

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED)
- 1A. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND MCHENRY COUNTY.
- 2A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. ANY PAVEMENT MARKINGS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
5. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
8. 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 JOB SITE, 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.
9. 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.
10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
11. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
12. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
13. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
14. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL. 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
16. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION:
18. SILT FENCE SHOULD ONLY BE USED AS "PEB" IN AREAS WHERE THE WORK AREA IS HIGHER THAN THE PERIMETER. THE USE OF SILT FENCE AT THE TOP OF THE SLOPE/ELEVATIONS HIGHER THAN THE WORK AREA SHOULD ALWAYS BE AVOIDED. TEMPORARY FENCE SHOULD BE UTILIZED IN THESE LOCATIONS (WHERE THE TOP OF SLOPE/ELEVATION IS HIGHER THAN THE WORK AREA) IN PLACE OF SILT FENCE.
20. DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W., UNLESS OTHERWISE NOTED.
21. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
22. SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE TRAVEL LANES FOR THE TACK COAT APPLICATION AND EACH RESURFACING LIFT.
23. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
24. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OF UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
25. STATIONING FOR ALL DRAINAGE STRUCTURES ARE 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 & GUTTER.
26. ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES.
27. 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.G. 1 AND 2 OF THE SWPP. 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 AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
28. IN THE CASE OF A WINTER SHUTDOWN, CONTRACTOR SHALL UTILIZE THERMOPLASTIC AND POLYUREA PAVEMENT MARKINGS IN LIEU OF PAVEMENT MARKING TAPE AS SHOWN ON THE SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL PLAN SHEETS.
29. 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. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR.
30. TRENCH BACKFILL SHALL BE USED TO BACKFILL ALL TRENCHES WHERE THE EDGE OF THE TRENCH IS WITHIN 2 FEET OF THE PROPOSED EDGE OF PAVEMENT, CURB, CURB AND GUTTER OR SIDEWALK (BIKE PATH).
31. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE MADE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
32. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
33. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
34. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT EMAIL: WALTER.CZARNY@ILLINOIS.GOV. A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
35. 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.
36. 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.
37. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" INCLUDED IN THE PLANS.
38. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
39. DE-ENERGIZING COMED'S DISTRIBUTION LINES (12 KV) MAY BE NECESSARY IN ORDER TO ACCOMMODATE THE CONTRACTOR'S EQUIPMENT. CALL 1-800-EDISON1.
40. MAINTENANCE OF TRAFFIC WIDTH RESTRICTION REQUIREMENT - THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, IN WRITING, WHEN THE CONTRACTOR RECEIVES AN AWARD LETTER FOR THE CONTRACT. THE LETTER SHALL STATE THE ANTICIPATED START DATE OF LANE WIDTH RESTRICTIONS. THE TWENTY-ONE (21) DAY NOTICE WILL START FROM THE AWARD DATE. NO WIDTH RESTRICTIONS WILL BE ALLOWED UNTIL TWENTY-ONE (21) DAYS AFTER RECEIVING NOTICE FROM THE CONTRACTOR. THE CONTRACTOR MAY ELECT TO PROVIDE THE ANTICIPATED START DATE OF LANE WIDTH RESTRICTIONS AT PRECONSTRUCTION MEETING AS LONG AS THERE IS A MINIMUM OF TWENTY-ONE (21) DAYS ADVANCED NOTICE.
41. IF DRAIN TILES ARE ENCOUNTERED DURING CONSTRUCTION, DRAIN TILES SHALL BE RECONNECTED / RESTORED IN KIND, OR TILE MODIFIED TO DRAIN TO THE PROPOSED DITCH. FOR ABANDONED DRAIN TILES UNDER THE EXISTING ROADWAY EMBANKMENT, DRAIN TILES SHALL BE FILLED AND PLUGGED TO SATISFACTION OF THE RESIDENT ENGINEER. WORK ASSOCIATED WITH MAINTAINING, RESTORING, OR RECONFIGURING FIELD TILES SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

COMMITMENTS:

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT IS MADE.

1. THERE IS NO TREE REMOVAL AS PART OF THIS PROJECT. NEITHER INTERSECTION IMPROVEMENT WILL INCLUDE TREE REMOVAL. SHOULD TREE REMOVAL BE IDENTIFIED IN PHASE III, PLEASE CONTACT VANESSA RUIZ, ESU AT (847) 705-4627 FOR FURTHER COORDINATION REGARDING THE NORTHERN LONG-EAR BAT (NLEB).

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	USER NAME = jpong	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 47 AT O'BRIEN /VANDERKARR ROADS GENERAL NOTES AND COMMITMENTS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -				326	104-N	MCHENRY	106	3
	PLOT DATE = 11/29/2017	CHECKED -	REVISED -				CONTRACT NO. 62C34				
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

REVISIED SHEET 1-3-18

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CONSTRUCTION TYPE CODE

HSIP FUNDS

90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
ROADWAY	ROADWAY	STRUCTURAL
0004	0004	0010
THAYER	O' BRIEN	O' BRIEN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE ROADWAY 0004 THAYER	90% FED 10% STATE ROADWAY 0004 O' BRIEN	90% FED 10% STATE STRUCTURAL 0010 O' BRIEN
20101000	TEMPORARY FENCE	FOOT	793	382	411	
20101200	TREE ROOT PRUNING	EACH	12	12		
20200100	EARTH EXCAVATION	CU YD	6610	1785	4825	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2558		2558	
20400800	FURNISHED EXCAVATION	CU YD	1512		1512	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	290			290
20800150	TRENCH BACKFILL	CU YD	72	45	27	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	3460	992	2468	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3270	860	2410	
25000210	SEEDING, CLASS 2A	ACRE	2.8	1.0	1.8	
25000310	SEEDING, CLASS 4	ACRE	1.3		1.3	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	349	80	269	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	349	80	269	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	349	80	269	

* = SPECIALTY ITEMS

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN/VANDERKARR ROADS SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	McHENRY	106	4
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

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CONSTRUCTION TYPE CODE		
HSIP FUNDS		
90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
ROADWAY	ROADWAY	STRUCTURAL
0004	0004	0010
THAYER	O' BRIEN	O' BRIEN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE ROADWAY 0004 THAYER	90% FED 10% STATE ROADWAY 0004 O' BRIEN	90% FED 10% STATE STRUCTURAL 0010 O' BRIEN
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	0	1	
54260615	SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 15", 1:4	EACH	2	2		
54260618	SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 18", 1:4	EACH	10	10		
		FOOT				
542D0220	PIPE CULVERTS, CLASS D, TYPE 1, 15"	FOOT	40	40		
542D0223	PIPE CULVERTS, CLASS D, TYPE 1, 18"	FOOT	242	242		
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	55		55	
550A0090	STORM SEWERS, CLASS A, TYPE 1, 18"	FOOT	133		133	
55100500	STORM SEWER REMOVAL 12"	FOOT	62		62	
60208105	CATCH BASINS, TYPE C, TYPE 12 FRAME AND GRATE	EACH	1		1	
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1		1	
60500060	REMOVING INLETS	EACH	1		1	
60600605	CONCRETE CURB, TYPE B	FOOT	59		59	

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 CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN/VANDERKARR ROADS
SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	McHENRY	106	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C34	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				HSIP FUNDS		
				90% FED 10% STATE	90% FED 10% STATE	90% FED 10% STATE
				ROADWAY 0004 THAYER	ROADWAY 0004 O' BRIEN	STRUCTURAL 0010 O' BRIEN
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	30		30	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	52		52	
60610900	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	61		61	
60625600	ISLAND PAVEMENT (6")	SO YD	63		63	
63200310	GUARDRAIL REMOVAL	FOOT	692		692	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1205	1030	175	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.85	0.15	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	2	1	
67100100	MOBILIZATION	LSUM	1	0.5	0.5	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6344	4224	2120	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1018	310	708	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	145.6		145.6	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18226		18226	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	780		780	

* = SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN/VANDERKARR ROADS
SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	McHENRY	106	9
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				HSIP FUNDS		
				90% FED 10% STATE ROADWAY	90% FED 10% STATE ROADWAY	90% FED 10% STATE STRUCTURAL
				0004 THAYER	0004 O'BRIEN	0010 O'BRIEN
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	1230	618	612	
X7830050	RAISED REFLECTIVE PAVEMENT MARKERS, REFLECTOR REMOVAL	EACH	18	6	12	
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	124	62	62	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.5	0.5	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	308.6	103	205.6	
Z0054400	ROCK FILL	CU YD	130			130
Z0062456	TEMPORARY PAVEMENT	SO YD	2535		2535	
∅ Z0076600	TRAINEES	HOUR	500	500		
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500		
∅ X1200182	PIPE CULVERT, CLASS D, TYPE 1, 18" PIPE WITH 15" RISER	EACH	2	2		

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN/VANDERKARR ROADS
SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 104-N	COUNTY McHENRY	TOTAL SHEETS 106	SHEET NO. 12A
CONTRACT NO. 62C34				ILLINOIS FED. AID PROJECT

REV 1-3-18

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		70300100	70300150	70300210	70300220		70300240		70300250	70300260	70300280	78000100	78000200		78000400		78000500			
		SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)	TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)	TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)	TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE SKIP-DASH)	TEMPORARY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LINE 12" (YELLOW)	TEMPORARY PAVEMENT MARKING - LINE 12" (WHITE)	TEMPORARY PAVEMENT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP-DASH)	THERMOPLASTIC PAVEMENT MARKING - LINE 8"		
STATION	STATION	FOOT	FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT		
IL 47																				
		350	128	43			2800								1400					
492+45	TO 495+95	180	82	28			1440		90						720		45			
495+95	TO 497+75	150	287	95	72.8		600	300					36.4		300	150				
497+75	TO 499+25	710						1420							710					
492+45	TO 499+55	638						1276							638					
492+45	TO 498+83	150	287	95	72.8		600	300	90				36.4		300	150				
500+70	TO 502+20	180	82	28			1440								720		45			
502+20	TO 504+00	350	128	43			2800								1400					
504+00	TO 507+50	576						1152							576					
501+74	TO 507+50	700						1400							700					
500+50	TO 507+50																			
O' BRIEN		193	36	12			772								386					
197+40	TO 199+33	190						380							190					
197+40	TO 498+83	285						570							285					
197+40	TO 500+50								445		293.6	60						223		
ISLAND																				
VANDERKARR		164	30	10			656								328					
200+61	TO 202+25	252						504							252					
499+55	TO 202+25	208						416							208					
501+74	TO 202+25								350		251.4	60						175		
ISLAND																				
TOTAL		4367	2120	708	145.6		7118	11108	600	180	795	195	545	120	72.8	3559	5554	300	90	398

		78000600		78000650	X0327980	78100100	78200020	78300200	
		THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PAVEMENT MARKING REMOVAL - WATER BLASTING	RAISED REFLECTIVE PAVEMENT MARKER	CURB REFLECTOR	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
STATION	STATION	FOOT	FOOT	FOOT	SO FT	EACH	EACH	EACH	
IL 47									
		350	29		491	18		9	
492+45	TO 495+95	180	26		287	15		5	
495+95	TO 497+75	150			211	12		4	
497+75	TO 499+25	710			235				
492+45	TO 499+55	638			211				
492+45	TO 498+83	150			211	12		4	
500+70	TO 502+20	180	20		281	15		5	
502+20	TO 504+00	350	23		485	18		9	
504+00	TO 507+50	576			191				
501+74	TO 507+50	700			231				
500+50	TO 507+50								
O' BRIEN		193			128	10			
197+40	TO 199+33	190			63				
197+40	TO 498+83	285			95				
197+40	TO 500+50			147	30	357			
ISLAND							15		
VANDERKARR		164			109	10			
200+61	TO 202+25	252			84				
499+55	TO 202+25	208			69				
501+74	TO 202+25			126	30	304			
ISLAND							8		
TOTAL		4367	98	273	60	4043	110	23	36

SUMMARY OF EARTHWORK							
LOCATION	CONSTRUCTION STAGE	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (+) or SHORTAGE (-)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	FURNISHED EXCAVATION (CU YD)
IL RTE. 47	STAGE 1	36.0	30.0	27.0	4.0	223.0	0.0
	STAGE 2	207.0	176.0	1577.0	1401.0	955.0	1401.0
	FINAL	3187.0	2709.0	1397.0	1312.0	720.0	0.0
O' BRIEN ROAD	FINAL	886.0	753.0	27.0	726.0	418.0	0.0
VANDERKARR ROAD	FINAL	333.0	283.0	97.0	186.0	166.0	0.0
WILKE ROAD	FINAL	176.0	149.0	260.0	106.0	76.0	111.0
		4825.0	4100.0	3385.0	3735.0	2558.0	1512.0

TEMPORARY FENCE			
STATION	STATION	OFFSET (LT/RT)	TEMPORARY FENCE (FOOT)
201+45	202+00	LT	68.5
202+00	202+25	LT	40.0
501+50	504+52.00	RT	302.0
TOTAL			411.0

IMPACT ATTENUATORS SCHEDULE			
LOCATION STATION	OFFSET (LT/RT)	IMPACT ATTENUATORS RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	IMPACT ATTENUATORS TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)
STAGE I			
491+00.00	RT		1
508+00.00	RT		1
STAGE II			
492+37.50	RT	1	
506+55.00	LT		1
507+37.00	RT	1	
198+67.00	LT		1
TOTAL		2	4

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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = dwoznorski	DESIGNED - JKP	REVISED - 01/02/2018 DMW
DRAWN - JKP	CHECKED - SRK	REVISED -
PLOT SCALE = 40,0000' / in.	DATE - 2017/12/5	REVISED -
PLOT DATE = 1/2/2018		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN /VANDERKARR ROADS
SCHEDULE OF QUANTITIES

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

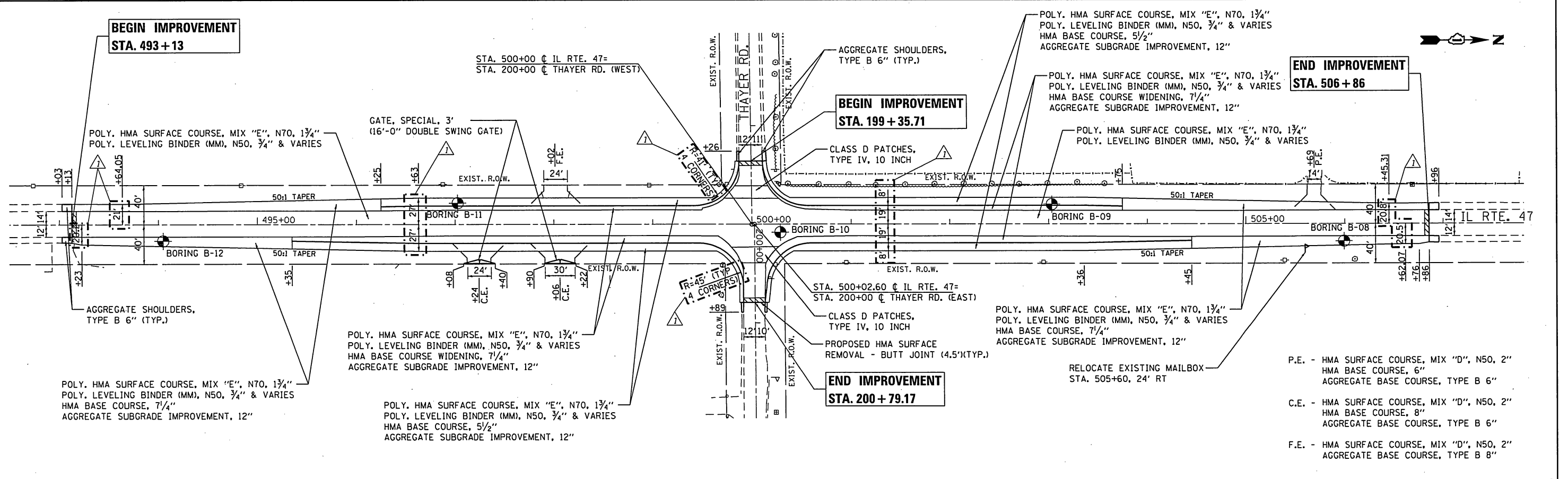
F.A.P. RTE. 326	SECTION 104-N	COUNTY MCHENRY	TOTAL SHEETS 106	SHEET NO. 24
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

