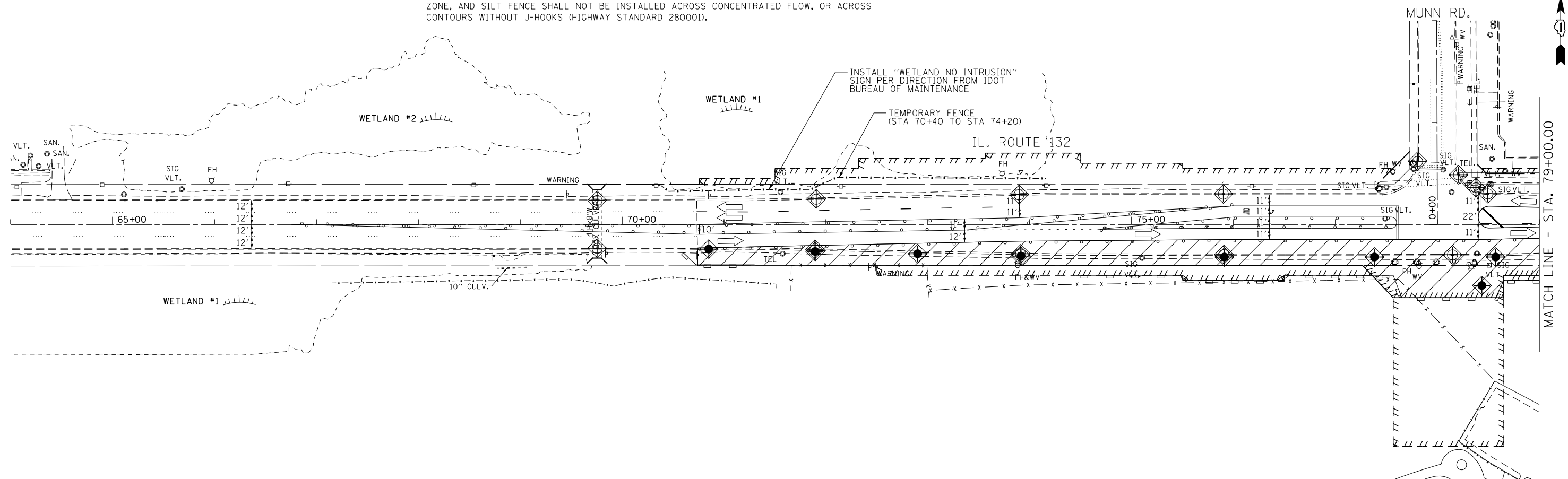
FILE NAME =	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE IV				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILE\$		DRAWN - BCD	REVISED -		541	A-WRS-2	LAKE	345	84				
\$MODELNAME\$		CHECKED - BDH	REVISED -		CONTRACT NO. 60V55				ILLINOIS FED. AID PROJECT				
		DATE - 4/28/2017	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.		

TEMPORARY EROSION CONTROL NOTES

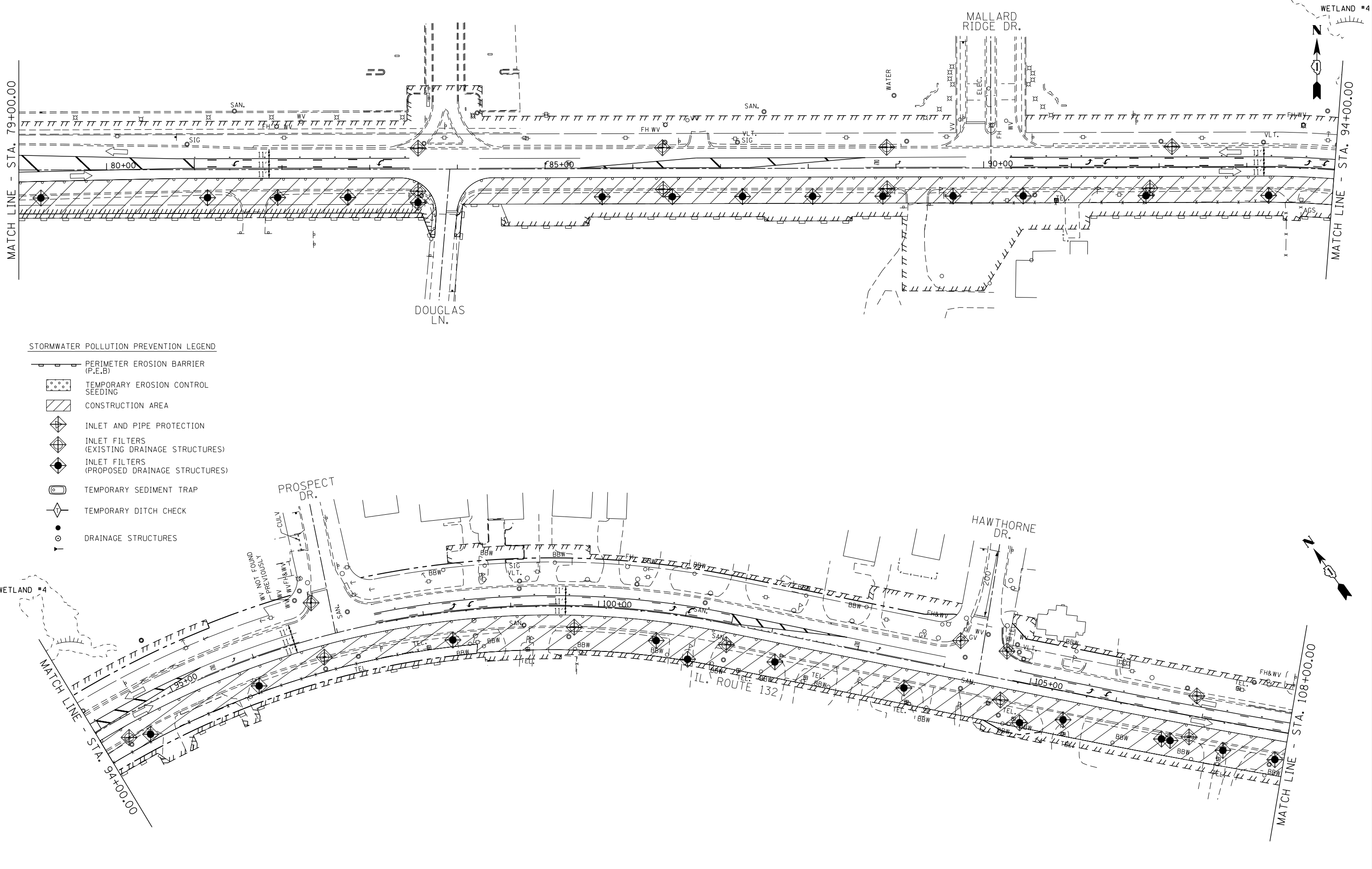
1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION OR EQUIVALENT SNOWFALL.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
7. AS WORK PROGRESSES, ALL SLOPES 3:1 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (SPECIAL) IMMEDIATELY. SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION". "INLET AND PIPE PROTECTION" SHALL BE COMPRISED OF DITCH CHECKS, TEMPORARY SEEDING AND EROSION CONTROL BLANKET (SPECIAL). STRAW BALES AND SILT FENCE SHALL NOT BE USED AS INLET AND PIPE PROTECTION. AVOID USING THE INLET AND PIPE PROTECTION SHOWN ON THE HIGHWAY STANDARD SHEETS 280001.
9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
10. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
11. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001).
12. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED ON ALL NEWLY DISTURBED AREAS EVERY 7 DAYS IF AN AREA IS TO BE IDLE FOR 14 DAYS OR MORE.
13. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.
14. THE EROSION CONTROL MEASURES INDICATED IN THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
15. TEMPORARY CONCRETE WASHOUT AREA FACILITIES SHALL BE PLACED AT LOCATIONS DESIGNATED BY THE ENGINEER AND WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE ITEMS BEING PLACED.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING THE DURATION OF THE PROJECT, 24 HOURS PER DAY, 7 DAYS PER WEEK, INCLUDING NON-WORKING HOURS, WEEKENDS AND HOLIDAYS. THIS WORK SHALL BE CONSIDERED COMPLETE AFTER THE COMPLETION OF ALL PERMANENT EROSION CONTROL MEASURES REQUIRED FOR THE PROJECT, AND AFTER ALL TEMPORARY AND PERMANENT SEEDING HAS TAKEN PLACE. WORK ON THIS PROJECT SHALL BE CONDUCTED IN A MANNER THAT WILL NOT RESULT IN GENERATING EXCESSIVE AIRBORNE PARTICULATE MATTER OR NUISANCE DUST CONDITIONS.
17. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE.
18. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDING AT ONE TIME.
19. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) 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 (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL BID ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN STAGE - I			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILE\$		DRAWN -	TLA	REVISED -						541	A-WRS-2	LAKE	345	85
\$MODELNAME\$		CHECKED -	BLG	REVISED -			CONTRACT NO. 60V55							
		DATE -	4/28/2017	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 64+00.00	TO	STA. 79+00.00	ILLINOIS FED. AID PROJECT



