

**GENERAL NOTES**

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

2. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF GENEVA, CITY OF WEST CHICAGO, DUPAGE COUNTY AND KANE COUNTY.

4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

5. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR GUARDRAIL REMOVAL.

6. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

7. USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL PAVEMENT TO PAVEMENT TIES. USE #6 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL CURB & GUTTER TO PAVEMENT TIES.

8. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

9. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS

10. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

12. THE ENGINEER SHALL CONTACT DON CHIARUGI, TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

13. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.

14. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

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

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

17. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

19. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

20. 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.

21. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

22. SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

23. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRATOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

24. THE WORK REQUIRED TO CONNECT ANY STORM OR SANITARY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

25. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: SPRINT NEXTEL, NICOR GAS, NATURAL GAS PIPELINE COMPANY OF AMERICA (KINDER MORGAN, INC.), COMED, COMCAST CABLE, AT&T, CITY OF GENEVA.

26. THIS PROJECT WILL REQUIRE A U.S. ARMY CORPS OF ENGINEERS 404 PERMIT, AS WELL AS A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.

27. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

28. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIMES FOR THE VARIOUS HOT MIX ASPHALT LIFTS.

29. ONLY THOSE TREES DESIGNATED BY THE ENGINEER, LISTED IN THE TREE REMOVAL SCHEDULE, OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

30. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

31. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

32. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWER, WATER MAIN, SANITARY SEWER, AND OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE PER ARTICLES 105.07 AND 107.31 OF THE STANDARD SPECIFICATIONS. WHEN REQUIRED, LOCATING UTILITIES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPLORATION TRENCH, SPECIAL.

33. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF GENEVA & CITY OF WEST CHICAGO. ALL TREE PROTECTION, REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

34. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

35. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

36. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

37. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

38. 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.

39. THE CONTRACTOR IS ADVISED THAT THE PROJECT IS IN CLOSE PROXIMITY TO THE DUPAGE COUNTY AIRPORT, AND COORDINATION WITH THE AIRPORT AND THE FAA WILL BE REQUIRED DURING THE PROSECUTION OF THE WORK. OF PARTICULAR IMPORTANCE ARE THE USE OF TALL CRANES AND THE MANNER IN WHICH THEIR USE MAY AFFECT AIRPORT OPERATIONS. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT CASE STUDIES THROUGH THE FAA WEB PAGE THAT DEFINES THE HEIGHT OF THE CRANE TO BE UTILIZED, AND THE POTENTIAL CRANE LOCATIONS THAT MAY BE REQUIRED TO CONSTRUCT THE BRIDGE. THE CONTRACTOR SHALL COMPLY WITH ALL FAA AND DUPAGE COUNTY AIRPORT REQUIREMENTS, CRITERIA, STANDARDS, AND RESTRICTIONS THAT RESULT FROM THE FAA DETERMINATIONS. FOR ADDITIONAL INFORMATION, SEE THE SPECIAL PROVISIONS. NO ADDITIONAL COMPENSATION OR TIME EXTENSION WILL BE ALLOWED TO COMPLY WITH THESE REQUIREMENTS.

**UNION PACIFIC RAILROAD GENERAL NOTES**

- A. NO DISRUPTION OF RAILROAD OPERATIONS WILL BE PERMITTED.
- B. A TEMPORARY CONSTRUCTION FENCE OR BARRIER MUST BE PLACED A MINIMUM OF 25 FEET FROM THE NEAREST TRACK. FENCE OR BARRIER MUST BE A MINIMUM OF 6 FEET HIGH AND EXTEND TO THE LIMITS OF THE PROJECT ALONG THE RAILROAD'S RIGHT OF WAY, OR THE TEMPORARY CONSTRUCTION AREA. THE CONTRACTOR MUST ORGANIZE HIS WORK TO BE PERFORMED BEHIND THE REQUISITE FENCE. ANY WORK WITHIN 25 FEET OF LIVE RAILROAD OPERATIONS WILL BE KEPT TO A MINIMUM AND IS SUBJECT TO RAILROAD APPROVAL.
- C. A CONTRACTOR'S RIGHT OF ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON UPRR PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- D. WORK WINDOWS WITHIN THE 25 FOOT ZONE ARE ONLY AVAILABLE FROM 9:00AM-3:30PM, MONDAY THRU FRIDAY. EXTENDED WORK WINDOWS MAY BE AVAILABLE OVERNIGHT, NON-RUSH HOUR, OR ON WEEKENDS SUBJECT TO APPROVAL FROM THE LOCAL FIELD MANAGER AND CORRIDOR MANAGER.
- E. ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A RAILROAD FLAGMAN. CALL KANDICE MILLER @ (312) 496-4738 TO SCHEDULE. MINIMUM 72 HOURS ADVANCE NOTICE IS REQUIRED.
- F. RAILROAD UTILITIES ARE NOT INCLUDED UNDER JULIE. CALL KANDICE MILLER AT (312) 496-4738 FOR LOCATES.
- G. FIBER OPTICS ARE PRESENT IN THIS AREA. CALL (800) 336-9193 TO COORDINATE ANY REQUIRED PROTECTION OR RELOCATION, PRIOR TO CONSTRUCTION.

**COMMITMENTS**

1. (NONE)

FILE NAME = 0160122-SHT-GENNOTE.dgn	USER NAME = YK1m	DESIGNED - MJT	REVISED  REV. 07/12/12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND COMMITMENTS</b>	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 3
PLOT SCALE = 1:50	CHECKED - EJG	REVISED -	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>GN-1</b>		CONTRACT NO. 60122
PLOT DATE = 07/12/12	DATE - 03/07/12	REVISED -				FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY
				0004	0004	0008	0021	0021	0043	0043	0043	0028
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	490	265	225							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	850	459	391							
20101000	TEMPORARY FENCE	FOOT	1,812	979	833							
20101200	TREE ROOT PRUNING	EACH	7	4	3							
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	7	4	3							
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	7	4	3							
20200100	EARTH EXCAVATION	CU YD	64,409	34,781	29,628							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	11,868	6,409	5,459							
20400800	FURNISHED EXCAVATION	CU YD	385,571	208,209	177,362							
20800150	TRENCH BACKFILL	CU YD	8,217	3,543	3,017				750		907	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	34,690	18,733	15,957							
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	34,166	18,450	15,716							
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	101,530	54,827	46,703							
21101665	TOPSOIL FURNISH AND PLACE, 18"	SO YD	48,440	26,158	22,282							
21101685	TOPSOIL FURNISH AND PLACE, 24"	SO YD	12,270	6,626	5,644							
25000210	SEEDING, CLASS 2A	ACRE	8.1	4.4	3.7							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	740	400	340							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	745	403	342							
25100115	MULCH, METHOD 2	ACRE	49.3	26.6	22.7							
25100630	EROSION CONTROL BLANKET	SO YD	101,518	54,820	46,698							
25200110	SODDING, SALT TOLERANT	SO YD	10,570	5,708	4,862							
25200200	SUPPLEMENTAL WATERING	UNIT	50	27	23							
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	297	161	136							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	6,600	3,564	3,036							
28000305	TEMPORARY DITCH CHECKS	FOOT	2,464	1,331	1,133							
28000400	PERIMETER EROSION BARRIER	FOOT	29,930	16,163	13,767							
28000500	INLET AND PIPE PROTECTION	EACH	19	11	8							
28000510	INLET FILTERS	EACH	147	80	67							
28100105	STONE RIPRAP, CLASS A3	SO YD	107	58	49							
28100107	STONE RIPRAP, CLASS A4	SO YD	77	42	35							
28200200	FILTER FABRIC	SO YD	179	97	82							
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	71,881	38,816	33,065							
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SO YD	50,574	27,310	23,264							
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	19,704	7,985	6,802	4.917						
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	4,347	921	783							2,643
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	482	261	221							
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	152	83	69							

- \* DENOTES SPECIALTY ITEM
- △ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =  
D160122-SHT-50081.dgn

USER NAME = E7100  
PLOT SCALE = 1:500  
PLOT DATE = 11/9/2011

DESIGNED - MJT  
DRAWN - MJT  
CHECKED - EJJ  
DATE - 10/14/11

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 9 SHEETS STA. TO STA.

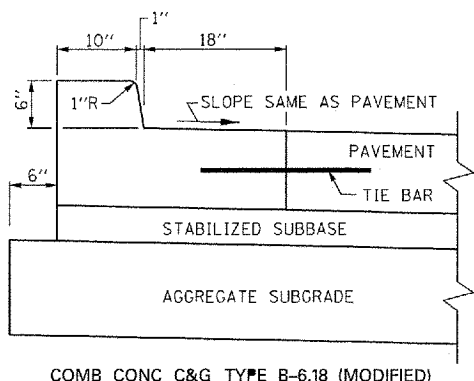
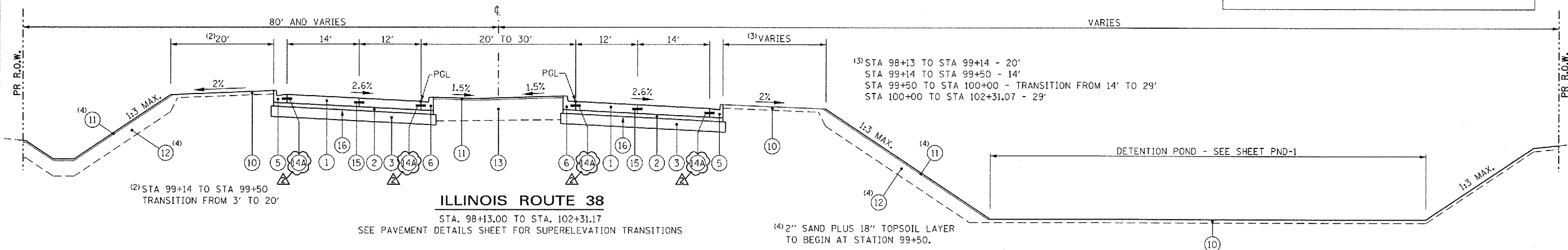
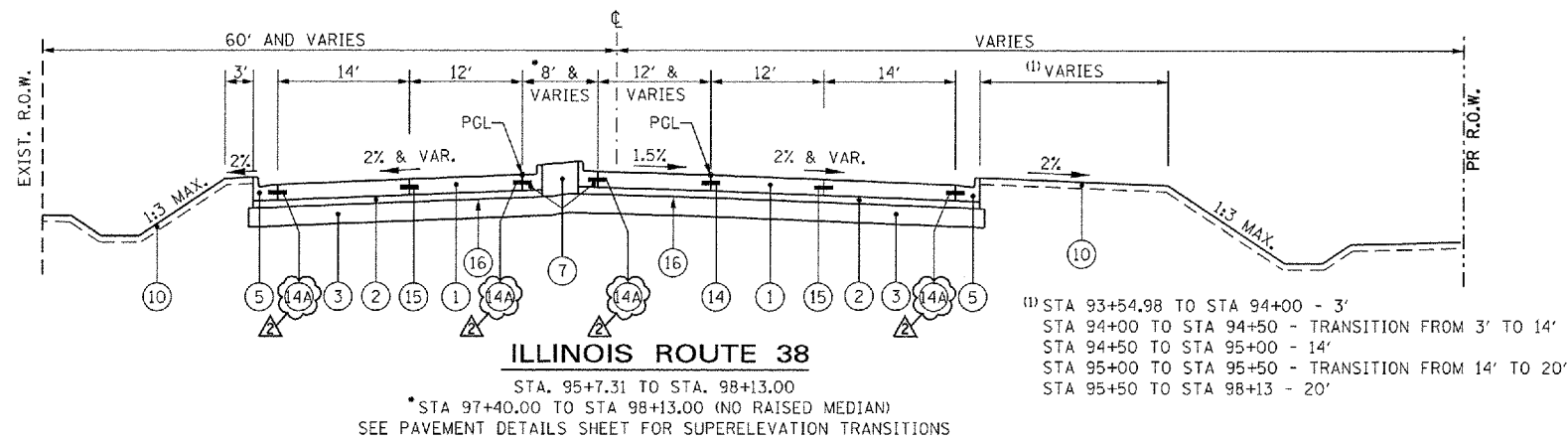
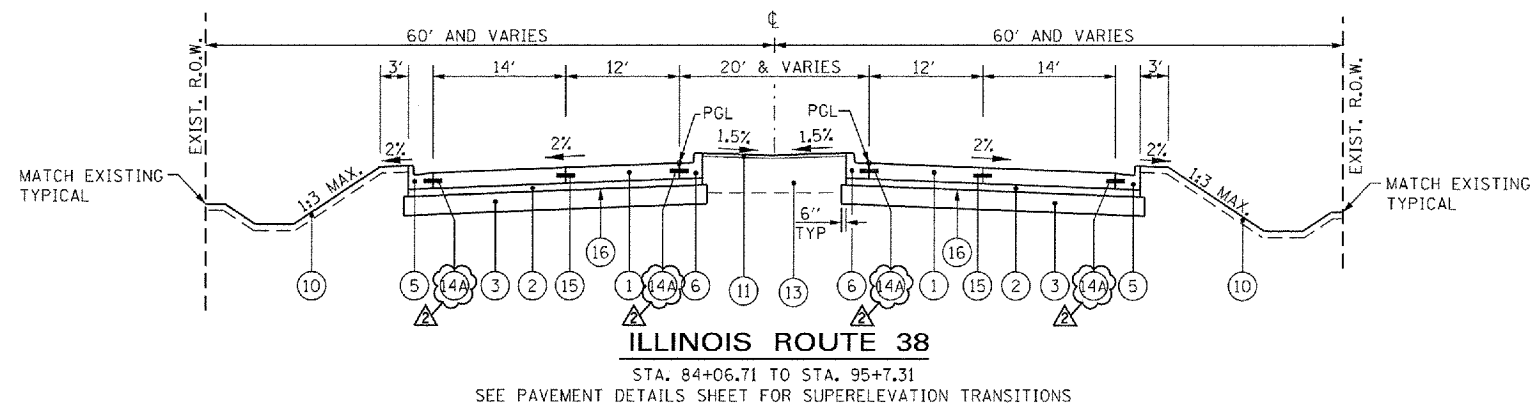
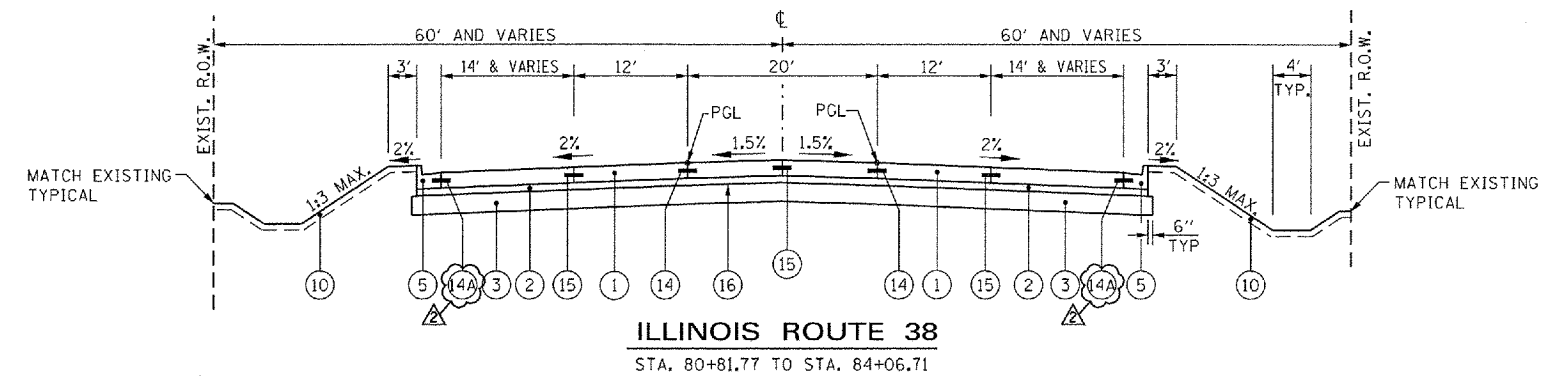
Rev. 7-24-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	4
SQ-1		CONTRACT NO.	60122	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY	
Z0007604	BUILDING REMOVAL NO. 4	L SUM	1	0004	0004	0008	0021	0021	0043	0043	0043	0028
Z0007605	BUILDING REMOVAL NO. 5	L SUM	1	1								
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	710	384	326							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1								
<del>Z0014800</del>	<del>CULVERT TO BE CLEANED</del>	<del>FOOT</del>	<del>263</del>	<del>143</del>	<del>120</del>							
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	4			4						
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	16	9	7							
Z0018800	DRAINAGE SYSTEM	L SUM	1			1						
Z0022800	FENCE REMOVAL	FOOT	378	205	173							
Z0028462	GEOTEXTILE RETAINING WALL	SO FT	15,618			15,618						
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	4	2							
Z0030332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	5	3							
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	80	44	36							
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24				24					
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1						
Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SO FT	36,711			36,711						
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	343			343						
<del>Z0042002</del>	<del>POROUS GRANULAR EMBANKMENT, SUBGRADE</del>	<del>CU YD</del>	<del>19,704</del>	<del>7,985</del>	<del>6,802</del>	<del>4,917</del>						
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1								
* Z0049801	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1								
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	139	76	63							
* Z0049802	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1	1								
Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	174	94	80							
* Z0049901	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1								
Z0057500	SANITARY SEWER 24"	FOOT	2,299							2,299		
* Z0049902	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1	1								
Z0062456	TEMPORARY PAVEMENT	SO YD	4,380	2,366	2,014							
* Z0049903	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS BUILDING NO. 3	L SUM	1	1								
Z0067900	STEEL CASINGS 24"	FOOT	110						110			
Z0068200	STEEL CASINGS 30"	FOOT	101						101			
<del>Z0076600</del>	<del>TRAINEES</del>	<del>HOUR</del>										
Z0056675	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 30"	FOOT	250	135	115							
X0327073	STEEL CASING PIPE, AUGERED AND JACKED, 42"	FOOT	239								239	
• B7702618	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 60 FT.	EACH	1				1					
• B7702619	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 62 FT.	EACH	1				1					
• X0327375	REPLACE LUMINAIRE BALLAST ASSEMBLY	EACH	3					3				
• B3057293	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 12FT MAST ARM	EACH	4					4				

