04-27-12 LETTING ITEM 170

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76401		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAS ROUTE 770 (IL 157)
SECTION 64–1BR
PROJECT ACBRS-0770(106)
STRUCTURE REPLACEMENT
MADISON COUNTY

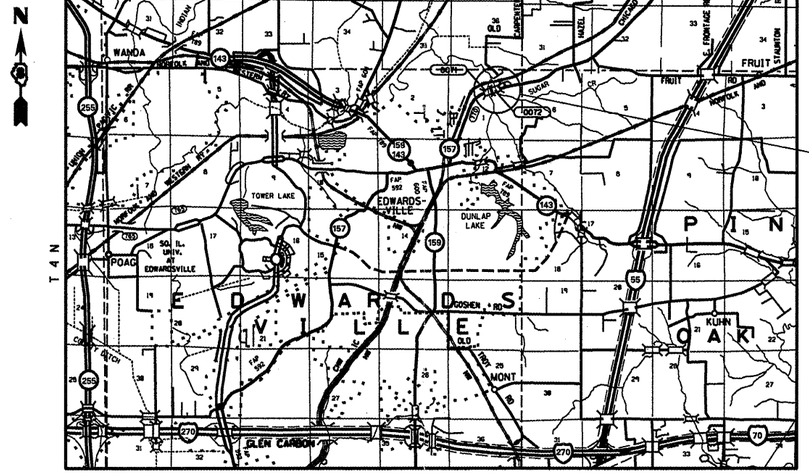
C–98–080–11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION

OLD CARPENTER ROAD: 85(22) LOCAL HIGHWAY URBAN 3.16(FD–20)

ADT (IL 157)		ADT (OLD CARPENTER ROAD)	
ADT:	5,800 (2007)	ADT:	650 (2006)
ADT:	6,100 (2012)	ADT:	700 (2012)
ADT:	7,400 (2032)	ADT:	850 (2032)
SU%:	3.9%	SU%:	19.2%
MU%:	1.0%	MU%:	6.2%

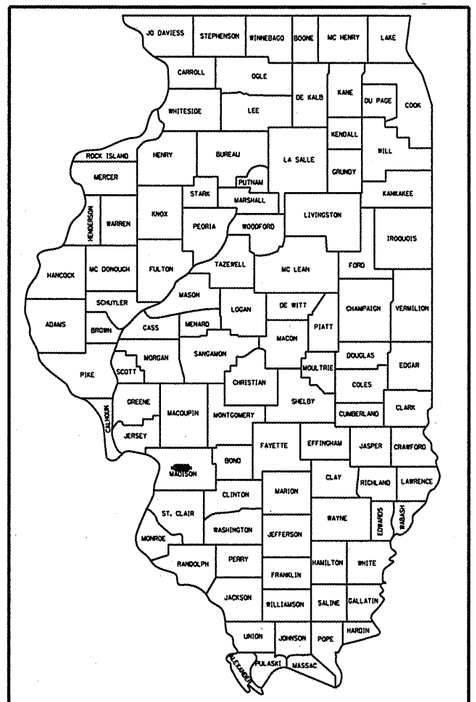


LAYOUT

0 MI 1 MI 2 MI 3 MI

1" = 1 MILE

D–98–058–01



LOCATION OF SECTION INDICATED THUS: –

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

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

LATITUDE: 38.8284°
LONGITUDE: 89.9340°

GROSS LENGTH = 73.00 FT = 0.014 MILE
NET LENGTH = 73.00 FT = 0.014 MILE

ROADWAY WORK NECESSARY FOR PROJECT
IL 157: FROM STA. 49+28.53 TO STA. 68+30.58
OLD CARPENTER ROAD: FROM STA. 0+12.42 TO STA. 5+51.49
SERVICE DRIVE: FROM STA. 10+16.00 TO STA. 14+79.09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 2 20 12

DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 23 20 12

John D. Baranzelli P.E. Bc
acting ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 12

William R. Frey Jr.
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: PATTI LeBEAU (618) 346–3179
PROJECT MANAGER: REBECCA THARP (618) 346–3323

CONTRACT NO. 76401

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
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8-10	TYPICAL SECTIONS
11	SUPERELEVATION TABLES
12-16	SCHEDULES OF QUANTITIES
17-20	ALIGNMENT, TIE PONTS & BENCHMARKS
21-26	PLAN AND PROFILE SHEETS
27-61	SUGGESTED STAGE CONSTRUCTION SHEETS
62-63	EROSION AND SEDIMENT CONTROL DETAILS
64-69	PLAT OF HIGHWAYS
70-74	PAVEMENT MARKING SHEETS
75-100	BRIDGE PLANS
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106-124	MAINLINE CROSS SETIONS
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132-134	SERVICE ROAD CROSS SECTIONS
135-137	CHANNEL CROSS SECTIONS

HIGHWAY STANDARDS

000001-06	630001-10	701311-03
001001-02	630301-05	701316-06
001006	631031-10	701321-12
280001-06	631032-07	701326-04
406201-01	635006-03	701901-02
420401-08	635011-02	704001-07
482001-02	666001-01	720001-01
515001-03	667101-02	720006-03
542401-01	701001-02	720011-01
602301-03	701006-03	729001-01
604036-02	701011-02	780001-03
606101-04	701306-03	781001-03

GENERAL NOTES:

1. THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

   - AMEREN ILLINOIS (GAS & ELECTRIC)
   - AT&T ILLINOIS (COMMUNICATIONS)
   - CONSOLIDATED COMMUNICATIONS, INC. (COMMUNICATIONS)
   - CITY OF EDWARDSVILLE PUBLIC WORKS (WATER & SANITARY SEWER)
   - TRANSCANADA KEYSTONE PIPELINE (PIPELINE)
   - MARATHON PIPE LINE, LLC (PIPELINE)
   - NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT (WATER)
   - PAETEC (COMMUNICATIONS)
   - SOUTHWESTERN ELECTRIC COOPERATIVE, INC. (ELECTRIC)

   MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY •.
   NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

4. THE WIDTHS OF HOT-MIX-ASPHALT SURFACE REMOVAL SHOWN ON THE PLANS ARE THE NOMINAL WIDTHS. IRREGULARITIES IN THE SURFACE WIDTH MAY OCCUR THROUGHOUT THE LENGTH OF THE SECTION. HOT-MIX ASPHALT SURFACE REMOVAL WILL BE PAID FOR IN SQUARE YARDS BASED UPON THE NOMINAL WIDTHS INDICATED.

5. THE ESTIMATED QUANTITY OF 1635 TONS OF CUTTINGS IS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS.

6. THE RIGHT OF WAY MARKERS SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER WHICH IS THE PROPERTY PIN. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKERS AT THE TWELVE INCHES (12") OFFSET.

7. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.

8. IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

9. THE CONTRACTOR SHALL FURNISH AND INSTALL WOOD SIGN SUPPORTS IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS, HOWEVER, INSTALLATION BY METHOD "A" (ARTICLE 730.04(A)) SHALL BE THE ONLY METHOD PERMITTED.

10. ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.

11. A QUANTITY OF 487.5 FEET OF "TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER.

12. HOT-MIX ASPHALT SURFACE REMOVAL WILL BE CONTROLLED AT THE CENTERLINE AND THE PAVEMENT CROSS SLOPES WILL BE REESTABLISHED FROM THIS POINT.

13. ALL ELEVATIONS REFER TO THE USGS MEAN SEA LEVEL DATUM.

14. THREE CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEK PRIOR TO ANY LANE CLOSURE. THE CHANGEABLE MESSAGE SHALL BE PLACED ALONG CARPENTER ROAD AND ALONG IL ROUTE 157 AT EACH END OF THE PROJECT, AS DIRECTED OF THE ENGINEER.

15. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.

16. NO OPEN TRENCHES SHALL BE PERMITTED DURING WINTER SHUTDOWN OR AS DIRECTED BY THE ENGINEER.

17. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINIMG PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP CORRDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISSTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

18. ANY ASH TREE CUT DOWN SHALL BE DISPOSED OF ON SITE.

19. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

20. THE VARIOUS THICKNESS OF BITUMINOUS SURFACE REMOVAL SHOWN ON THE PLANS IS THE AVERAGE THICKNESS BASED UPON CONTROLLING THICKNESS AS INDICATED. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE. BITUMINOUS SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.

21. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED FOR THIS PROJECT. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

2. TEMPORARY SEEDING SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE PAID FOR AS "TEMPORARY EROSION CONTROL SEEDING" AND NO OTHER PAYMENT WILL BE PERMITTED. FOR CALCULATION PURPOSES, THREE APPLICATIONS OF TEMPORARY SEEDING WERE ASSUMED.

3. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.

4. CLASS 2 SEEDING AND EROSION CONTROL BLANKET IS TO BE PLACED AS SOON AS EARTHWORK IS COMPLETED.

5. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPE STEEPER THAN 1 TO 3.

6. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

7. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.

COMMITMENTS:

NONE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	2
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	213	213		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	314	314		
20200100	EARTH EXCAVATION	CU YD	8,015	8,015		
20200500	EARTH EXCAVATION (WIDENING)	CU YD	20	20		
20300100	CHANNEL EXCAVATION	CU YD	956	956		
20700220	POROUS GRANULAR EMBANKMENT	CUYD	167.5	167.5		
* 25000200	SEEDING, CLASS 2	ACRE	2.5	2.5		
* 25000305	SEEDING, CLASS 3A	ACRE	0.5	0.5		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	297	297		
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	297	297		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	297	297		
* 25100115	MULCH, METHOD 2	ACRE	6	6		
25100630	EROSION CONTROL BLANKET	SQ YD	77	77		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	660	660		
28000400	PERIMETER EROSION BARRIER	FOOT	1579	1579		
28000500	INLET AND PIPE PROTECTION	EACH	4	4		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
28100105	STONE RIPRAP, CLASS A3	SQ YD	58	58		
28100107	STONE RIPRAP, CLASS A4	SQ YD	869	869		
28200200	FILTER FABRIC	SQ YD	869	869		
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	2,924	2,924		
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQYD	70	70		
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	492	492		
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	122	122		
40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	134	134		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	293	293		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.4	1.4		
40600300	AGGREGATE (PRIME COAT)	TON	8	8		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	319	319		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	80	80		
40600990	TEMPORARY RAMP	SQ YD	27	27		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	213	213		

*SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	3
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	577	577		
40701901	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	SQ YD	1299	1299		
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.4	0.4		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	35	35		
40800030	AGGREGATE (PRIME COAT)	TON	1	1		
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	57	57		
44000100	PAVEMENT REMOVAL	SQ YD	1972	1972		
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	4,285	4,285		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	315	315		
44000400	GUTTER REMOVAL	FOOT	1705	1705		
44004250	PAVED SHOULDER REMOVAL	SQ YD	97	97		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,304	3,304		
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	178	178		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1,799	1,799		
50100300	REMOVAL OF EXISTING STRUCTURES NO.1	EACH	1	1		
50100400	REMOVAL OF EXISTING STRUCTURES NO.2	EACH	1	1		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
50105220	PIPE CULVERT REMOVAL	FOOT	151	151		
50200100	STRUCTURE EXCAVATION	CU YD	71.8	71.8		
50300225	CONCRETE STRUCTURES	CU YD	77.9	77.9		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	258.3	258.3		
50300260	BRIDGE DECK GROOVING	SQ YD	567	567		
50300280	CONCRETE ENCASEMENTS	CUYD	5	5		
50300300	PROTECTIVE COAT	SQ YD	690	690		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1		
50500505	STUD SHEAR CONNECTORS	EACH	1239	1239		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	70,160	70,160		
50800515	BAR SPLICERS	EACH	579	579		
50901125	STEEL RAILING (TEMPORARY)	FOOT	27	27		
51201600	FURNISHING STEEL PILES HP12X53	FOOT	988	988		
51202305	DRIVING PILES	FOOT	988	988		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 2 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	4
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0011 80% FEDERAL 20% STATE		
CODE NO	ITEM	UNIT				
51203600	TEST PILE STEEL HP 12×53	EACH	1	1		
51500100	NAME PLATES	EACH	1	1		
52100520	ANCHOR BOLTS, 1"	EACH	28	28		
54213450	END SECTIONS 15"	EACH	1	1		
54213453	END SECTIONS 18"	EACH	1	1		
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	69	69		
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	56	56		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	81.2	81.2		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1		
60500060	REMOVING INLETS	EACH	1	1		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	32	32		
60602500	CONCRETE GUTTER, TYPE A	FOOT	1584	1584		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	150	150		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0011 80% FEDERAL 20% STATE		
CODE NO	ITEM	UNIT				
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2		
63200310	GUARDRAIL REMOVAL	FOOT	307	307		
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	18	18		
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	9	9		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	14	14		
67100100	MOBILIZATION	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	60		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	3		
70106700	TEMPORARY RUMBLE STRIPS	EACH	15	15		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	485	485		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9,824	9,824		

*SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 3 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	5
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	287.5	287.5		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3436	3436		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	287.5	287.5		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	200	200		
70500615	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	2		
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	187.5	187.5		
70500610	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2	2		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,824	9,824		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	23.7	23.7		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	49	49		
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	14.7	14.7		
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	433	433		
* 73000100	WOOD SIGN SUPPORT	FOOT	51.5	51.5		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	22	22		
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2	2		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	6	6		
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	2	2		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	2	2		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2113	2113		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	24	24		
X7010200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL)	EACH	1	1		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1		
X6063000	CONCRETE GUTTER, TYPE B (SPECIAL)	FOOT	93	93		
X6660445	RIGHT OF WAY AND PROPERTY CORNERS	EACH	3	3		
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1		
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	186	186		
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	616	616		
+ Z0076600	TRAINEES	HOUR	500	500		

* SPECIALTY ITEM 37 +0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 4 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	6
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0011 80% FEDERAL 20% STATE		
C2002036	SHRUB, CORYLUS AMERICANA (AMERICAN FILBERT), 3' HEIGHT, BALLED AND BURLAPPED	EACH	23	23		
D2002984	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 7' HEIGHT, BALLED AND BURLAPPED	EACH	6	6		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT				

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	PLOT DATE = 12/22/2011	DATE -	REVISED -

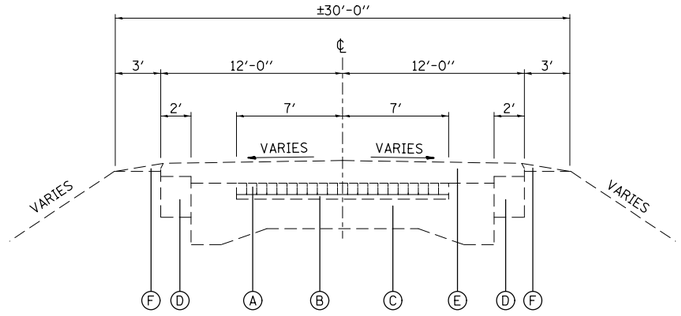
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

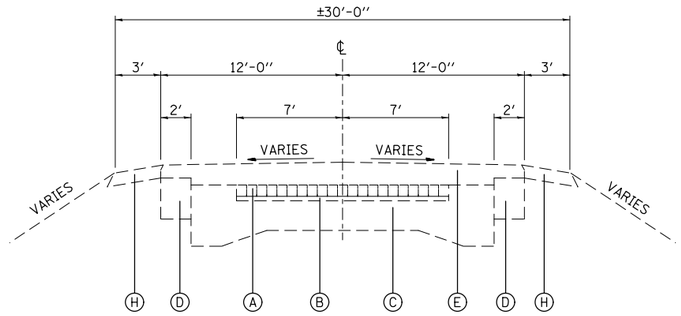
SCALE: NONE | SHEET NO. 5 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	7
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

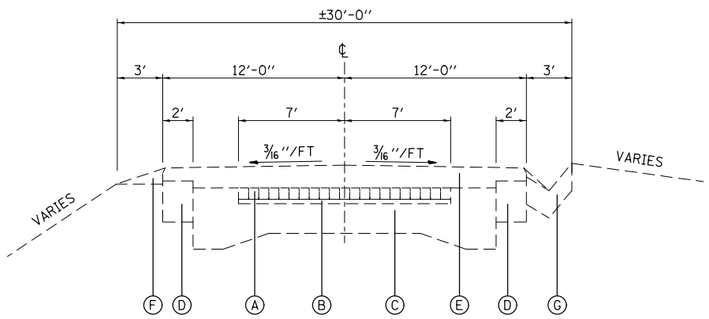
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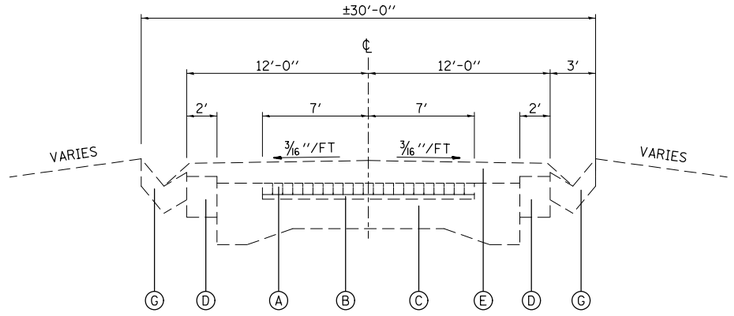
STA. 49+28.53 TO STA. 49+95.35(RT)/50+00.98(LT)
STA. 51+39.14(LT)/51+39.21(RT) TO STA. 56+67.24
STA. 56+94.36 TO STA. 57+61.90
STA. 66+58.89 TO STA. 68+30.58



RT: STA. 49+95.35 TO STA. 51+39.21
LT: STA. 50+00.98 TO STA. 51+39.14



STA. 57+61.90 TO STA. 58+98.19



STA. 58+98.19 TO STA. 66+58.89

LEGEND

Ⓐ EXISTING BRICK SURFACE - 2 ½″
Ⓑ EXISTING BITUMINOUS MASTIC CUSHION - 1″
Ⓒ EXISTING P.C. CONCRETE BASE COURSE - 10″-6½″-10″
Ⓓ EXISTING P.C. CONCRETE BASE COURSE WIDENING - 9″
Ⓔ EXISTING BITUMINOUS CONCRETE SURFACE - ±5″
Ⓕ EXISTING EARTH SHOULDERS, TYPE B
Ⓖ EXISTING TYPE A GUTTER
Ⓗ EXISTING PAVED SHOULDER
Ⓘ EXISTING PAVEMENT
① PROPOSED PAVEMENT REMOVAL - FULL DEPTH
② PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - ¾″
③ PROPOSED PAVED SHOULDER REMOVAL
④ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
⑤ PROPOSED AGGREGATE BASE COURSE, TYPE A - 12″
⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE - 9 ½″
⑦ PROPOSED LEVELING BINDER - VARIES
⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 1½″
⑨ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) - 11″
⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS - 8″
⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE - 9″
⑫ PROPOSED AGGREGATE SHOULDERS, TYPE A - 6″
⑬ PROPOSED TYPE A GUTTER
⑭ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
⑮ PROPOSED AGGREGATE (PRIME COAT)
⑯ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING - 6″

MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	FINE GRADE BINDER	FULL DEPTH BINDER & BASE COURSE	LEVELING BINDER / INCIDENTAL SURFACING	SHOULDERS ≥ 2.25″	SHOULDERS < 2.25″
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE CONTRACT RAP SPECIAL PROVISION	SEE CONTRACT RAP SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70		
MIX COMPOSITION					**2.0% @ Ndes=30	**2.0% @ Ndes=30
(GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0 FG	IL 19.0 FG	IL 9.5 ONLY	NMAS 3/4″	NMAS 1/2″
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "B"	MIXTURE "C"		

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

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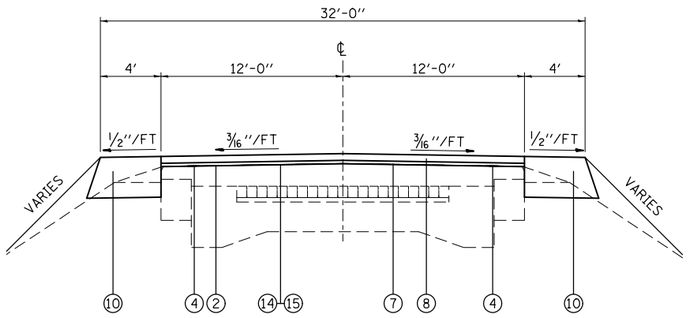
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS – IL 157

SCALE: NONE | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

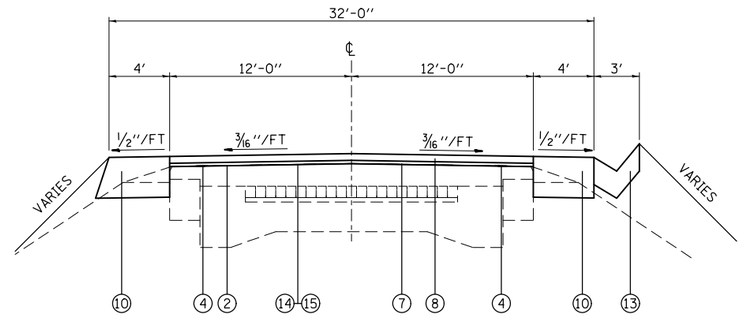
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	8
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MILLING CONTROL POINT IS AT CENTERLINE OF IL ROUTE 157.