STORMWATER POLLUTION PREVENTION LEGEND

- PERIMETER EROSION BARRIER (P.E.B.)
- TEMPORARY EROSION CONTROL SEEDING
- CONSTRUCTION AREA
- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY SEDIMENT TRAP
- TEMPORARY DITCH CHECK
- DRAINAGE STRUCTURES

FILE NAME =
#FILE#
#MODELNAME#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

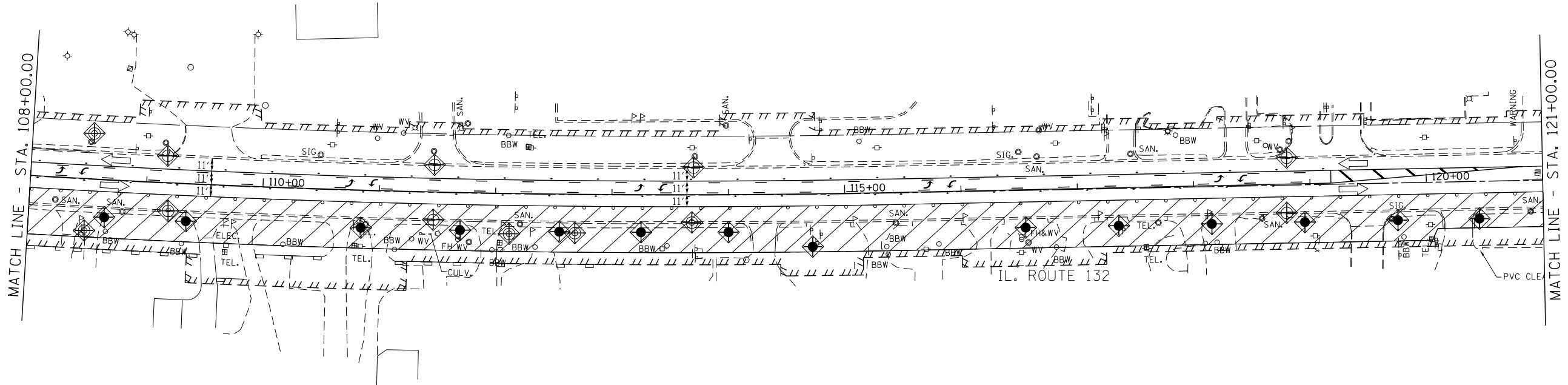
DESIGNED - BLG
DRAWN - TLA
CHECKED - BLG
DATE - 4/28/2017

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

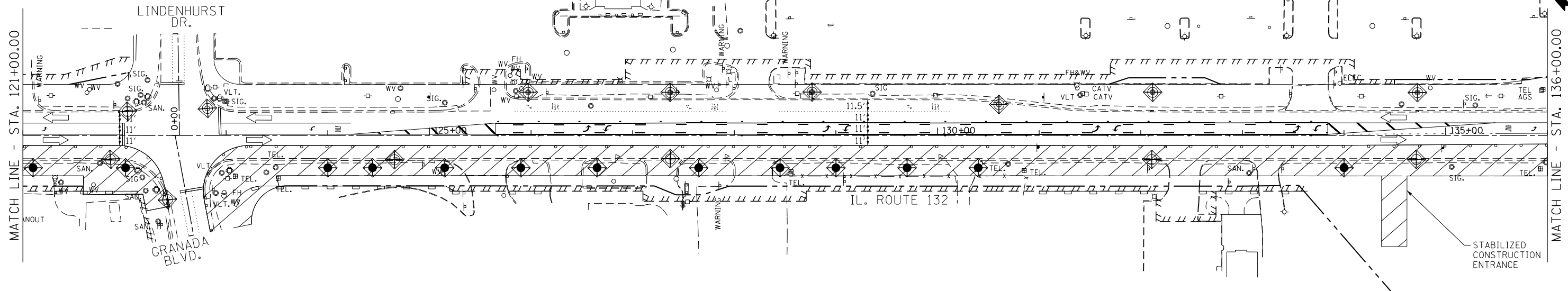
**EROSION AND SEDIMENT CONTROL PLAN
STAGE - I**
SCALE: 1"=50' SHEET OF SHEETS STA. 79+00.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	86
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