REV 1-3-18

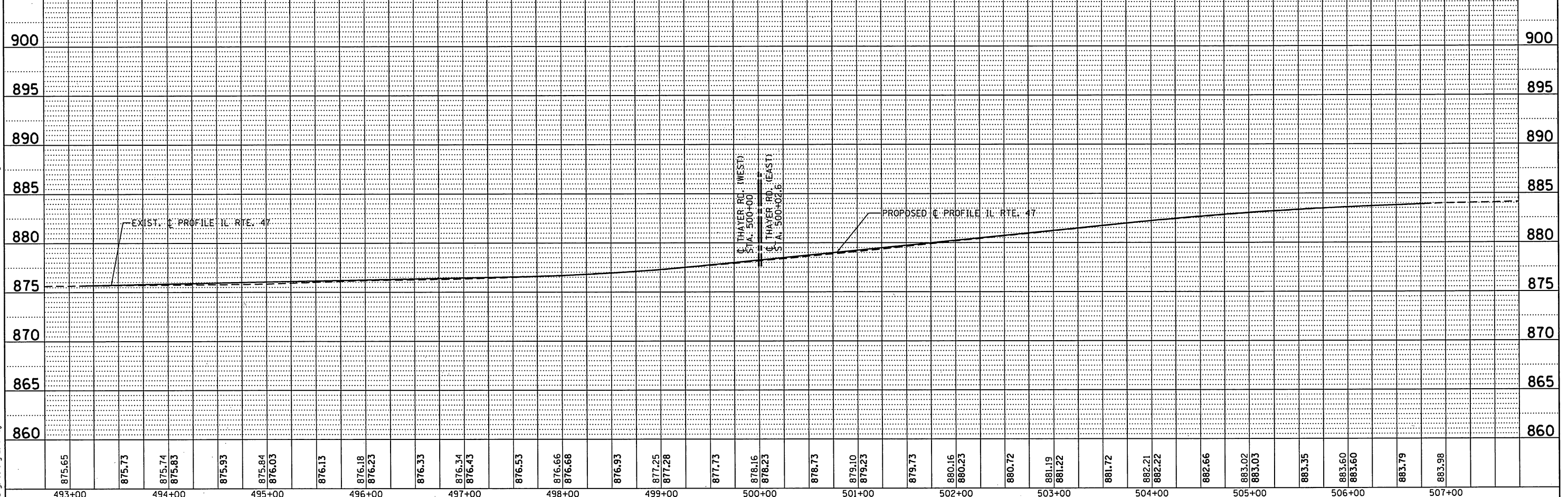
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BY	
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DATE	
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CHECKED	
ALIGNED	
PROFILE	
NO.	
NO.	
NO.	
NO.	

FILE NAME = D:\Engineering\Live\Projects\12034\DOT DTP Chestnut\CAADD\CADD Sheets\Civil\062C34-Sht-PP.dgn



- P.E. - HMA SURFACE COURSE, MIX "D", N50, 2"
 HMA BASE COURSE, 6"
 AGGREGATE BASE COURSE, TYPE B 6"
- C.E. - HMA SURFACE COURSE, MIX "D", N50, 2"
 HMA BASE COURSE, 8"
 AGGREGATE BASE COURSE, TYPE B 6"
- F.E. - HMA SURFACE COURSE, MIX "D", N50, 2"
 AGGREGATE BASE COURSE, TYPE B 8"



USER NAME = TMiller	DESIGNED - JMT	REVISED - 12/15/2017 TGM
PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 12/28/2017	CHECKED - JMT	REVISED -
	DATE - 10/13/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

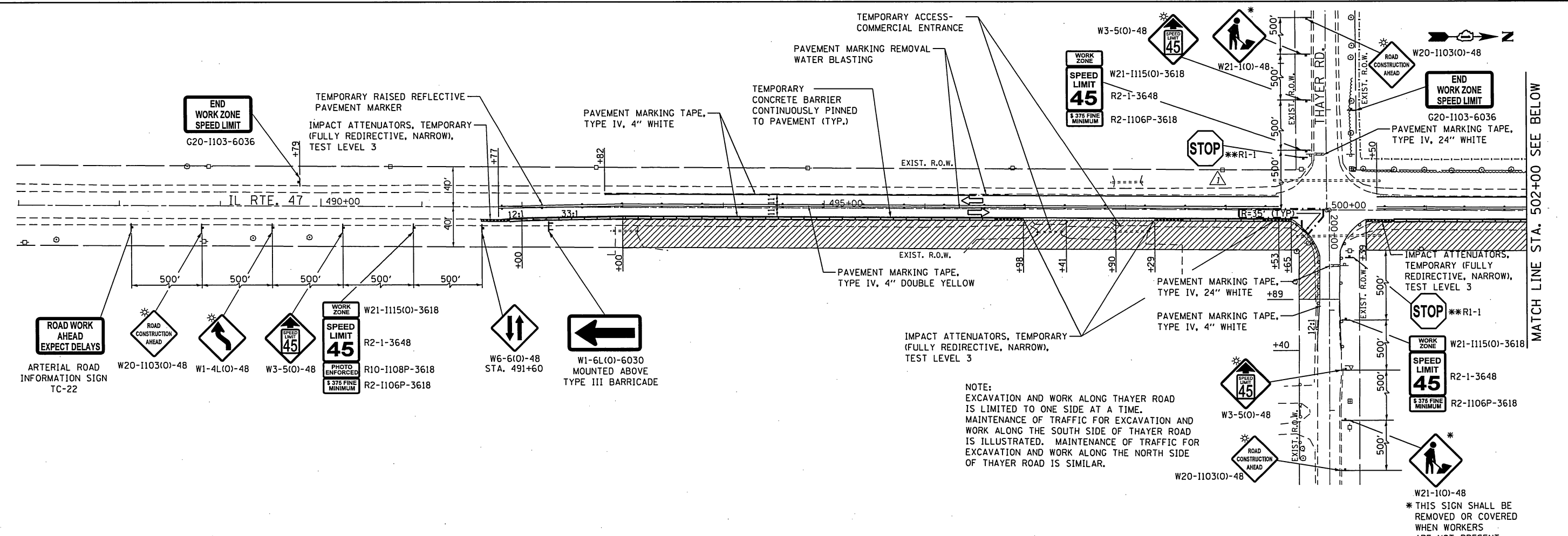
**ILLINOIS ROUTE 47 AT THAYER ROAD
 PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	McHENRY	106	33
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

REVISOR SHEET 1-3-18

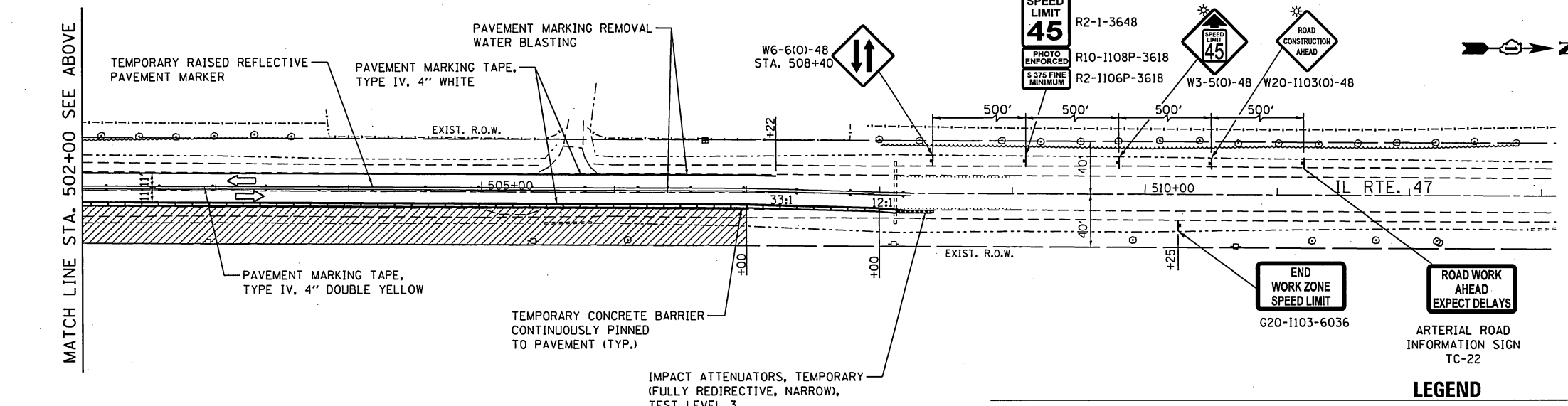
FILE NAME = D:\Engineering\Live\Projects\13034 IDOT DOR Chest\400 NCAD00\13034-Sht-MOT Stage 1.dgn



NOTE:
EXCAVATION AND WORK ALONG THAYER ROAD IS LIMITED TO ONE SIDE AT A TIME. MAINTENANCE OF TRAFFIC FOR EXCAVATION AND WORK ALONG THE SOUTH SIDE OF THAYER ROAD IS ILLUSTRATED. MAINTENANCE OF TRAFFIC FOR EXCAVATION AND WORK ALONG THE NORTH SIDE OF THAYER ROAD IS SIMILAR.