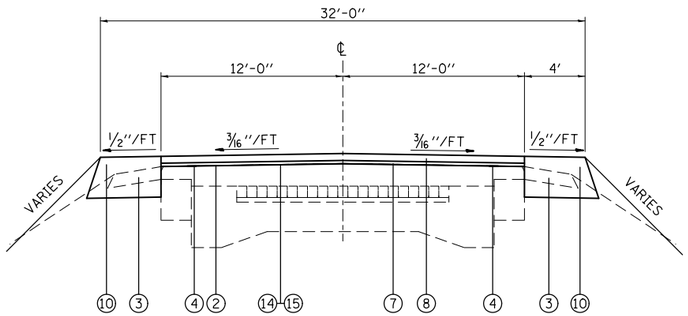
TANGENT SECTION

STA. 49+28.53 TO STA. 49+95.35(RT)/50+00.98(LT)
STA. 51+39.14(LT)/51+39.21(RT) TO STA. 52+99.92
STA. 66+60.00 TO STA. 68+30.58



TANGENT SECTION

STA. 58+66.00 TO STA. 59+36.00

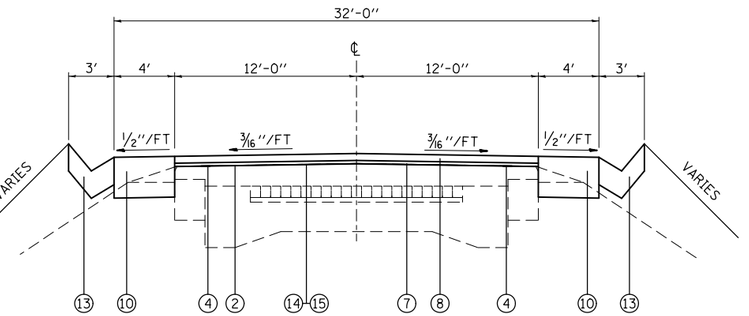


TANGENT SECTION

RT: STA. 49+95.35 TO STA. 51+39.21
LT: STA. 50+00.98 TO STA. 51+39.14

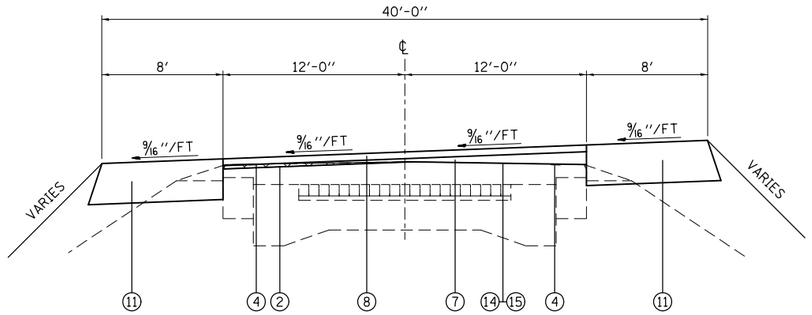
LEGEND

(A) EXISTING BRICK SURFACE - 2 1/2"
(B) EXISTING BITUMINOUS MASTIC CUSHION - 1"
(C) EXISTING P.C. CONCRETE BASE COURSE - 10"-6 1/2"-10"
(D) EXISTING P.C. CONCRETE BASE COURSE WIDENING - 9"
(E) EXISTING BITUMINOUS CONCRETE SURFACE - ±5"
(F) EXISTING EARTH SHOULDERS, TYPE B
(G) EXISTING TYPE A GUTTER
(H) EXISTING PAVED SHOULDER
(I) EXISTING PAVEMENT
(1) PROPOSED PAVEMENT REMOVAL - FULL DEPTH
(2) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"
(3) PROPOSED PAVED SHOULDER REMOVAL
(4) PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
(5) PROPOSED AGGREGATE BASE COURSE, TYPE A - 12"
(6) PROPOSED HOT-MIX ASPHALT BINDER COURSE - 9 1/2"
(7) PROPOSED LEVELING BINDER - VARIES
(8) PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 1 1/2"
(9) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) - 11"
(10) PROPOSED HOT-MIX ASPHALT SHOULDERS- 8"
(11) PROPOSED HOT-MIX ASPHALT BASE COURSE - 9"
(12) PROPOSED AGGREGATE SHOULDERS, TYPE A - 6"
(13) PROPOSED TYPE A GUTTER
(14) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(15) PROPOSED AGGREGATE (PRIME COAT)
(16) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING - 6"



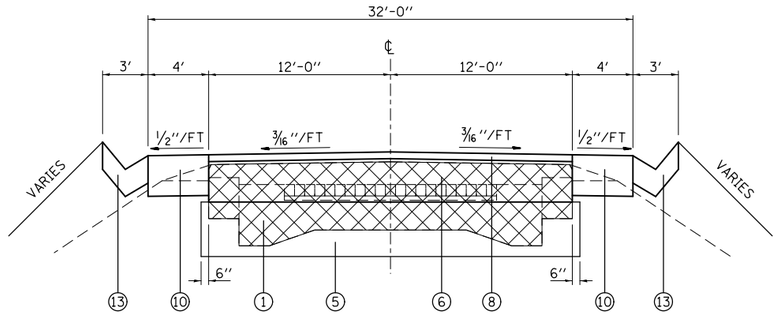
TANGENT SECTION

STA. 59+00.00 TO STA. 62+75.00
STA. 64+25.00 TO STA. 66+48.00



SUPERELEVATED SECTION

STA. 54+62.92 TO STA. 56+16.36



TANGENT SECTION

STA. 62+75.00 TO STA. 64+25.00

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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

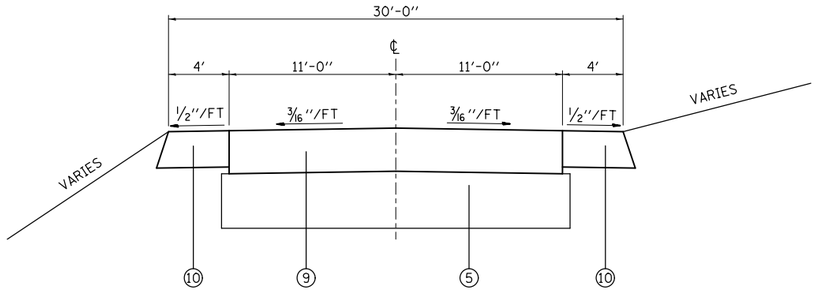
PROPOSED TYPICAL SECTIONS – IL 157

SCALE: NONE | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	9
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

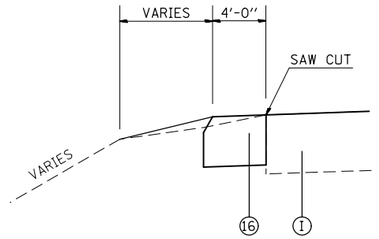
ALL TYPICALS ON THIS SHEET ARE FOR
OLD CARPENTER ROAD UNLESS OTHERWISE NOTED

MILLING CONTROL POINT IS AT CENTERLINE OF IL ROUTE 157.



PROPOSED RELOCATED TANGENT SECTION

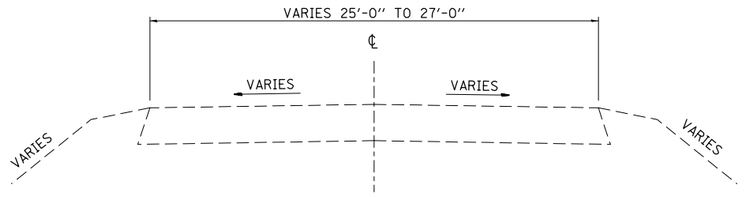
STA. 0+12.47 TO STA. 0+84.87
STA. 4+85.88 TO STA. 5+51.49



WIDENING DETAIL

STA. 13+25 TO STA. 16+00

OLD CARPENTER ROAD
EXISTING TYPICAL SECTION

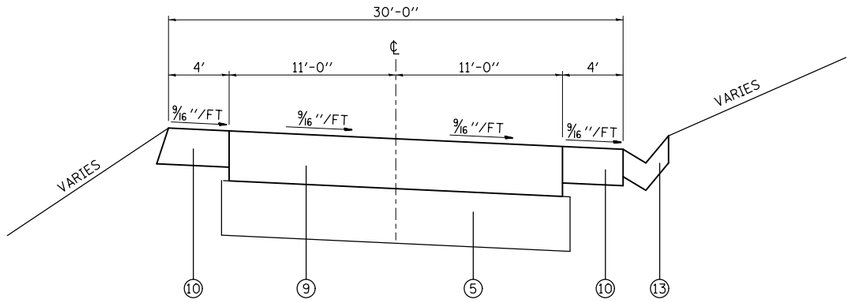


TANGENT SECTION

STA. 10+12.17 TO STA. 15+56.89

SEQUENCE OF CONSTRUCTION

1) EXCAVATE FOR WIDENING AND PLACE EXCAVATED MATERIAL ON SHOULDER.
2) CONSTRUCT BASE COURSE WIDENING.
3) PLACE EARTH EXCAVATION AGAINST WIDENING TO DRAIN.

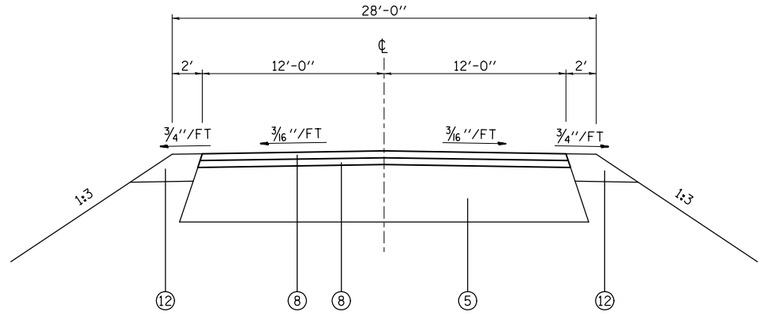


PROPOSED RELOCATED SUPERELEVATED SECTION

STA. 1+88.87 TO STA. 2+85.73

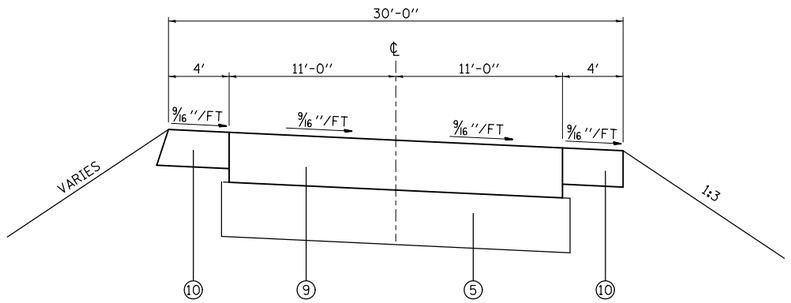
HMA PAVEMENT (FULL-DEPTH) - 11" DETAIL

2" SURFACE, MIX "D", N70
9" IL 19.0 FG BINDER



PROPOSED SERVICE DRIVE

STA. 10+16.00 TO STA. 14+18.56

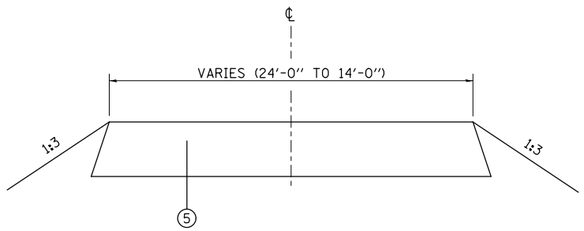


PROPOSED RELOCATED SUPERELEVATED SECTION

STA. 2+98.00 TO STA. 3+81.88

LEGEND

(A) EXISTING BRICK SURFACE - 2 1/2"
(B) EXISTING BITUMINOUS MASTIC CUSHION - 1"
(C) EXISTING P.C. CONCRETE BASE COURSE - 10"-6 1/2"-10"
(D) EXISTING P.C. CONCRETE BASE COURSE WIDENING - 9"
(E) EXISTING BITUMINOUS CONCRETE SURFACE - ±5"
(F) EXISTING EARTH SHOULDERS, TYPE B
(G) EXISTING TYPE A GUTTER
(H) EXISTING PAVED SHOULDER
(I) EXISTING PAVEMENT
(1) PROPOSED PAVEMENT REMOVAL - FULL DEPTH
(2) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"
(3) PROPOSED PAVED SHOULDER REMOVAL
(4) PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
(5) PROPOSED AGGREGATE BASE COURSE, TYPE A - 12"
(6) PROPOSED HOT-MIX ASPHALT BINDER COURSE - 9 1/2"
(7) PROPOSED LEVELING BINDER - VARIES
(8) PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 1 1/2"
(9) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) - 11"
(10) PROPOSED HOT-MIX ASPHALT SHOULDERS - 8"
(11) PROPOSED HOT-MIX ASPHALT BASE COURSE - 9"
(12) PROPOSED AGGREGATE SHOULDERS, TYPE A - 6"
(13) PROPOSED TYPE A GUTTER
(14) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(15) PROPOSED AGGREGATE (PRIME COAT)
(16) PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING - 6"



PROPOSED SERVICE DRIVE

STA. 14+18.56 TO STA. 14+79.39

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

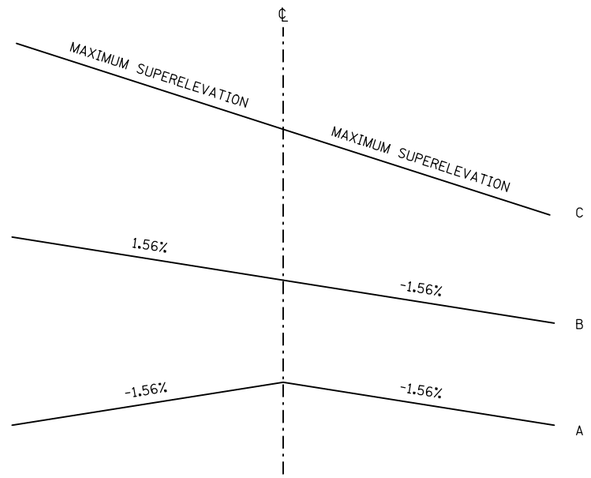
TYPICAL SECTIONS – OLD CARPENTER ROAD & SERVICE DRIVE

SCALE: NONE | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	10
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SE TABLE; IL ROUTE 157						
SECTION	STATION	CENTERLINE ELEVATION	LEFT PAVEMENT SLAB		RIGHT PAVEMENT SLAB	
			SLOPE %	EOP ELEV.	SLOPE %	EOP ELEV.
A	52+99.92	469.45	-1.56	469.26	-1.56	469.26
	53+00.00	469.45	-1.56	469.26	-1.56	469.26
	53+10.00	469.47	-1.56	469.28	-1.17	469.33
	53+20.00	469.49	-1.56	469.30	-0.78	469.40
	53+30.00	469.51	-1.56	469.32	-0.39	469.46
	53+40.00	469.53	-1.56	469.34	0.00	469.53
	53+50.00	469.55	-1.56	469.36	0.39	469.60
	53+60.00	469.55	-1.56	469.36	0.78	469.64
	53+70.00	469.55	-1.56	469.36	1.17	469.69
B	53+79.88	469.55	-1.56	469.36	1.56	469.74
	53+90.00	469.55	-1.95	469.32	1.95	469.78
	54+00.00	469.55	-2.35	469.27	2.35	469.83
	54+10.00	469.53	-2.74	469.20	2.74	469.86
	54+20.00	469.51	-3.13	469.13	3.13	469.89
	54+30.00	469.5	-3.52	469.08	3.52	469.92
	54+40.00	469.48	-3.91	469.01	3.91	469.95
	54+50.00	469.47	-4.30	468.95	4.30	469.99
	54+60.00	469.45	-4.69	468.89	4.69	470.01
C	54+62.92	469.45	-4.80	468.87	4.80	470.03
MAXIMUM SUPERELEVATION						
C	56+16.36	469.38	-4.8	468.80	4.80	469.96
	56+20.00	469.39	-4.66	468.83	4.66	469.95
	56+30.00	469.41	-4.27	468.90	4.27	469.92
	56+40.00	469.41	-3.88	468.94	3.88	469.88
	56+50.00	469.46	-3.49	469.04	3.49	469.88
	56+60.00	469.51	-3.10	469.14	3.10	469.88
	56+70.00	469.56	-2.71	469.24	2.71	469.88
	56+80.00	469.61	-2.32	469.33	2.32	469.89
	56+90.00	469.66	-1.93	469.43	1.93	469.89
B	56+99.39	469.71	-1.56	469.52	1.56	469.90
	57+10.00	469.76	-1.56	469.57	1.15	469.90
	57+20.00	469.81	-1.56	469.62	0.76	469.90
	57+30.00	469.86	-1.56	469.67	0.37	469.90
	57+40.00	469.91	-1.56	469.72	-0.02	469.91
	57+50.00	469.97	-1.56	469.78	-0.41	469.92
	57+60.00	470.04	-1.56	469.85	-0.80	469.94
	57+70.00	470.12	-1.56	469.93	-1.19	469.98
A	57+79.36	470.22	-1.56	470.03	-1.56	470.03

SE TABLE; CARPENTER ROAD						
SECTION	STATION	CENTERLINE ELEVATION	LEFT PAVEMENT SLAB		RIGHT PAVEMENT SLAB	
			SLOPE %	EOP ELEV.	SLOPE %	EOP ELEV.
A	00+84.87	470.85	-1.56	470.68	-1.56	470.68
	00+90.00	470.92	-1.28	470.78	-1.56	470.75
	01+00.00	471.09	-0.73	471.01	-1.56	470.92
	01+10.00	471.29	-0.18	471.27	-1.56	471.12
	01+20.00	471.50	0.37	471.54	-1.56	471.33
	01+30.00	471.74	0.92	471.84	-1.56	471.57
	01+40.00	472.01	1.47	472.17	-1.56	471.84
B	01+41.60	472.05	1.56	472.22	-1.56	471.88
	01+50.00	472.30	1.99	472.52	-1.99	472.08
	01+60.00	472.61	2.51	472.89	-2.51	472.33
	01+70.00	472.95	3.03	473.28	-3.03	472.62
	01+80.00	473.31	3.54	473.70	-3.54	472.92
C	01+88.87	473.65	4.00	474.09	-4.00	473.21
MAXIMUM SUPERELEVATION						
C	03+81.88	476.66	4.00	477.10	-4.00	476.22
	03+90.00	476.75	3.58	477.14	-3.58	476.36
	04+00.00	476.88	3.06	477.22	-3.06	476.54
	04+10.00	477.04	2.55	477.32	-2.55	476.76
	04+20.00	477.24	2.03	477.46	-2.03	477.02
B	04+29.15	488.43	1.56	488.60	-1.56	488.26
	04+40.00	477.69	1.00	477.80	-1.56	477.52
	04+50.00	477.96	0.48	478.01	-1.56	477.79
	04+60.00	478.25	-0.03	478.25	-1.56	478.08
	04+70.00	478.57	-0.55	478.51	-1.56	478.40
	04+80.00	478.93	-1.06	478.81	-1.56	478.76
A	04+85.88	479.14	-1.37	478.99	-1.56	478.97



FILE NAME = c:\pw_work\pwidot\harbaughrd\d0139799\D476401-sht-Typical.dgn	USER NAME = harbaughrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERELEVATION TABLES				
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -						
	PLOT DATE = 2/3/2012	CHECKED -	REVISED -						
		DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	11
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHOULDER & PAVEMENT SCHEDULE

LOCATION	PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 3/4"	HMA SURFACE REMOVAL - BUTT JOINT	PAVED SHOULDER REMOVAL	AGGREGATE BASE COURSE, TYPE A 12"	HMA BASE COURSE WIDENING, 6" (STAGE IA)	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA PAVEMENT (FULL DEPTH), 11"	LEVELING BINDER (MACHINE METHOD), N70	HMA BINDER COURSE, IL-19.0 FG, N70	HMA SURFACE COURSE, MIX "D", N70	HMA SHOULDERS, 8"	HMA BASE COURSE, 9"	AGGREGATE SHOULDERS, TYPE A 6"	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	STRIP REFLECTIVE CRACK CONTROL TREATMENT
STATION TO STATION	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	SQ YD	TON	TON	TON	SQ YD	SQ YD	SQ YD	FOOT	FOOT
IL 157																	
STA 49+28.53 TO STA 50+00.00	4.2	190.5	40	0.6			0.06	0.33		11.1		16.1	63.5				142.9
STA 50+00.00 TO STA 51+00.00	49.7	266.7		69.3			0.09	0.44		19.6		22.4	88.9				200
STA 51+00.00 TO STA 52+00.00		266.7		27.1			0.09	0.44		19.6		22.4	88.9				200
STA 52+00.00 TO STA 53+00.00		266.7					0.09	0.44		19.6		22.4	88.9				200
STA 53+00.00 TO STA 54+00.00		266.7					0.09	0.44		19.6		22.4	88.9				200
STA 54+00.00 TO STA 55+00.00		266.7					0.09	0.44		19.6		22.4	32.7	112.4			200
STA 55+00.00 TO STA 56+00.00		266.7					0.09	0.44		19.6		22.4		177.8			200
STA 56+00.00 TO STA 57+00.00		30.1					0.02	0.09		2.2		3.9		30.6		28.5	200
STA 57+00.00 TO STA 58+00.00		115.9					0.06	0.24		13.6		11.2		88.0		28.5	200
STA 58+00.00 TO STA 59+00.00		266.7					0.09	0.44		31.4		22.4	47.3	83.2			200
STA 59+00.00 TO STA 60+00.00		266.7					0.09	0.44		31.4		22.4	88.9				200
STA 60+00.00 TO STA 61+00.00		266.7					0.09	0.44		31.4		22.4	88.9				200
STA 61+00.00 TO STA 62+00.00		266.7					0.09	0.44		31.4		22.4	88.9				200
STA 62+00.00 TO STA 63+00.00	67.5	200			69.5		0.03	0.44		7.8	35.5	22.4	88.9				50
STA 63+00.00 TO STA 64+00.00	270				277.8			0.44			142.0	22.4	88.9				
STA 64+00.00 TO STA 65+00.00	67.5	200			69.5		0.03	0.44		4.1	35.5	22.4	88.9				50
STA 65+00.00 TO STA 66+00.00		266.7					0.09	0.44		16.4		22.4	88.9				200
STA 66+00.00 TO STA 67+00.00		266.7					0.09	0.44		4.1		22.4	88.9				200
STA 67+00.00 TO STA 68+00.00		266.7					0.09	0.44		16.4		22.4	88.9				200
STA 68+00.00 TO STA 68+30.58		81.4	40				0.03	0.17		0.1		6.9	27.1				61.1
OLD CARPENTER ROAD	1513.1																
STA 0+12.47 TO STA 1+00.00					223.7				195.5				71.3				
STA 1+00.00 TO STA 2+00.00					255.6				244.4				88.9				
STA 2+00.00 TO STA 3+00.00					255.6				244.4				88.9				
STA 3+00.00 TO STA 4+00.00					255.6	35.6			244.4				88.9				
STA 4+00.00 TO STA 5+00.00					255.6	44.6			244.4				88.9				
STA 5+00.00 TO STA 5+51.49					131.6	20.1			125.9				45.8				
STA 5+51.49 TO STA 6+00.00						21.7											
SERVICE DRIVE																	
STA 10+12.00 TO STA 11+00.00					244.5							37.7			36.4		
STA 11+00.00 TO STA 12+00.00					277.8							44.8			44.4		
STA 12+00.00 TO STA 13+00.00					277.8							44.8			44.5		
STA 13+00.00 TO STA 14+00.00					277.8							44.8			44.5		
STA 14+00.00 TO STA 14+79.39					51.6			0.13				8.4			8.2		
TOTAL	1972	4285	80	97	2924	122	1.4	8	1299	319	213	577	1799	492	178	57	3304