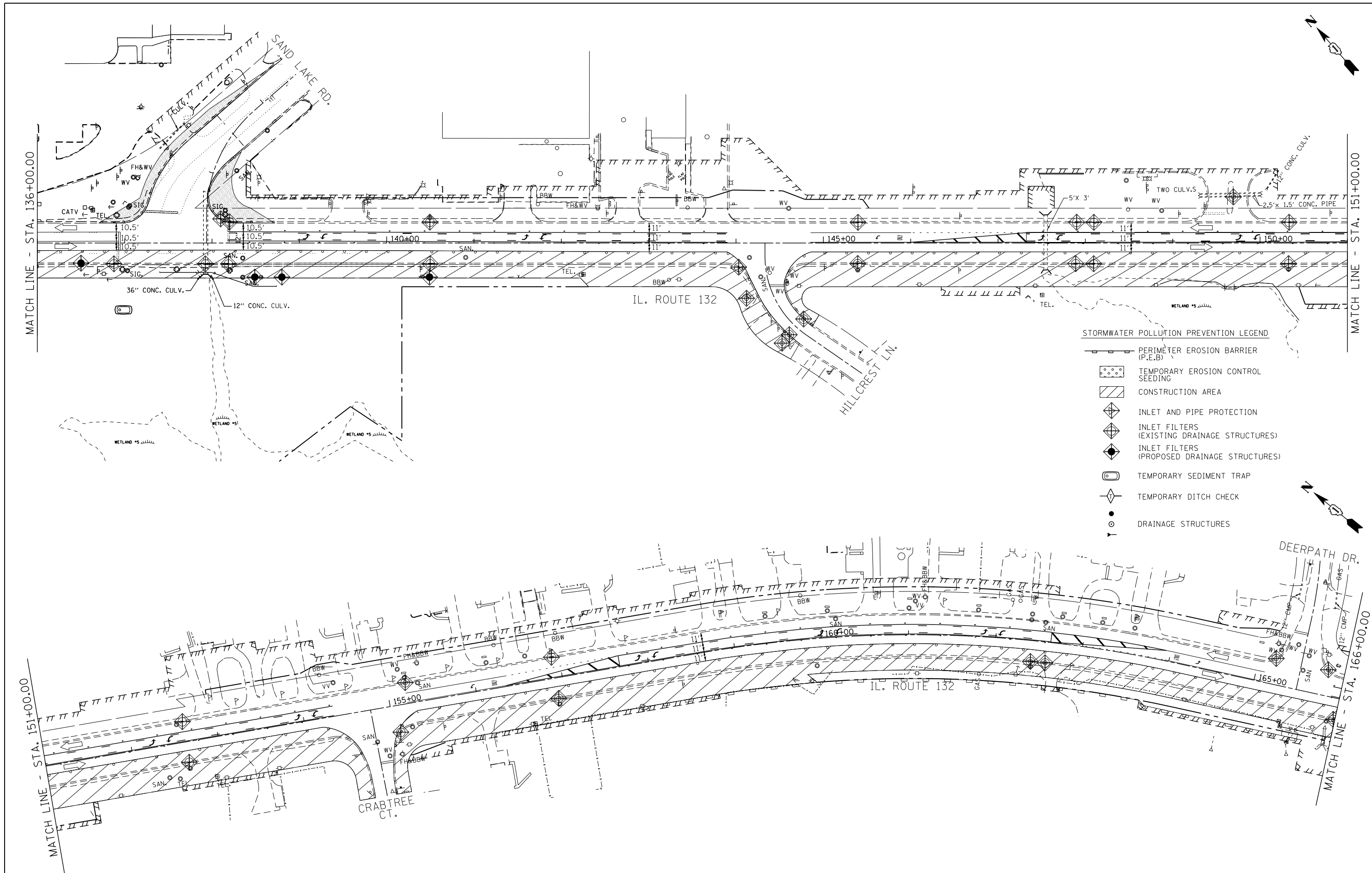


STORMWATER POLLUTION PREVENTION LEGEND

- PERIMETER EROSION BARRIER (P.E.B.)
- TEMPORARY EROSION CONTROL SEEDING
- CONSTRUCTION AREA
- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY SEDIMENT TRAP
- TEMPORARY DITCH CHECK
- DRAINAGE STRUCTURES



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN STAGE - I			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - BLG	REVISED -					541	A-WRS-2	LAKE	345	87
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -	SCALE: 1"=50' SHEET OF SHEETS STA. 108+00.00 TO STA. 136+00.00			CONTRACT NO. 60V55					
											ILLINOIS FED. AID PROJECT	



STORMWATER POLLUTION PREVENTION LEGEND

- PERIMETER EROSION BARRIER (P.E.B.)
- TEMPORARY EROSION CONTROL SEEDING
- CONSTRUCTION AREA
- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY SEDIMENT TRAP
- TEMPORARY DITCH CHECK
- DRAINAGE STRUCTURES

FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -
\$MODELNAME\$	PLOT SCALE = \$SCALE\$	DRAWN - TLA	REVISED -
	PLOT DATE = \$DATE\$	CHECKED - BLG	REVISED -
		DATE - 4/28/2017	REVISED -

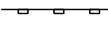








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

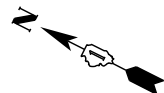
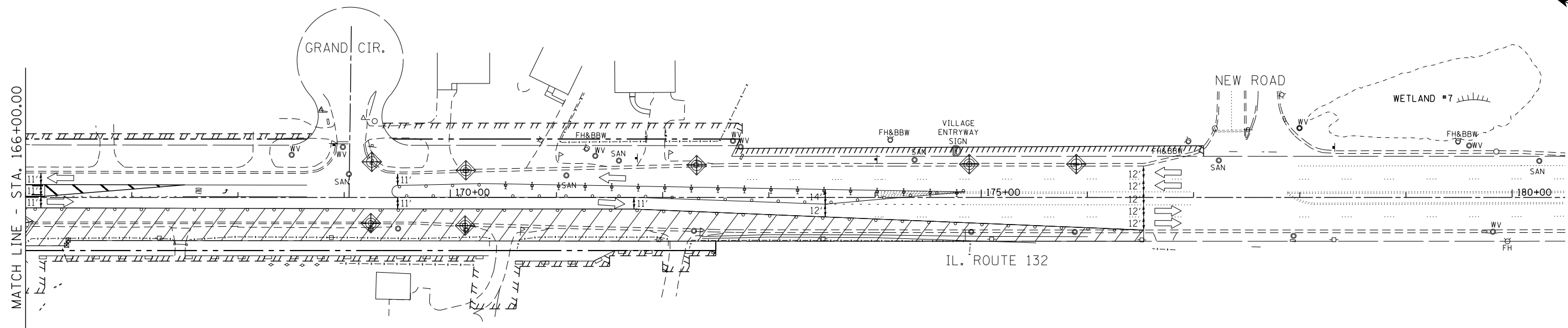
**EROSION AND SEDIMENT CONTROL PLAN
STAGE - I**

SCALE: 1"=50' SHEET OF SHEETS STA. 136+00.00 TO STA. 166+00.00

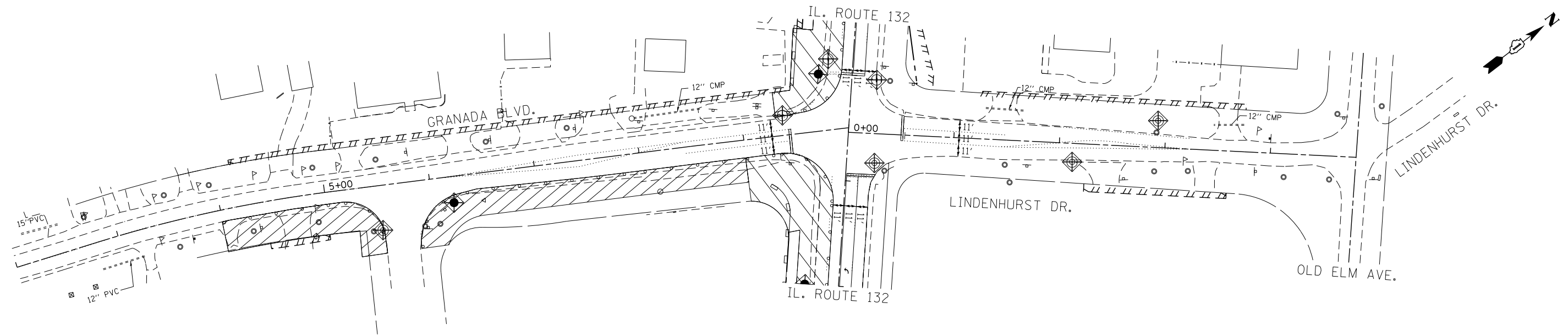
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	88
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES

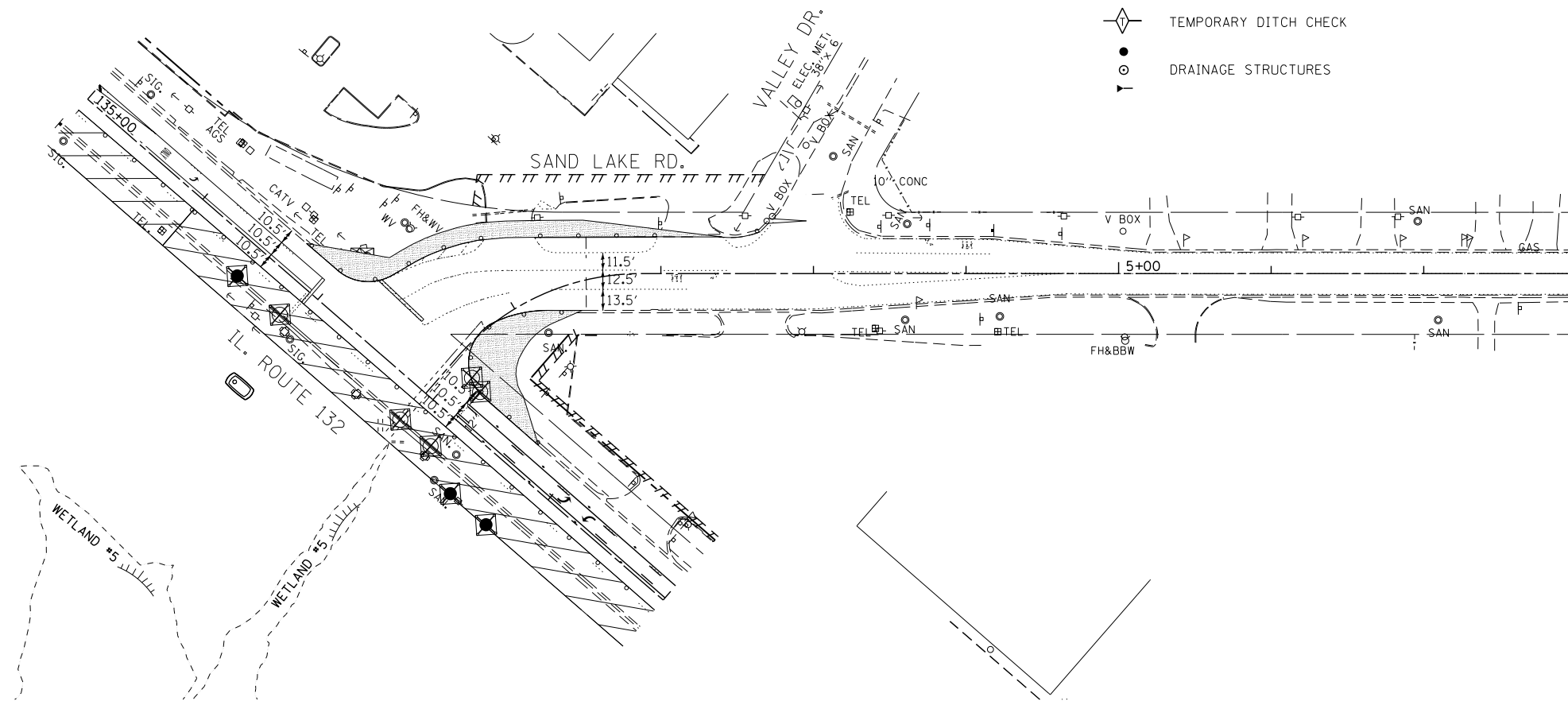


FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN STAGE - I			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	CHECKED - BLG	REVISED -					541	A-WRS-2	LAKE	345	89
\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE - 4/28/2017	REVISED -	SCALE: 1"=50' SHEET OF SHEETS STA. 166+00.00 TO STA. 180+50.00			ILLINOIS FED. AID PROJECT CONTRACT NO. 60V55					












STORMWATER POLLUTION PREVENTION LEGEND

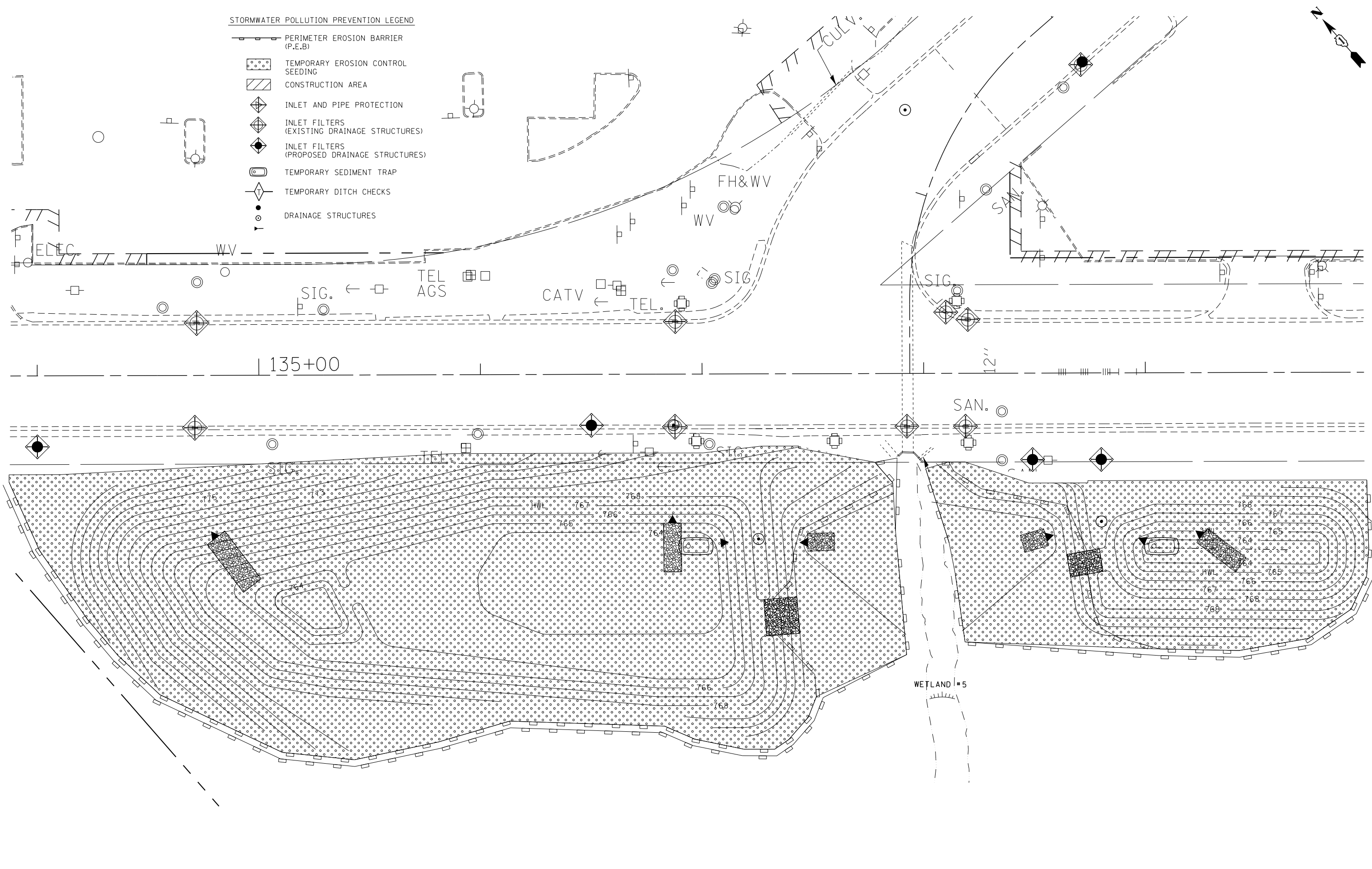
- PERIMETER EROSION BARRIER (P.E.B.)
- TEMPORARY EROSION CONTROL SEEDING
- CONSTRUCTION AREA
- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY SEDIMENT TRAP
- TEMPORARY DITCH CHECK
- DRAINAGE STRUCTURES



FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN STAGE - I				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
\$MODELNAME\$	PLOT SCALE = \$SCALE\$	CHECKED - BLG	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	541	A-WRS-2	LAKE	345	90
	PLOT DATE = \$DATE\$	DATE - 4/28/2017	REVISED -		CONTRACT NO. 60V55											
												ILLINOIS FED. AID PROJECT				