* THIS SIGN SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT

**EXISTING STOP SIGN TO BE MAINTAINED



LEGEND

- DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
- TYPE III BARRICADE WITH 2 MONO-DIRECTIONAL TYPE A FLASHERS
- SIGN
- TEMPORARY CONCRETE BARRIER WITH TYPE C MARKERS (IDOT STD. 782006)
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE



USER NAME = TMiller	DESIGNED - SAT	REVISED - 12/15/2017 TGM
DRAWN - SAT	CHECKED - TGM	REVISOR -
PLOT SCALE = 100.0000' / in.	DATE - 10/13/2017	REVISOR -
PLOT DATE = 12/28/2017		

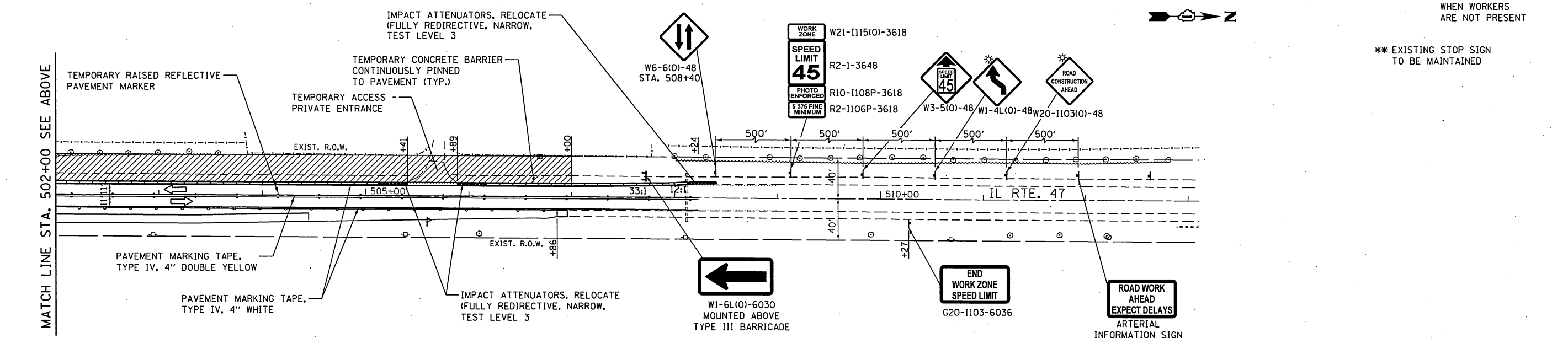
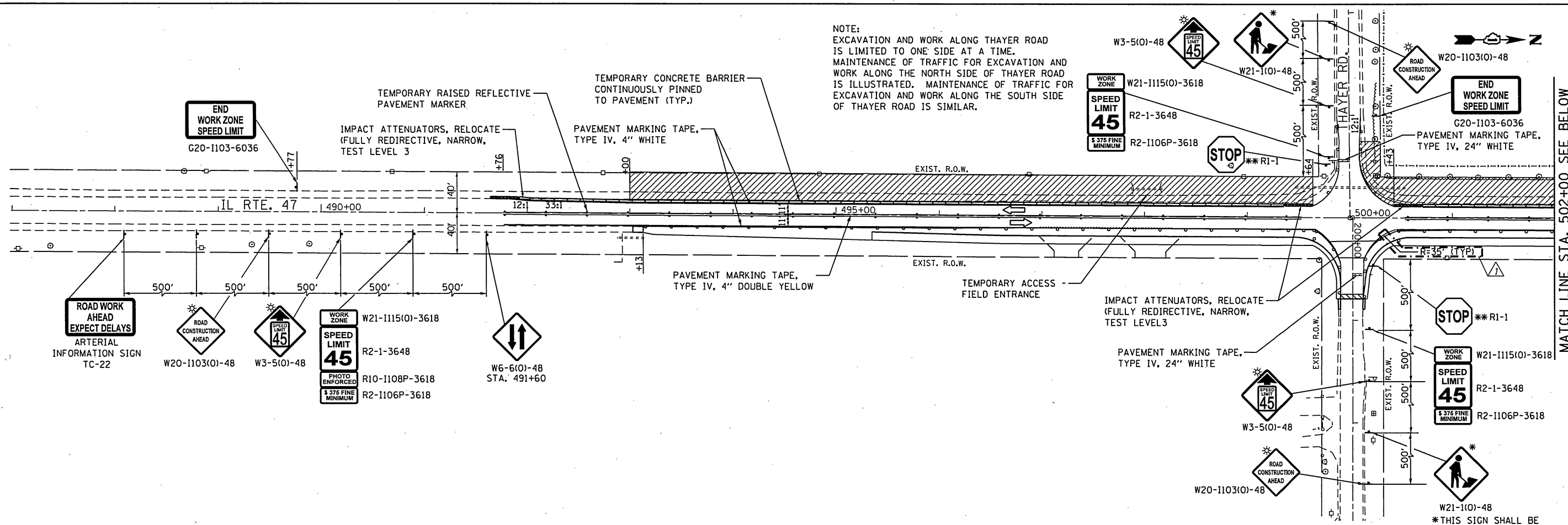
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 47 AT THAYER ROAD MAINTENANCE OF TRAFFIC - STAGE I	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 104-N	COUNTY McHENRY	TOTAL SHEETS 106	SHEET NO. 39
CONTRACT NO. 62C34			ILLINOIS FED. AID PROJECT	

REVISOR SHEET 1-3-18

NOTE:
 EXCAVATION AND WORK ALONG THAYER ROAD IS LIMITED TO ONE SIDE AT A TIME. MAINTENANCE OF TRAFFIC FOR EXCAVATION AND WORK ALONG THE NORTH SIDE OF THAYER ROAD IS ILLUSTRATED. MAINTENANCE OF TRAFFIC FOR EXCAVATION AND WORK ALONG THE SOUTH SIDE OF THAYER ROAD IS SIMILAR.