FILE NAME = c:\pw_work\pwidot\harbaughrd\d0139799\D476401-sht-Schedules.dgn	USER NAME = harbaughrd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: NONE | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	12
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL SCHEDULE

LOCATION	LT OR RT	OFFSET DISTANCE	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY EROSION CONTROL SEEDING	SEEDING, CLASS 2	SEEDING, CLASS 3A•	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
STATION TO STATION		FOOT	SQ YD	FOOT	EACH	POUND	ACRE	ACRE	POUND	POUND	POUND	ACRE
IL 157												
STA 49+28.53 TO STA 50+00.00												
STA 50+00.00 TO STA 51+00.00						5.94	0.027		2.673	2.673	2.673	0.054
STA 51+00.00 TO STA 52+00.00						8.80	0.040		3.960	3.960	3.960	0.080
STA 52+00.00 TO STA 53+00.00						9.68	0.044		4.356	4.356	4.356	0.088
STA 53+00.00 TO STA 54+00.00						14.96	0.068		6.732	6.732	6.732	0.136
STA 54+00.00 TO STA 55+00.00				51.4		32.12	0.146		14.454	14.454	14.454	0.292
STA 55+00.00 TO STA 56+00.00				98.4		45.54	0.207		20.493	20.493	20.493	0.414
STA 56+00.00 TO STA 57+00.00				84.8		14.74	0.067		6.633	6.633	6.633	0.134
STA 57+00.00 TO STA 58+00.00				153.2		30.36	0.138		13.662	13.662	13.662	0.276
STA 58+00.00 TO STA 59+00.00				101.0		18.48	0.084		8.316	8.316	8.316	0.168
STA 59+00.00 TO STA 60+00.00				55.7		7.92	0.036		3.564	3.564	3.564	0.072
STA 60+00.00 TO STA 61+00.00						9.90	0.045		4.455	4.455	4.455	0.090
STA 61+00.00 TO STA 62+00.00						6.16	0.028		2.772	2.772	2.772	0.056
STA 62+00.00 TO STA 63+00.00						11.66	0.053		5.247	5.247	5.247	0.106
STA 63+00.00 TO STA 64+00.00						19.14	0.087		8.613	8.613	8.613	0.174
STA 64+00.00 TO STA 65+00.00						18.04	0.082		8.118	8.118	8.118	0.164
STA 65+00.00 TO STA 66+00.00						7.70	0.035		3.465	3.465	3.465	0.070
STA 66+00.00 TO STA 67+00.00						7.26	0.033		3.267	3.267	3.267	0.066
STA 67+00.00 TO STA 68+00.00						12.10	0.055		5.445	5.445	5.445	0.110
STA 68+00.00 TO STA 68+30.58						4.84	0.022		2.178	2.178	2.178	0.044
STA 57+21.79	RT	156.8			1							
OLD CARPENTER ROAD												
STA 0+00.00 TO STA 1+00.00				52.3		46.86	0.173	0.040	21.087	21.087	21.087	0.426
STA 1+00.00 TO STA 2+00.00				108.2		94.38	0.173	0.256	42.471	42.471	42.471	0.858
STA 2+00.00 TO STA 3+00.00				113.4		69.96	0.114	0.204	31.482	31.482	31.482	0.636
STA 3+00.00 TO STA 4+00.00				107.1		15.18	0.069		6.831	6.831	6.831	0.138
STA 4+00.00 TO STA 5+00.00				120.5		16.72	0.076		7.524	7.524	7.524	0.152
STA 5+00.00 TO STA 5+31.22				60.2		9.90	0.045		4.455	4.455	4.455	0.090
STA 0+56.46	LT	44.8			1							
STA 0+56.42	RT	38.9			1							
STA 4+08.48	RT	28.9			1							
SERVICE DRIVE												
STA 10+00.00 TO STA 11+00.00				75.6		24.20	0.110		10.890	10.890	10.890	0.220
STA 11+00.00 TO STA 12+00.00				153.0		28.38	0.129		12.771	12.771	12.771	0.258
STA 12+00.00 TO STA 13+00.00				75.1		27.94	0.127		12.573	12.573	12.573	0.254
STA 13+00.00 TO STA 14+00.00				100.1		28.16	0.128		12.672	12.672	12.672	0.256
STA 14+00.00 TO STA 14+79.39				69.0		12.98	0.059		5.841	5.841	5.841	0.118
CHANNEL												
STA 0+23.55 TO STA 0+53.45	LT		44.3									
STA 1+09.95 TO STA 1+28.26	RT		32.7									
TOTAL			77	1579	4	660	2.5	0.5	297	297	297	6

• SEEDING, CLASS 3A TO BE PLACED ON HILL, RIGHT SIDE OF OLD CARPENTER ROAD

RIGHT-OF-WAY MARKERS SCHEDULE

LOCATION		LT OR RT	OFFSET DISTANCE	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	RIGHT OF WAY AND PROPERTY CORNERS
STATION			FOOT	EACH	EACH
OLD CARPENTER RD. = IL ROUTE 157	STA. 0+26.53 = 59+48.65	RT = LT	131.38 = 37.88	1	
OLD CARPENTER RD.	STA. 0+48.61	RT	75.00	1	
OLD CARPENTER RD.	STA. 0+85.00	RT	75.00	1	
OLD CARPENTER RD. = IL ROUTE 157	STA. 1+09.93 = 55+26.22	LT = LT	280.13 = 81.13	1	
OLD CARPENTER RD.	STA. 1+21.97	LT	112.33	1	
OLD CARPENTER RD.	STA. 1+50.00	RT	100.00	1	
OLD CARPENTER RD.	STA. 1+69.49	LT	238.07	1	
OLD CARPENTER RD.	STA. 2+00.00	RT	105.00	1	
OLD CARPENTER RD.	STA. 2+41.78	LT	75.00	1	
OLD CARPENTER RD.	STA. 3+50.00	LT	26.19	1	
OLD CARPENTER RD.	STA. 3+51.70	RT	39.02	1	
OLD CARPENTER RD.	STA. 4+05.83	RT	40.17	1	
OLD CARPENTER RD.	STA. 4+65.40	RT	29.36	1	1
SERVICE DRIVE	STA. 10+54.49	RT	58.62	1	
SERVICE DRIVE	STA. 10+68.69	RT	59.21	1	
SERVICE DRIVE	STA. 11+12.90	RT	59.09	1	1
SERVICE DRIVE	STA. 11+59.21	RT	43.89	1	
SERVICE DRIVE ON IL 157 STATIONING	STA. 57+87.58	RT	174.51	1	1
TOTAL				17	3

SIGNING SCHEDULE

STATION	SIDE RT/LT	REMOVE SIGN PANEL - TYPE 1 SQ FT	SIGN PANEL - TYPE 1 SQ FT	WOOD SIGN SUPPORT FOOT	SIGN NUMBER	COMMENT
53+37	RT		5.7	17.5	W14-3	NO PASSING SIGN
54+22	RT	5.7				NO PASSING SIGN
54+32	RT		9	17.5	R1-1	STOP SIGN
57+25	LT	9				STOP SIGN
57+81	LT		9	16.5	R1-1	STOP SIGN
TOTAL		14.7	23.7	51.5		

FILE NAME = c:\pw_work\pwidot\harbaughrd\d0139799\D676401-sht-Schedules.dgn	USER NAME = harbaughrd	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 3/8/2012	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: NONE | SHEET NO. 2 OF 5 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	13
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING SCHEDULE

LOCATION	PAVEMENT MARKING REMOVAL			SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING -4"			WORK ZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING -4"			POLYUREA PAVEMENT MARKING -4"			THERMOPLASTIC PAVEMENT MARKING - 12"	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)
	YELLOW		WHITE		YELLOW		WHITE		YELLOW		WHITE	YELLOW		WHITE				
	SKIP-DASH	SOLID	SOLID		SKIP-DASH	SOLID	SOLID		SKIP-DASH	SOLID	SOLID	SKIP-DASH	SOLID	SOLID				
STATION TO STATION	SQ FT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH
IL 157																		
STA 49+28.53 TO STA. 50+00	23.9	6.1	47.7	12.3	17.9	71.5	138.8	80.3	17.9	71.5	138.8					1	1	
STA 50+00 TO STA. 51+00	33.3	8.3	66.7	17.1	25	100	149.6	97.2	25	100	149.6					1	1	
STA 51+00 TO STA. 52+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					2	2	
STA 52+00 TO STA. 53+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					1	1	
STA 53+00 TO STA. 54+00	33.3	8.3	66.7	17.1	9.3	163	136.7	108.7	9.3	163	136.7					1	1	
STA 54+00 TO STA. 55+00	28.3	9.7	66.7	17.1	23	106.5	140.3	95.7	23	106.5	140.3					1	1	
STA 55+00 TO STA. 56+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					2	2	
STA 56+00 TO STA. 57+00	33.3	8.3	66.7	17.1	25	100	34.3	58.8	25	100	34.3	20.7	82.7	165.5		1		1
STA 57+00 TO STA. 58+00	33.3	8.3	44	17.1	25	100	68.1	70.1	25	100	68.1	12.6	50.5	101		1		1
STA 58+00 TO STA. 59+00	33.3	8.3	66.7	17.1	25	100	126	89.4	25	100	126					1	1	
STA 59+00 TO STA. 60+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					2	2	
STA 60+00 TO STA. 61+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					1	1	
STA 61+00 TO STA. 62+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					1	1	
STA 62+00 TO STA. 63+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					1	1	
STA 63+00 TO STA. 64+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					2	2	
STA 64+00 TO STA. 65+00	33.3	8.3	66.7	17.1	25	100	200	114	25	100	200					1	1	
STA 65+00 TO STA. 66+00	61.2	1.5	66.7	17.1	4.2	183.5	200	134.9	4.1	183.5	200					1	1	
STA 66+00 TO STA. 67+00	66.7		66.7	17.1		200	200	139		200	200					1	1	
STA 67+00 TO STA. 68+00	66.7		66.7	17.1		200	200	139		200	200					2	2	
STA 68+00 TO STA. 68+30.58	20.4		20.5	5.3		61.1	61.2	42.5		61.2	61.2							
OLD CARPENTER ROAD																		
STA 0+00.00 TO STA. 1+00				13.7		160	229.1	134.3		160	229.1				23.2			
STA 1+00 TO STA. 2+00				17.1		200	200	139		200	200							
STA 2+00 TO STA. 3+00				17.1		200	200	139		200	200							
STA 3+00 TO STA. 4+00				17.1		200	200	139		200	200							
STA 4+00 TO STA. 5+00				17.1		200	200	139		200	200							
STA 5+00 TO STA. 5+51.49				8.8		103	103	71.6		103	103							
SERVICE DRIVE																		
STA 10+00.00 TO STA. 11+00				14.0		163.2	272.5	149.8		163.2	272.5				25.8			
STA 11+00 TO STA. 12+00				17.1		200	200	139		200	200							
STA 12+00 TO STA. 13+00				17.2		200	200	139.1		200	200							
STA 13+00 TO STA. 14+00				17.2		200	200	139.1		200	200							
STA 14+00 TO STA. 14+18.30				3.2		36.6	36.6	25.5		36.6	36.6							
SUBTOTAL	733.4	133.5	1246.1		379.4	4148.4	5296.2		379.3	4148.5	5296.2	33.3	133.2	266.5				
TOTAL	2113			485	9824			3436	9824			433			49	24	22	2

TREE REMOVAL SCHEDULE

LOCATION	LT OR	OFFSET	TREE REMOVAL *	
			6 TO 15	> 15
STATION	RT	FOOT	UNIT	UNIT
55+90.11	RT	54.69		25.25
56+17.60	RT	43.31	12.5	
56+22.46	RT	43.42	8.75	
56+57.00	RT	44.19		18.75
56+57.28	RT	42.48		20
56+74.20	RT	58.86	7.5	
56+79.51	RT	66.19	7.5	
56+82.63	RT	61.71	10	
56+85.00	RT	51.47		37.5
56+86.60	RT	63.97		17.5
56+94.75	RT	60.51	7.5	
56+95.80	RT	57.41	12.5	
56+95.99	RT	55.50	7.5	
57+01.73	RT	75.98		17.5
57+06.04	RT	70.21	12.5	
57+14.90	RT	63.27		30
57+15.11	RT	73.59	8.75	
57+15.72	RT	85.77	7.5	
57+16.31	RT	78.79	12.5	
57+17.37	RT	95.43	8.75	
57+18.21	RT	82.08		17.5
57+20.29	RT	94.90	11.25	
57+31.06	RT	88.67	11.25	
57+31.24	RT	104.61	7.5	
57+34.48	RT	99.60	7.5	
57+43.80	RT	107.03		18.75
57+53.94	RT	68.50		20
57+59.53	RT	37.40	10	
57+65.02	RT	42.91		18.75
57+98.98	LT	88.23		30
58+32.23	LT	157.59		22.5
58+33.79	LT	207.23	15.25	
58+66.38	LT	131.33		20
61+34.02	LT	24.57	12.5	
63+03.38	RT	48.78	14	
TOTAL			213	314

* ESTIMATED GROWTH FROM TIME OF SURVEY (25%).

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	GUARDRAIL MARKERS, TYPE A	BARRIER WALL MARKERS, TYPE B	BARRIER WALL MARKERS, TYPE C	TERMINAL MARKER - DIRECT APPLIED
	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
NW QUADRANT	140	62.5	1	1					1
NE QUADRANT	50	12.5	1	1					1
SW QUADRANT	41	62.5	1		1				1
SE QUADRANT	76	12.5	1		1				1
EASTBOUND						3	1	1	
WESTBOUND						3	1	1	
TOTAL	307	150	4	2	2	6	2	2	4

SURVEY MARKERS SCHEDULE

STATION	PERMANENT SURVEY MARKER TYPE I EACH	COMMENT
	IL ROUTE 157	
49+50.00	1	POT
54+22.48	1	PC
56+56.80	1	PT
63+50.00	1	POT
68+00.00	1	POT
	CARPENTER ROAD	
0+00.00	1	POT IL 157 & CARP RD.
1+63.91	1	PC
4+06.84	1	PT
5+50.00	1	POT
TOTAL	9	

TREE AND SHRUB SCHEDULE

STATION	OFFSET	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE)	SHRUB, CORYLUS AMERICANAN (AMERICAN FILBERT)
		EACH	EACH
0+76	68	1	
1+13	61	1	
1+50	81	1	
1+77	61	1	
2+11	83	1	
2+54	61	1	
0+32	91		1
0+36	80		1
0+42	90		1
0+50	59		1
0+57	52		1
0+66	48		1
0+78	47		1
0+90	46		1
1+02	45		1
1+14	44		1
1+26	43		1
1+38	43		1
1+50	43		1
1+62	43		1
1+74	43		1
1+87	43		1
2+00	43		1
2+12	43		1
2+25	43		1
2+38	43		1
1+50	43		1
2+63	43		1
2+77	43		1
TOTALS		6	23

ALL STATIONS ARE OFF OF RELOCATED CARPENTER ROAD CENTERLINE.

STAGING SCHEDULE

LOCATION	TEMPORARY RAMP	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6A	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	TEMPORARY PAVEMENT MARKING - LINE 6"	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TL 3	IMPACT ATTENUATOR, TEMPORARY (FULLY-REDIRECTIVE), TL 4	IMPACT ATTENUATOR, RELOCATE (NON-REDIRECTIVE), TL 3	TEMPORARY BRIDGE TRAFFIC SIGNALS	TEMPORARY RUMBLE STRIP
	SQ YD	FOOT	EACH	EACH	FOOT	FOOT	FOOT	EACH		EACH	EACH	EACH
STAGE I											1	9
STAGE II					200		200	1	1		1	
STAGE III					87.5	200	87.5	1		1		
STAGE IV											1	6
IL 157												
STA. 54+80.52 TO STA. 55+30.20				1								
STA. 55+30.20 TO STA. 56+29.55		100										
STA. 56+29.55 TO STA. 56+73.12			1									
STA. 57+00.12 TO STA. 57+43.87			1									
STA. 57+43.87 TO STA. 57+81.25		37.5										
STA. 57+81.25 TO STA. 58+31.25		50										
STA. 58+31.25 TO STA. 58+81.25				1								
TOTAL	0	187.5	2		287.5	200	287.5	2	1	1	3	15

ENTRANCE SCHEDULE

LOCATION STATION	ENTRANCE TYPE	"L" FT	"W" FT	EXISTING SURFACE	BITUMINOUS MATERIALS (PRIME COAT) TON	AGGREGATE (PRIME COAT) TON	AGGREGATE BASE COURSE, TYPE A 6" SQ YD	AGGREGATE SURFACE COURSE, TYPE A 8" SQ YD	DRIVEWAY PAVEMENT REMOVAL SQ YD	INCIDENTAL HMA SURFACING TON	AGGREGATE FOR TEMPORARY ACCESS TON
IL 157											
50+10.2 LT	P.E.	0.00	17.31	BIT	0.03	0.1	5.3		14.8	2.7	12.9
50+19.3 RT	SIDE ROAD		42.51	O & C	0.10	0.2	18.3			9.1	35.3
53+98.66 RT	SERVICE DRIVE										16.4
55+39.80 RT	P.E.			BIT					193.8		
60+92.00 RT	P.E.	11.79	18.00	BIT	0.04	0.1	5.6		31.9	2.8	27.1
63+00.00 LT	P.E.	67.09	22.00	AGG				38.7	18.8		61.7
66+85.5 RT	P.E.	5.57	29.96	BIT	0.07	0.2	13.9		55.7	6.9	26.1
CARPENTER ROAD											
1+00.96 LT	F.E.	69.08	16.00	EARTH				6.5			
3+14.4 RT	P.E.	33.61	14.74	AGG	0.03	0.1	4.6	22.5		2.3	36.8
5+03.32 LT	F.E.	18.48	23.64	EARTH				8.8			57.3
SERVICE DRIVE											
12+67.22 RT	P.E.	15.50	12.00	BIT	0.07	0.1	12.2			6.1	16.4
13+80.00 LT	VEHICLE TURNAROUND	5.00	16.00	BIT	0.06	0.2	10.1			5.1	
14+18.56 END	F.E.	61.13	24.00	AGG				57.5			3
TOTALS					0.4	1	70	134	315	35	293

NOTES:
"L" AND "W" DISTANCES DEFINED ON MISCELLANEOUS DETAIL SHEETS

GUTTER SCHEDULE

LOCATION	LT OR RT	GUTTER REMOVAL	CONCRETE GUTTER, TYPE A	CLASS SI CONCRETE (OUTLET)	STONE RIPRAP, CLASS A3	CONCRETE GUTTER, TYPE B (SPECIAL)
STATION TO STATION		FT	FT	CU YD	SQ YD	SQ YD
ALONG IL 157						
STA 57+21.0 TO STA. 66+50.3	RT	929.3				
STA 57+65.5 TO STA. 57+86.8	RT				15.5	
STA 57+86.8 TO STA. 58+66.0	RT			7		
STA 58+60.5 TO STA. 58+70.1	LT				10	
STA 58+66.0 TO STA. 60+76.5	RT		210.5			
STA 58+70.1 TO STA. 59+36.0	LT			6.14		
STA 58+83.1 TO STA. 66+58.9	LT	775.8				
STA 59+36.0 TO STA. 62+82.0	LT		346.0			
STA 60+76.5 TO STA. 61+08.5	RT			5.39		
STA 61+08.5 TO STA. 66+48.0	RT		539.5			
STA 62+82.0 TO STA. 63+18.0	LT			6.19		
STA 63+00.0 ENTRANCE	LT				22.5	40
STA 63+18.0 TO STA. 66+48.0	LT		330.0			
STA 66+48.0 TO STA. 66+60.0	LT			0.93		
STA 66+48.0 TO STA. 66+60.0	RT			0.93		
ALONG OLD CARPENTER ROAD						
STA 0+65.6 TO STA. 0+78.8	RT				10	
STA 0+78.8 TO STA. 1+28.0	RT			4.49		
STA 1+28.0 TO STA. 2+85.9	RT		158.0			
STA 2+85.7 TO STA. 2+98.0	RT			0.93		
TOTAL		1705	1584	32	58	40

PIPE CULVERT & INLET SCHEDULE

LOCATION STATION	LOCATION OFFSET	LT OR RT	PIPE CULVERT REMOVAL FT	PIPE CULVERTS, CLASS D, TYPE 1 15" FT	END SECTIONS 15" EACH	PIPE CULVERTS, CLASS D, TYPE 1 18" FT	END SECTIONS 18" EACH	REMOVING INLETS EACH	INLETS, TYPE A, TYPE 8 GRATE EACH
ALONG IL 157									
STA 56+39.60	42.40	RT	37						
STA 57+27.58	121.81	RT	41						
ALONG OLD CARPENTER ROAD									
STA 0+56.42	38.93	RT							1
STA 0+56.42	31.32	LT				69	1		
	37.68	RT							
STA 0+56.42	44.84	LT						1	
STA 0+56.89	46.00	LT	49.5						
STA 0+70.47	93.34								
STA 3+02.81	18.80	RT	23.5						
STA 3+26.43	21.73								
ALONG SERVICE DRIVE									
STA 14+50.00	18.00	RT		56	1				
	38.00	LT							
TOTAL			151	56	1	69	1	1	1

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD
IL ROUTE 157				
50+00.00 TO 56+50.00	545.8	409.37	386.19	23.18
STRUCTURE OMISSION				
57+50.00 TO 69+00.00	524.6	665.32	328.07	337.25
OLD CARPENTER ROAD				
0+25.00 TO 5+45.00	6365.6	4774.25	67.34	4705.51
SERVICE DRIVE				
10+25.00 TO 14+75.00	579.0	434.26	1891.00	-1456.74
TOTAL	8015	6283.2	2672.6	3609.2
CHANNEL EXCAVATION				
0+20.00 TO 1+40.00	956	717	6.3	710.7