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECKS
-  DRAINAGE STRUCTURES



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -
		DRAWN - TLA	REVISED -
		CHECKED - BLG	REVISED -
		DATE - 4/28/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
STAGE - I

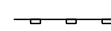








SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

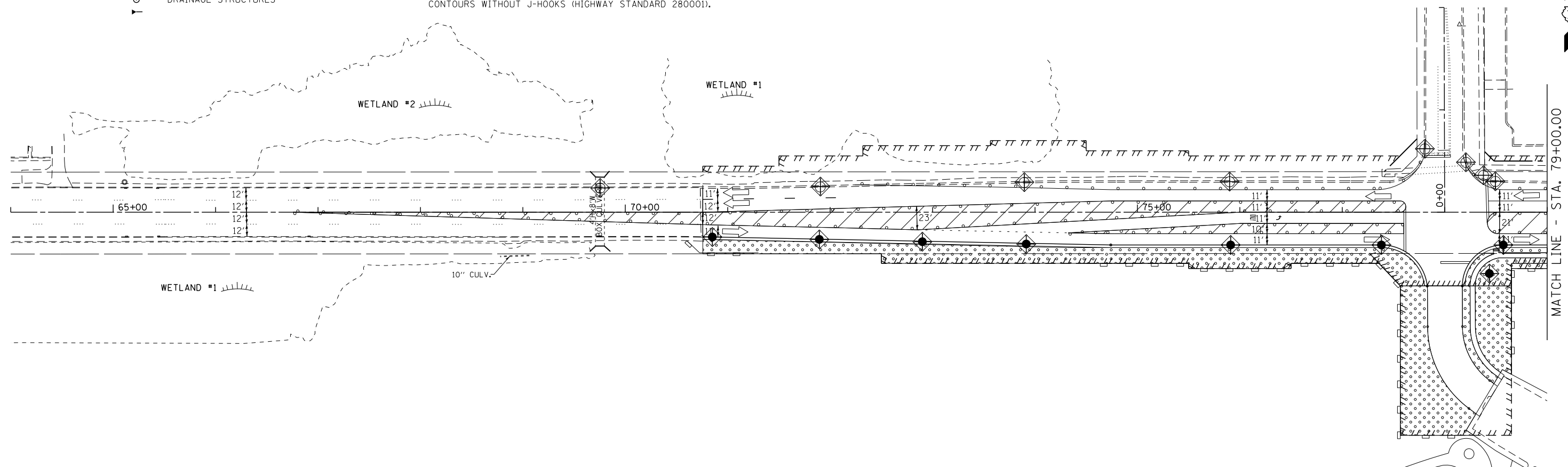
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	91
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

TEMPORARY EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION OR EQUIVALENT SNOWFALL.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
7. AS WORK PROGRESSES, ALL SLOPES 3:1 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET (SPECIAL) IMMEDIATELY. SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION". "INLET AND PIPE PROTECTION" SHALL BE COMPRISED OF DITCH CHECKS, TEMPORARY SEEDING AND EROSION CONTROL BLANKET (SPECIAL). STRAW BALES AND SILT FENCE SHALL NOT BE USED AS INLET AND PIPE PROTECTION. AVOID USING THE INLET AND PIPE PROTECTION SHOWN ON THE HIGHWAY STANDARD SHEETS 280001.
9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
10. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
11. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001).
12. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED ON ALL NEWLY DISTURBED AREAS EVERY 7 DAYS IF AN AREA IS TO BE IDLE FOR 14 DAYS OR MORE.
13. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.
14. THE EROSION CONTROL MEASURES INDICATED IN THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
15. TEMPORARY CONCRETE WASHOUT AREA FACILITIES SHALL BE PLACED AT LOCATIONS DESIGNATED BY THE ENGINEER AND WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE ITEMS BEING PLACED.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING THE DURATION OF THE PROJECT, 24 HOURS PER DAY, 7 DAYS PER WEEK, INCLUDING NON-WORKING HOURS, WEEKENDS AND HOLIDAYS. THIS WORK SHALL BE CONSIDERED COMPLETE AFTER THE COMPLETION OF ALL PERMANENT EROSION CONTROL MEASURES REQUIRED FOR THE PROJECT, AND AFTER ALL TEMPORARY AND PERMANENT SEEDING HAS TAKEN PLACE. WORK ON THIS PROJECT SHALL BE CONDUCTED IN A MANNER THAT WILL NOT RESULT IN GENERATING EXCESSIVE AIRBORNE PARTICULATE MATTER OR NUISANCE DUST CONDITIONS.
17. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE.
18. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDING AT ONE TIME.
19. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) 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 (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL BID ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
\$FILEL\$		DRAWN -	BCD	REVISED -	
	PLOT SCALE = \$SCALE\$	CHECKED -	BDH	REVISED -	
\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -	

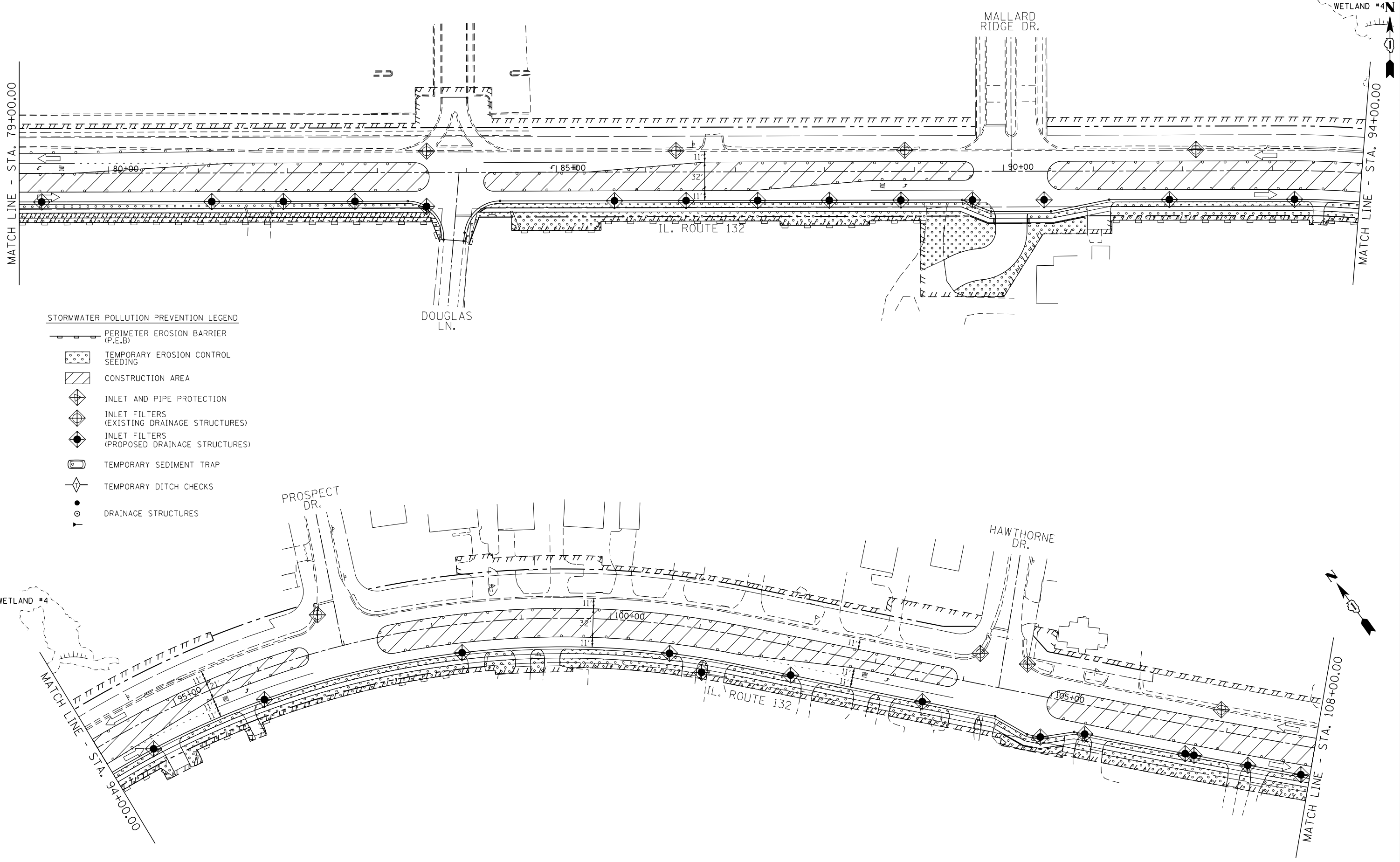
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
STAGE - II