• DENOTES SPECIALTY ITEM  
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT  
 Δ NON-PARTICIPATING (100% STATE)

Rev. 7-24-12  
 Rev. 6-28-12



**PROPOSED LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑭A LONGITUDINAL CONSTRUCTION JOINT - NO. 6 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

**IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.**

**IL 38**  
STRUCTURAL DESIGN TRAFFIC: YEAR 2030  
PV = 96.0% SU = 2.0% MU = 2.0%  
ROAD/STREET CLASSIFICATION: PRINCIPLE ARTERIAL  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
P = 32 S = 45 M = 45  
TRAFFIC FACTOR: ACTUAL TF = 5.73 AC TYPE = AC-20  
MINIMUM TF = 6.03  
PG GRADE: BINDER= SBS PG70-22 SURFACE= SBS PG70-22  
SUBGRADE SUPPORT RATING: POOR

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130 East Randolph Street, Chicago, Illinois 60601

FILE NAME = DIS0122-SHT-TYPICAL02.dgn	USER NAME = YK1m	DESIGNED - ---	REVISED  REV. 07/12/12
		DRAWN - ---	REVISED -
		CHECKED - EJJ	REVISED -
		DATE - 03/07/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 14
<b>TYP-2</b>			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

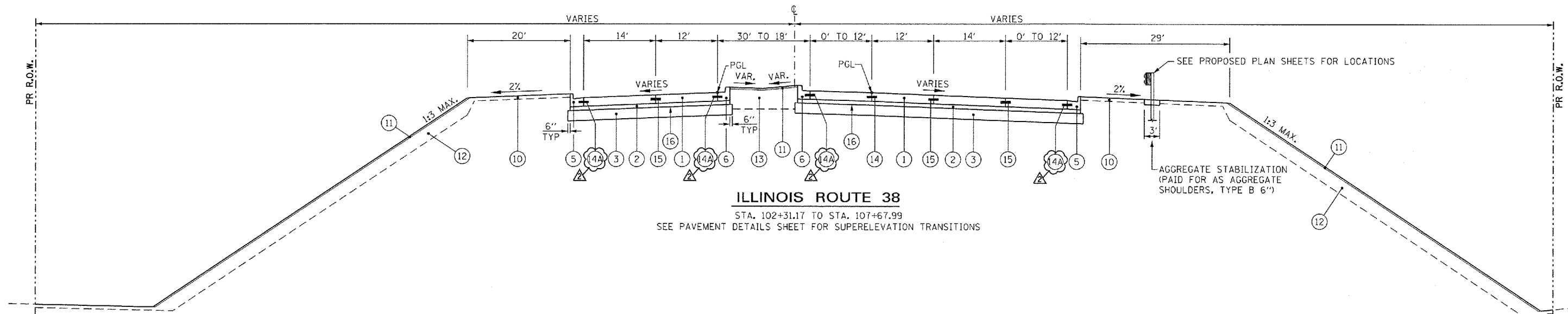
**PROPOSED LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)

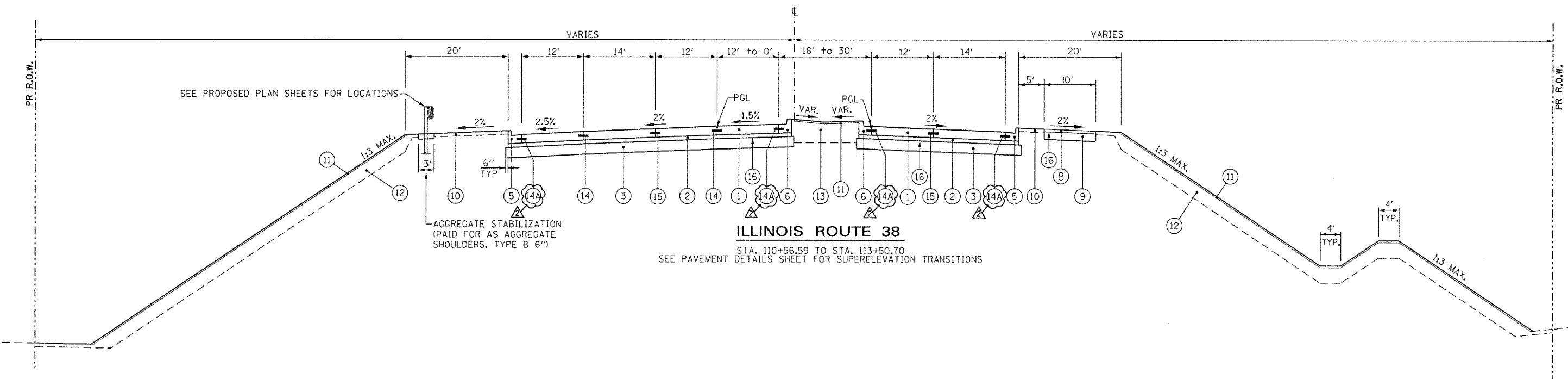
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS

- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑭A LONGITUDINAL CONSTRUCTION JOINT - NO. 6 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.



**ILLINOIS ROUTE 38**  
 STA. 102+31.17 TO STA. 107+67.99  
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS



**ILLINOIS ROUTE 38**  
 STA. 110+56.59 TO STA. 113+50.70  
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

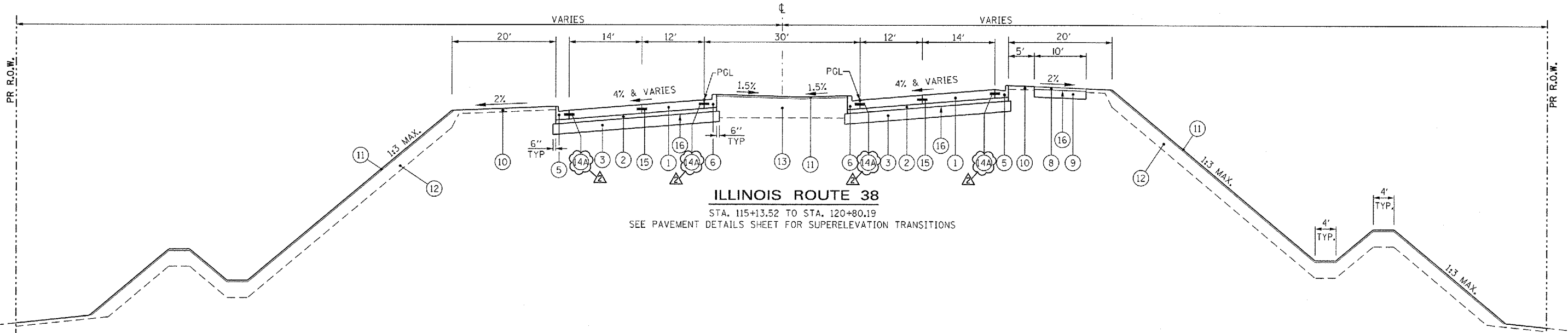
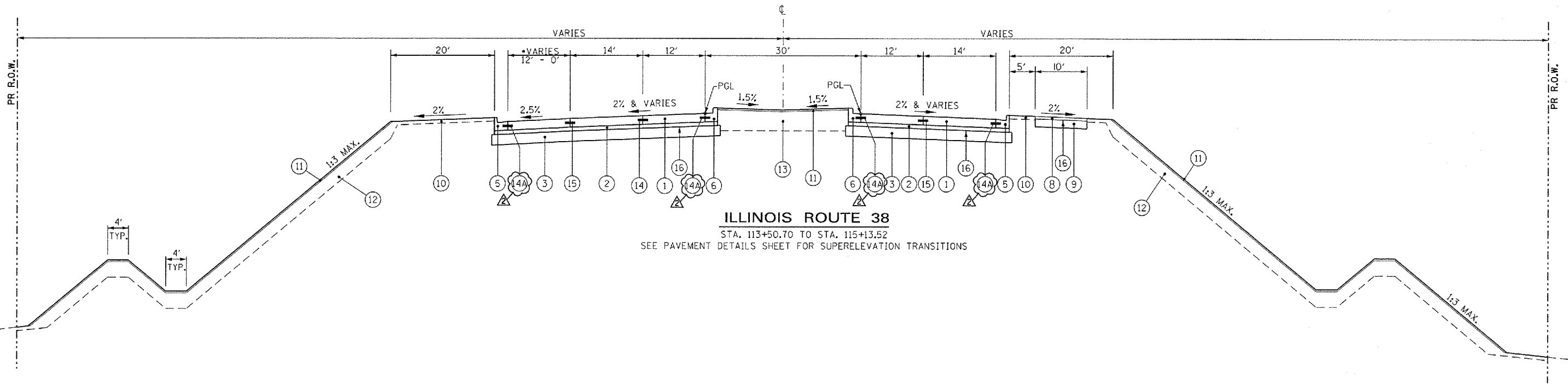
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 130 East Randolph Street, Chicago, Illinois 60601

FILE NAME * D:\60122-SHT-TYPICAL03.dgn	USER NAME * YK1m	DESIGNED - ---	REVISED  REV. 07/12/12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 15
PLOT SCALE * 1:10	CHECKED - EJG	REVISED -	REVISED -		SCALE: NONE	SHEET NO. 3 OF 8 SHEETS	STA.	TO STA.	<b>TYP-3</b>		CONTRACT NO. 60122	
PLOT DATE * 07/12/12	DATE - 03/07/12	REVISED -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							

**PROPOSED LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑭A LONGITUDINAL CONSTRUCTION JOINT - NO. 6 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.



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FILE NAME = D:\160122-SHT-TYPICAL\04.dgn	USER NAME = YK:m	DESIGNED - ---	REVISED  REV. 07/12/12	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 16		
PLOT SCALE = 1:10	CHECKED - E.J.G.	REVISOR -	REVISOR -			SCALE: NONE	SHEET NO. 4 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 60122		
PLOT DATE = 07/12/12	DATE - 03/07/12	REVISOR -	REVISOR -			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT						

**PROPOSED LEGEND**

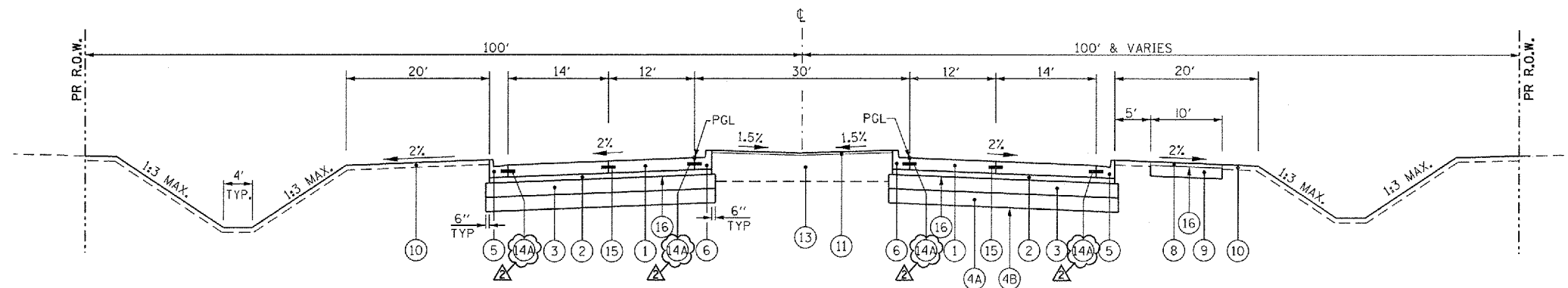
- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑭A LONGITUDINAL CONSTRUCTION JOINT - NO. 6 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWS JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.

**SUBGRADE REPLACEMENT TABLE (UNDERCUT)**

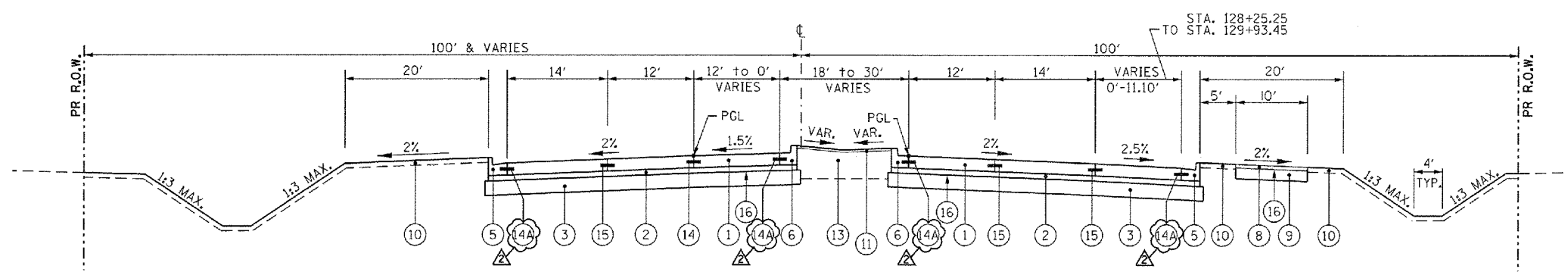
SUBGRADE REMOVAL AND REPLACEMENT WITH PGES SHALL BE REQUIRED PER THE FOLLOWING TABLE, OR AS DIRECTED BY THE ENGINEER. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE UTILIZED IN THESE AREAS AS WELL.