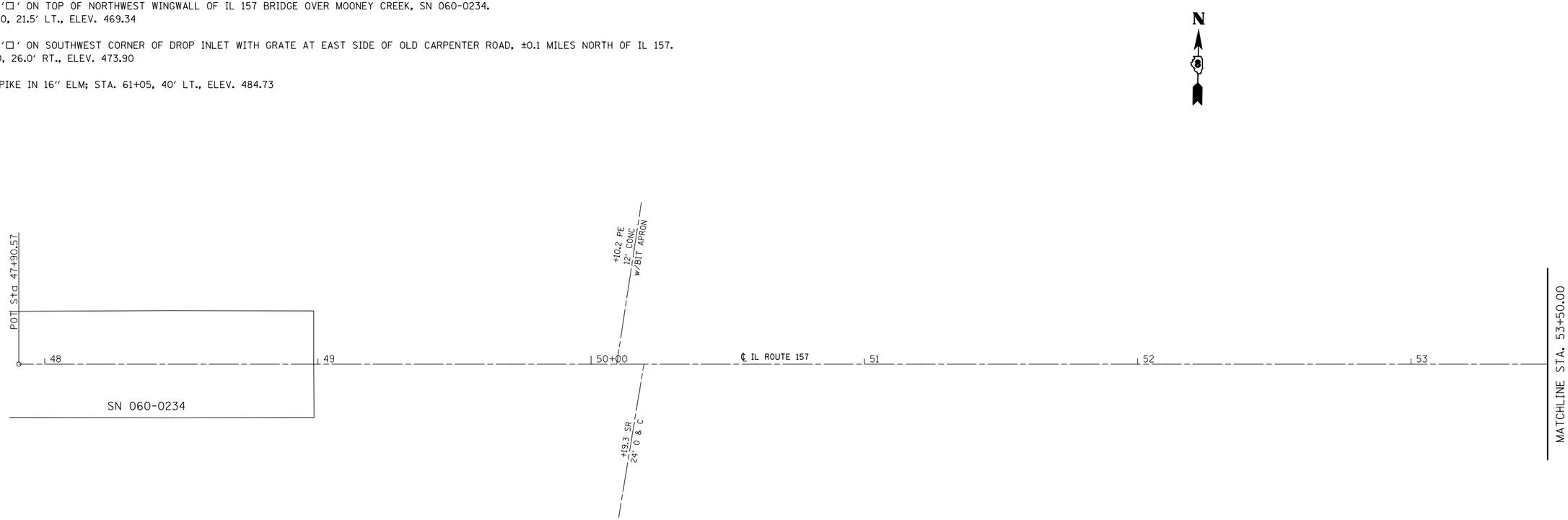
BENCHMARKS

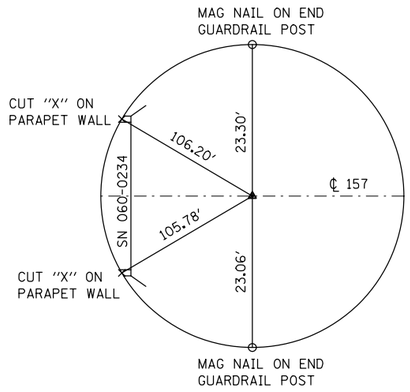
BM #2: FOUND CUT '□' ON TOP OF NORTHEAST WINGWALL OF IL 157 BRIDGE OVER SUGAR CREEK, SN 060-0072.
STA. 56+86.4, 17.2' LT., ELEV. 468.92

BM #1: FOUND CUT '□' ON TOP OF NORTHWEST WINGWALL OF IL 157 BRIDGE OVER MOONEY CREEK, SN 060-0234.
STA. 47+88.0, 21.5' LT., ELEV. 469.34

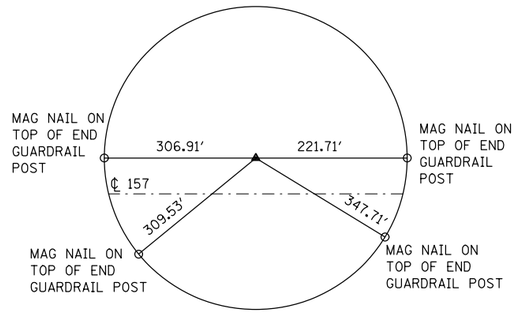
BM #13: FOUND CUT '□' ON SOUTHWEST CORNER OF DROP INLET WITH GRATE AT EAST SIDE OF OLD CARPENTER ROAD, ±0.1 MILES NORTH OF IL 157.
STA. 14+11.0, 26.0' RT., ELEV. 473.90

BM#3: RAILROAD SPIKE IN 16'' ELM; STA. 61+05, 40' LT., ELEV. 484.73





TIE POINT
EXISTING ALIGNMENT
STA. 50+00
MAG NAIL
N. 9974.7967 E. 9193.7480



CONTROL POINT #7
IDOT PIN WITH CAP
STA. 52+98.51
18.75' LT
N. 9998.4260 E. 9491.9160

NOTES:
ALL MEASUREMENTS FOR TIE POINTS AND CONTROL POINTS ARE HORIZONTAL ELECTRONIC DISTANCES MEASUREMENTS.
TIE POINTS AND CONTROL POINTS NOT TO SCALE.

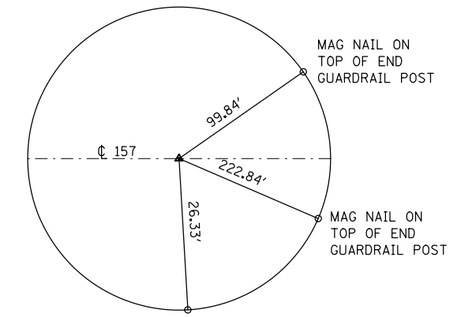
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS

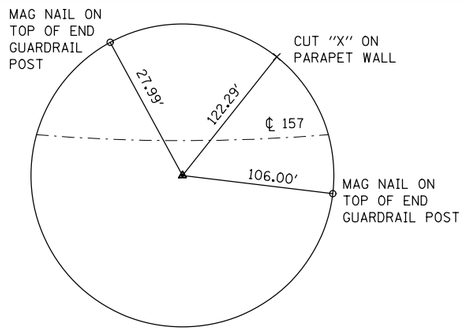
SCALE: 1'' = 20' | SHEET NO. 1 OF 4 SHEETS | STA. 47+90.57 TO STA. 53+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	17
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



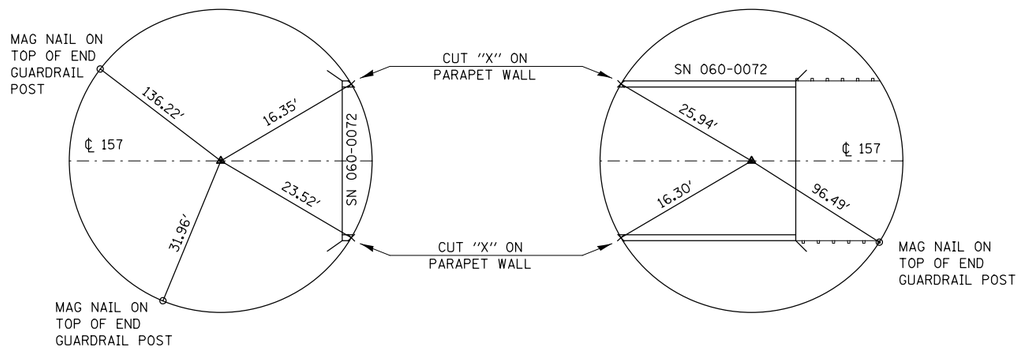
TIE POINT

EXISTING ALIGNMENT
P.C. STA. 54+22.48
MAG NAIL
N. 9981.7015 E. 9616.1727



TIE POINT

EXISTING ALIGNMENT
P.I. STA. 55+39.77
MAG NAIL
N. 9983.6184 E. 9733.4420



TIE POINT

EXISTING ALIGNMENT
P.T. STA. 56+56.80
MAG NAIL
N. 9998.7946 E. 9849.7410

TIE POINT

EXISTING ALIGNMENT
STA. 56+81.00
MAG NAIL
N. 10,001.9260 E. 9873.7376

STA. 53+98.66 ℄ IL ROUTE 157 =
STA 10+00.00 ℄ SERVICE DRIVE

MATCHLINE STA. 53+50.00

PC Sta 54+22.48

54

90°

10+00

55+00

℄ IL ROUTE 157

56

57

EXIST. CURVE PRC2
PI STA. = 55+39.77
Δ = 6° 29′ 54″ (LT)
D = 2° 46′ 24″
R = 2,066.01′
T = 117.29′
L = 234.32′
E = 3.33′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 54+22.48
P.T. STA. = 56+56.80

PI Sta 55+39.77

+39.8 PE
11" AGG

CURVE - IL 157
PI STA. = 55+39.77
Δ = 6° 29′ 54″ (LT)
D = 2° 46′ 24″
R = 2,066.01′
T = 117.29′
L = 234.32′
E = 3.33′
e = 4.80%
T.R. = -----
S.E. RUN = -----
P.C. STA. = 54+22.48
P.T. STA. = 56+56.80
S.E. OBTAINED STA. 52+99.92 TO STA. 54+62.92
S.E. REMOVED STA. 56+16.36 TO STA. 57+79.36

56+46.56
73.07′ LT

POT Sta 0+00.00

0+00

56+56.38
47.82′ LT

PT Sta 56+56.80

POT Sta 56+81.00

+12.3 FE
10" EARTH

SN 060-0072 (E)
SN 060-0204 (P)

57+00.49
28.57′ RT

57+27.03
49.82′ RT

57+45.91
82.55′ RT

MATCHLINE STA. 0+50.00

℄ EXISTING OLD
CARPENTER RD

10+00

80°12'5"

℄ RELOCATED OLD
CARPENTER RD

85°

58

59

MATCHLINE STA. 59+50.00

STA. 58+20.08 ℄ IL ROUTE 157 =
STA 0+00.00 ℄ RELOCATED OLD
CARPENTER ROADA1

STA. 57+44.30 ℄ IL ROUTE 157 =
STA 10+00.00 ℄ EXISTING OLD
CARPENTER ROADA1

N

PC Sta 10+62.00

11

PT Sta 11+77.55

12

℄ SERVICE DRIVE

13

+80 PE
BIT

14

PC Sta 14+18.56

PT Sta 14+64.88

POT Sta 14+88.04

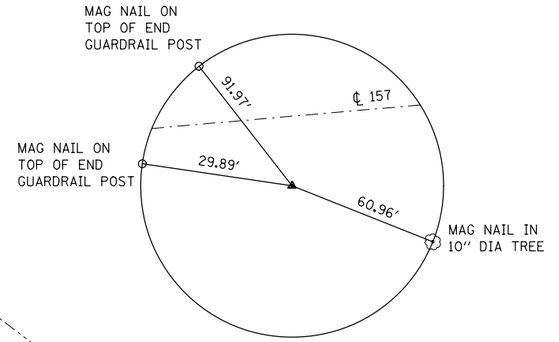
POT Sta 1+86.93

PI Sta 11+37.83

+67.22 PE
12" BIT

PROP. CURVE E5
PI STA. = 11+37.83
Δ = 94° 34′ 57″ (LT)
D = 81° 51′ 04″
R = 70.00′
T = 75.83′
L = 115.55′
E = 33.20′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 10+62.00
P.T. STA = 11+77.55

PROP. CURVE E6
PI STA. = 14+42.61
Δ = 37° 54′ 53″ (RT)
D = 81° 51′ 04″
R = 70.00′
T = 24.04′
L = 46.32′
E = 4.01′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 14+18.56
P.T. STA = 14+64.88



CONTROL POINT #6

IDOT PIN WITH CAP
STA. 58+05.95
18.25′ RT
N. 10,000.0000 E. 10,000.0000

NOTES:

ALL MEASUREMENTS FOR TIE POINTS AND CONTROL POINTS ARE HORIZONTAL ELECTRONIC DISTANCES MEASUREMENTS.
TIE POINTS AND CONTROL POINTS NOT TO SCALE.

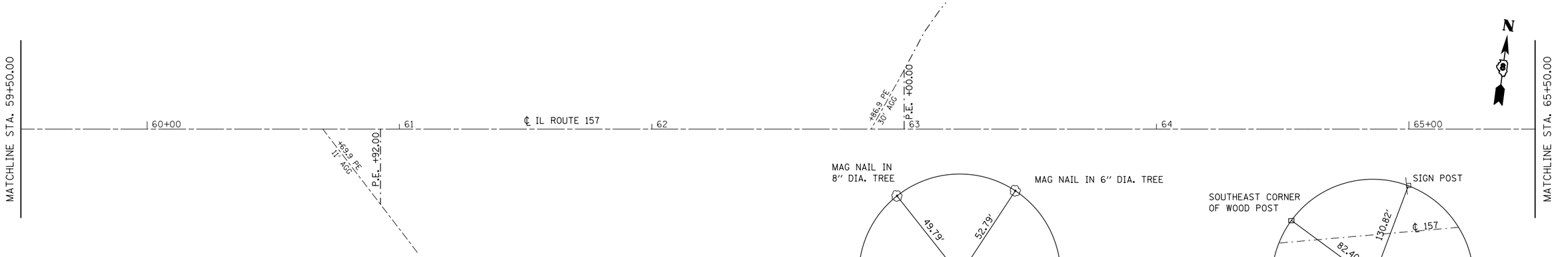
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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS

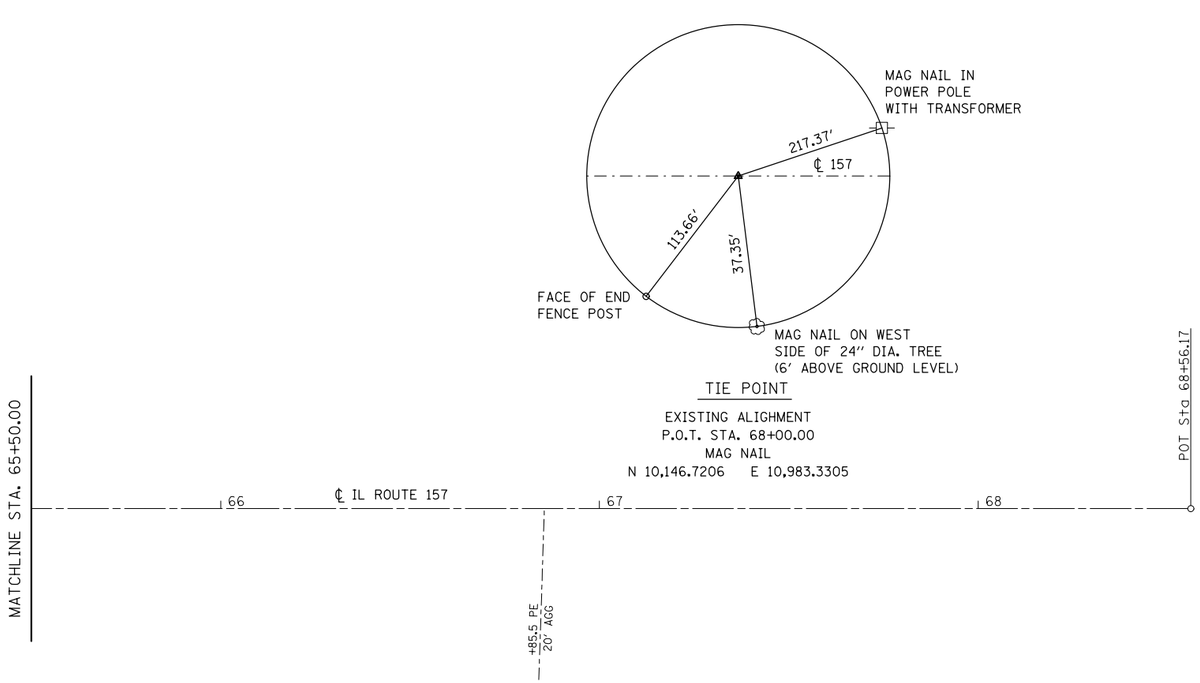
SCALE: 1" = 20′ | SHEET NO. 2 OF 4 SHEETS | STA. 53+50.00 TO STA. 59+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	18
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TIE POINT
EXISTING ALIGNMENT
P.O.T. STA. 63+00.00
MAG NAIL
N 10,082.0224 E 10,487.5340

CONTROL POINT #5
IDOT PIN WITH CAP
STA. 63+91.47
19.98' RT
N 10,074.0420 E 10,580.8180
MEASUREMENTS ARE PULLED DIRECT



TIE POINT
EXISTING ALIGHMENT
P.O.T. STA. 68+00.00
MAG NAIL
N 10,146.7206 E 10,983.3305

NOTES:
ALL MEASUREMENTS FOR TIE POINTS AND CONTROL POINTS ARE HORIZONTAL ELECTRONIC DISTANCES MEASUREMENTS UNLESS OTHERWISE NOTED.
TIE POINTS AND CONTROL POINTS NOT TO SCALE.

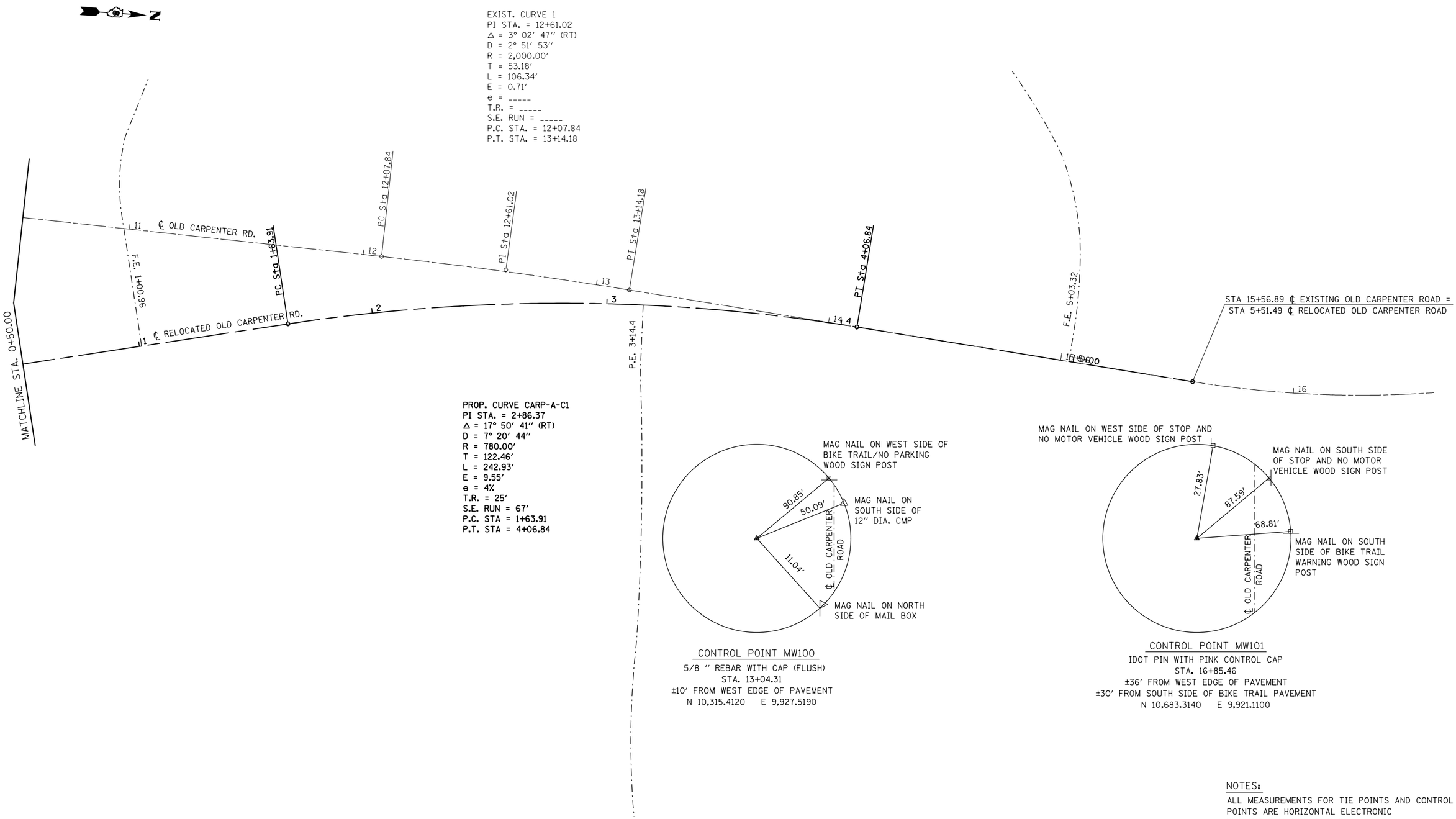
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS

SCALE: 1" = 20' | SHEET NO. 3 OF 4 SHEETS | STA. 59+50.00 TO STA. 68+56.17

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	19
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONTROL POINT MW100
5/8 ″ REBAR WITH CAP (FLUSH)
STA. 13+04.31
±10′ FROM WEST EDGE OF PAVEMENT
N 10,315.4120 E 9,927.5190

CONTROL POINT MW101
IDOT PIN WITH PINK CONTROL CAP
STA. 16+85.46
±36′ FROM WEST EDGE OF PAVEMENT
±30′ FROM SOUTH SIDE OF BIKE TRAIL PAVEMENT
N 10,683.3140 E 9,921.1100

NOTES:
ALL MEASUREMENTS FOR TIE POINTS AND CONTROL POINTS ARE HORIZONTAL ELECTRONIC DISTANCES MEASUREMENTS.
TIE POINTS AND CONTROL POINTS NOT TO SCALE.

FILE NAME = c:\pw_work\pwidot\harbaughrd\d0139799\D076401-sht-ATB.dgn	USER NAME = harbaughrd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS

SCALE: 1″ = 20′ | SHEET NO. 4 OF 4 SHEETS | STA. 0+50.00 TO STA. 5+51.49

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	20
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING R.O.W.

N

DRIVEWAY PAVEMENT REMOVAL

HMA SHOULDERS - 8"

50+00.98

+10.2 PE 12" CONC w/BIT APRON

INCIDENTAL HMA SURFACING

PAVED SHOULDER REMOVAL

51+39.14

CONSTRUCTION LIMITS

STA. 53+98.66 IL 157 = STA. 10+00 SERVICE DRIVE

HMA BASE COURSE - 9"

STA. 54+36.76

PC STA 54+22.48

SN 060-0234

CONC

BIT

49 | 50+00 | 51 | ℄ IL 157 | 52 | 53 | 54

4' 12' 12' 4' 8' 12' 12' 8'

BEGIN PROJECT STA. 49+28.53

49+97.35

51+39.21

PAVED SHOULDER REMOVAL

PAVEMENT REMOVAL

FL 459.62

FL 460.03

30" CMP

+19.3 SE 24" 0

10'

PETRO WARNING SIGN

FIBER OPTIC WARNING SIGN

CROP LINE

90°

10+00

℄ SERVICE DRIVE

50' R

50' R

MATCHLINE STA. 54+50.00

EXISTING R.O.W.