LEGEND

- DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
- TYPE III BARRICADE WITH 2 MONO-DIRECTIONAL TYPE A FLASHERS
- SIGN
- RELOCATE TEMPORARY CONCRETE BARRIER WITH TYPE C MARKERS (IDOT STD. 782006)
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE

FILE NAME = D:\Engineering\LevelProjects\19824 IDOT DRR Chest\W01\NCADD\CD00 Sheets\Civil\0162C34-Sht-001 Stage II.dgn



USER NAME = TMiller	DESIGNED - SAT	REVISED - 12/15/2017 TGM
DRAWN - SAT	REVISIONS	
CHECKED - TGM	REVISIONS	
DATE - 10/13/2017	REVISIONS	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47 AT THAYER ROAD
 MAINTENANCE OF TRAFFIC - STAGE II**

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

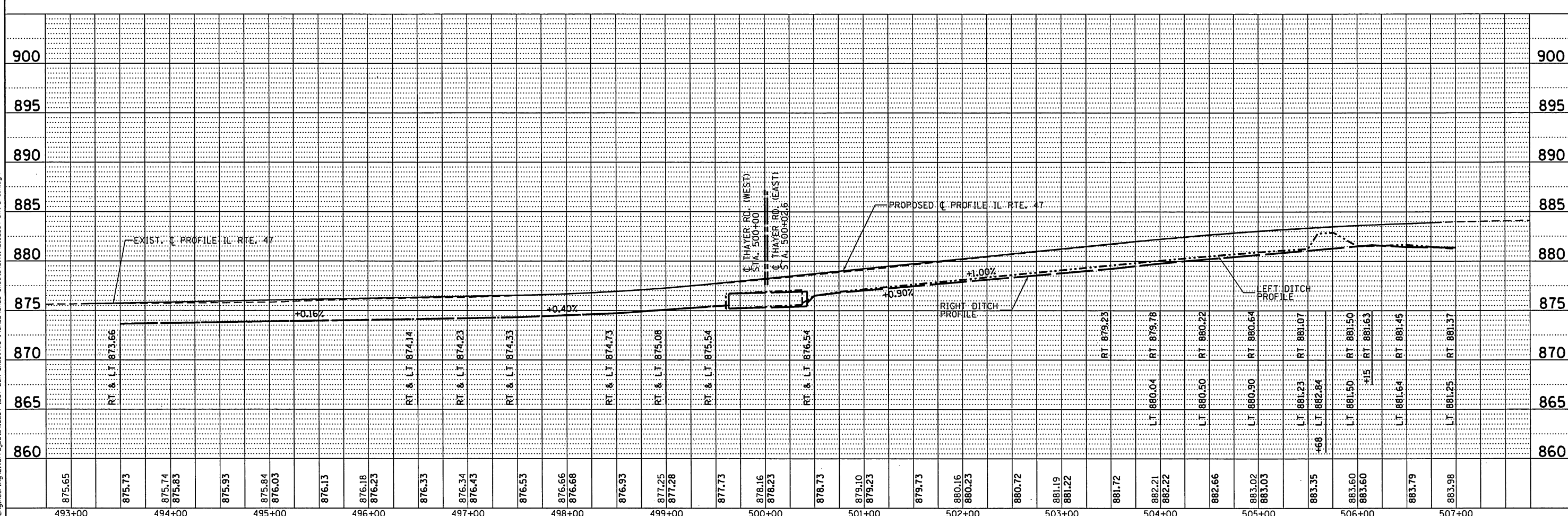
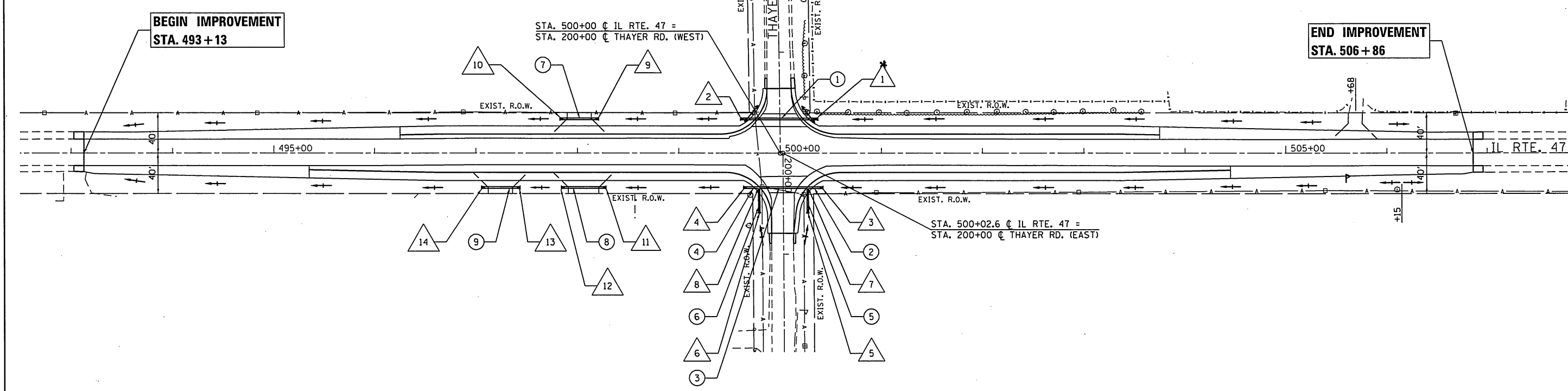
F.A.P. RTE. 326	SECTION 104-N	COUNTY McHENRY	TOTAL SHEETS 106	SHEET NO. 40
CONTRACT NO. 62C34				ILLINOIS FED. AID PROJECT

REVISOR SHEET 1-3-18

PLAN	DATE
SURVEYED	BY
CHECKED	
RT. OF WAY CHECKED	
NO. NOTE BOOK	
NO. FILE NAME	

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

FILE NAME = D:\Engineering\Live\Projects\19034\DOT DMR ChestVMD\ICADD\0000 Sheets\Civil\19034-Str-Drain.dgn



875.65	875.73	875.74	875.83	875.93	875.84	876.03	876.13	876.18	876.23	876.33	876.34	876.43	876.53	876.66	876.68	876.93	877.25	877.28	877.73	878.16	878.23	878.73	879.10	879.23	879.73	880.16	880.23	880.72	881.19	881.22	881.72	882.21	882.22	882.66	883.02	883.03	883.35	883.60	883.60	883.79	883.98
493+00	494+00	495+00	496+00	497+00	498+00	499+00	500+00	501+00	502+00	503+00	504+00	505+00	506+00	507+00																											

Accurate GROUP, INC. USER NAME = TMiller DESIGNED - TGM DRAWN - JN CHECKED - JMT DATE - 10/13/2017

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT THAYER ROAD DRAINAGE PLAN AND PROFILE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326 SECTION 104-N COUNTY McHENRY TOTAL SHEETS 106 SHEET NO. 52 CONTRACT NO. 62C34

ILLINOIS FED. AID PROJECT

REVISION 1-3-18

DRAINAGE STRUCTURE SCHEDULE				
STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	INVERT EL.
1	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	500+37.80	34.00' LT	875.58
2	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	499+60.50	34.00' LT	875.19
3	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	500+42.80	34.00' RT	875.44
4	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	499+63.40	34.00' RT	875.21
5	SLOPED METAL END SECTION W/GRATE, STD 542411, 15" DIA, 1:4 SLOPE	200+59.50	24.30' LT	876.50
6	SLOPED METAL END SECTION W/GRATE, STD 542411, 15" DIA, 1:4 SLOPE	200+59.40	23.60' RT	876.50
7	PIPE CULVERT, CLASS D, TYPE 1, 18" PIPE WITH 15" RISER	500+27.10	34.00' RT	875.40
8	PIPE CULVERT, CLASS D, TYPE 1, 18" PIPE WITH 15" RISER	499+79.10	34.00' RT	875.25
9	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	498+21.40	34.00' LT	874.62
10	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	497+82.40	34.00' LT	874.46
11	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	498+28.60	34.00' RT	874.64
12	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	497+83.60	34.00' RT	874.46
13	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	497+43.90	34.00' RT	874.31
14	SLOPED METAL END SECTION W/GRATE, STD 542411, 18" DIA, 1:4 SLOPE	497+04.90	34.00' RT	874.23

* STATION AND OFFSET ARE SHOWN ALONG THAYER ROAD ALIGNMENT

PIPE CULVERT SCHEDULE									
PIPE NO.	FROM STR.	TO STR.	LENGTH (FT)	DIA. (IN)	PIPE TYPE	SLOPE %	TB (CY)	UPSTREAM INVERT	DOWNSTREAM INVERT
1	1	2	72	18	C-D T1	0.50	11	875.58	875.19
2	3	7	10	18	C-D T1	0.29	1	875.44	875.40
3	7	8	42	18	C-D T1	0.29	7	875.40	875.25
4	8	4	10	18	C-D T1	0.29	1	875.25	875.21
5	5	7	20	15	C-D T1	3.73	3	876.50	875.53
6	6	8	20	15	C-D T1	4.31	3	876.50	875.38
7	9	10	34	18	C-D T1	0.40	6	874.31	874.23
8	11	12	40	18	C-D T1	0.40	7	874.64	874.46
9	13	14	34	18	C-D T1	0.20	6	874.31	874.23
							45		