STATION LIMITS	OFFSET LIMITS	DEPTH BELOW SUBGRADE
102+75 TO 105+25	FULL WIDTH	24"
113+00 TO 115+00	FULL WIDTH	24"
124+00 TO 126+00	FULL WIDTH	12"
129+50 TO 132+50	FULL WIDTH	12"
135+50 TO 138+75	FULL WIDTH	12"
145+00 TO 149+90.55	FULL WIDTH	6"



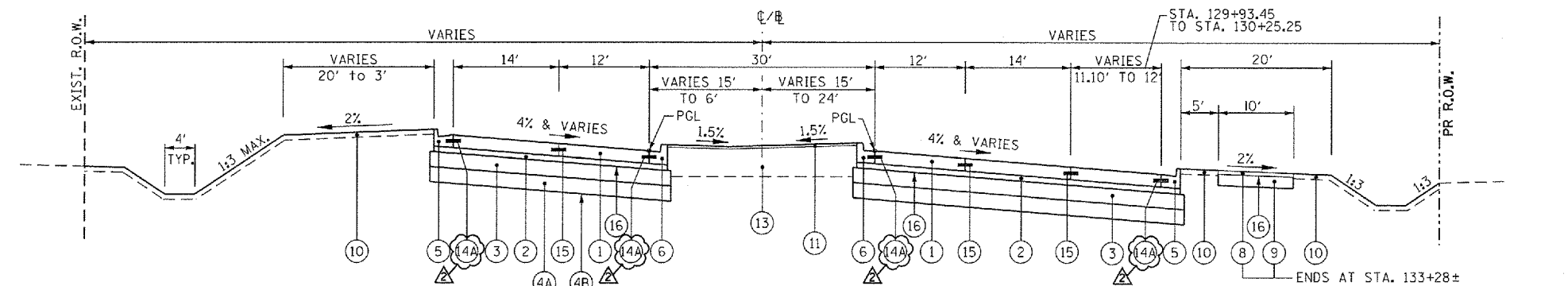
**ILLINOIS ROUTE 38**

STA. 120+80.19 TO STA. 126+00.00



**ILLINOIS ROUTE 38**

STA. 126+00.00 TO STA. 129+93.45  
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

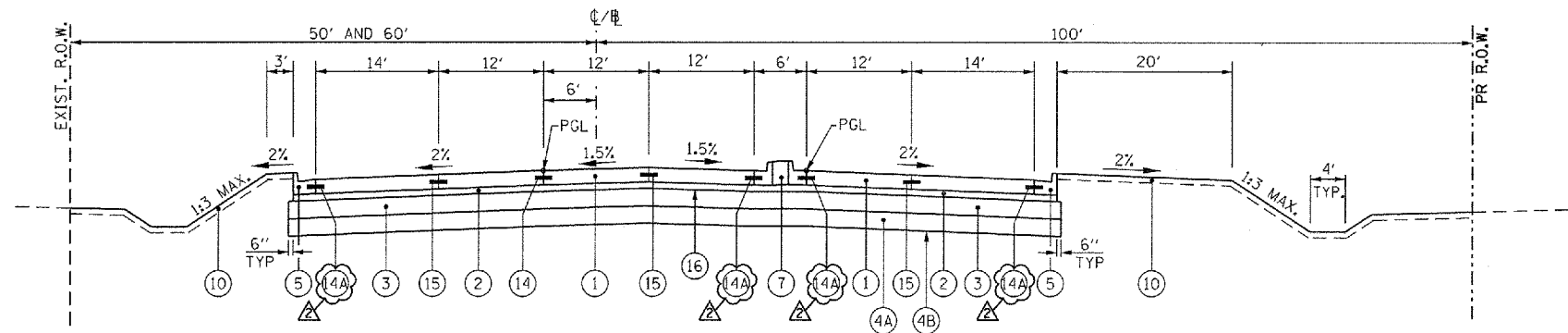


**ILLINOIS ROUTE 38**

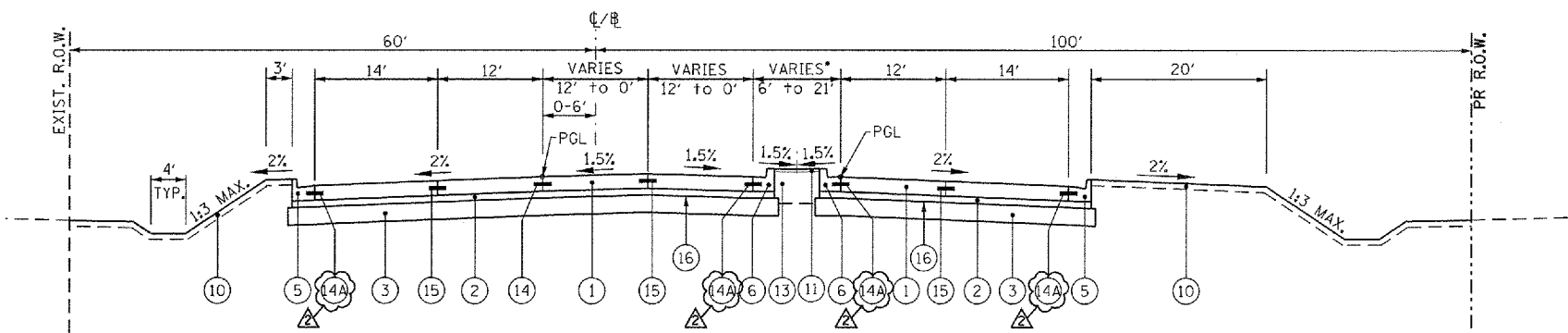
STA. 129+93.45 TO STA. 133+12.75  
STA. 133+12.75 TO STA. 135+30.97 (TANGENT SECTION)  
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

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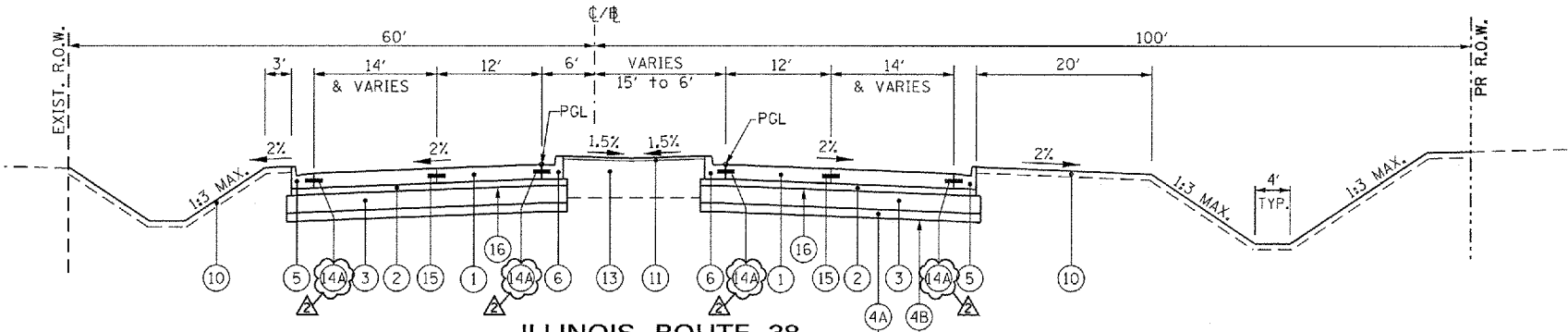
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PLOT SCALE = 1:10	CHECKED - EJG	REVISIED -	REVISIED -		SCALE: NONE	SHEET NO. 5 OF 8 SHEETS	STA.	TO STA.	<b>TYP-5</b>		CONTRACT NO. 60122	
PLOT DATE = 07/12/12	DATE - 03/07/12	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



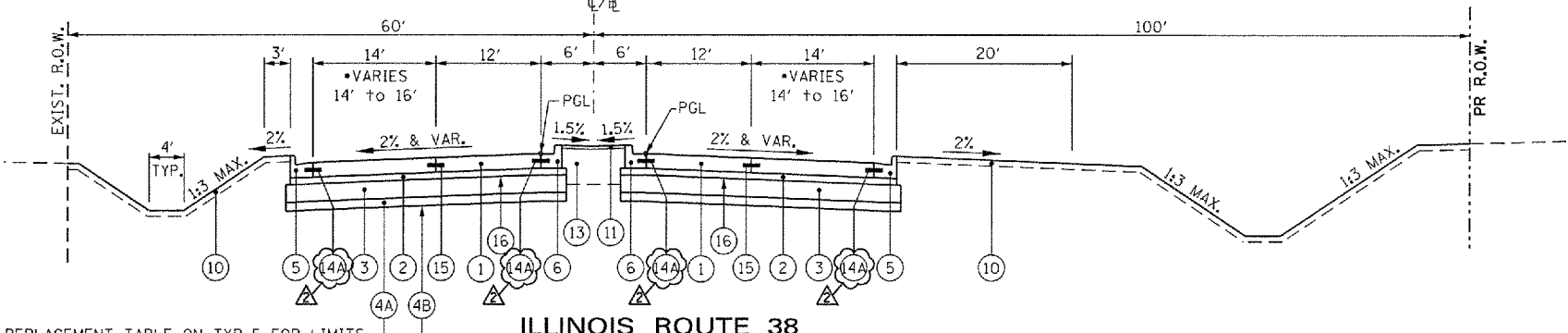
**ILLINOIS ROUTE 38**  
 STA. 135+30.97 TO STA. 141+79.88  
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS  
 SEE SUBGRADE REPLACEMENT TABLE ON TYP-5 FOR LIMITS



**ILLINOIS ROUTE 38**  
 STA. 141+79.88 TO STA. 145+39.97  
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS  
 • STA. 141+79.88 TO STA. 142+95.86 - USE ⑦



**ILLINOIS ROUTE 38**  
 STA. 145+39.97 TO STA. 149+00.55  
 SEE SUBGRADE REPLACEMENT TABLE ON TYP-5 FOR LIMITS



**ILLINOIS ROUTE 38**  
 STA. 149+00.55 TO STA. 149+90.55  
 SEE SUBGRADE REPLACEMENT TABLE ON TYP-5 FOR LIMITS

**PROPOSED LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑭A LONGITUDINAL CONSTRUCTION JOINT - NO. 6 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWS JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.

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 130 East Randolph Street, Chicago, Illinois 60601

FILE NAME = DIS0122-SHT-TYPICAL06.dgn	USER NAME = YK3m	DESIGNED - ---	REVISED  REV. 07/12/12
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		CHECKED - EJG	REVISED -
		DATE - 03/07/12	REVISED -

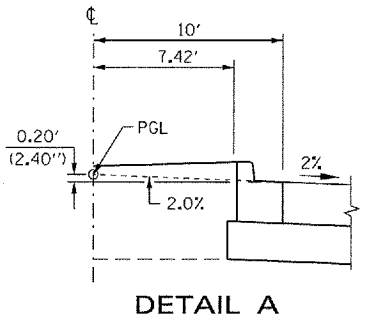
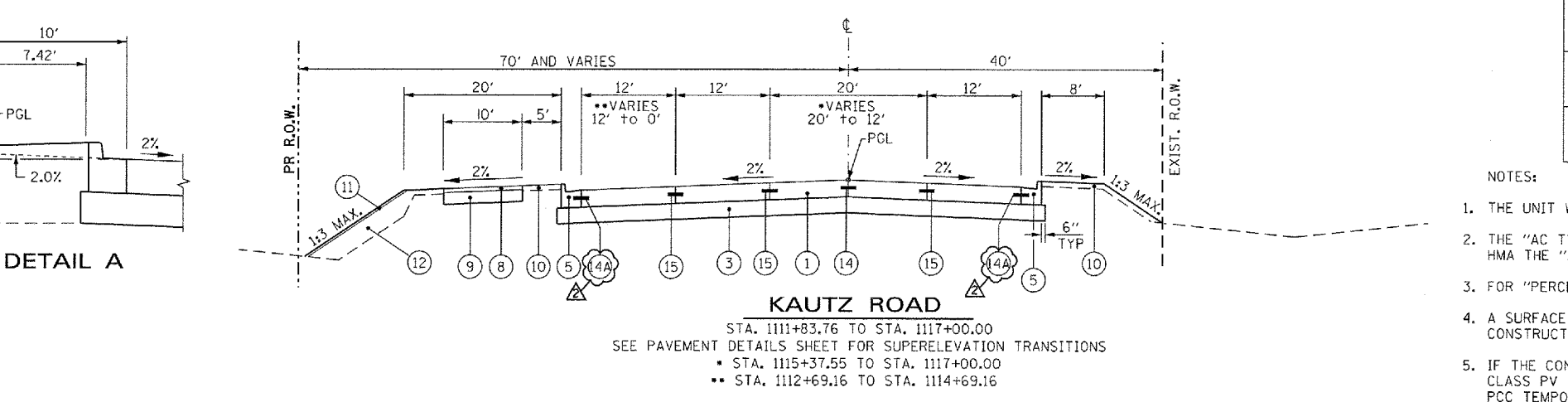
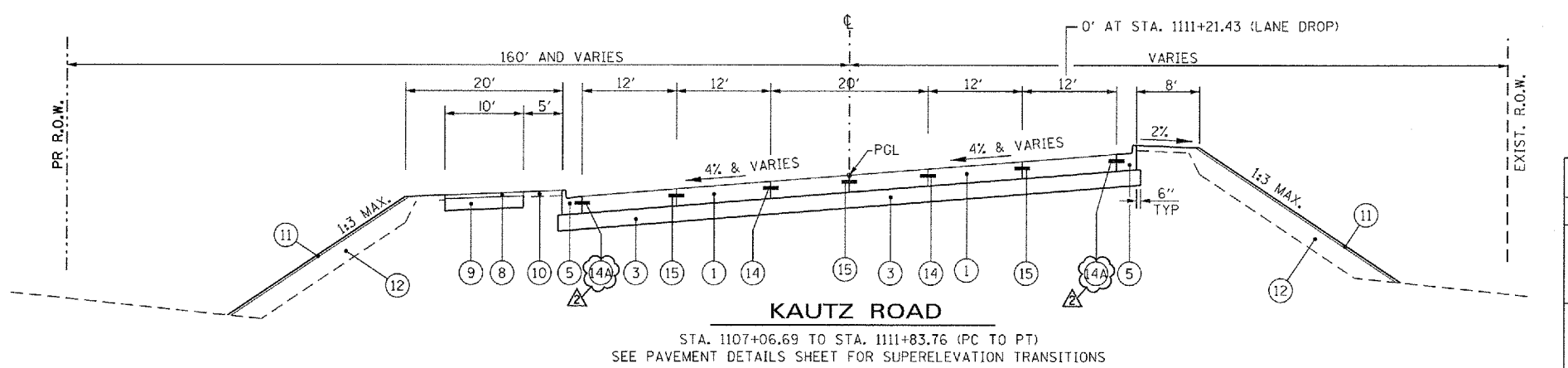
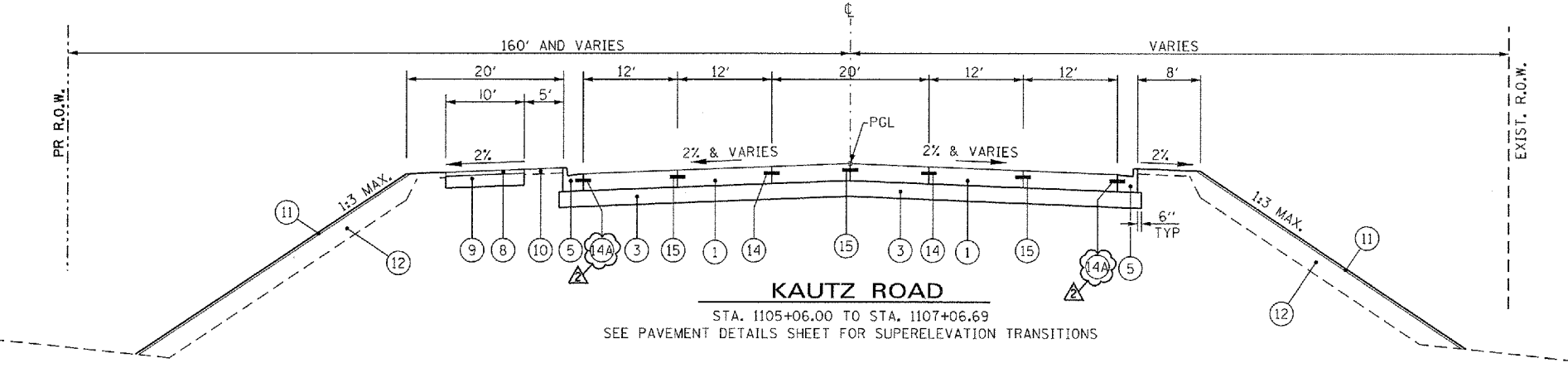
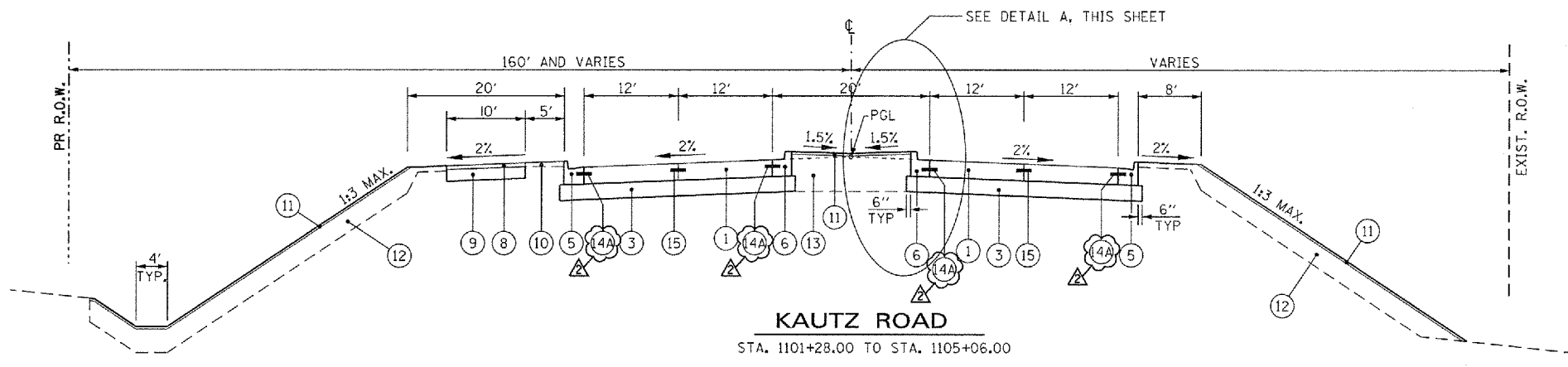
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 18
TYP-6			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**PROPOSED LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑭A LONGITUDINAL CONSTRUCTION JOINT - NO. 6 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
<b>TEMPORARY PAVEMENT (10')</b>	
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0 mm, 8" (IN 3 LIFTS)	
<b>DRIVEWAYS</b>	
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.
- HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), PE=6", CE=8"	
<b>MULTI-USE PATH</b>	
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.
<b>STABILIZED SUB-BASE</b>	
- STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (IL-19 mm)	3% @ 50 Gyr.
<b>PAVEMENT PATCHING</b>	
- CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.