INCIDENTAL HMA SURFACING

EXISTING EASEMENT

PROPOSED R.O.W.

AGGREGATE SHOULDERS, TYPE A

2' 12' 12' 2'

2' 12' 12' 2'

STA. 54+36.76

20' 0 20' 40'

SCALE: 1" = 20'

PLAN

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

BY
DATE

PROFILE

SURVEYED
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD

NOTE BOOK
NO.

BY
DATE

EXISTING PROFILE

469.45

PROPOSED PROFILE

485 480 475 470 465 460 455 450 445

425

49+00	49+50	50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00	54+50
469.49	469.44 / 469.53	469.43 / 469.55	469.31 / 469.44	469.30 / 469.43	469.29 / 469.41	469.29 / 469.40	469.30 / 469.42	469.33 / 469.45	469.41 / 469.55	469.42 / 469.55	469.34 / 469.47

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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 157 PLAN / PROFILE

SCALE: 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 48+50.00 TO STA. 54+50.00

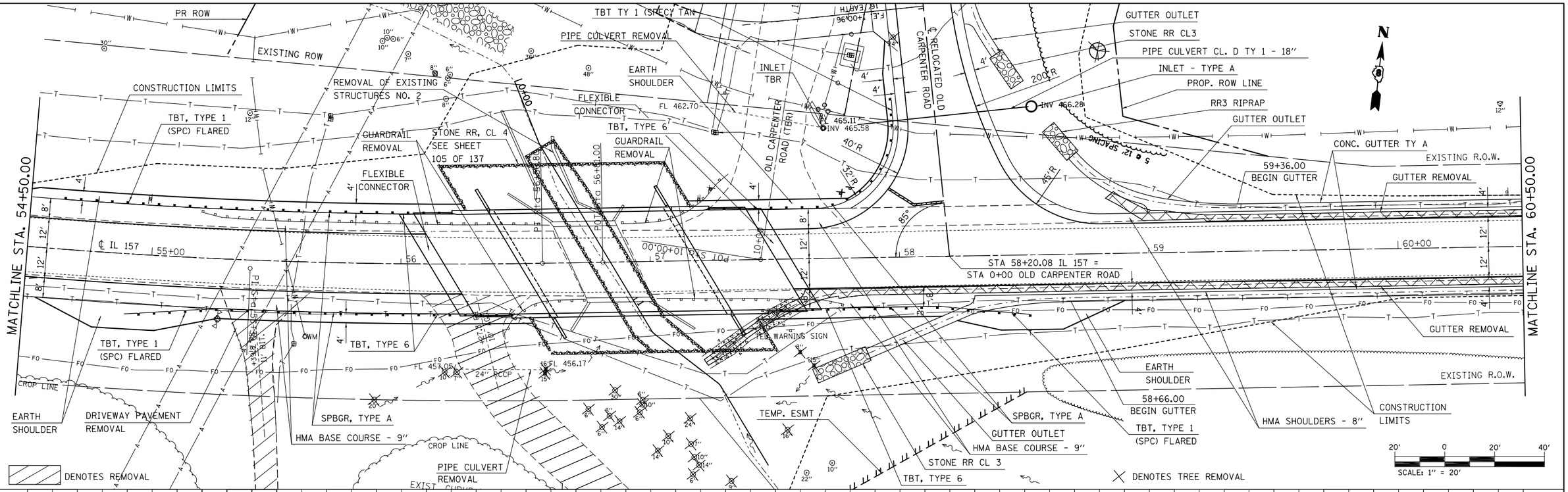
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770	64-1BR	MADISON	137	21

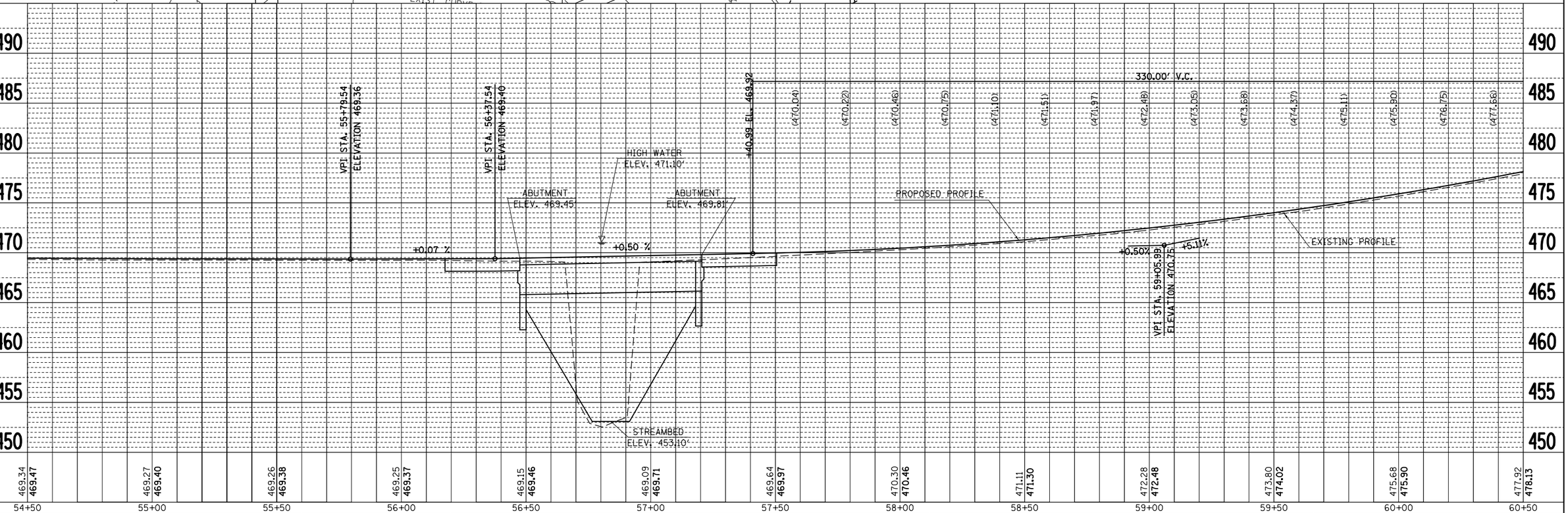
CONTRACT NO. 76401

ILLINOIS FED. AID PROJECT

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / DESIGN CHECKED / BM. NOTED / STRUCTURE NO'TN'S CHK'D / NOTE BOOK / NO. / BY / DATE





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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 157 PLAN / PROFILE

SCALE: 1"=20' | SHEET NO. 2 OF 4 SHEETS | STA. 54+50.00 TO STA. 60+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	22
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

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

MATCHLINE STA. 60+50.00

MATCHLINE STA. 66+50.00

EXISTING R.O.W.

AGGREGATE SURFACE COURSE, TYPE A - 8"

PI STA 0+55.60

PI STA 0+26.50

POT STA 1+18.16

TEMPORARY EASEMENT

LOEMKER DRIVEWAY

SEE MISC. DETAILS

TYPE A GUTTER ENTRANCE

CONSTRUCTION LIMITS

CONC. GUTTER TY A

HMA SHOULDERS - 8"

66+48.00 END GUTTER

GUTTER REMOVAL

WOOD POST

30" AGG

¢ IL ROUTE 157

61 62 63 64 65+00 66

0+00

GUTTER REMOVAL

CONCRETE GUTTER, TYPE A

STA 63+00 IL ROUTE 157 = STA 0+00 LOEMKER DRIVEWAY

ELEC WARNING SIGN

OIL WELL

EXISTING R.O.W.

PAVEMENT REMOVAL

CONSTRUCTION LIMITS

62+75.00

64+25.00

CONC. GUTTER TY A

INCIDENTAL HMA SURFACING

TYPE A GUTTER ENTRANCE

DRIVEWAY PVMT REMOVAL

DENOTES REMOVAL

DENOTES TREE REMOVAL

N

20' 0 20' 40'

SCALE: 1" = 20'

PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
BM. NOTED
STRUCTURE NO(S)/NS CHKD
NOTE BOOK
NO.
BY
DATE

505 500 495 490 485 480 475 470 465

EXISTING PROFILE

PROPOSED PROFILE

(478.62) +70.99 EL. 479.18

+69.81 EL. 484.22

VPI STA. 64+19.81

ELEVATION 496.99

+5.11% +0.75%

500.00' V.C.

(484.74) (485.73) (486.68) (487.59) (488.48) (489.32) (490.14) (490.91) (491.65) (492.36) (493.03) (493.67) (494.27) (494.84) (495.38) (495.87) (496.34) (496.77) (497.16) (497.52) (497.84) (498.13) (498.38) (498.60)

477.92 478.13 480.34 480.66 482.85 483.21 485.38 485.73 487.96 488.04 490.45 490.14 492.45 492.01 493.86 493.67 495.09 495.11 496.18 496.34 497.13 497.34 497.94 498.13 498.61 498.70

60+50 61+00 61+50 62+00 62+50 63+00 63+50 64+00 64+50 65+00 65+50 66+00 66+50

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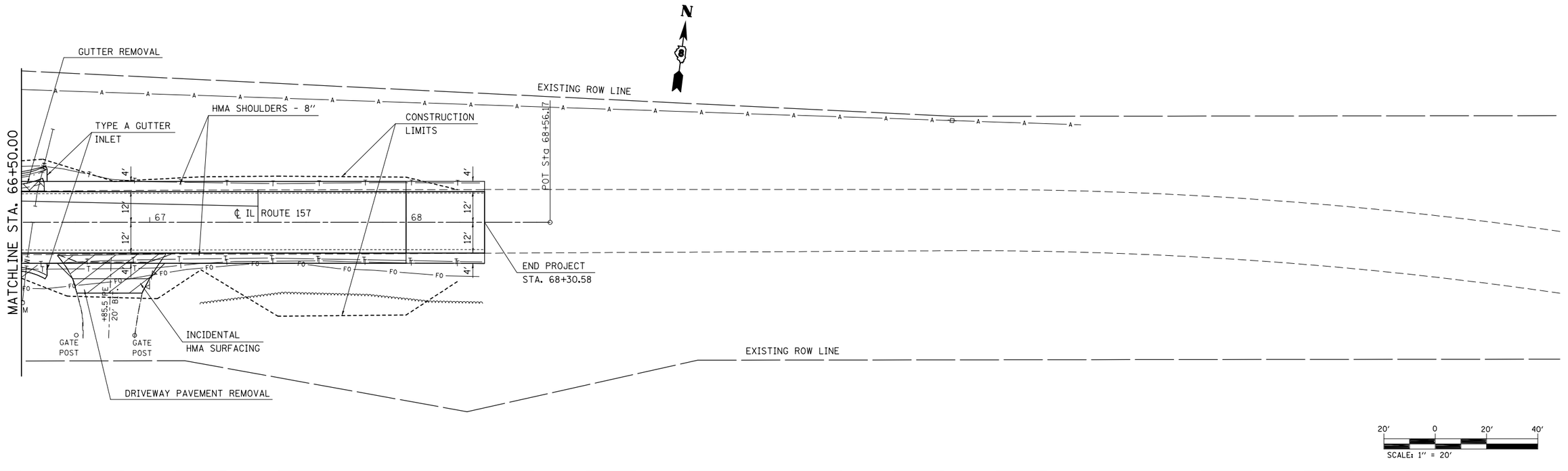
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 157 PLAN /PROFILE

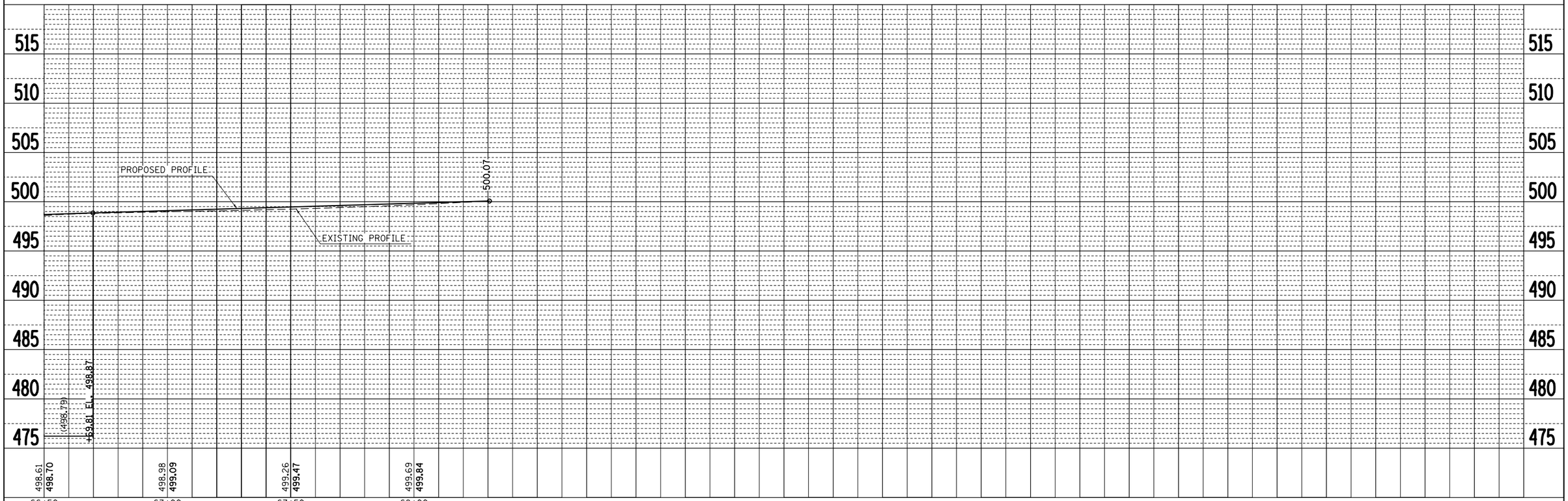
SCALE: 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 60+50.00 TO STA. 66+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	23
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

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



PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
BAK. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

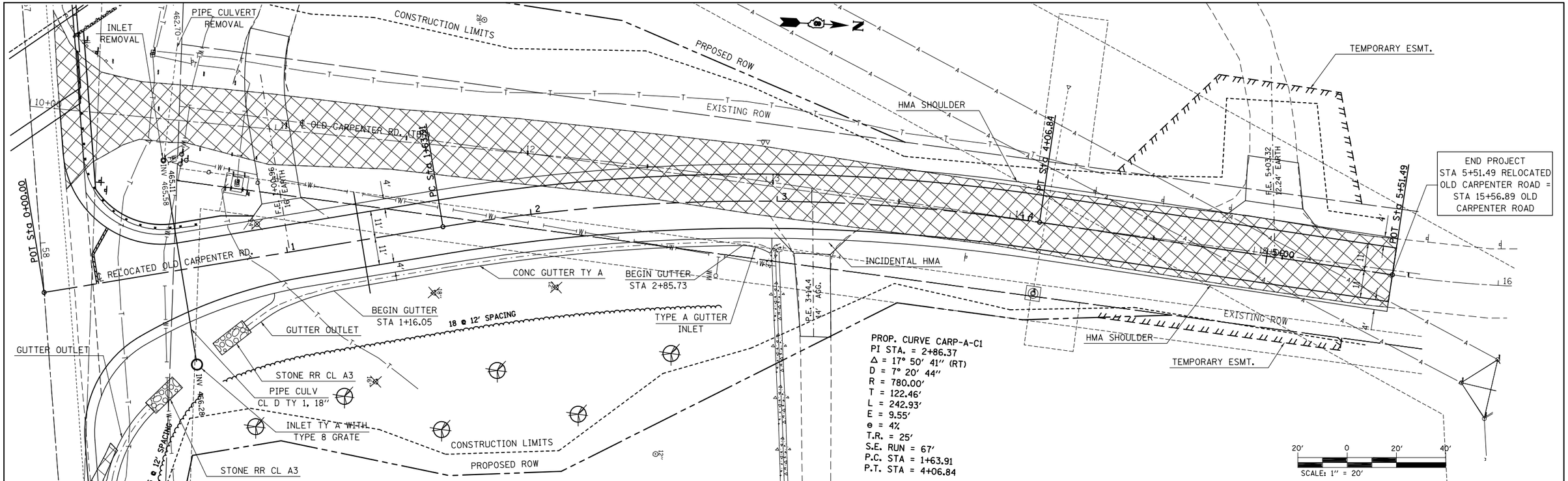
IL 157 PLAN /PROFILE

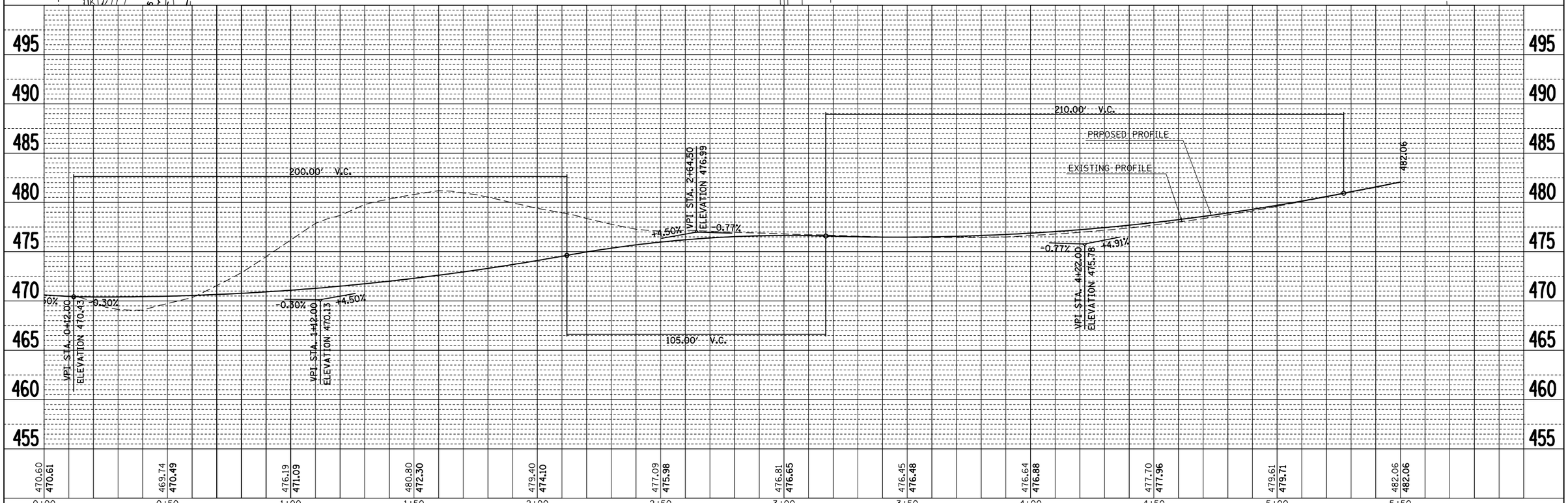
SCALE: 1"=20' | SHEET NO. 4 OF 4 SHEETS | STA. 66+50.00 TO STA. 68+30.58

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	24
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE





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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OLD CARPENTER ROAD PLAN /PROFILE

SCALE: 20 | SHEET NO. 1 OF 1 SHEETS | STA. 0+00.00 TO STA. 5+51.49

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	25
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

PLAN
SURVEYED
PLOTTED
DRAWN
CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

EXISTING ROW LINE
CROP LINE
CONSTRUCTUION LIMITS
AGG. SHOULDER TY A
PROPOSED ROW LINE
CONSTRUCTUION LIMITS
AGG. SHOULDER TY A
INCIDENTAL HMA SURFACE
12 ℄ SERVICE ROAD 13
INCIDENTAL HMA SURFACE
PROPOSED ROW LINE
PIPE CULVERT TBR
24" RCCP
FL 457.05
FL 456.17
CROP LINE
INCIDENTAL HMA SURFACE
80.00' BIT. VEHICLE TURNAROUND
FL 457.54
PIPE CULVERT CL D TY 1 15"
FL 458.70
AGG. SURFACE COURSE
END SECTION
TEMP. WARNING SIGN
EXISTING ROW LINE
STONE RR CL A3
TEMPORARY EASEMENT LINE
TEMPORARY EASEMENT LINE
N
SCALE: 1" = 20'

PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PROPOSED PROFILE
EXISTING PROFILE
VPI STA. 10+12.00
ELEVATION 469.88
+2.14%
-4.00%
+37.50 EL. 468.86 (468.77)
75.00' V.C.
(468.05)
(467.46)
(467.01)
+12.50 EL. 466.79
-4.00%
-1.53%
VPI STA. 10+75.00
ELEVATION 467.36
+87.50 EL. 462.57
(462.40)
(462.18)
(462.04)
(461.98)
75.00' V.C.
-1.53%
-0.04%
+62.50 EL. 461.98
461.98
VPI STA. 14+25.00
ELEVATION 462.06

469.42	460.91	461.03	461.13	461.10	462.40	460.51	460.85	461.53	461.82
469.63	**468.39**	**467.01**	**466.21**	**465.45**	**464.68**	**463.92**	**463.15**	**462.40**	**462.00**