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USER NAME = TMiller	DESIGNED - TGM	REVISED -
DRAWN - JN	CHECKED - JMT	REVISED -
PLOT SCALE = 100.0026' / in.	DATE - 10/13/2017	REVISED -
PLOT DATE = 12/5/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT THAYER ROAD
DRAINAGE SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 104-N	COUNTY MCHENRY	TOTAL SHEETS 106	SHEET NO. 53
			CONTRACT NO. 62C34	
ILLINOIS FED. AID PROJECT				

REVISOR SHEET 1-3-18

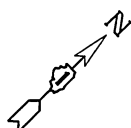
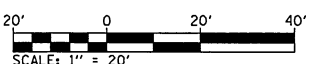
IMPROVEMENT LIMIT
STA 197+40

SW ISLAND DETAIL

NE ISLAND DETAIL

IMPROVEMENT LIMIT
STA 201+25

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 PLOT DATE = 12/5/2017
 PLOT SCALE = 40.000' / 1"



USER NAME = dwozniarski	DESIGNED -	REVISED -
PLOT DATE = 12/5/2017	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

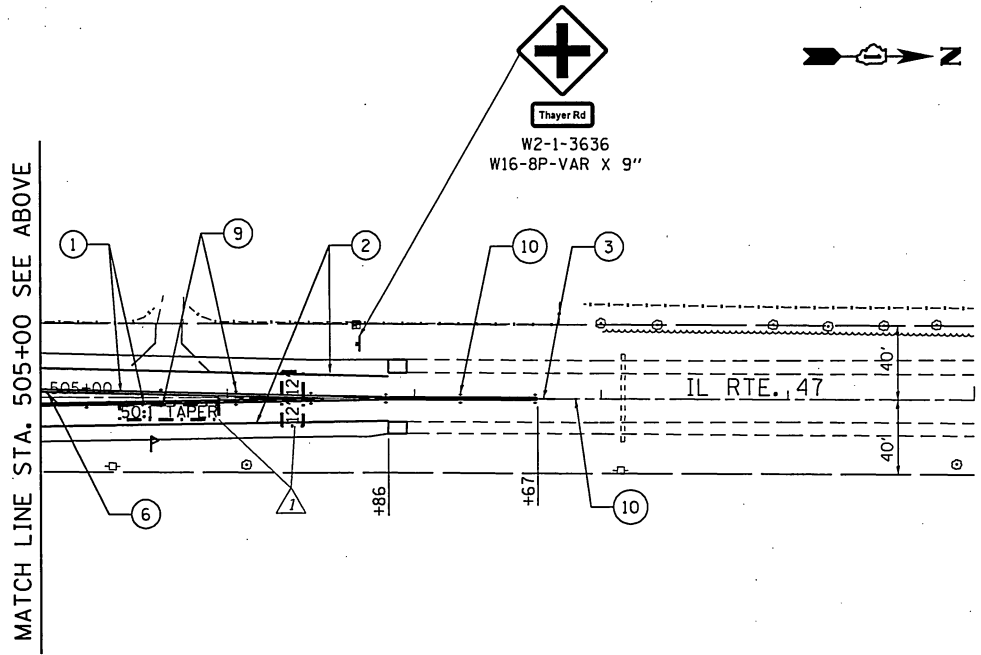
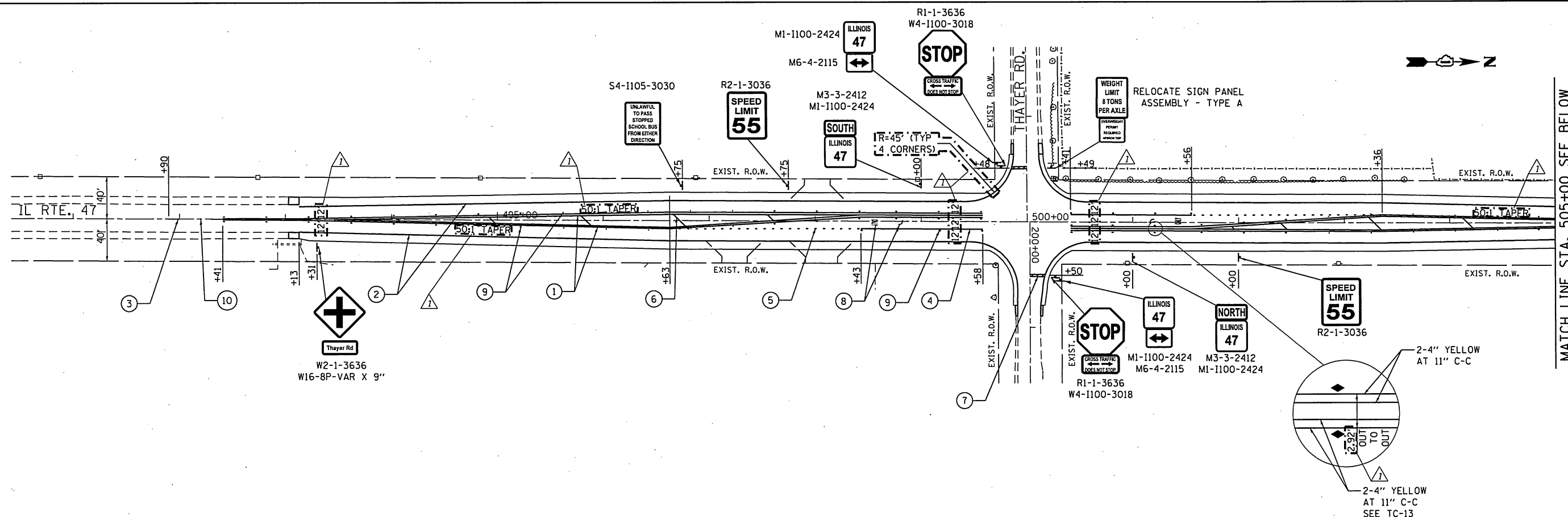
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN /VANDERKARR ROADS
INTERSECTION PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	McHENRY	106	58
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

REVISOR'S MARK: **REVISOR'S MARK** 1-3-18



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
STA. 492+41 TO STA. 499+58
STA. 500+41 TO STA. 507+67
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
STA. 493+13 TO STA. 499+64
STA. 500+41 TO STA. 506+86
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH, 10' LINE, 30' SPACE)
STA. 491+90 TO STA. 492+41
STA. 507+67 TO STA. 508+10
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
STA. 498+43 TO STA. 499+58
STA. 500+41 TO STA. 501+56
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DASH LINES, 2' LINE, 6' SPACE)
STA. 496+63 TO STA. 498+43
STA. 501+56 TO STA. 503+36
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS),
SEE DISTRICT DETAIL TC-13 FOR PROPER SPACING
STA. 493+13 TO STA. 498+43
STA. 501+56 TO STA. 506+86
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
STA. 199+48, RT
STA. 200+50, LT
- ⑧ THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS (WHITE)
STA. 498+53
STA. 501+46
- ⑨ RAISED REFLECTIVE PAVEMENT MARKER
2 WAY AMBER - STA. 492+41 TO STA. 495+12
STA. 497+45 TO STA. 499+58
STA. 500+41 TO STA. 502+53
STA. 504+87 TO STA. 507+67
1 WAY AMBER - STA. 495+12 TO STA. 497+45
STA. 502+53 TO STA. 504+87
1 WAY CRYSTAL MARKER - STA. 498+43 TO 499+58
STA. 500+41 TO 501+56
- ⑩ REPLACEMENT REFLECTOR
2 WAY AMBER - STA. 491+90 TO STA. 492+41
STA. 507+67 TO STA. 508+10

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USER NAME = TMiller	DESIGNED - PP	REVISED - 12/15/2017 TGM
PLDT SCALE = 100.0000' / 1"	DRAWN - PP	REVISED -
PLDT DATE = 12/20/2017	CHECKED - TGM	REVISED -
	DATE - 10/13/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 47 AT THAYER ROAD PAVEMENT MARKING & SIGNING			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