**NOTES:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.
2. 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.
3. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
4. A SURFACE COURSE IS NOT REQUIRED IF TEMPORARY PAVEMENT IS REMOVED WITHIN THE SAME CONSTRUCTION SEASON; USE BASE OR BINDER COURSE FULL DEPTH.
5. IF THE CONTRACTOR CHOOSES TO USE CONCRETE FOR TEMPORARY PAVEMENT, IT SHALL CONSIST OF CLASS PY CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS. PCC TEMPORARY PAVEMENT SHALL BE A MINIMUM OF 10" THICK.

McDonough Associates Inc.  
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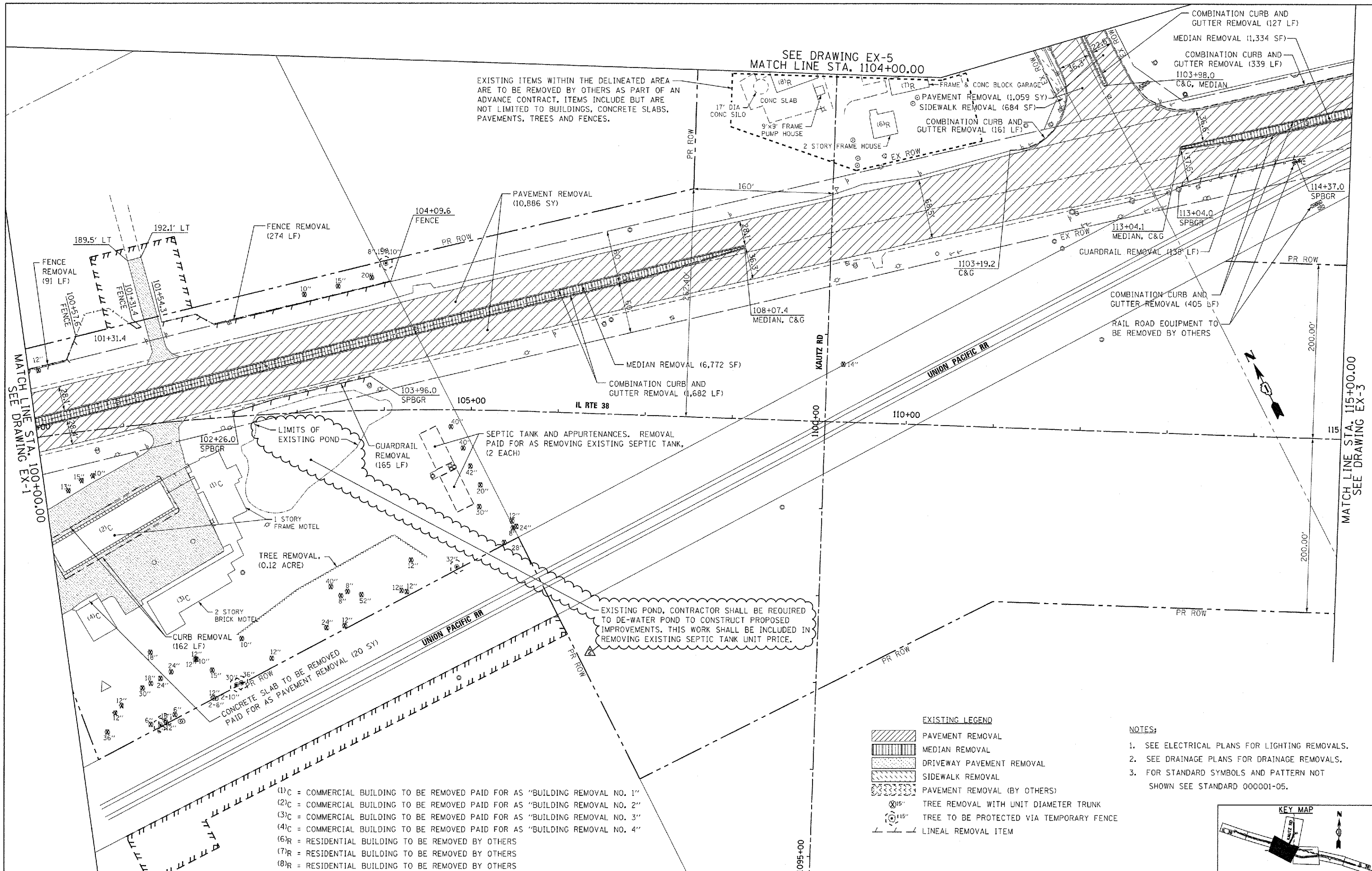
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DESIGNED - ---	REVISED  REV. 07/12/12
DRAWN - ---	REVISED -
CHECKED - EJG	REVISED -
DATE - 03/07/12	REVISED -

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

**PROPOSED TYPICAL SECTIONS**  
 SCALE: NONE SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 19
TYP-7			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



EXISTING ITEMS WITHIN THE DELINEATED AREA ARE TO BE REMOVED BY OTHERS AS PART OF AN ADVANCE CONTRACT. ITEMS INCLUDE BUT ARE NOT LIMITED TO BUILDINGS, CONCRETE SLABS, PAVEMENTS, TREES AND FENCES.

SEE DRAWING EX-5  
 MATCH LINE STA. 1104+00.00

MATCH LINE STA. 100+00.00  
 SEE DRAWING EX-1

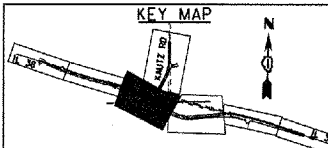
MATCH LINE STA. 115+00.00  
 SEE DRAWING EX-3

EXISTING POND, CONTRACTOR SHALL BE REQUIRED TO DE-WATER POND TO CONSTRUCT PROPOSED IMPROVEMENTS. THIS WORK SHALL BE INCLUDED IN REMOVING EXISTING SEPTIC TANK UNIT PRICE.

- EXISTING LEGEND**
- PAVEMENT REMOVAL
  - MEDIAN REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - SIDEWALK REMOVAL
  - PAVEMENT REMOVAL (BY OTHERS)
  - TREE REMOVAL WITH UNIT DIAMETER TRUNK
  - TREE TO BE PROTECTED VIA TEMPORARY FENCE
  - LINEAL REMOVAL ITEM

- NOTES:**
1. SEE ELECTRICAL PLANS FOR LIGHTING REMOVALS.
  2. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
  3. FOR STANDARD SYMBOLS AND PATTERN NOT SHOWN SEE STANDARD 000001-05.

- (1)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 1"
- (2)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 2"
- (3)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 3"
- (4)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 4"
- (6)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS
- (7)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS
- (8)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS



FILE NAME = D16E122-SHT-REM02.dgn	USER NAME = YKlm	DESIGNED - JTF	REVISED  REV. 07/12/12
		DRAWN - JTF	REVISED -
		CHECKED - EJJ	REVISED -
		DATE - 03/07/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 38 EXISTING AND REMOVAL PLAN

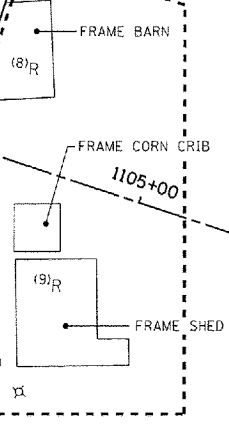
SCALE: 1"=50' SHEET NO. 2 OF 4 SHEETS STA. 100+00 TO STA. 115+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 27
EX-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING ITEMS WITHIN THE DELINEATED AREA ARE TO BE REMOVED BY OTHERS AS PART OF AN ADVANCE CONTRACT. ITEMS INCLUDE BUT ARE NOT LIMITED TO BUILDINGS, CONCRETE SLABS, PAVEMENTS, TREES AND FENCES.

SEE DRAWING EX-2  
MATCH LINE STA. 1104+00.00



DRIVEWAY PAVEMENT REMOVAL (563 SY)

"ROQUETTE" SIGN TO BE REMOVED AND/OR RELOCATED BY OTHERS.

SIDEWALK REMOVAL (12,380 SF)

COMBINATION CONCRETE CURB AND GUTTER REMOVAL (1,324 LF)

LIMITS OF REMOVAL STA 1117+00.00

1104+93.9 MEDIAN, C&G.

COMBINATION CONCRETE CURB AND GUTTER REMOVAL (817 LF)

MEDIAN REMOVAL (121 SF)  
COMBINATION CURB AND GUTTER REMOVAL (94 LF)

GOLF COURSE ENTRANCE SIGN TO BE REMOVED AND/OR RELOCATED BY OTHERS.

GOLF COURSE ENTRANCE SIGN TO BE REMOVED AND/OR RELOCATED BY OTHERS.

PAVEMENT REMOVAL (824 SY)  
COMBINATION CONCRETE CURB AND GUTTER REMOVAL (299 LF)

EXISTING LEGEND

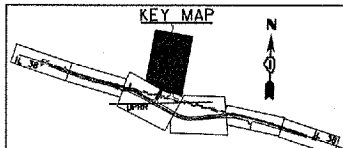
- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL (BY OTHERS)
- TREE REMOVAL WITH UNIT DIAMETER TRUNK
- TREE TO BE PROTECTED VIA TEMPORARY FENCE
- LINEAL REMOVAL ITEM

NOTES:

1. SEE ELECTRICAL PLANS FOR LIGHTING REMOVALS.
2. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
3. FOR STANDARD SYMBOLS AND PATTERN NOT SHOWN SEE STANDARD 000001-05.