490 485 480 475 470 465 460 455 450

10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50

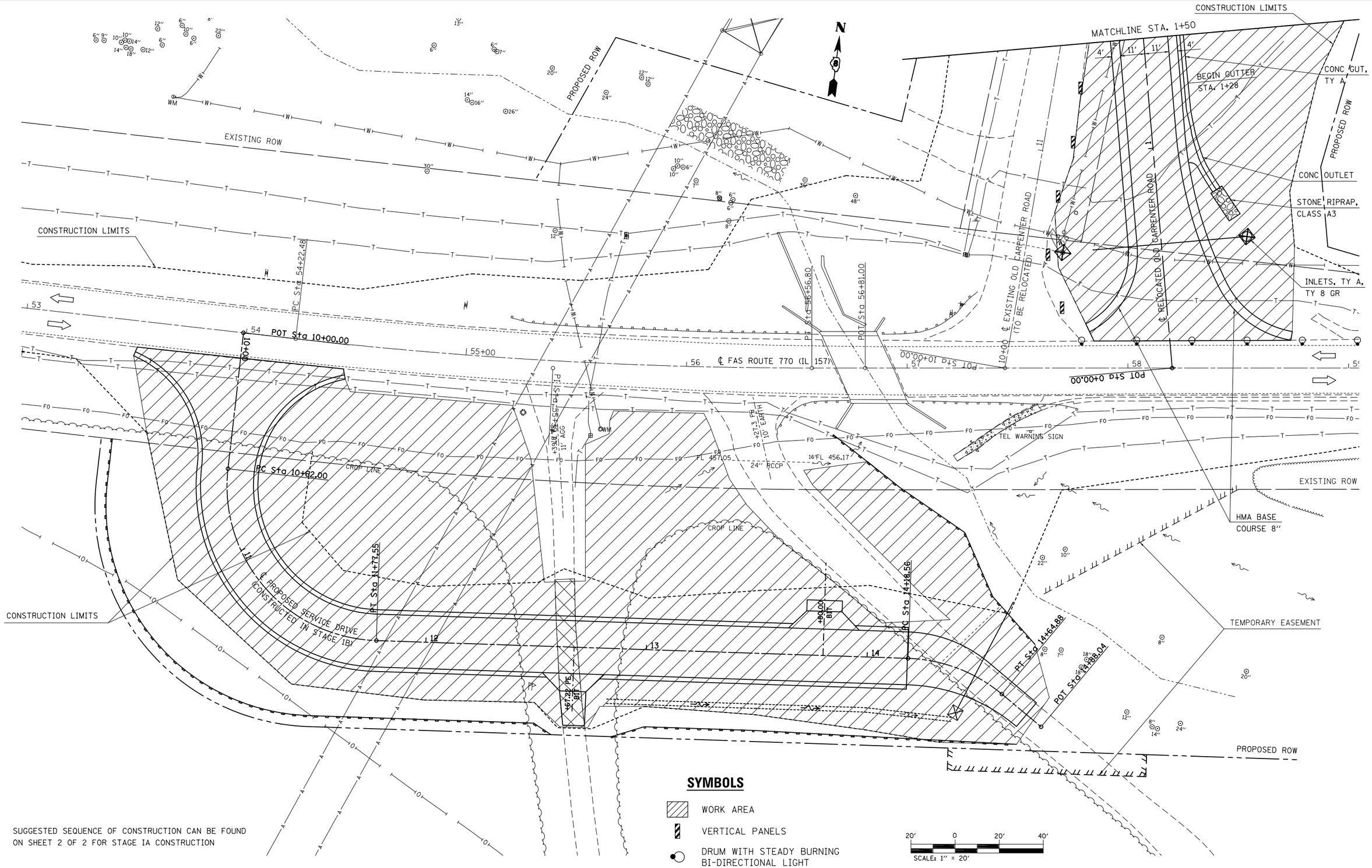
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/9/2012	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SERVICE DRIVE PLAN AND PROFILE

SCALE: 1" = 20 | SHEET NO. 1 OF 1 SHEETS | STA. 10+12.00 TO STA. 14+79.39

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	26
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



SUGGESTED SEQUENCE OF CONSTRUCTION CAN BE FOUND ON SHEET 2 OF 2 FOR STAGE IA CONSTRUCTION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

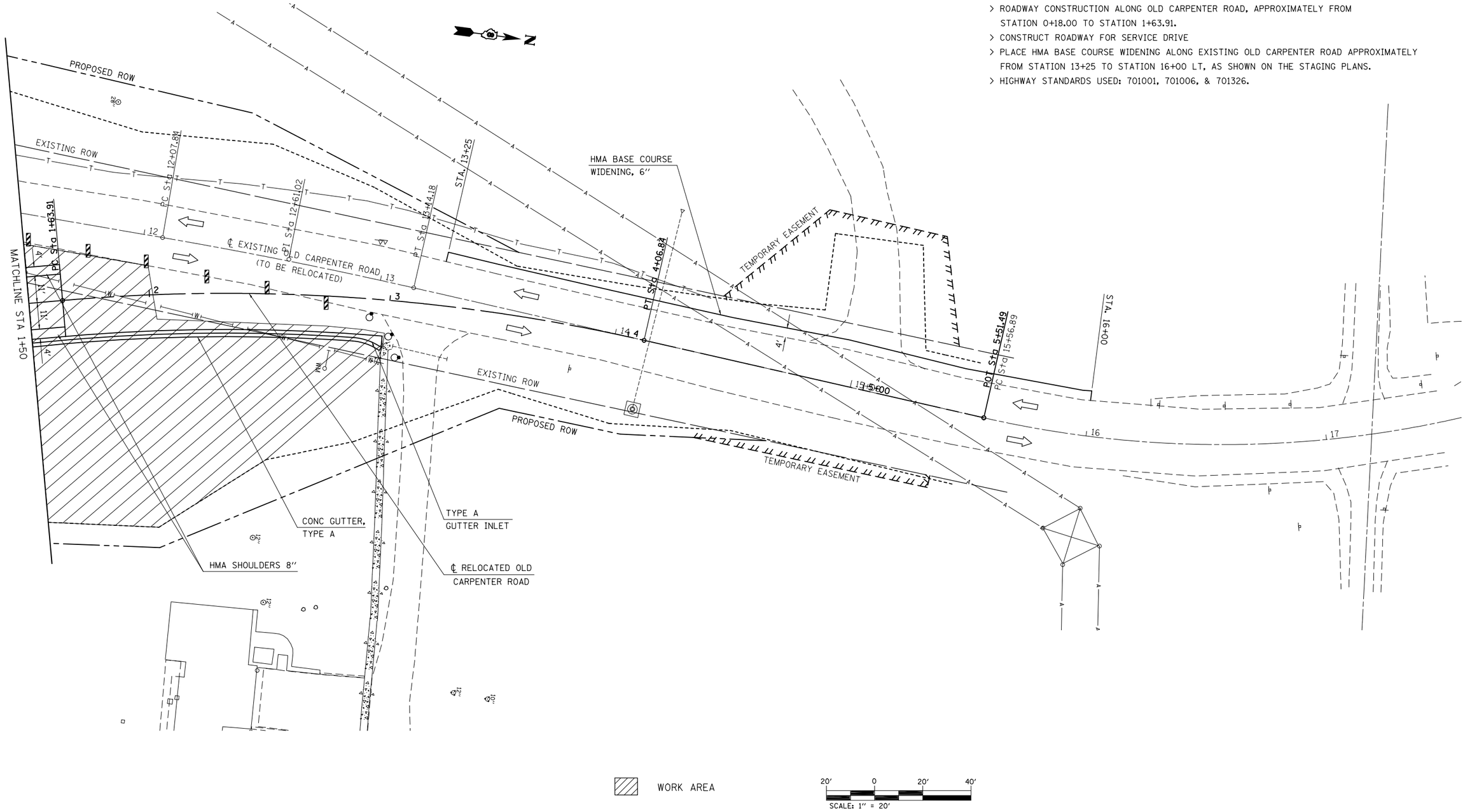
STAGE IA CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	27
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE 1A

- > EARTH REMOVAL FOR NEW ALIGNMENT ON RELOCATED OLD CARPENTER ROAD FROM IL 157 TO PRIVATE ENTRANCE, APPROXIMATE STATION 0+60 TO STATION 3+15.
- > ALL DRUMS AND VERTICAL PANELS ARE PLACED AT 25' CENTERS.
- > REMOVED EARTH TO BE FOR THE EMBANKMENT OF THE SERVICE DRIVE.
- > REMOVE EXISTING INLET (EXISTING STA. 10+56.5).
- > PLACE PROPOSED INLET AND PIPE CULVERT UNDER NEW ALIGNMENT.
- > CONSTRUCTION OF CONCRETE GUTTER, TYPE A ALONG CARPENTER ROAD.
- > ROADWAY CONSTRUCTION ALONG OLD CARPENTER ROAD, APPROXIMATELY FROM STATION 0+18.00 TO STATION 1+63.91.
- > CONSTRUCT ROADWAY FOR SERVICE DRIVE
- > PLACE HMA BASE COURSE WIDENING ALONG EXISTING OLD CARPENTER ROAD APPROXIMATELY FROM STATION 13+25 TO STATION 16+00 LT, AS SHOWN ON THE STAGING PLANS.
- > HIGHWAY STANDARDS USED: 701001, 701006, & 701326.



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		DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

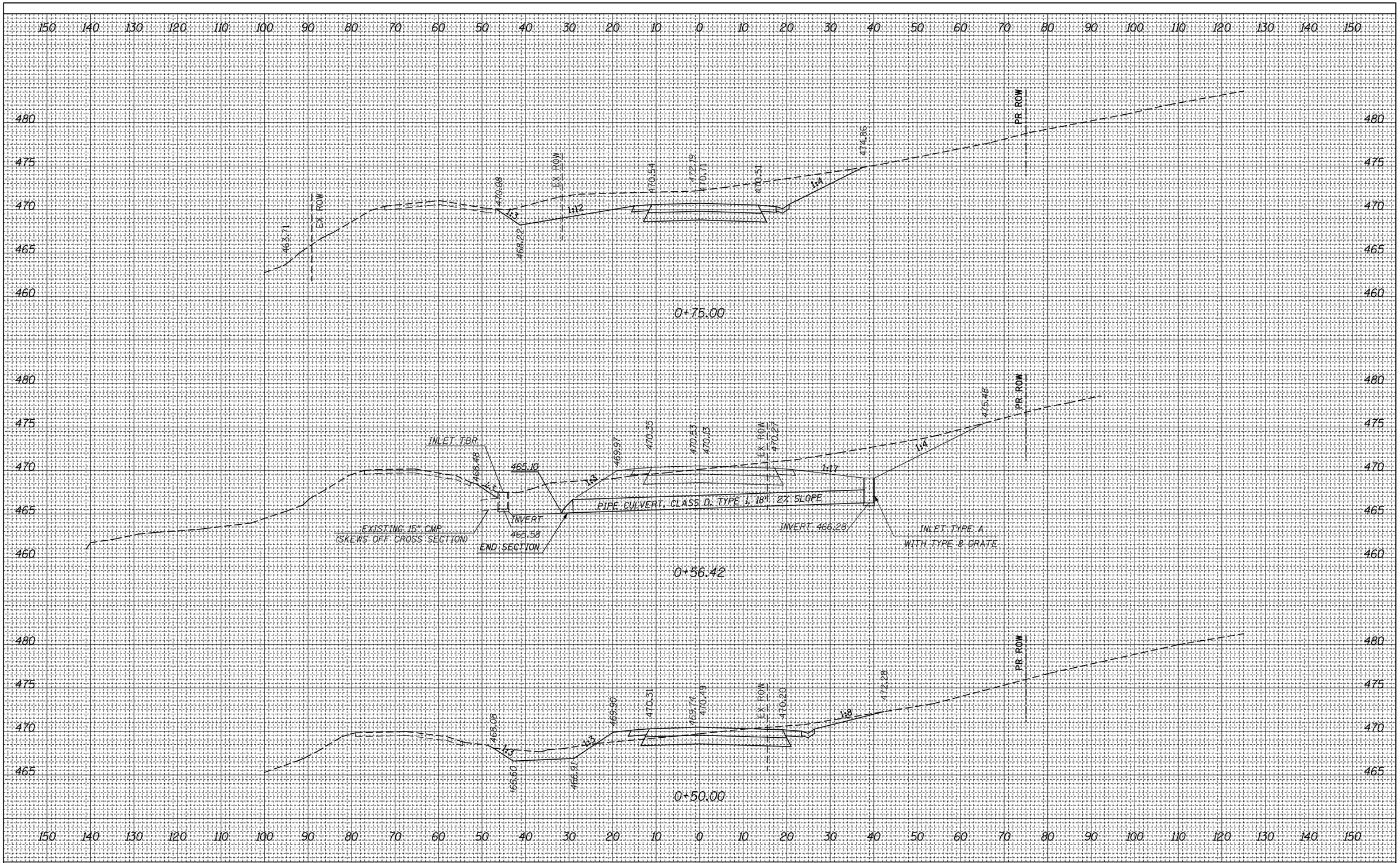
STAGE IA CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	28
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
PAGE NOS.	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
PAGE NOS.	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

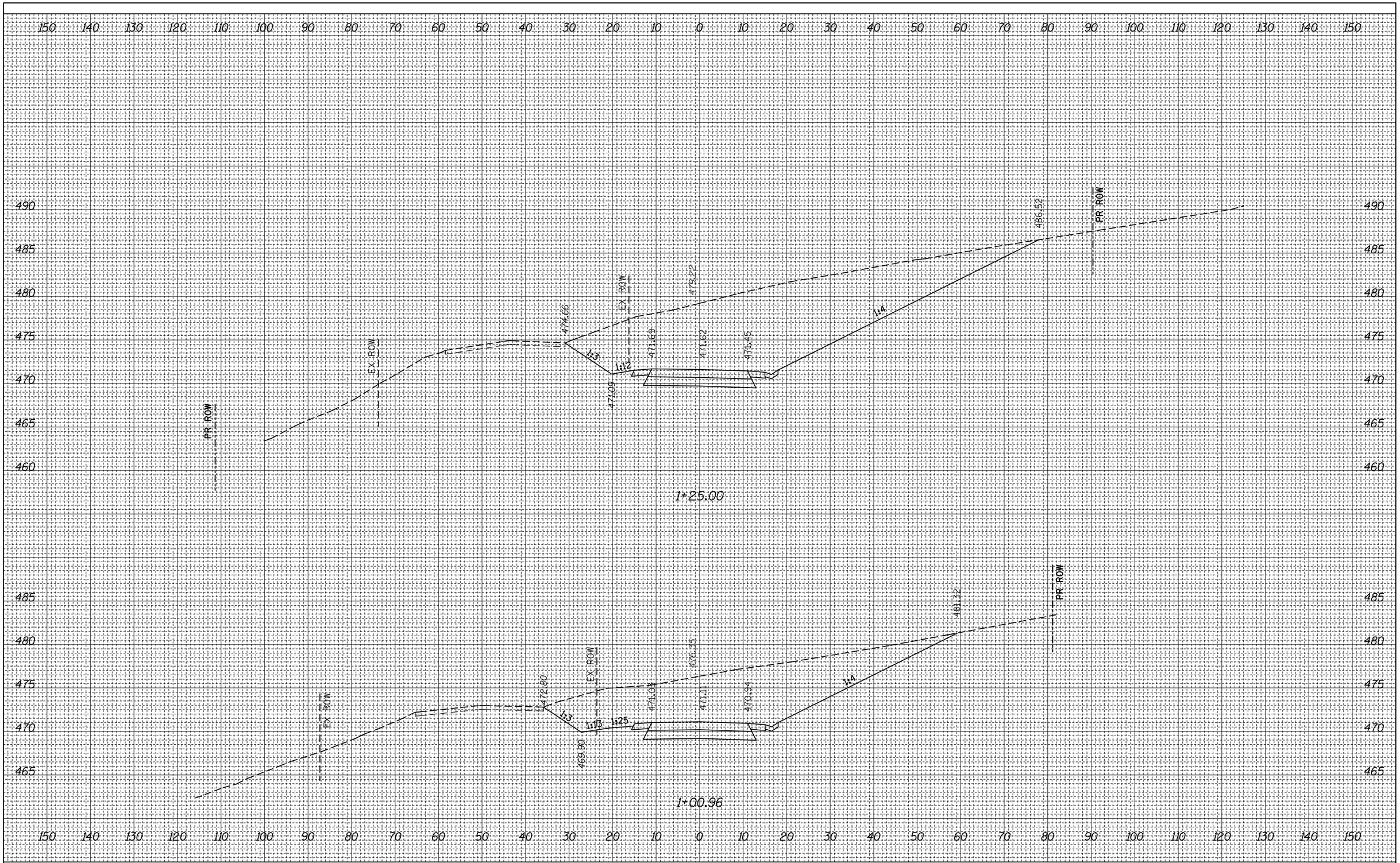
STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 1 OF 7 SHEETS | STA. 0+50.00 | TO STA. 0+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	29
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

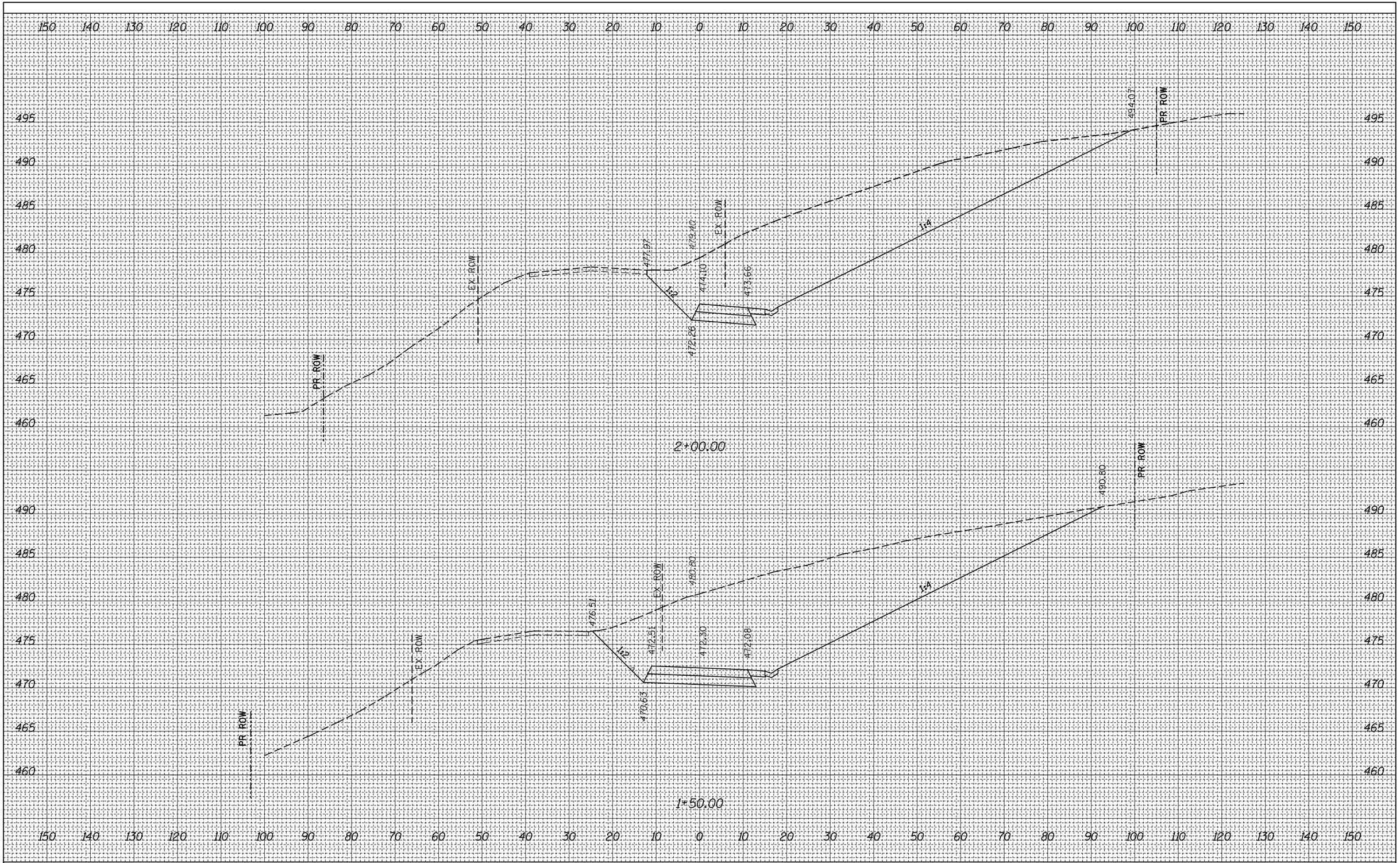
STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 2 OF 7 SHEETS | STA. 1+00.96 | TO STA. 1+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	30
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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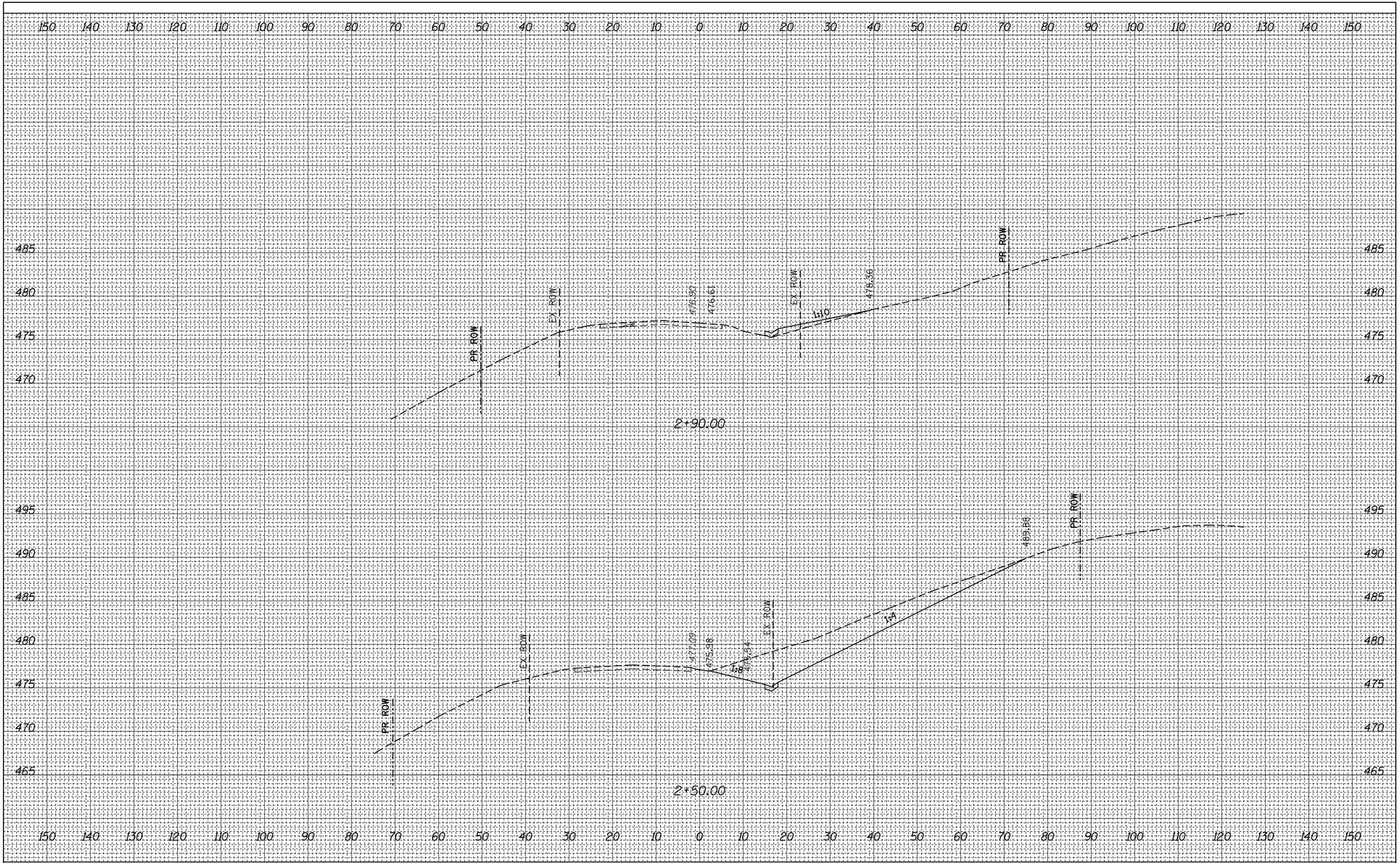
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 3 OF 7 SHEETS | STA. 1+50.00 | TO STA. 2+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	31
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