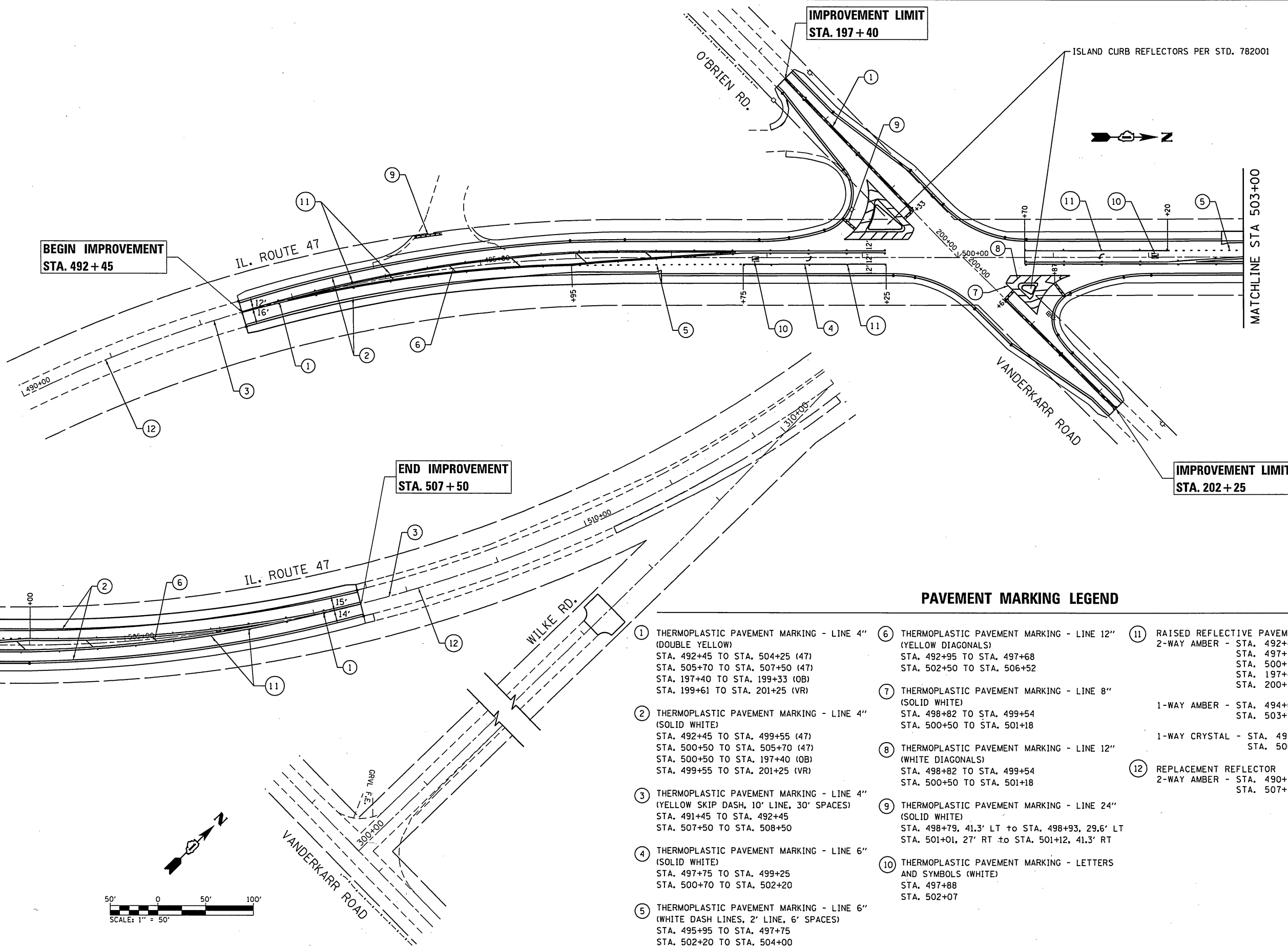
F.A.P. RTE. 326	SECTION 104-N	COUNTY McHENRY	TOTAL SHEETS 106	SHEET NO. 59
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

REV 1-3-18

#PLOTORIGL

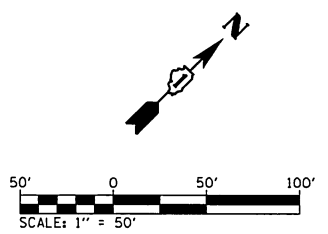
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PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
STA. 492+45 TO STA. 504+25 (47)
STA. 505+70 TO STA. 507+50 (47)
STA. 197+40 TO STA. 199+33 (OB)
STA. 199+61 TO STA. 201+25 (VR)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
STA. 492+45 TO STA. 499+55 (47)
STA. 500+50 TO STA. 505+70 (47)
STA. 500+50 TO STA. 197+40 (OB)
STA. 499+55 TO STA. 201+25 (VR)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH, 10' LINE, 30' SPACES)
STA. 491+45 TO STA. 492+45
STA. 507+50 TO STA. 508+50
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
STA. 497+75 TO STA. 499+25
STA. 500+70 TO STA. 502+20
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DASH LINES, 2' LINE, 6' SPACES)
STA. 495+95 TO STA. 497+75
STA. 502+20 TO STA. 504+00
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS)
STA. 492+95 TO STA. 497+68
STA. 502+50 TO STA. 506+52
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
STA. 498+82 TO STA. 499+54
STA. 500+50 TO STA. 501+18
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS)
STA. 498+82 TO STA. 499+54
STA. 500+50 TO STA. 501+18
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
STA. 498+79, 41.3' LT to STA. 498+93, 29.6' LT
STA. 501+01, 27' RT to STA. 501+12, 41.3' RT
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
STA. 497+88
STA. 502+07
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER
2-WAY AMBER - STA. 492+45 TO STA. 493+65
STA. 497+24 TO STA. 499+25
STA. 500+70 TO STA. 502+31
STA. 197+40 TO STA. 199+33
STA. 200+61 TO STA. 202+25
1-WAY AMBER - STA. 494+05 TO STA. 496+84
STA. 503+11 TO STA. 505+91
1-WAY CRYSTAL - STA. 498+75 TO STA. 499+25
STA. 500+70 TO STA. 502+20
- ⑫ REPLACEMENT REFLECTOR
2-WAY AMBER - STA. 490+21 TO STA. 492+45
STA. 507+50 TO STA. 508+71



CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = jpang
DESIGNED -
DRAWN -
PLOT SCALE = 100.000' / in.
CHECKED -
PLOT DATE = 11/30/2017

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT O'BRIEN /VANDERKARR ROADS
PAVEMENT MARKING PLAN
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	McHENRY	106	60
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