SCALE: 1"=50' SHEET OF SHEETS STA. 64+00.00 TO STA. 79+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	92
CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT	





STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECKS
-  DRAINAGE STRUCTURES

FILE NAME =
#FILE#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

DESIGNED - BLG
DRAWN - BCD
CHECKED - BDH
DATE - 4/28/2017

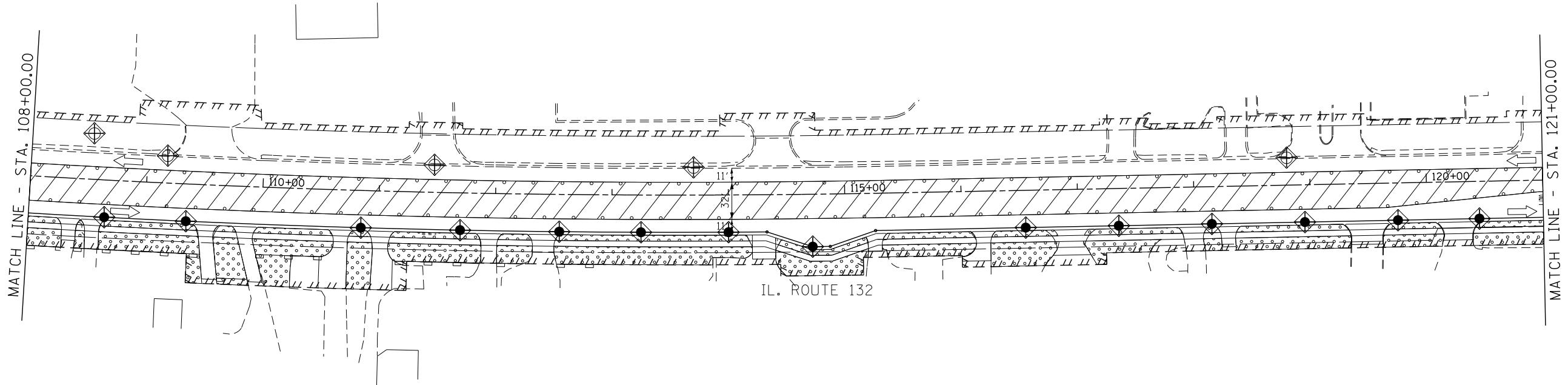
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
STAGE - II**

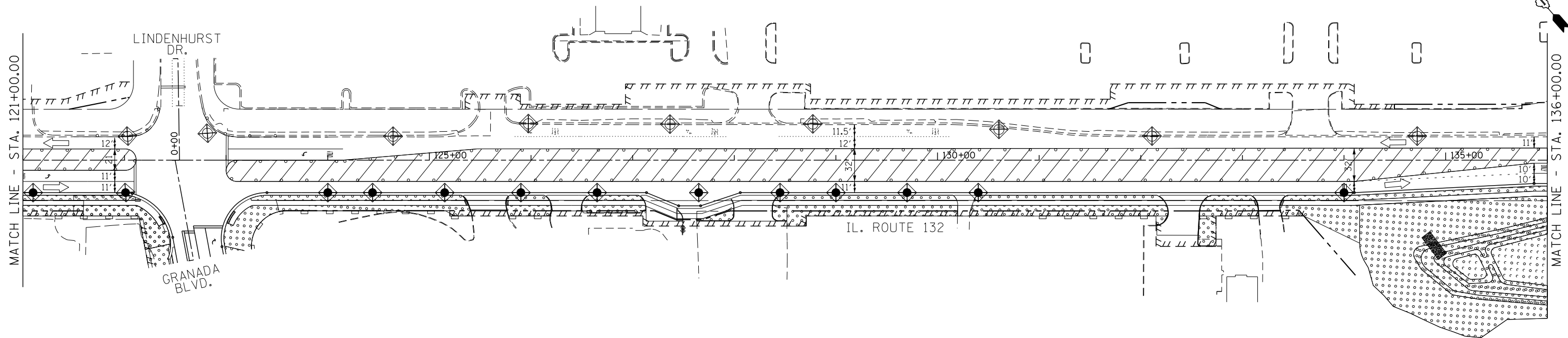
SCALE: 1"=50' SHEET OF SHEETS STA. 79+00.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	93
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



STORMWATER POLLUTION PREVENTION LEGEND

- PERIMETER EROSION BARRIER (P.E.B.)
- TEMPORARY EROSION CONTROL SEEDING
- CONSTRUCTION AREA
- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY SEDIMENT TRAP
- TEMPORARY DITCH CHECK
- DRAINAGE STRUCTURES