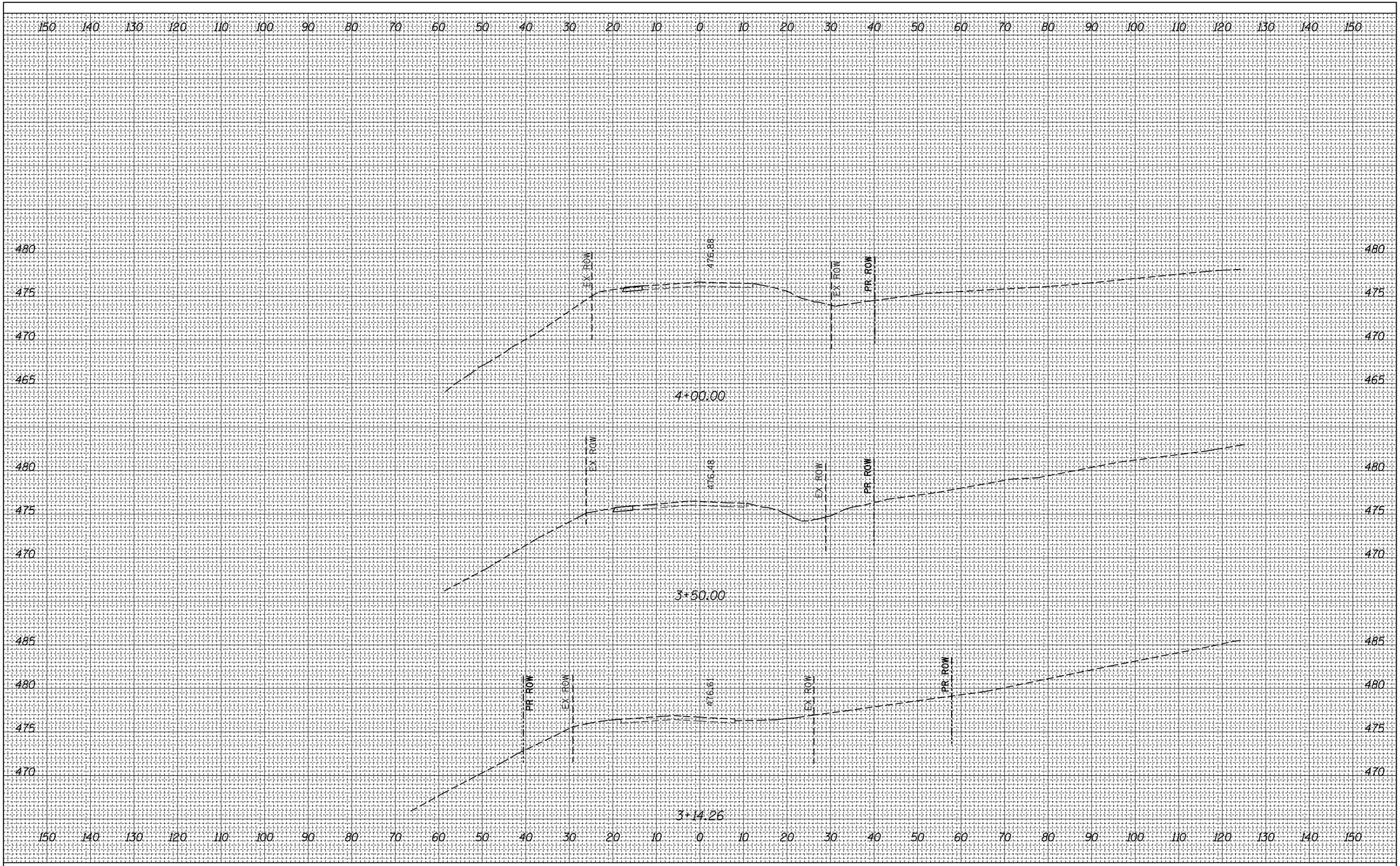
STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 4 OF 7 SHEETS | STA. 2+50.00 | TO STA. 2+90.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	32
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	ANGLES		
	AREAS CHECKED		



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

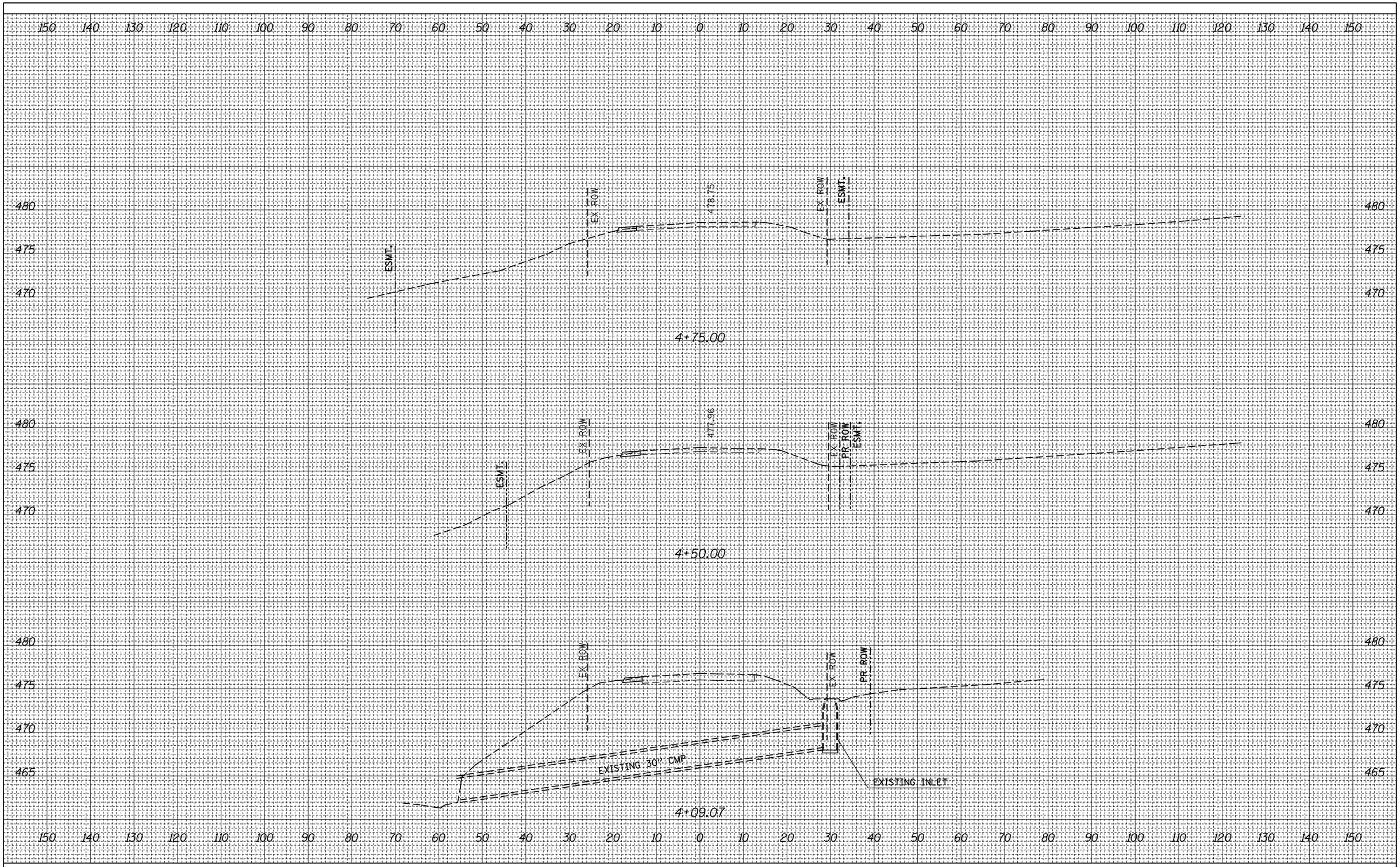
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 5 OF 7 SHEETS | STA. 3+14.26 TO STA. 4+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	33
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		BY
PLOTTED		
TEMPLATE		
ANGLES		
AREAS CHECKED		DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		BY
PLOTTED		
TEMPLATE		
ANGLES		
AREAS CHECKED		DATE

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	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 6 OF 7 SHEETS | STA. 4+09.07 | TO STA. 4+75.00

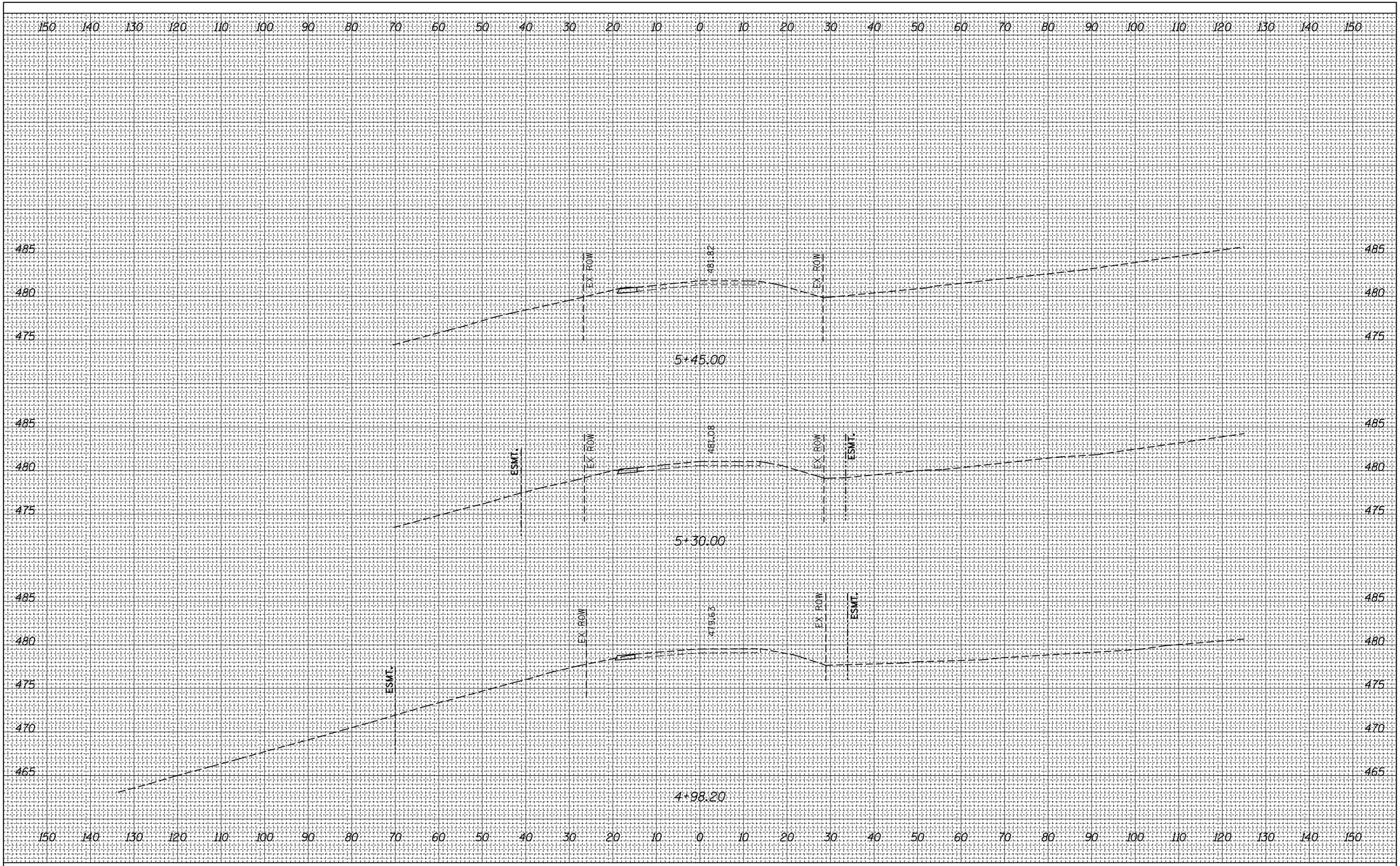
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	34
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

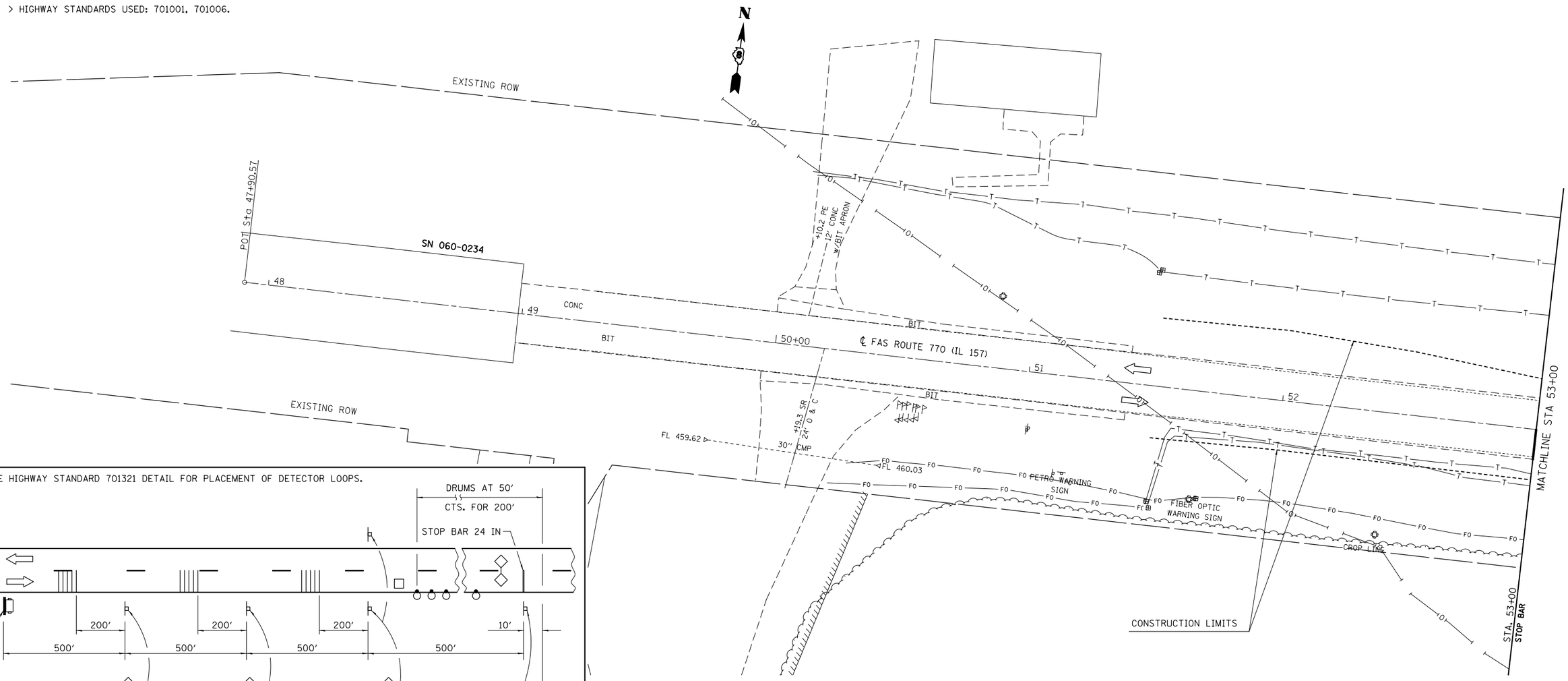
STAGE IA CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 7 OF 7 SHEETS | STA. 4+98.20 | TO STA. 5+45.00

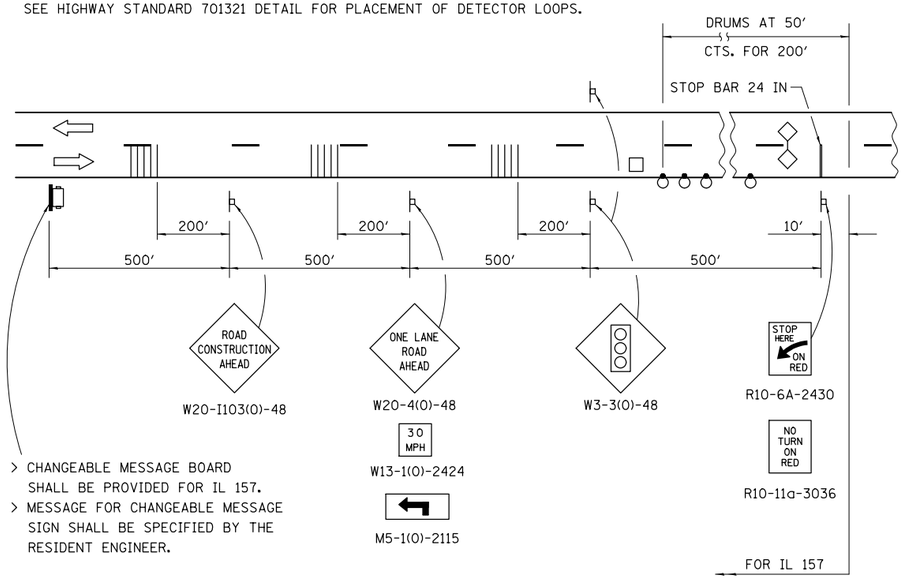
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	35
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE IB

> PLACE STOP BARS (3 LOCATIONS) AS SHOWN ON STAGING PLANS.
> REMOVE ALL CONFLICTING PAVEMENT MARKING (ON OLD CARPENTER ROAD).
> SET UP TRAFFIC CONTROL ON IL 157 AND OLD CARPENTER ROAD AS SHOWN ON THE STAGING PLANS.
> ALL VERTICAL PANELS PLACED ON 25' CENTERS.
> COMPLETE PAVEMENT AND SHOULDER FOR NORTHBOUND LANE OF RELOCATD OLD CARPENTER ROAD FROM STA. 1+63.91 TO STA. 5+51.49 AND ANY OTHER NECESSARY WORK ON OLD CARPENTER ROAD.
> COMPLETE ALL WORK NECESSARY FOR THE SERVICE DRIVE.
> HIGHWAY STANDARDS USED: 701001, 701006.



SEE HIGHWAY STANDARD 701321 DETAIL FOR PLACEMENT OF DETECTOR LOOPS.



> CHANGEABLE MESSAGE BOARD SHALL BE PROVIDED FOR IL 157.
> MESSAGE FOR CHANGEABLE MESSAGE SIGN SHALL BE SPECIFIED BY THE RESIDENT ENGINEER.

20' 0 20' 40'
SCALE: 1" = 20'

SYMBOLS

- VERTICAL PANELS
- SIGN
- TYPE III BARRICADE
- TRAFFIC SIGNAL
- WORK AREA
- DETECTOR LOOPS
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY RUMBLE STRIP
- PORTABLE CHANGEABLE MESSAGE SIGN
- PAVEMENT REMOVAL

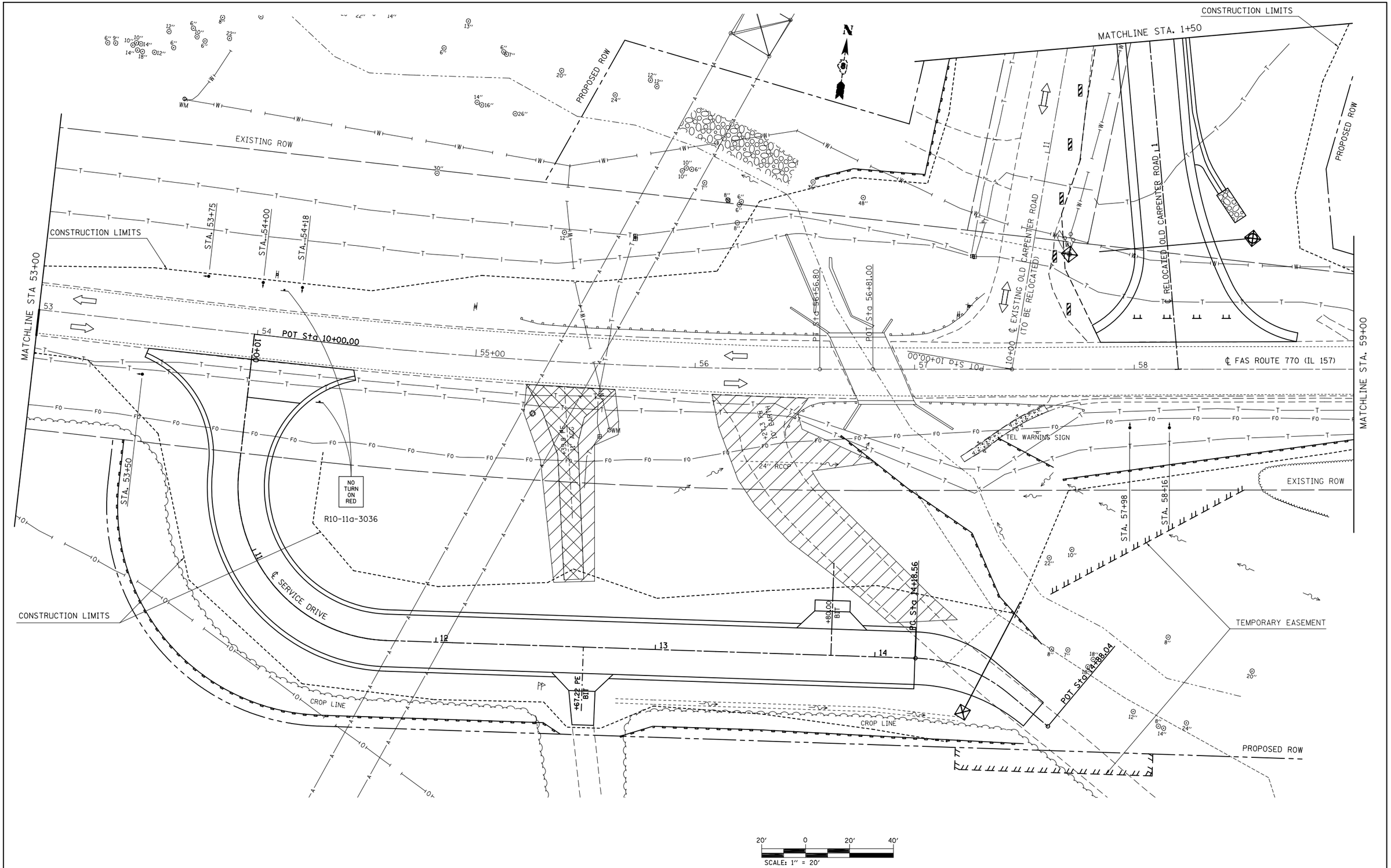
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	DRAWN -		REVISED -
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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IB CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 1 OF 4 SHEETS | STA. 47+90.57 | TO STA. 53+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	36
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