LONGEST DRIVE NOTES:

1. EXISTING PAVEMENT ON LONGEST DRIVE CONSISTS OF BRICK PAVERS. THE PAVERS SHALL BE REMOVED, PALLETIZED AND SET ASIDE. THIS COST SHALL BE INCLUDED IN THE UNIT PRICE PER SQUARE YARD FOR PAVEMENT REMOVAL.
2. THERE IS AN EXISTING SPRINKLER SYSTEM ALONG LONGEST DRIVE THAT THE CONTRACTOR WILL BE REQUIRED TO CUT AND CAP. COORDINATION WITH GOLF COURSE PERSONNEL IS REQUIRED. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



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FILE NAME = 0160122-SHT-REM05.dgn	USER NAME = EricG	DESIGNED - JTF	REVISED  REV. 07/12/12
		DRAWN - JTF	REVISED -
		CHECKED - EJG	REVISED -
		DATE - 03/07/12	REVISED -

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DEPARTMENT OF TRANSPORTATION

KAUTZ ROAD EXISTING AND REMOVAL PLAN

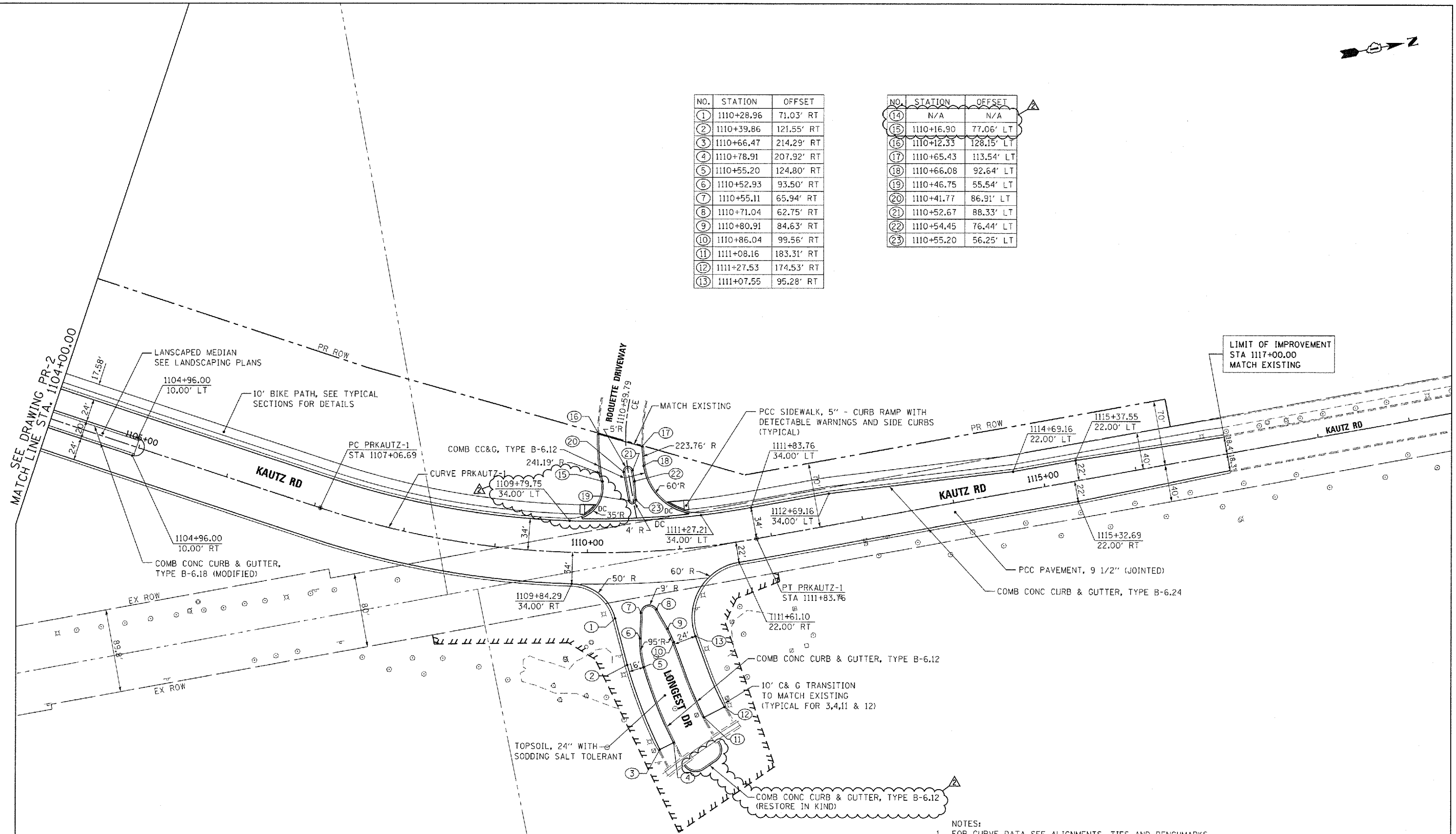
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (H&VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 30
EX-5			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

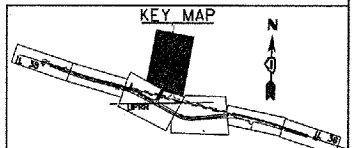


NO.	STATION	OFFSET
1	1110+28.96	71.03' RT
2	1110+39.86	121.55' RT
3	1110+66.47	214.29' RT
4	1110+78.91	207.92' RT
5	1110+55.20	124.80' RT
6	1110+52.93	93.50' RT
7	1110+55.11	65.94' RT
8	1110+71.04	62.75' RT
9	1110+80.91	84.63' RT
10	1110+86.04	99.56' RT
11	1111+08.16	183.31' RT
12	1111+27.53	174.53' RT
13	1111+07.55	95.28' RT

NO.	STATION	OFFSET
14	N/A	N/A
15	1110+16.90	77.06' LT
16	1110+12.33	128.15' LT
17	1110+65.43	113.54' LT
18	1110+66.08	92.64' LT
19	1110+46.75	55.54' LT
20	1110+41.77	86.91' LT
21	1110+52.67	88.33' LT
22	1110+54.45	76.44' LT
23	1110+55.20	56.25' LT



- NOTES:
- FOR CURVE DATA SEE ALIGNMENTS, TIES AND BENCHMARKS, SEE DRAWINGS AT-1 & AT-2.
  - FOR DRIVEWAY DETAILS SEE DRAWINGS DE-1 AND DISTRICT 1 STANDARD BD-01.
  - FOR ROW CALL-OUTS SEE PLAT OF HIGHWAY SHEETS.
  - DC = DEPRESSED CURB (PAID FOR AS COMB CC&G TB6.24 OR TB6.18)
  - OFFSETS SHOWN ARE TO EDGE OF PAVEMENT.



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FILE NAME = D1680122-SHT-PLAN05.dgn	USER NAME = YKjm	DESIGNED - JTF	REVISED  REV. 07/12/12
PLOT SCALE = 1:50	CHECKED - EJG	DRAWN - JTF	REVISED -
PLOT DATE = 07/12/12	DATE - 03/07/12		REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

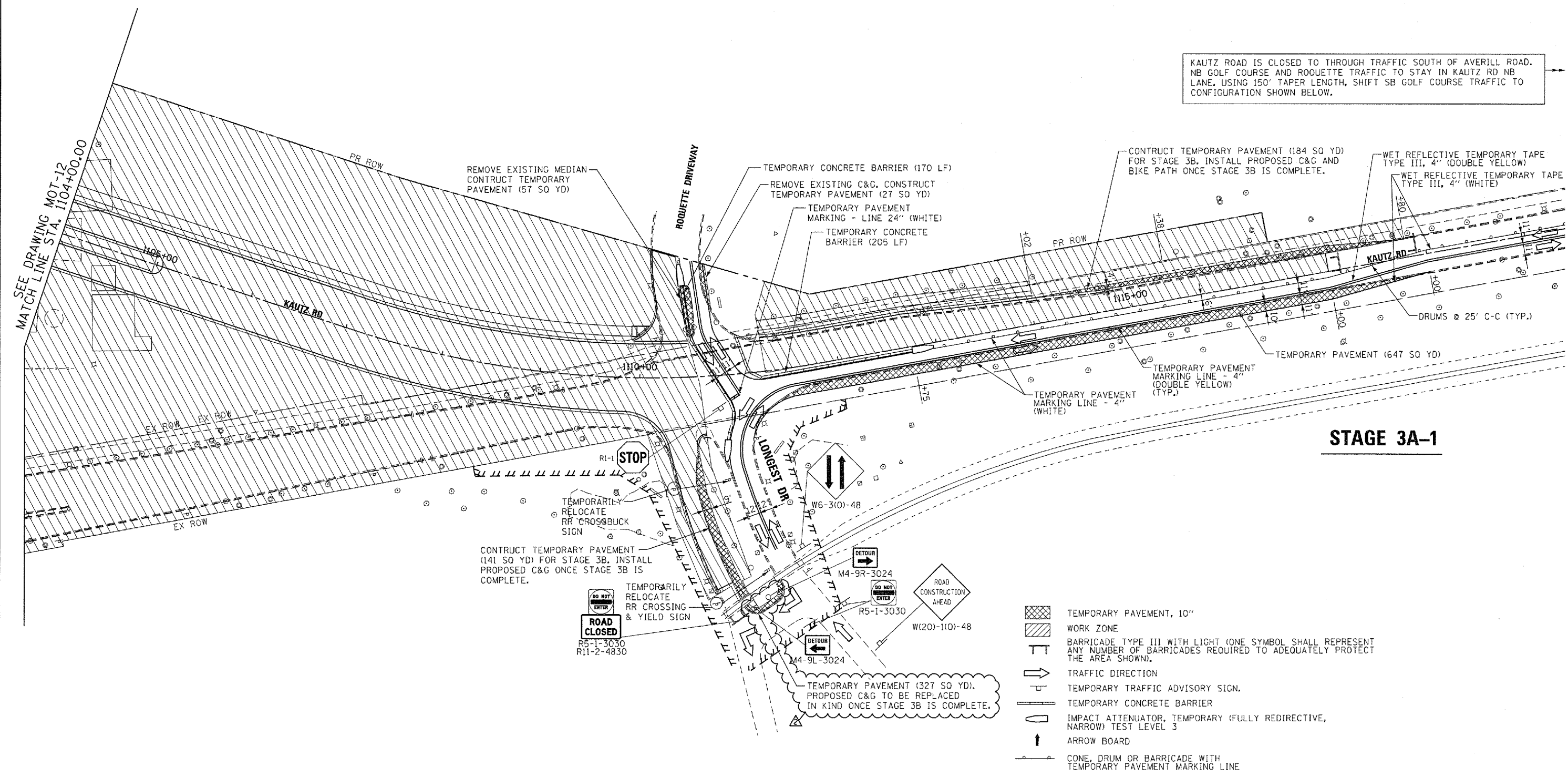
KAUTZ ROAD PROPOSED PLAN

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 35
PR-5			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

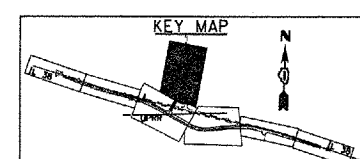


KAUTZ ROAD IS CLOSED TO THROUGH TRAFFIC SOUTH OF AVERILL ROAD. NB GOLF COURSE AND ROQUETTE TRAFFIC TO STAY IN KAUTZ RD NB LANE. USING 150' TAPER LENGTH, SHIFT SB GOLF COURSE TRAFFIC TO CONFIGURATION SHOWN BELOW.



**STAGE 3A-1**

- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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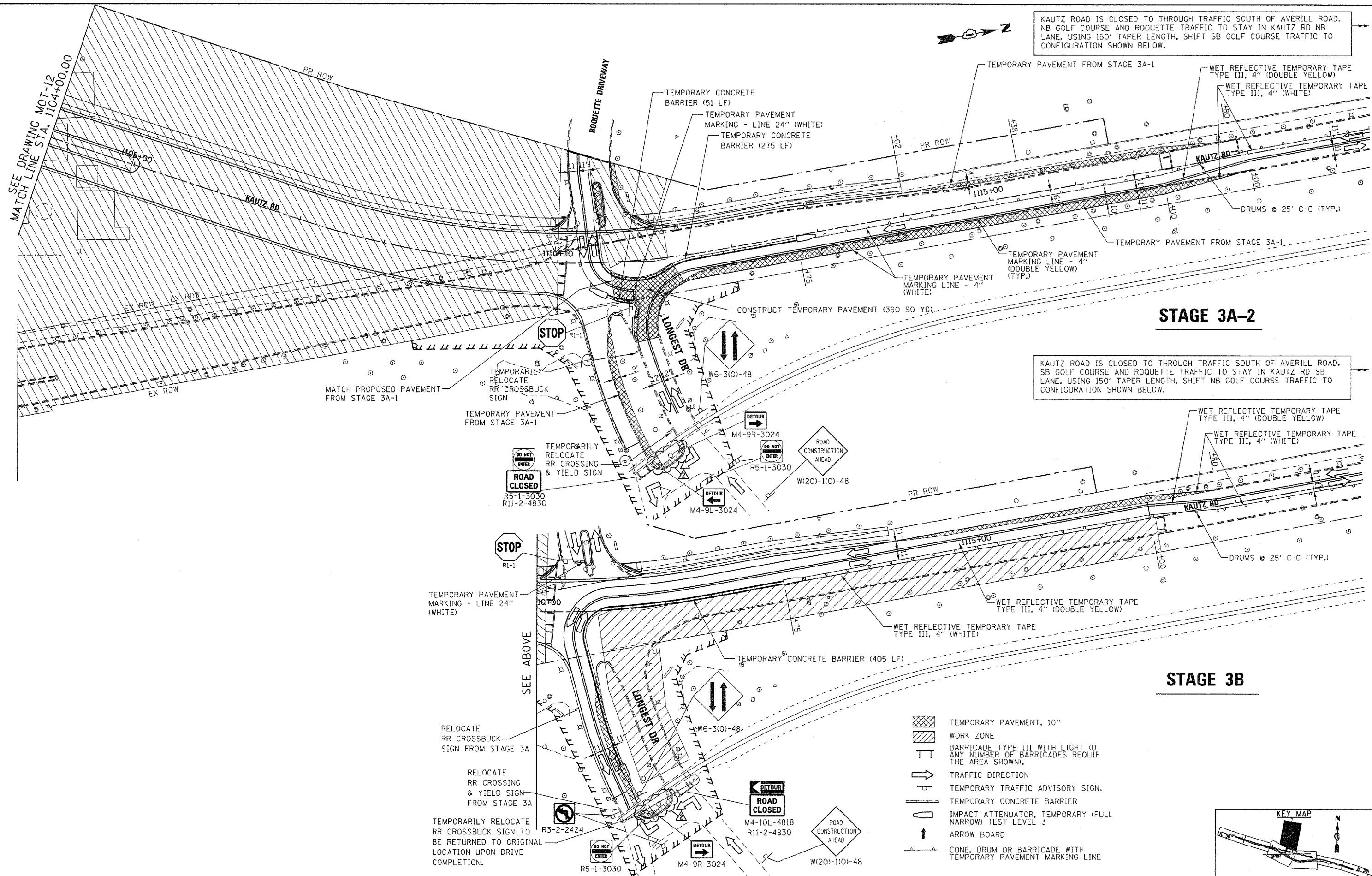
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		CHECKED - EJC	REVISED -
		DATE - 03/07/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3**

SCALE: 1"=50' SHEET NO. 15 OF 17 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 56
MOT-15			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



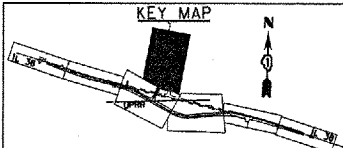
KAUTZ ROAD IS CLOSED TO THROUGH TRAFFIC SOUTH OF AVERILL ROAD. NB GOLF COURSE AND ROUQUETTE TRAFFIC TO STAY IN KAUTZ RD NB LANE. USING 150' TAPER LENGTH, SHIFT SB GOLF COURSE TRAFFIC TO CONFIGURATION SHOWN BELOW.

KAUTZ ROAD IS CLOSED TO THROUGH TRAFFIC SOUTH OF AVERILL ROAD. SB GOLF COURSE AND ROUQUETTE TRAFFIC TO STAY IN KAUTZ RD SB LANE. USING 150' TAPER LENGTH, SHIFT NB GOLF COURSE TRAFFIC TO CONFIGURATION SHOWN BELOW.