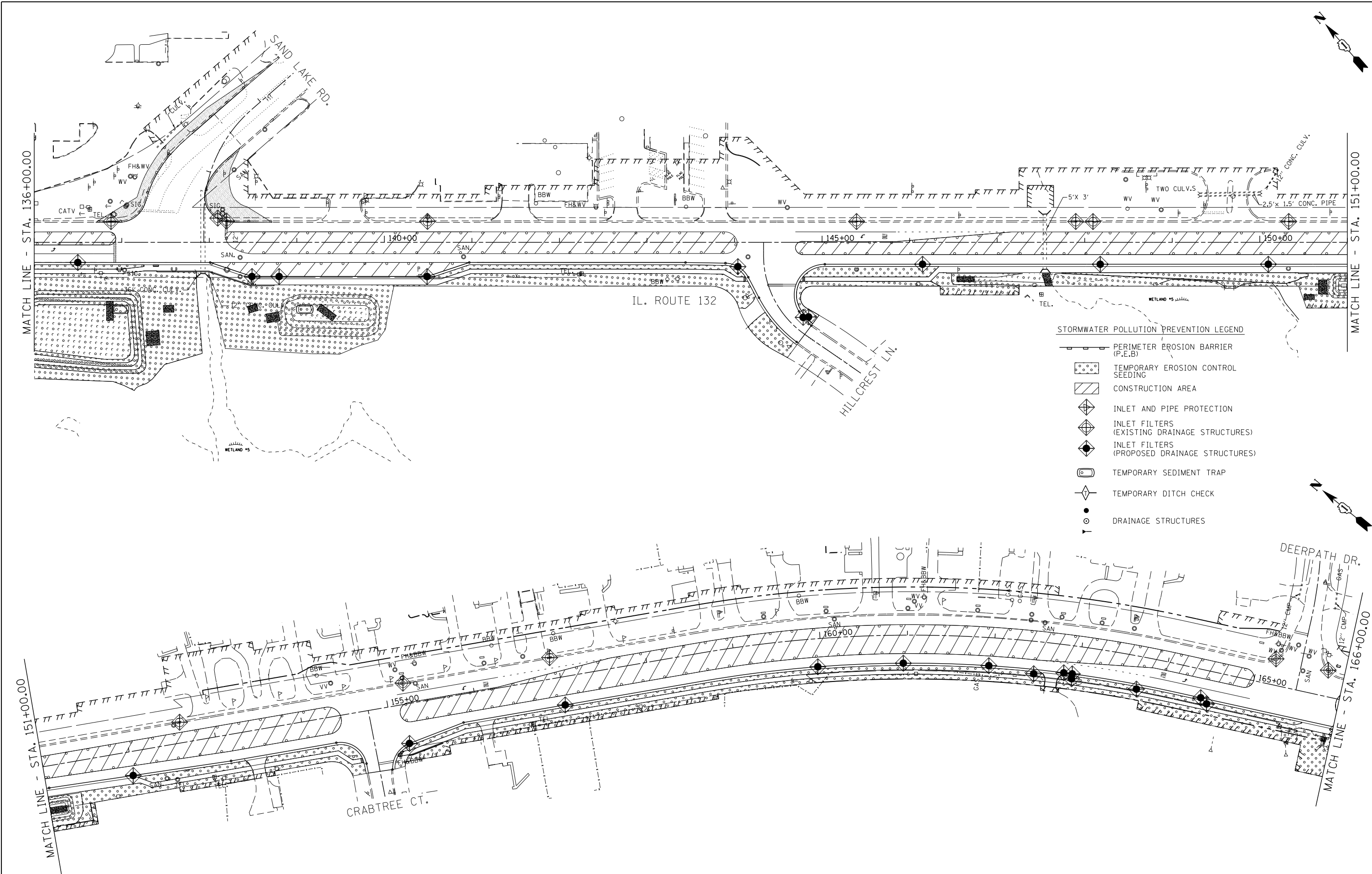
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
\$FILEL\$		DRAWN -	BCD	REVISED -	
\$MODELNAME\$		CHECKED -	BDH	REVISED -	
	PLOT SCALE = \$SCALE\$	DATE -	4/28/2017	REVISED -	
	PLOT DATE = \$DATE\$				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
STAGE - II

SCALE: 1"=50' SHEET OF SHEETS STA. 108+00.00 TO STA. 136+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	94
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



- STORMWATER POLLUTION PREVENTION LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
 - TEMPORARY EROSION CONTROL SEEDING
 - CONSTRUCTION AREA
 - INLET AND PIPE PROTECTION
 - INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
 - INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
 - TEMPORARY SEDIMENT TRAP
 - TEMPORARY DITCH CHECK
 - DRAINAGE STRUCTURES

FILE NAME =
 \$FILE\$
 \$MODELNAME\$

USER NAME = \$USER\$
 PLOT SCALE = \$SCALE\$
 PLOT DATE = \$DATE\$

DESIGNED - BLG
 DRAWN - BCD
 CHECKED - BDH
 DATE - 4/28/2017

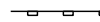

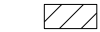




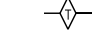
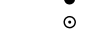
REVISED -
 REVISED -
 REVISED -
 REVISED -

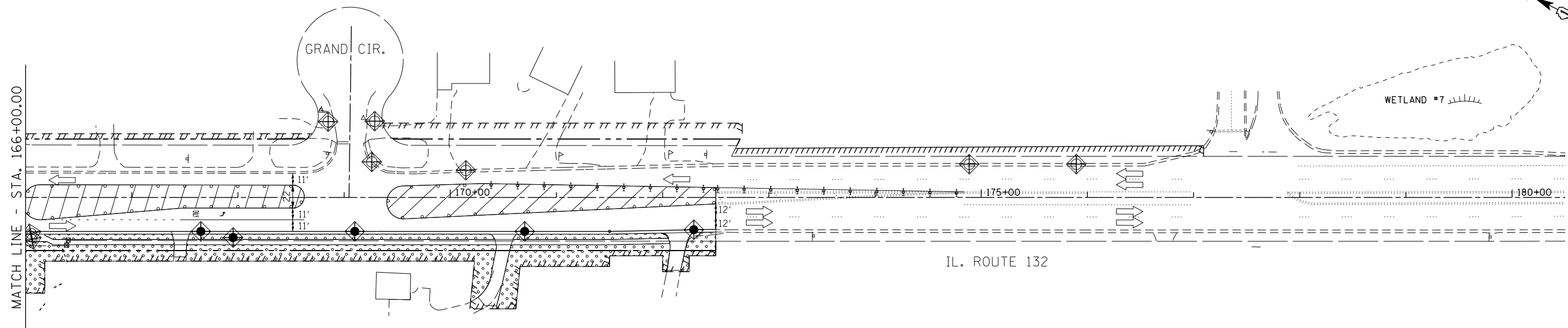
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
 STAGE - II**
 SCALE: 1"=50' SHEET OF SHEETS STA. 136+00.00 TO STA. 166+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	95
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				










STORMWATER POLLUTION PREVENTION LEGEND

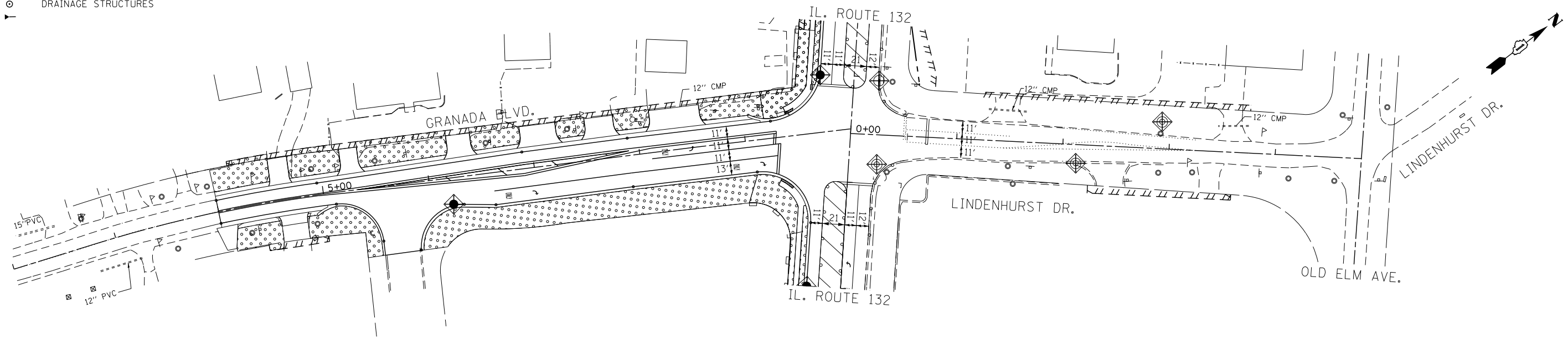
-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN STAGE - II			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -					541	A-WRS-2	LAKE	345	96
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -	SCALE: 1"=50' SHEET OF SHEETS STA. 166+00.00 TO STA. 180+50.00			CONTRACT NO. 60V55					
											ILLINOIS FED. AID PROJECT	