REVISOR'S MARK: REVISED SHEET 1-3-18

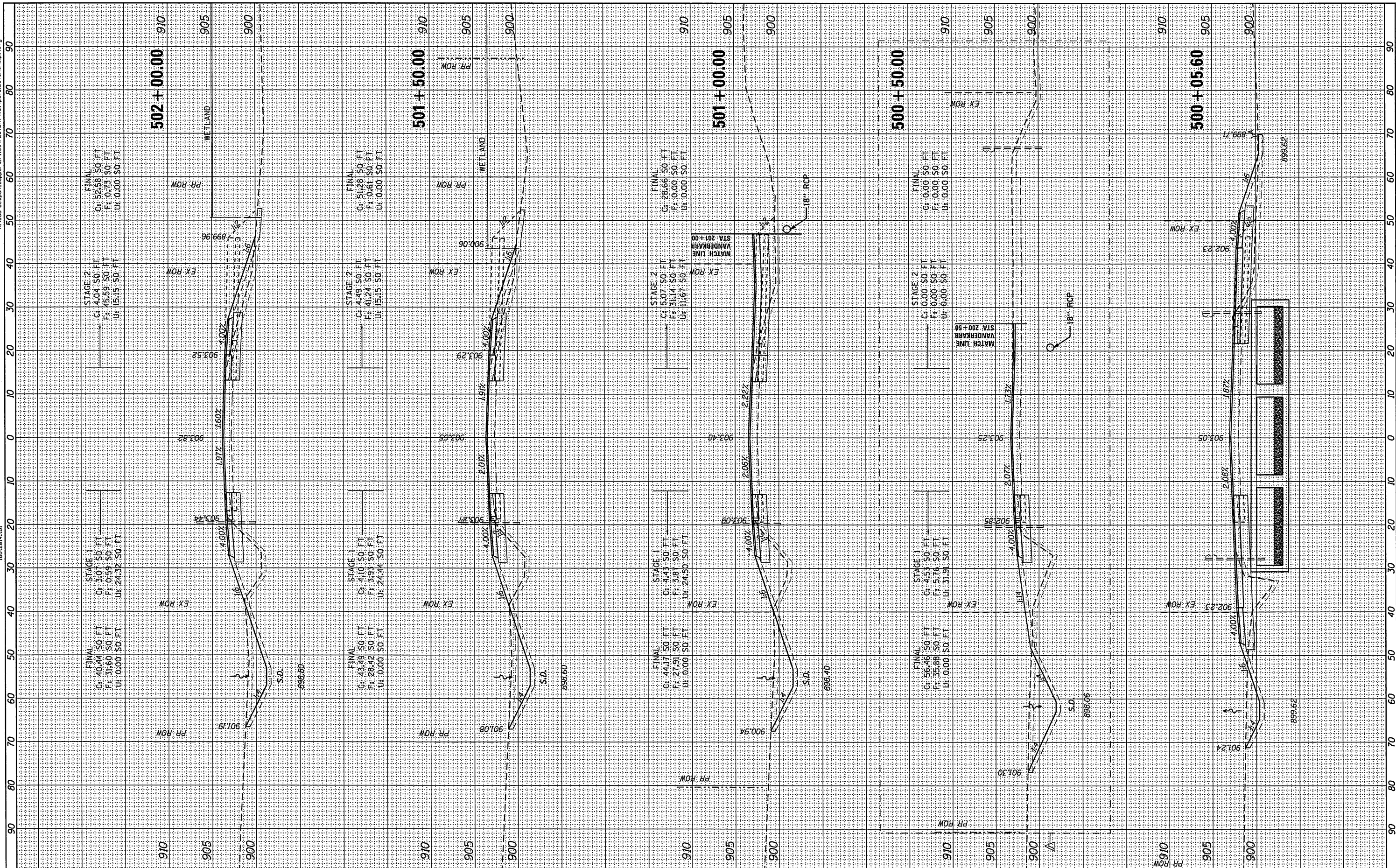
FINAL SURVEY	SURVEYED	BY	DATE
NOTED	PLOTTED		
NO.	BOOK		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTED	PLOTTED		
NO.	BOOK		
	AREAS CHECKED		

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100x2014.tbl

FILE NAME = D:\62C34\asht-1L47.dgn



CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = dozmarsk
 PLOT SCALE = 20.0000' / 1" IN.
 PLOT DATE = 1/2/2018

DESIGNED - JKP
 DRAWN - JKP
 CHECKED - SRK
 DATE - 2017/12/5

REVISED - 01/02/2018 DMW
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 47 AT O'BRIEN /VANDERKARR ROAD
CROSS SECTIONS - ILLINOIS ROUTE 47
 SCALE: 1:10H/15V SHEET OF SHEETS STA. 500+05.60 TO STA. 502+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-N	MCHENRY	106	95
CONTRACT NO. 62C34			ILLINOIS FED. AID PROJECT	

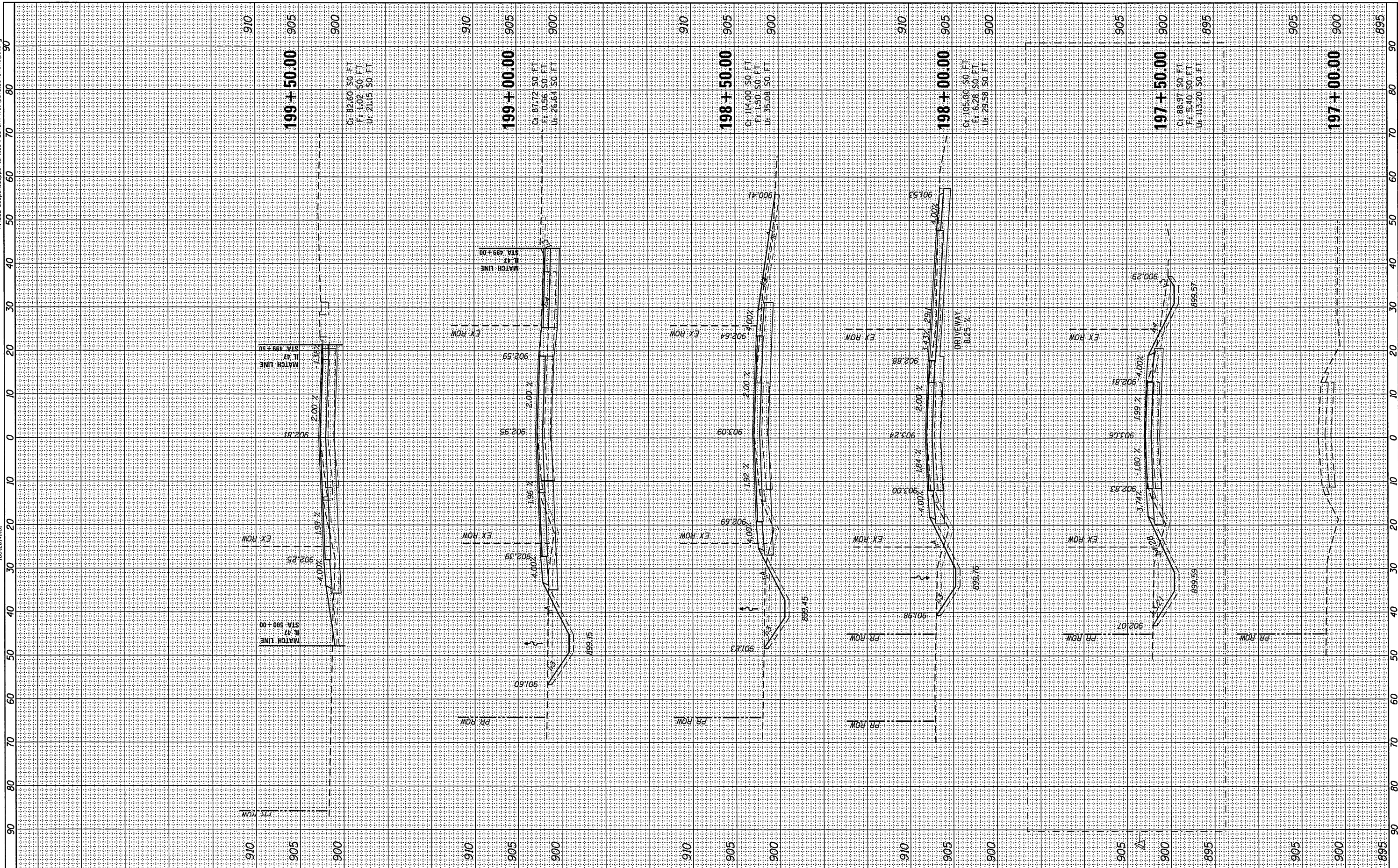
△ REV 1-3-18

FINAL SURVEY SURVEYED _____ DATE _____
 NOTE BOOK _____
 AREAS CHECKED _____

ORIGINAL SURVEY SURVEYED _____ DATE _____
 NOTE BOOK _____
 AREAS CHECKED _____

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FILE NAME = D:\62C34\asht-Obrien.dgn
 10/12/2014.tbl



CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = doznierski
 DESIGNED - JKP
 DRAWN - JKP
 CHECKED - SRK
 DATE - 2017/12/5

REVISER -
 REVISION -
 REVISION -
 REVISION -

REVISER -
 REVISION -
 REVISION -
 REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47 AT O'BRIEN /VANDERKARR ROAD
 CROSS SECTIONS - O'BRIEN ROAD**

SCALE: 1:10H/1:5V SHEET OF SHEETS STA. 197+00.00 TO STA. 200+00.00

F.A.P. RTE. 326	SECTION 104-N	COUNTY McHENRY	TOTAL SHEETS 106	SHEET NO. 99
CONTRACT NO. 62C34				
ILLINOIS FED. AID PROJECT				

REV 1-3-18