**STAGE 3A-2**

**STAGE 3B**

- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (0 ANY NUMBER OF BARRICADES REQUIF THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULL NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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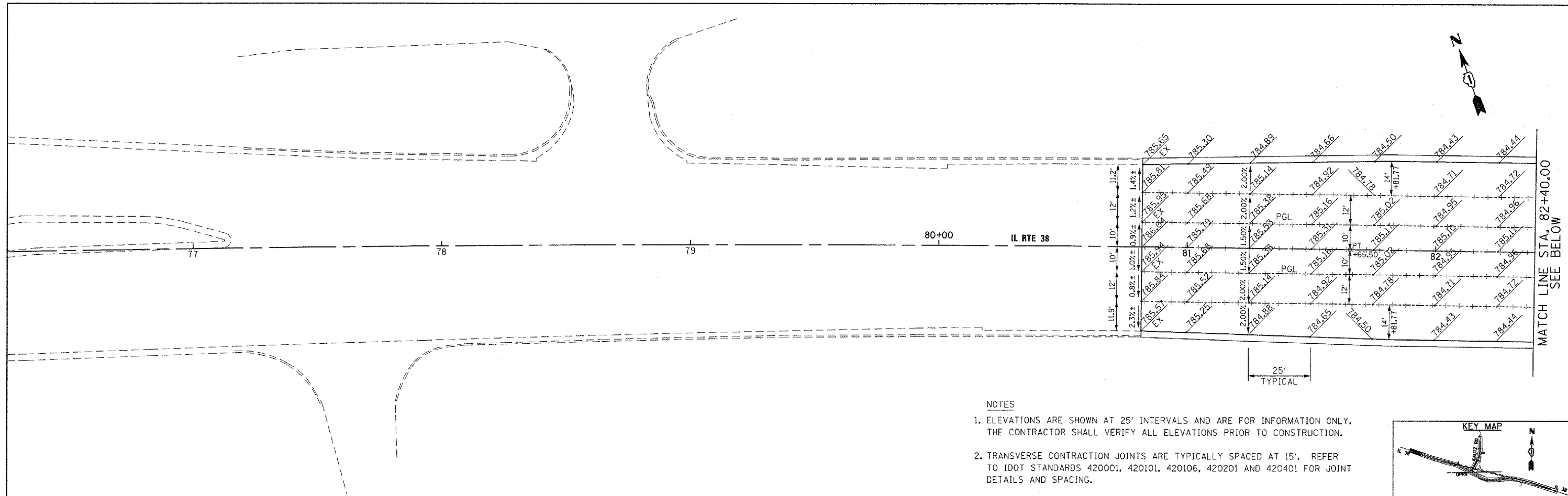
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PLOT DATE = 07/12/12	DATE - 03/07/12	REVISED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

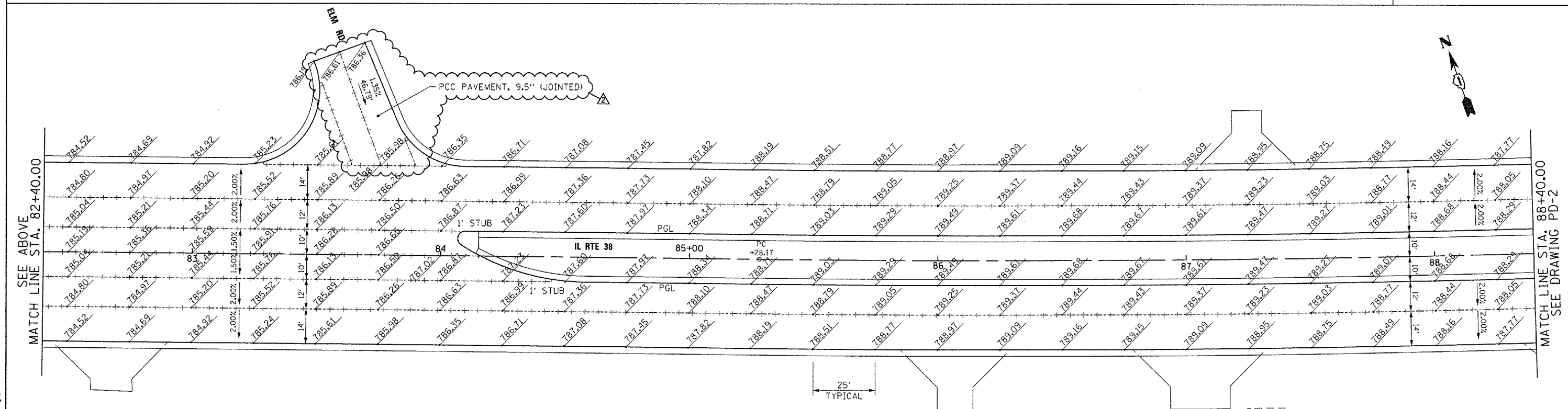
**MAINTENANCE OF TRAFFIC  
STAGE 3**

SCALE: 1"=50' SHEET NO. 16 OF 17 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 57
MOT-16		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



- NOTES
- ELEVATIONS ARE SHOWN AT 25' INTERVALS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.
  - TRANSVERSE CONTRACTION JOINTS ARE TYPICALLY SPACED AT 15'. REFER TO IDOT STANDARDS 420001, 420101, 420106, 420201 AND 420401 FOR JOINT DETAILS AND SPACING.



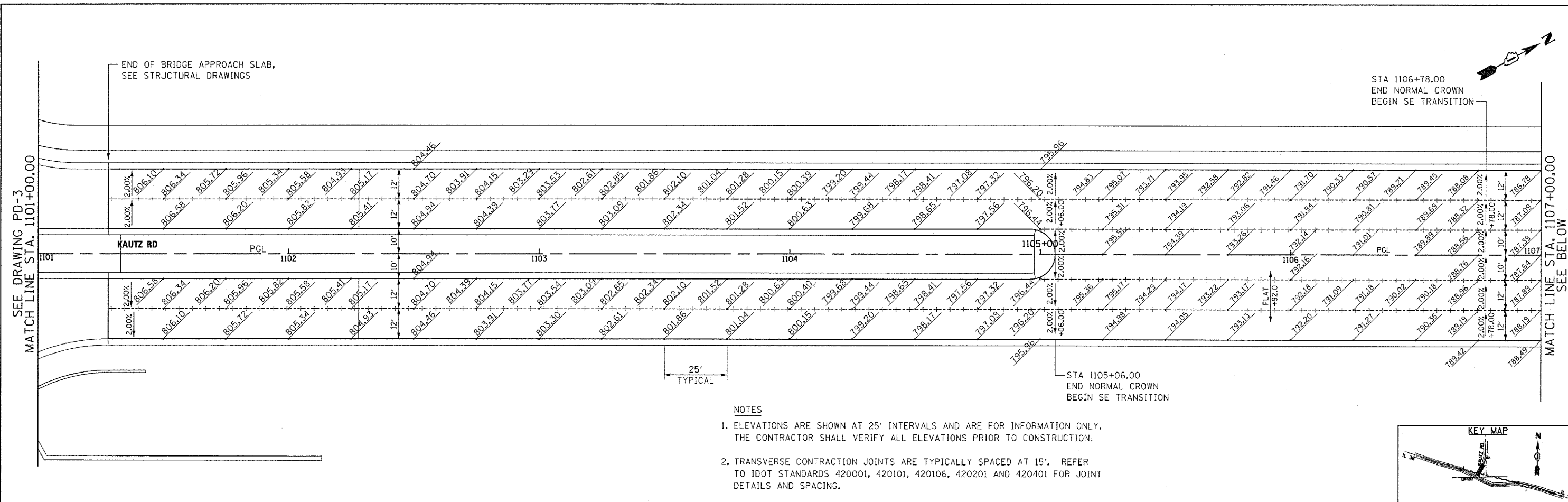
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		DRAWN - JTF	REVISED -
		CHECKED - EJJ	REVISED -
		DATE - 03/07/12	REVISED -

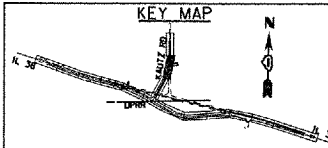
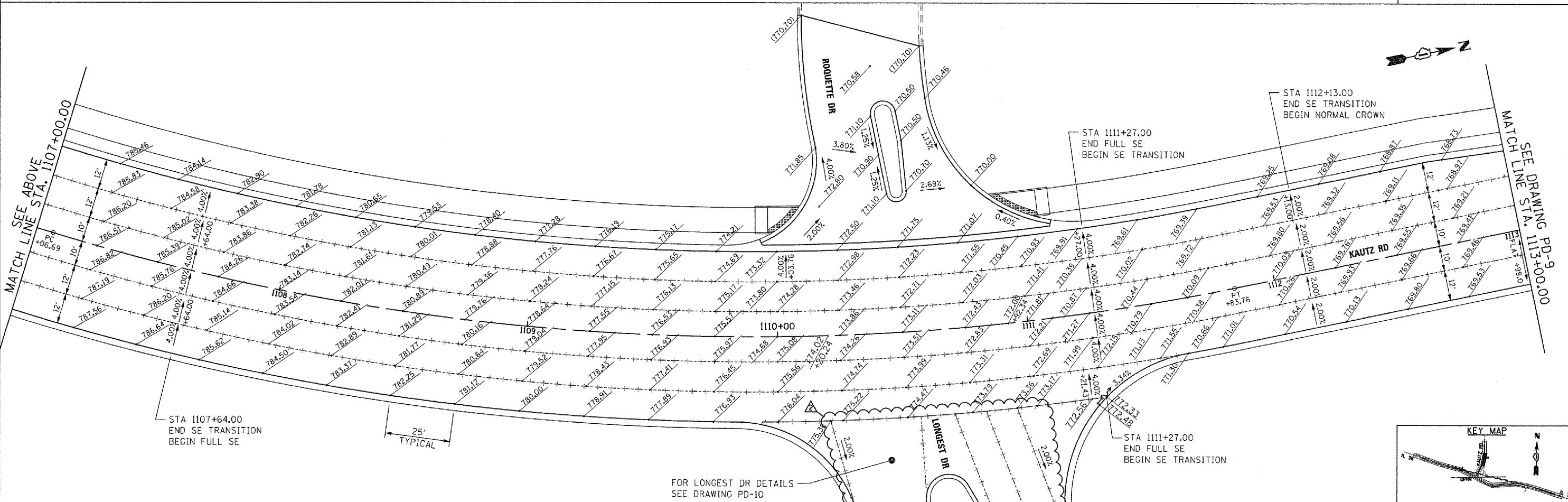
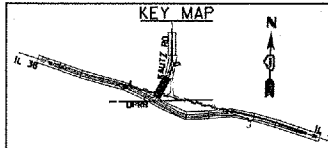
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 38 PAVEMENT DETAILS	
SCALE: 1"=20'	SHEET NO. 1 OF 7 SHEETS
STA. BEGIN	TO STA. 88+40

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 115
PD-1			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES
- ELEVATIONS ARE SHOWN AT 25' INTERVALS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.
  - TRANSVERSE CONTRACTION JOINTS ARE TYPICALLY SPACED AT 15'. REFER TO IDOT STANDARDS 420001, 420101, 420106, 420201 AND 420401 FOR JOINT DETAILS AND SPACING.



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FILE NAME = D160122-SHT-PAVEMENT-DETAIL.S08.dgn	USER NAME = YK1m	DESIGNED - JTF	REVISED  REV. 07/12/12
		DRAWN - JTF	REVISED -
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	PLOT DATE = 07/12/12	DATE - 03/07/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

KAUTZ ROAD PAVEMENT DETAILS

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. 1101+00 TO STA. 1113+00

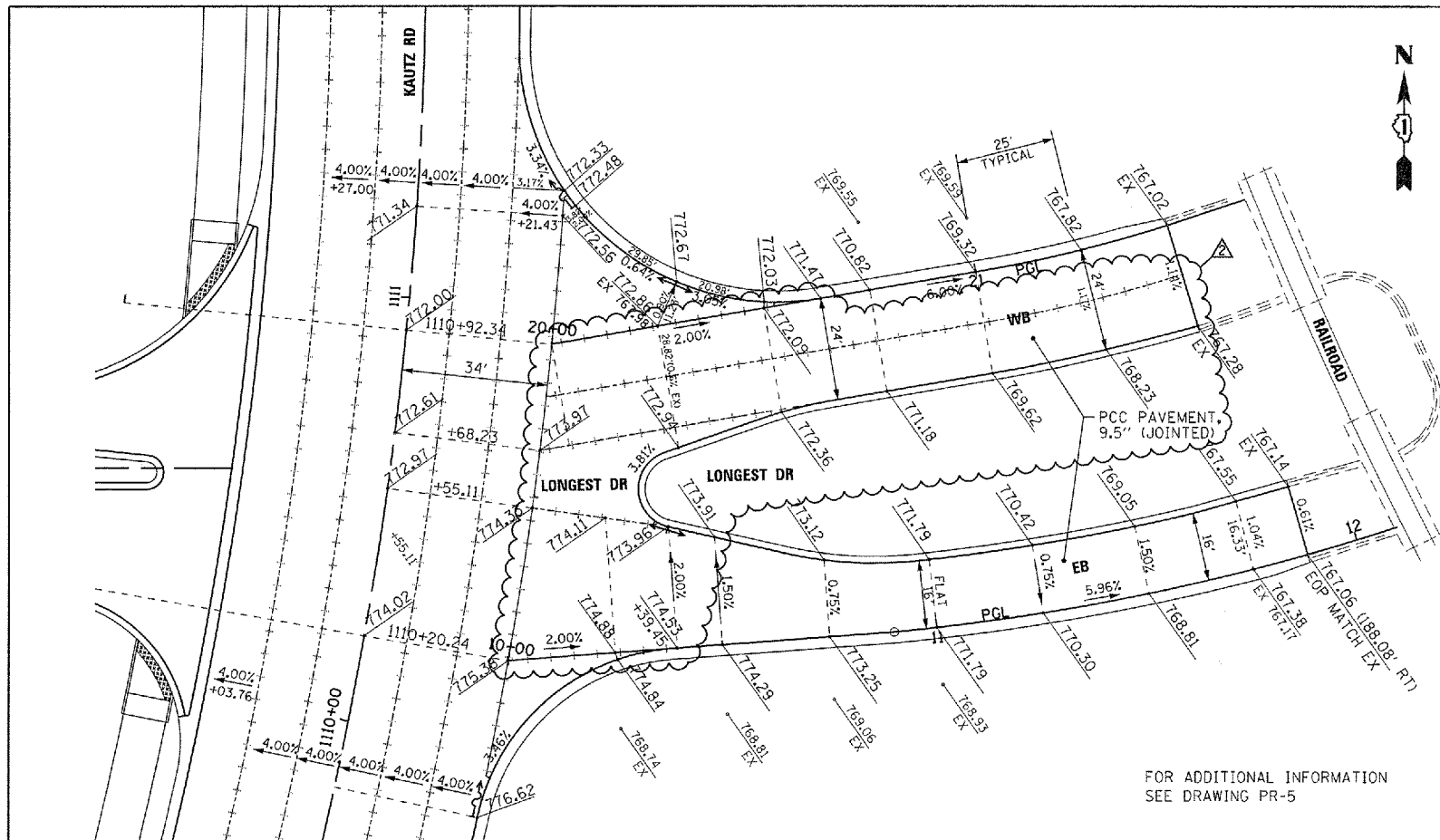
F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 122
PD-8		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