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



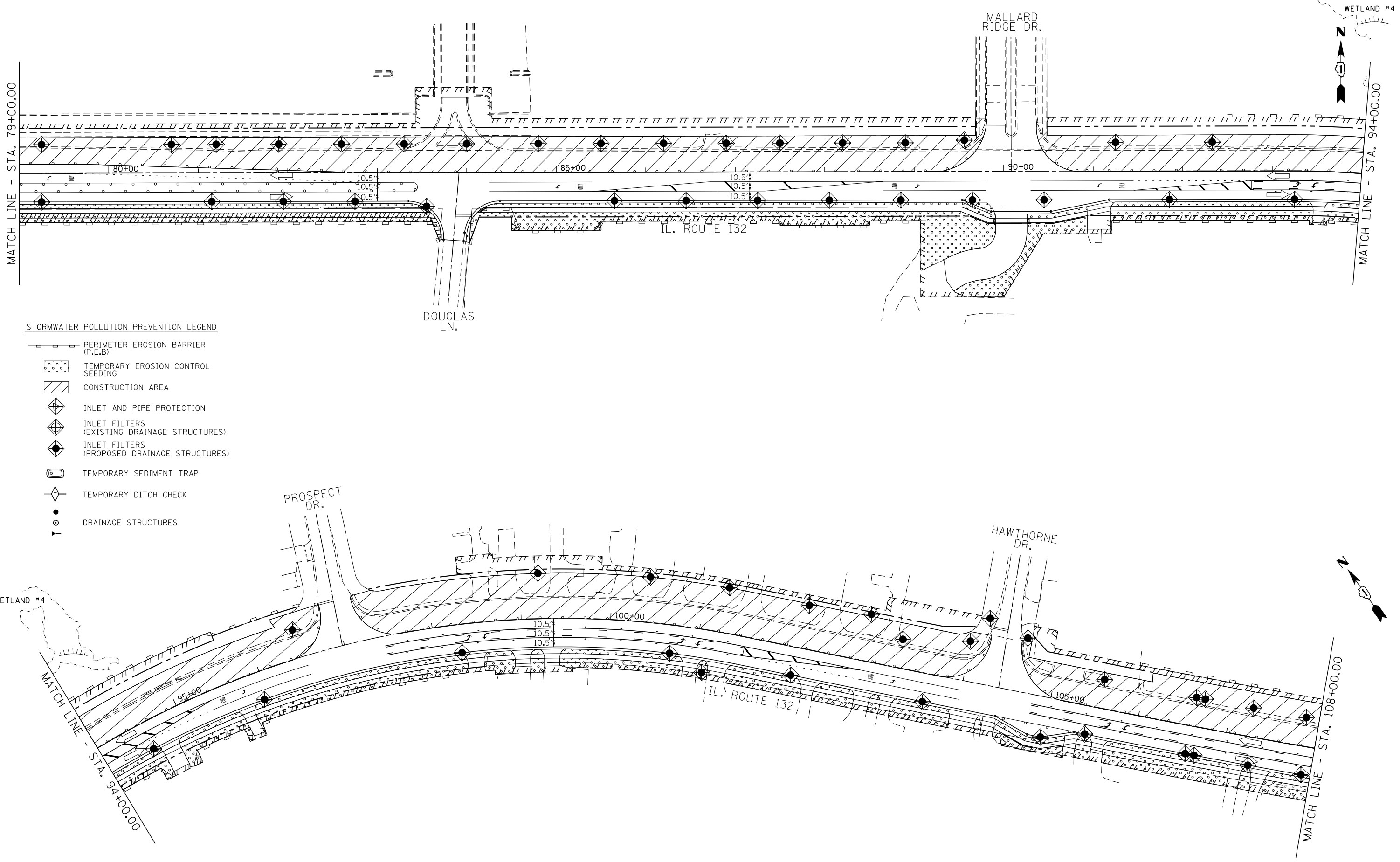
FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -
		DRAWN - BCD	REVISED -
		CHECKED - BDH	REVISED -
\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE - 4/28/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

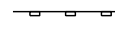








**EROSION AND SEDIMENT CONTROL PLAN
STAGE - II**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	97
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES

FILE NAME =
#FILE#
#MODELNAME#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

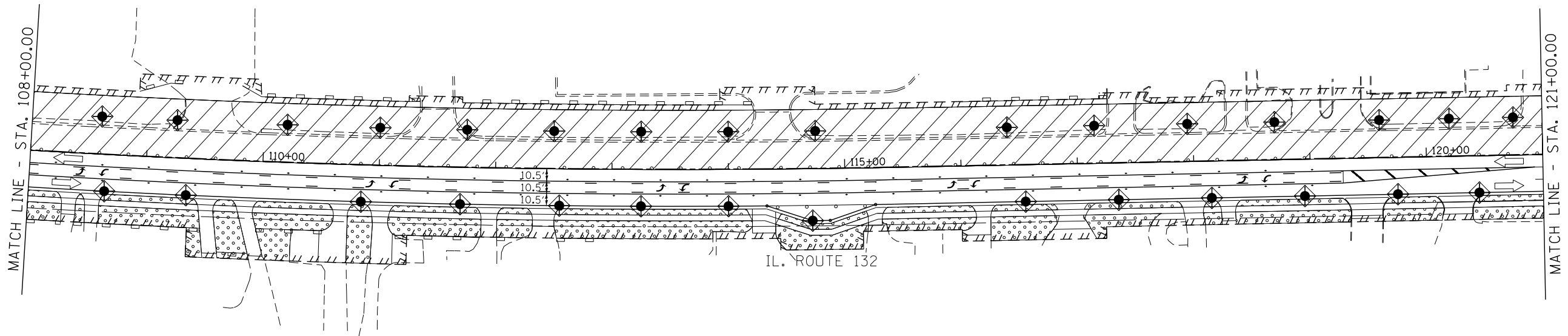
DESIGNED - BLG
DRAWN - BCD
CHECKED - BDH
DATE - 4/28/2017

REVISED -
REVISED -
REVISED -
REVISED -










**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

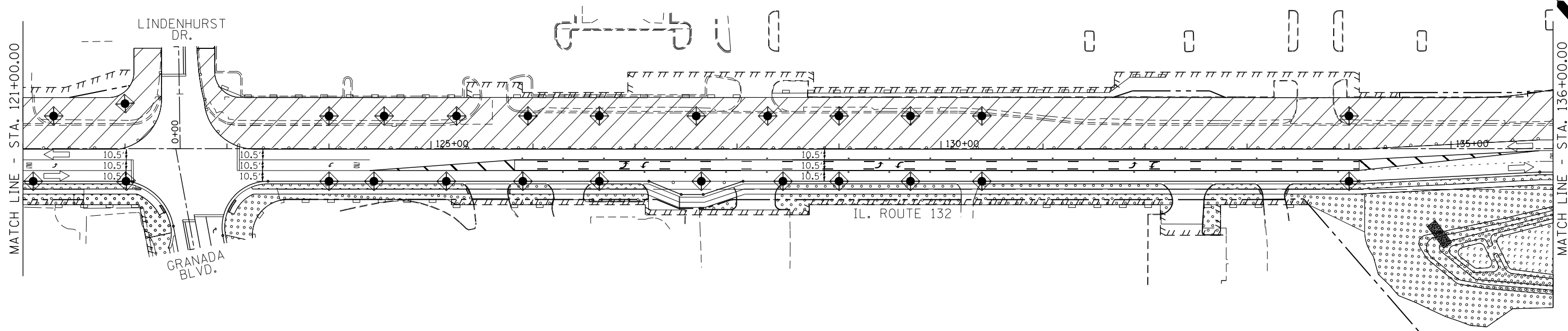
**EROSION AND SEDIMENT CONTROL PLAN
STAGE - III**
SCALE: 1"=50'
SHEET OF SHEETS STA. 79+00.00 TO STA. 108+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	99
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
\$FILEL\$		DRAWN -	BCD	REVISED -	
	PLOT SCALE = \$SCALE\$	CHECKED -	BDH	REVISED -	
\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
STAGE - III**

SCALE: 1"=50' SHEET OF SHEETS STA. 108+00.00 TO STA. 136+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	100
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				