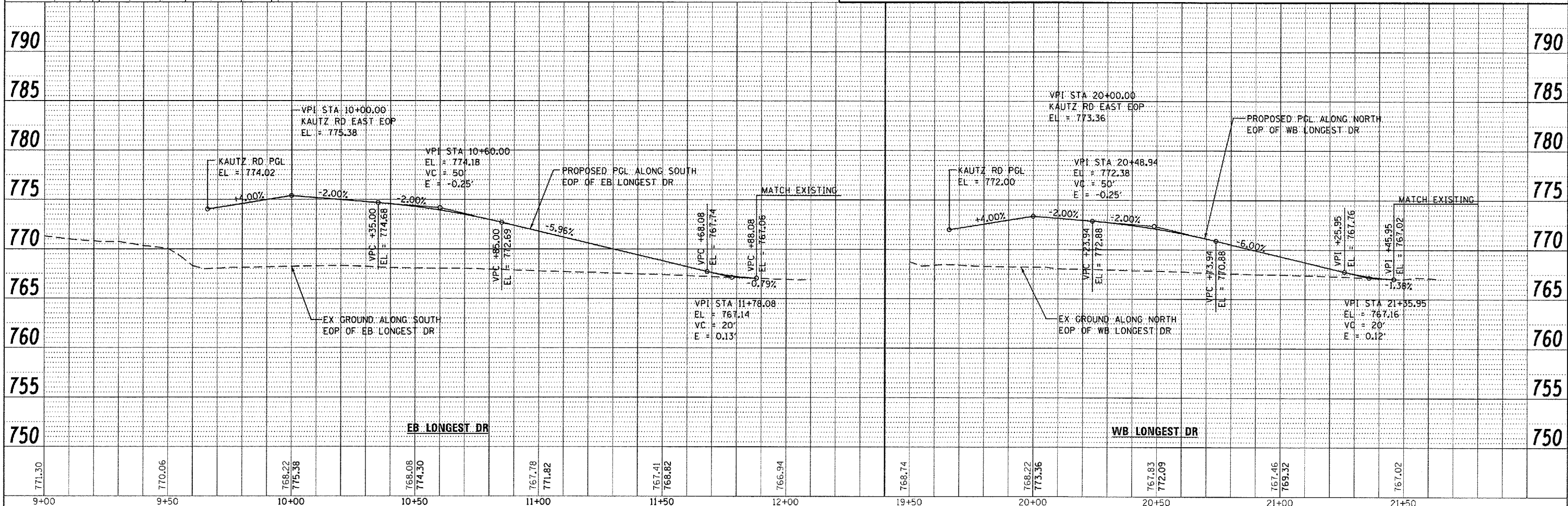
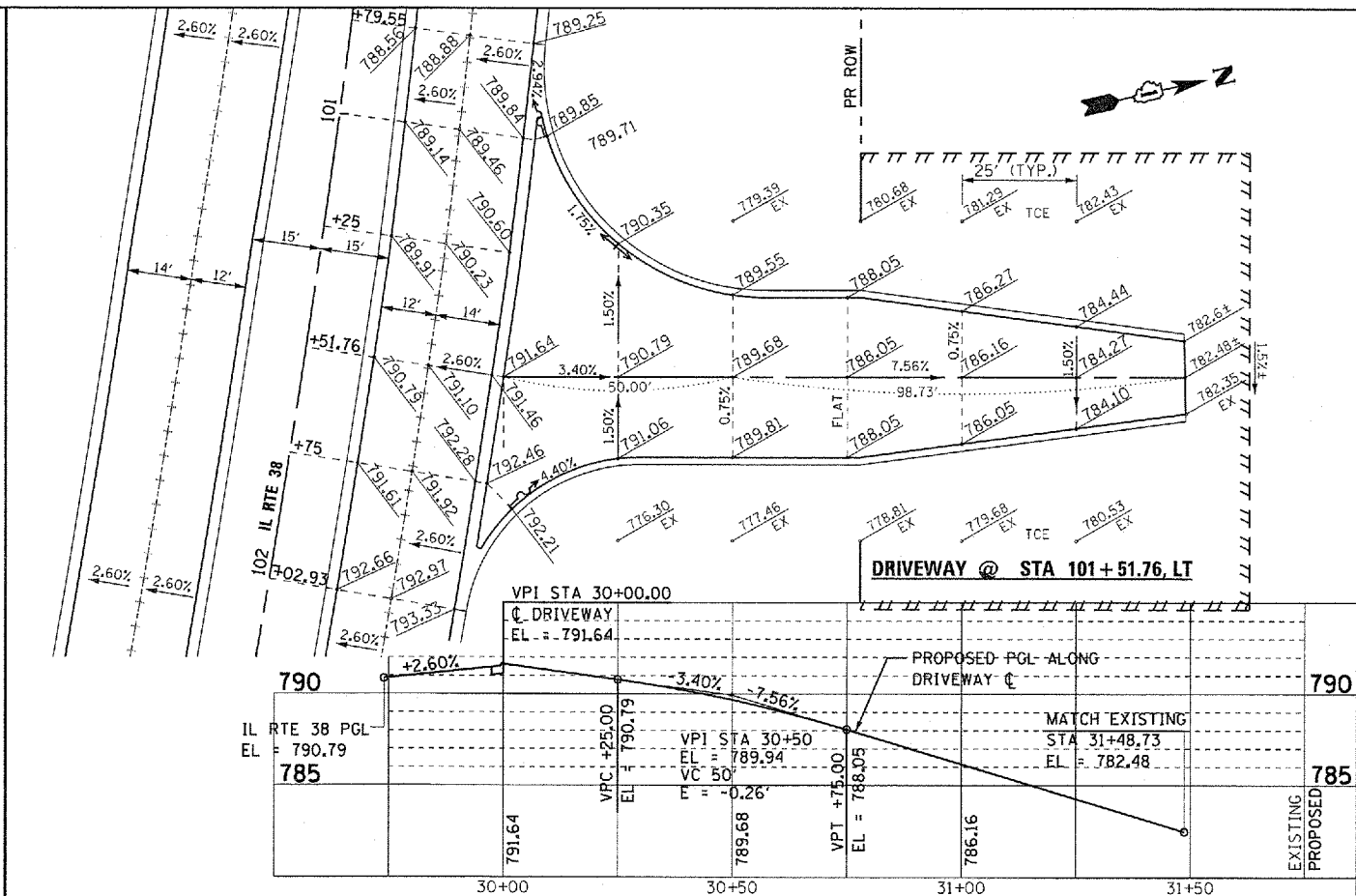
DATE	BY
REVISIONS	
PLANNING	
DESIGN	
CHECKED	
NO.	

DATE	BY
REVISIONS	
PROFILE	
GRADES	
STRUCTURE	
NOTATIONS	
NO.	

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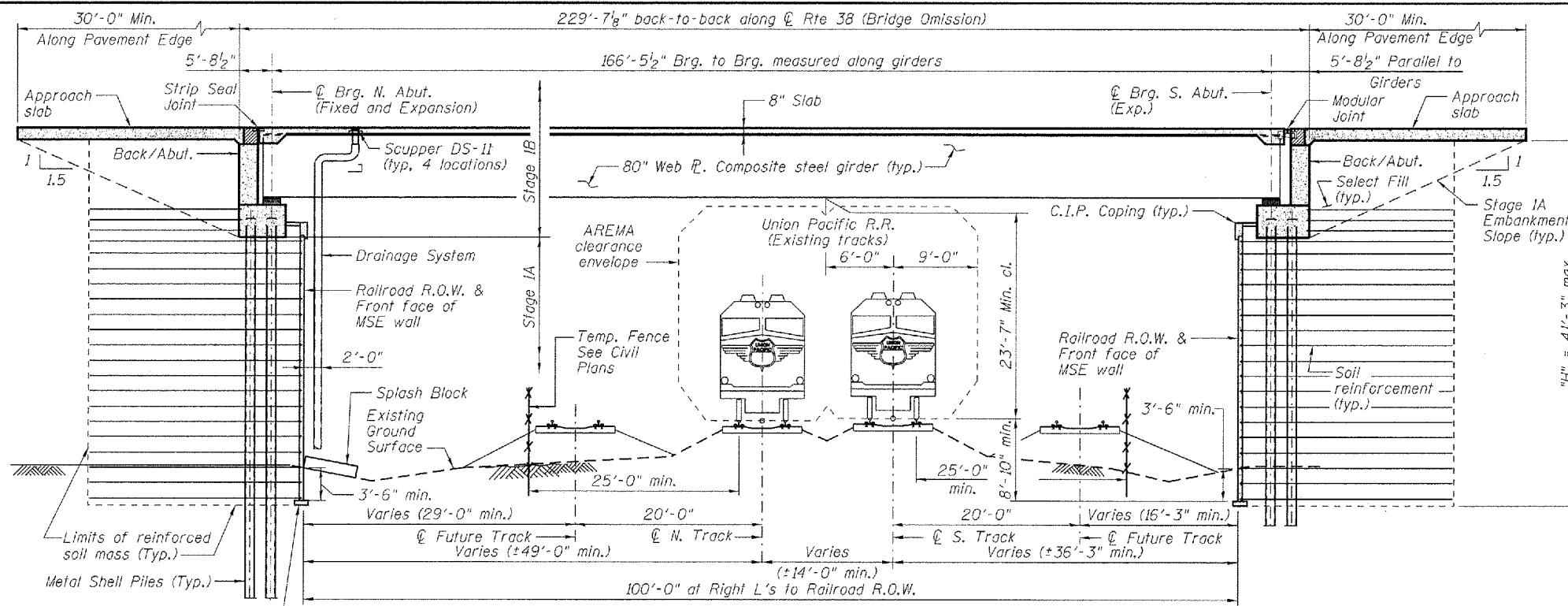
FOR ADDITIONAL INFORMATION  
SEE DRAWING PR-5



FILE NAME =	USER NAME = YK1m	DESIGNED - JTF	REVISED - REV. 07/12/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LONGEST DR PLAN AND PROFILE AND PAVEMENT DETAILS		F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 124
0150122-SHT-PAVEMENT-DETAILS10.dgn	PLOT SCALE = 1:20	DRAWN - JTF	CHECKED - EJJ			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	PD-10 CONTRACT NO. 60122		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Detectable Warnings	Sq Ft	53		53
Structure Excavation	Cu Yd		7,076	7,076
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd		4,917	4,917
Floor Drains	Each	4		4
Concrete Structures	Cu Yd		995.0	995.0
Concrete Superstructure	Cu Yd	2,534.7		2,534.7
Bridge Deck Grooving	Sq Yd	5,557		5,557
Form Liner Textured Surface	Sq Ft	1,261		1,261
Protective Coat	Sq Yd	6,564		6,564
Furnishing And Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	12,824		12,824
Reinforcement Bars, Epoxy Coated	Pound	670,380	133,250	803,630
Bar Splicers	Each		690	690
Aluminum Railing, Type L	Foot	360		360
Bridge Fence Railing (Sidewalk)	Foot	335		335
Furnishing Metal Shell Piles 14" X 0.250"	Foot		17,646	17,646
Driving Piles	Foot		17,646	17,646
Test Pile Metal Shells	Each		6	6
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	514		514
Elastomeric Bearing Assembly, Type I	Each	31		31
Elastomeric Bearing Assembly, Type II	Each	13		13
Anchor Bolts, 1 1/2"	Each	120		120
Concrete Sealer	Sq Ft		9,580	9,580
Chain Link Fence, 8'	Foot	610		610
Drainage Scuppers, DS-II	Each	4		4
Drainage System	L Sum	1		1
Geotextile Retaining Wall	Sq Ft		15,618	15,618
Mechanically Stabilized Earth Retaining Wall	Sq Ft		36,711	36,711
Modular Expansion Joint 6"	Foot	343		343
Porous Granular Embankment, Subgrade	Cu Yd		4,917	4,917



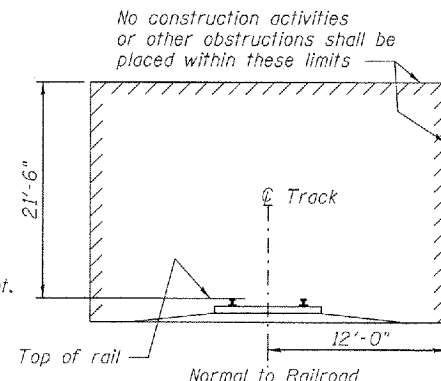
**SECTION B-B**

**SECTION THRU BRIDGE**  
(Looking East)

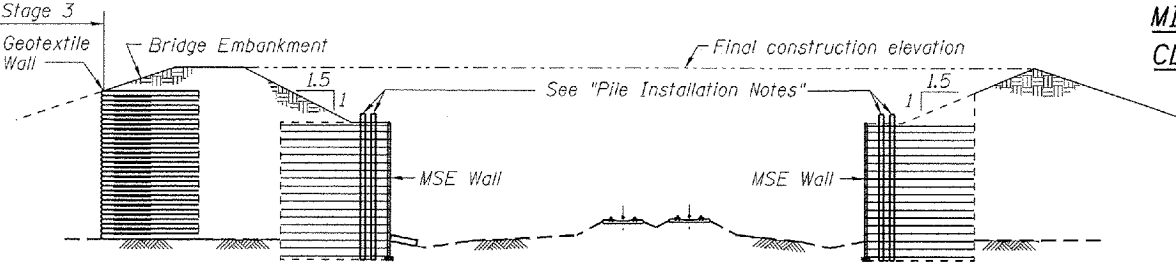
**GENERAL NOTES**

- Fasteners shall be AASHTO M164 Type 3, mechanically galvanized bolts. Bolts 7/8 in. dia., holes 1 1/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel:  
AASHTO M270 Gr50W = 1,640,980 lbs  
ASTM A847 = 1,200 lbs.
- All structural steel shall be AASHTO M270 Gr50W (except expansion joints which shall be AASHTO M270 Gr50 and the HSS used in the traffic masts shall be ASTM A847). All structural steel shall be cleaned as specified in the Section 506 of the Standard Specifications.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete sealer shall be applied to the exposed surfaces of the backwalls, bridge seats, and front faces of pile caps of the North and South Abutments.
- All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
- The proposed grade separation project shall not increase the quantity and/or characteristics of the flow in the Railroad's ditches and/or drainage structures.
- The elevation of the existing top-of-rail profile shall be verified before beginning construction. All discrepancies shall be brought to the attention of the Railroad prior to construction.
- The contractor must submit a proposed method of erosion and sediment control and have the method approved by the Railroad.
- Slipforming of parapets is not allowed.

- All shoring systems that impact the Railroad's operations and/or supports the Railroad's embankment shall be designed and constructed per current Railroad Guidelines for Temporary Shoring.
- All demolitions within the Railroad's right-of-way and/or demolition that may impact the Railroad's tracks or operations shall be in compliance with the Railroad's Demolition Guidelines.
- Erection over the Railroad's right-of-way shall be designed to cause no interruption to the Railroad's operation, enabling the track(s) to remain open to traffic per the Railroad's requirements.
- Railroad requirements do not allow work within 50 feet of track centerline when a train passes the work site and all personnel must clear the area within 25 feet of the track centerline and secure all equipment.
- False-work clearances shall comply with minimum construction clearances.
- All permanent clearances shall be verified before project closing.

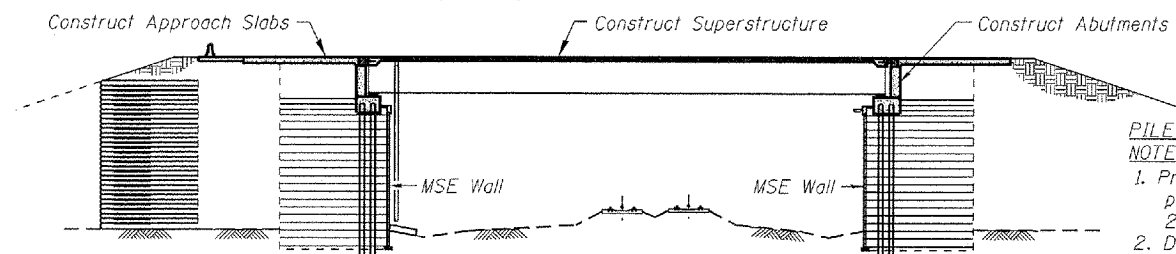


**MINIMUM CONSTRUCTION CLEARANCE ENVELOPE**



**STAGE 1A - CONSTRUCT MSE WALLS & BRIDGE EMBANKMENT**

Note: After Stage 1A embankment is constructed, a minimum wait period of 50 days shall occur before proceeding to Stage 1B.



**STAGE 1B - CONSTRUCT REMAINDER OF BRIDGE AFTER 50 DAY WAITING PERIOD**

Note: The waiting period is defined from the completion of Stage 1A to the start of Stage 1B construction.

STATION 109+06.70  
BUILT 2011 BY  
STATE OF ILLINOIS  
F.A.P. RT. 347  
SEC. 98-00-338-00-GS  
LOADING HL-93  
STRUCTURE NO. 045-0079

**NAME PLATE**  
See Std. 515001-01

**PILE INSTALLATION NOTES:**

- Prior to installing MSE walls, precure 2'-0" min. diameter holes 20 feet deep in native soil.
- Drive piles thru pre-cored holes.
- Fill pre-cored holes with loose sand.
- Coat piles with tar.

**INDEX OF SHEETS**

- General Plan and Elevation
- General Notes and Bill of Material
- Substructure Layout
- Staged Construction - Geotextile Wall
- Top of Slab Elevations
- Top of North Approach Slab Elevations - 1
- Top of North Approach Slab Elevations - 2
- Top of South Approach Slab Elevations - 1
- Top of South Approach Slab Elevations - 2
- Westbound Deck Plan and Cross Section
- Westbound Parapet - Plan and Elevation
- Westbound Superstructure Details
- Eastbound Deck Plan and Cross Section
- Eastbound Parapet - Plan and Elevation
- Eastbound Superstructure Details
- North Approach Slab - 1
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- Bridge North Approach Slab Details
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- Bridge Rail Details
- Bridge Fence Railing, Deck Mounted
- Chain Link Fence Details, Notes, Bill of Material
- Preformed Joint Strip Seal
- Preformed Joint Strip Seal Details
- Modular Expansion Joint Details
- Modular Expansion Joint Details
- Drainage Scuppers
- Drainage Details
- Framing Plan
- Girder Details
- Framing Details
- Framing, Girder and Moment Details
- Traffic Pole Support Details
- Type I Elastomeric Bearing Detail
- Type II Elastomeric Bearing Detail
- Low Profile Fixed Bearings
- MSE Wall at North Abutment
- MSE Wall at South Abutment
- North & South Abutments - MSE Wall Details
- North Abutment
- South Abutment
- Curb Ramp for Sidewalk
- Pile Details
- Bar Splicer Assembly Details
- Soil Boring Logs

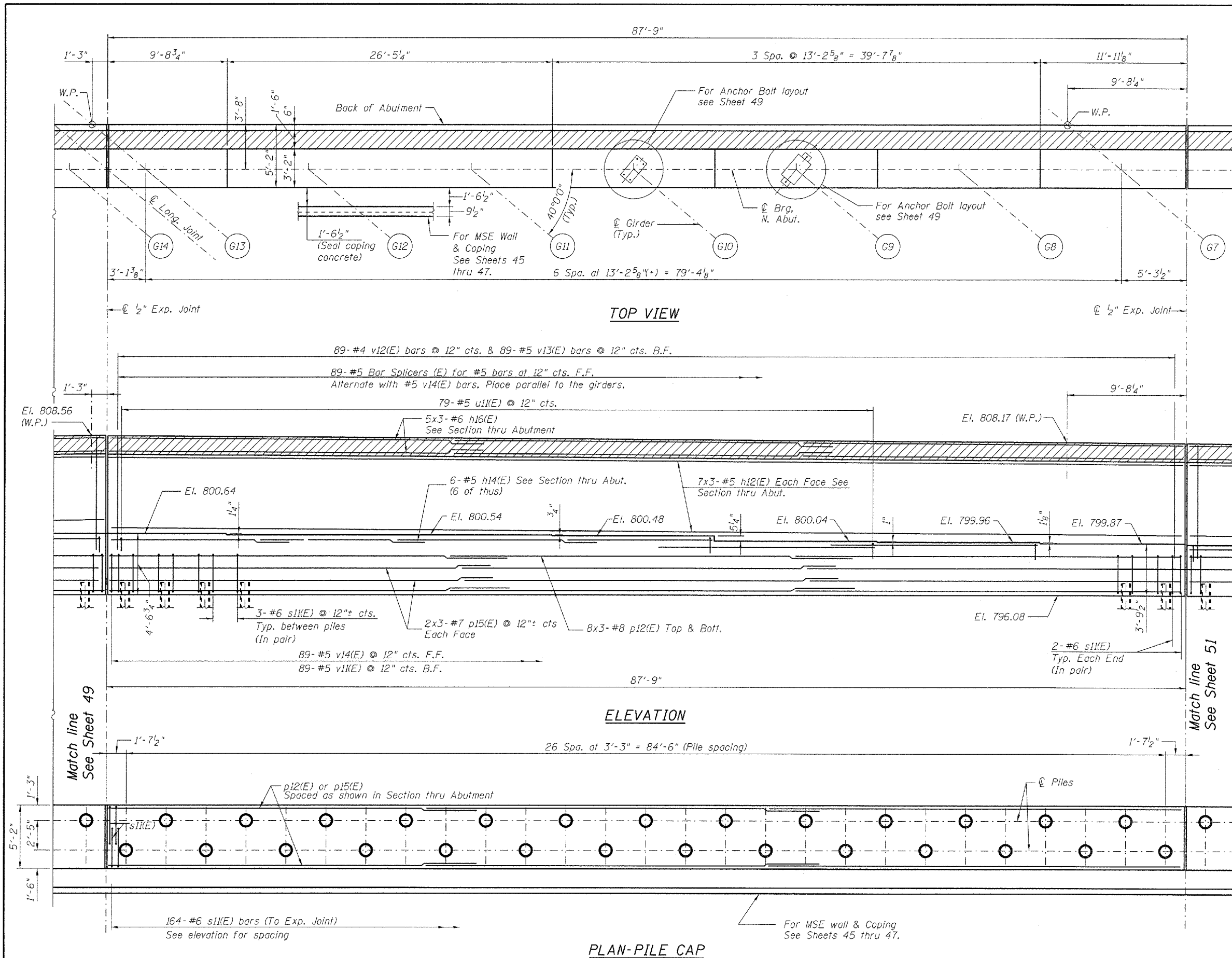
McDonough Associates Inc.  
Engineers / Architects  
130 East Randolph Street Chicago, Illinois 60601

FILE NAME = B450079-60122-002-Notes.dgn	USER NAME = jehrhart	DESIGNED - KJH	REVISED - 4/9/2012 J.C.E.
		CHECKED - PMH	REVISED -
		DRAWN - AMV	REVISED -
		CHECKED - PMH	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

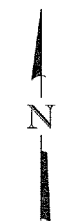
GENERAL NOTES & BILL OF MATERIAL  
STRUCTURE NO. 045-0079  
SHEET NO. 2 OF 67 SHEETS

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 168
CONTRACT NO. 60122				ILLINOIS FED. AID PROJECT



**MINIMUM BAR LAP**  
(Abutment)

Other Bars	Top Bars
#5 bars = 3'-3"	#5 bars = 3'-8"
	#6 bars = 4'-5"
	#7 bars = 4'-8"
	#8 bars = 7'-8"



**PILE DATA**

Type:	Metal Shell
Nominal Required Bearing:	14 in dia. X 0.250 in. Walls 304 kips
Factored Resistance Available:	167 kips
Est. Length:	86 ft.
No. Production Piles:	102
No. Test Piles:	3
Piles shall be driven through 24" diameter precored holes extending to an elevation 20 ft. below existing ground surface according to Article 512.09(c) of the Standard Specifications. Cost included in Driving Piles.	

Splices may be required due to the length of the proposed piles. These planned splices are not paid for separately but are included in the cost of Driving Piles. Any unplanned splice or splice required when lengths exceed those listed in the plans by more than 10 feet shall be paid for according to Article 109.04 of the Standard Specifications.

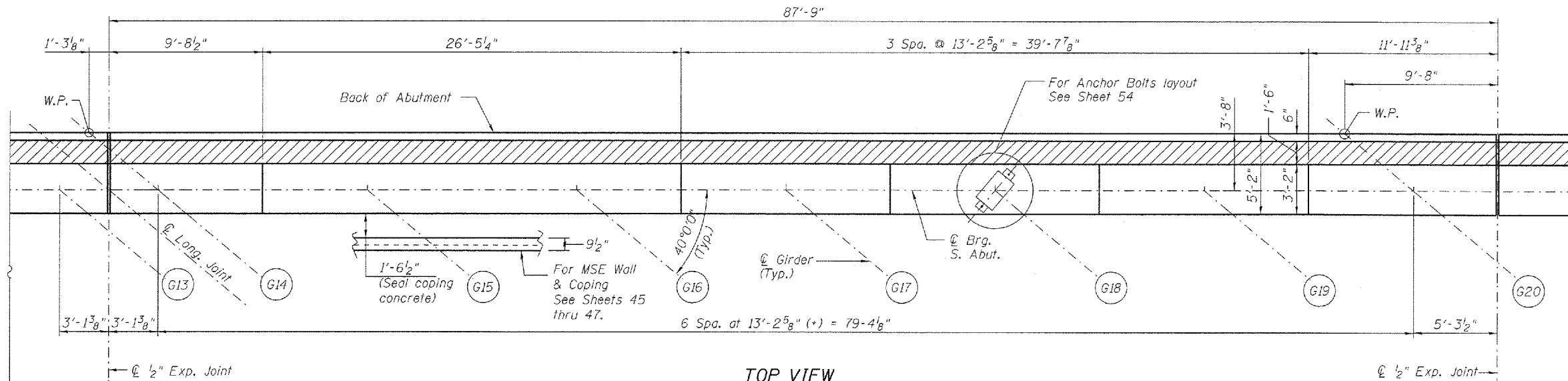
Notes:  
 Work this sheet with Sheets 48, 49, 51, & 52.  
 For Section thru Abutment see Sheet 52.

FILE NAME = 0450079-60122-050-Abut_N3.dgn	USER NAME = jehrhart	DESIGNED - MJL	REVISED - 7/12/2012 J.C.E.
		CHECKED - PMH	REVISED -
		DRAWN - RJ	REVISED -
		CHECKED - PMH	REVISED -

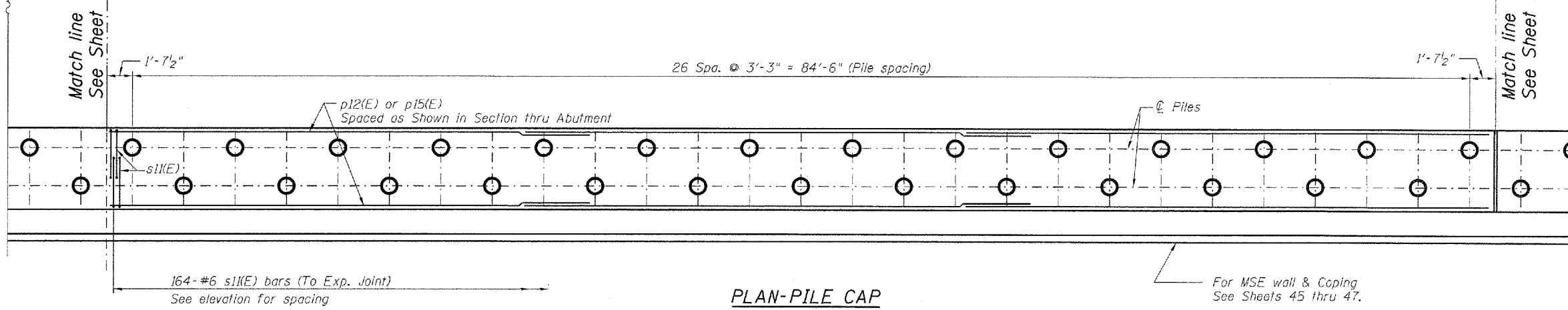
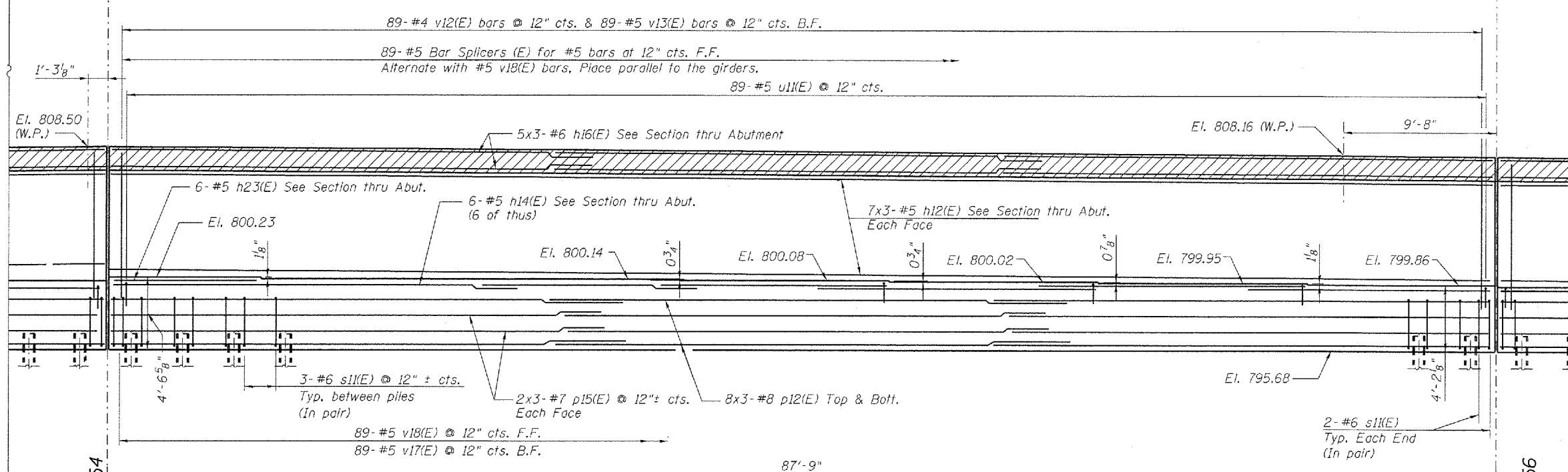
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT - 3**  
**STRUCTURE NO. 045-0079**  
 SHEET NO. 50 OF 67 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	216
CONTRACT NO. 60122				
ILLINOIS FED. AID PROJECT				



**TOP VIEW**



**PLAN-PILE CAP**

**MINIMUM BAR LAP**  
(Abutment)

Other Bars	Top Bars
#5 bars = 3'-3"	#5 bars = 3'-8"
	#6 bars = 4'-5"
	#7 bars = 4'-8"
	#8 bars = 7'-8"

**PILE DATA**

Type:	Metal Shell
Nominal Required Bearing:	14 in. dia. X 0.250 in. Walls
Factored Resistance Available:	304 kips
Est. Length:	167 kips
No. Production Piles:	87 ft.
No. Test Piles:	102
	3

Pile shall be driven through 24" diameter precast holes extending to an elevation 20 ft. below existing ground surface according to Article 512.09(c) of the Standard Specifications. Cost included with driving piles.

Splices may be required due to the length of the proposed piles. These planned splices are not paid for separately but are included in the cost of Driving Piles. Any unplanned splice or splice required when lengths exceed those listed in the plans by more than 10 feet shall be paid for according to Article 109.04 of the Standard Specifications.

Notes:  
Work this sheet with Sheets 53, 54, 56 and 57.  
For Section thru Abutment see Sheet 57.

McDonough Associates Inc.  
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 130 East Randolph Street, Chicago, Illinois 60601

FILE NAME = 0450079-60122-955-Abut.53.dgn	USER NAME = jehhart	DESIGNED - MJL	REVISION 7/12/2012 J.C.E.	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SOUTH ABUTMENT - 3</b> <b>STRUCTURE NO. 045-0079</b> SHEET NO. 55 OF 67 SHEETS	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 221
PLOT SCALE = 1/4"	DRAWN - RJ	CHECKED - PMH	REVISION -			CONTRACT NO. 60122				
PLOT DATE = 07/12/12	CHECKED - PMH	REVISION -	ILLINOIS FED. AID PROJECT							