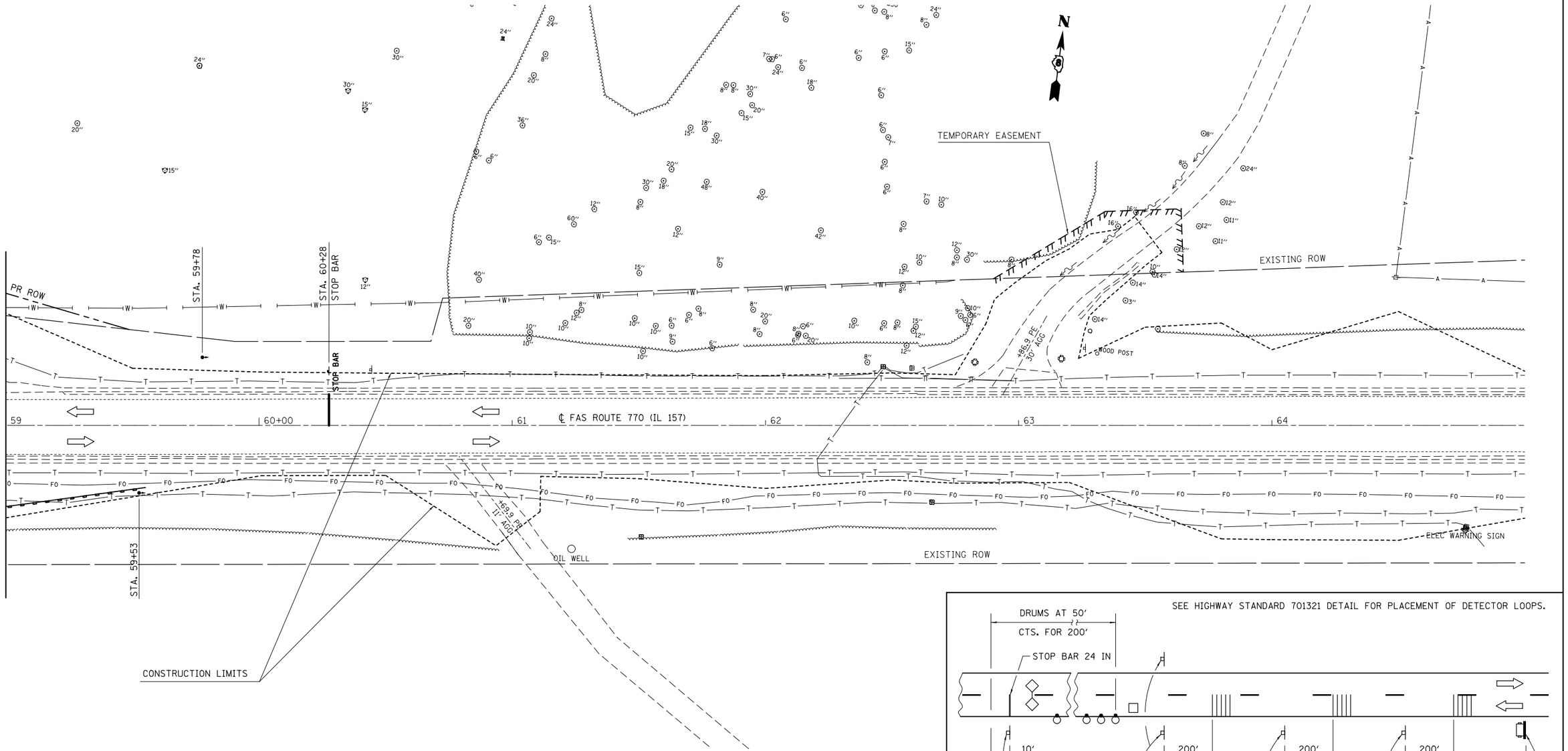
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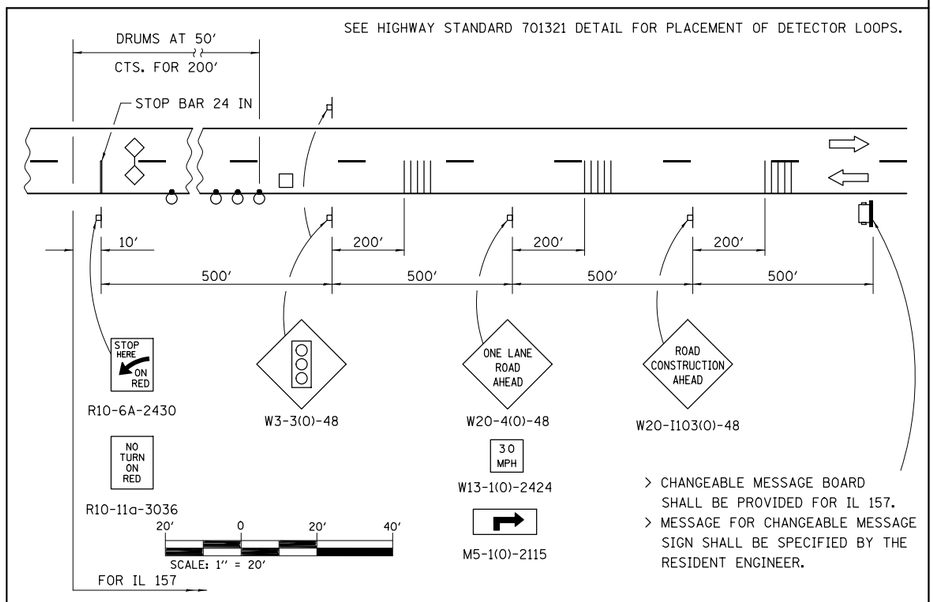
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IB CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 2 OF 4 SHEETS | STA. 53+00 TO STA. 59+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	37
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			





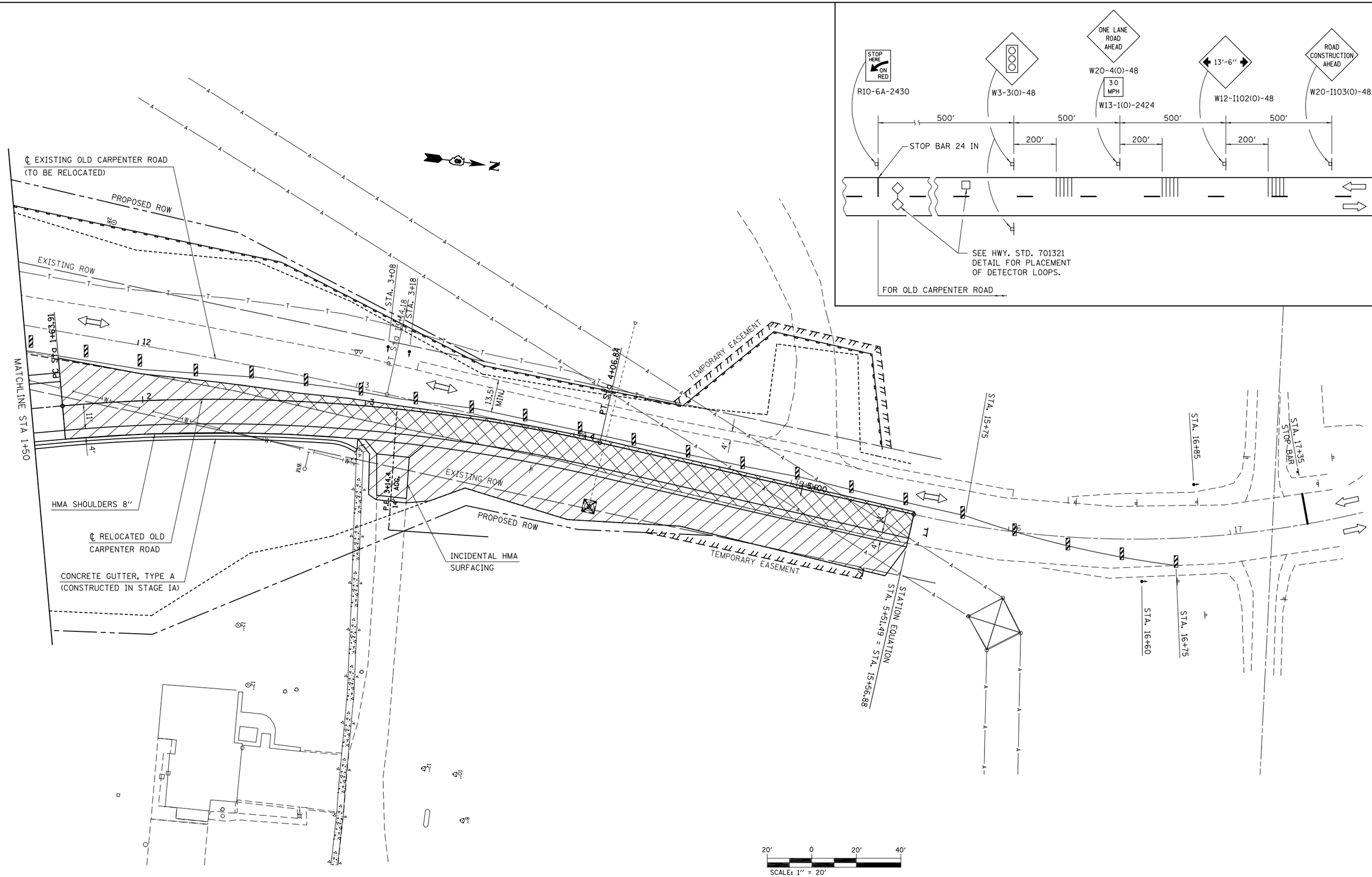
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IB CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 3 OF 4 SHEETS | STA. 59+00 | TO STA. 65+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	38
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



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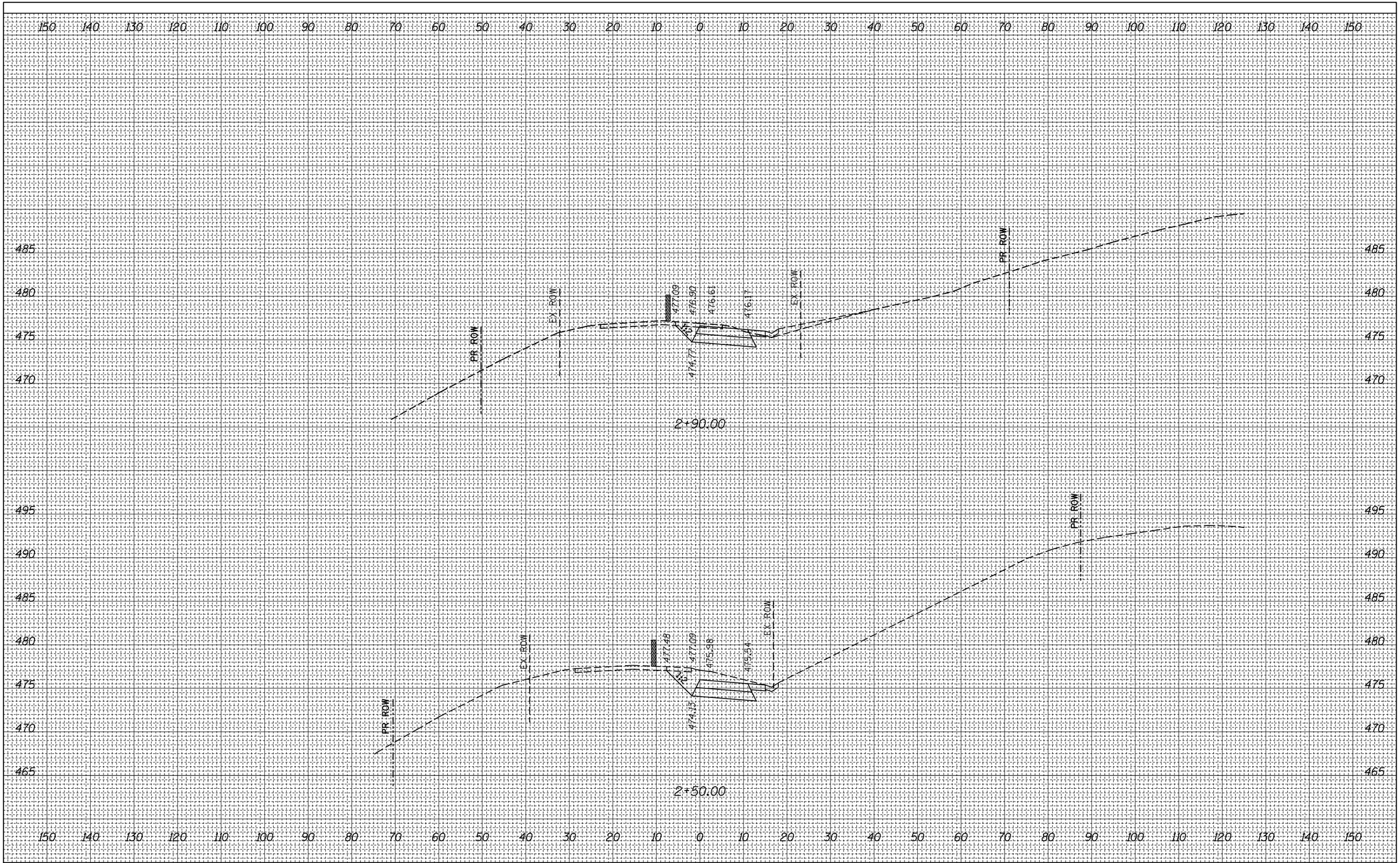
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IB CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 4 OF 4 SHEETS | STA. 1+50 TO STA. 5+51.49

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	39
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NO.	BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			



ORIGINAL SURVEY	NO.	BY	DATE
NOTE BOOK			
SURVEYED			
PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

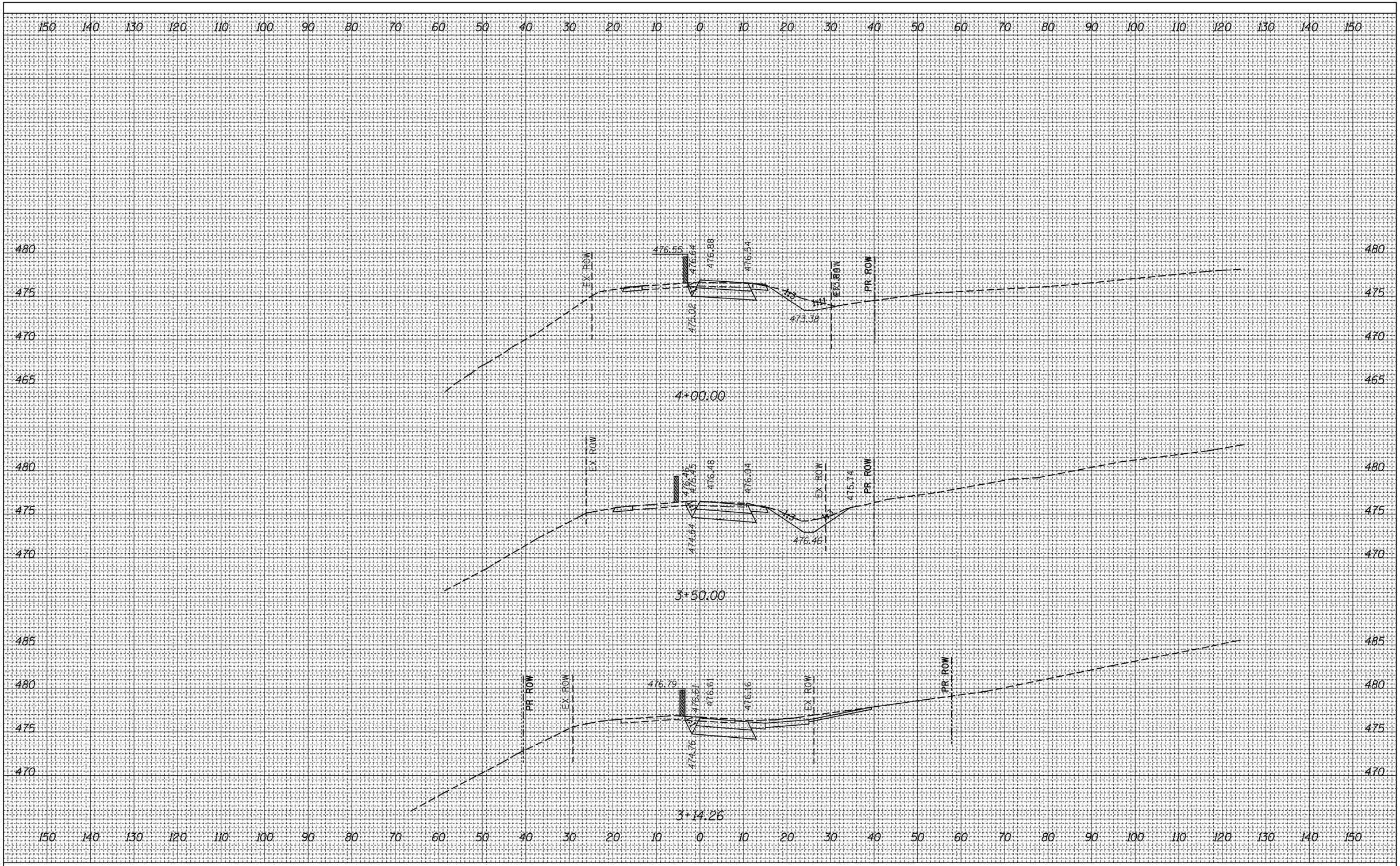
STAGE 1B CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 1 OF 4 SHEETS | STA. 2+50.00 TO STA. 2+90.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	40
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	
	AREAS	AREAS CHECKED
	TEMPLATE	
	PLOTTED	
	SURVEYED	
NO.	BY	DATE

ORIGINAL SURVEY	NOTE BOOK	
	AREAS	AREAS CHECKED
	TEMPLATE	
	PLOTTED	
	SURVEYED	
NO.	BY	DATE



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1B CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 2 OF 4 SHEETS | STA. 3+14.26 TO STA. 4+00.00

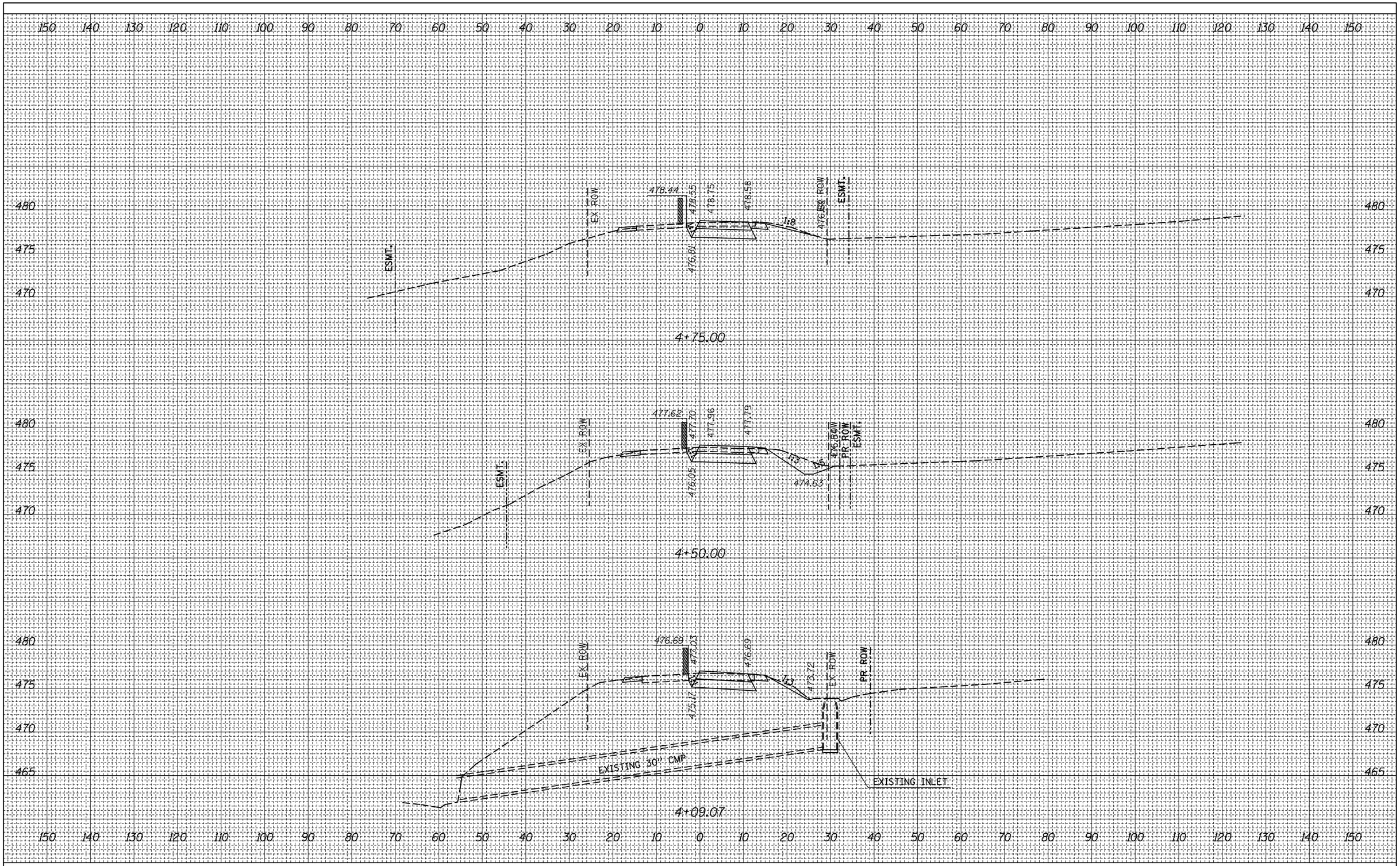
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	41
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1B CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 3 OF 4 SHEETS | STA. 4+09.07 | TO STA. 4+75.00

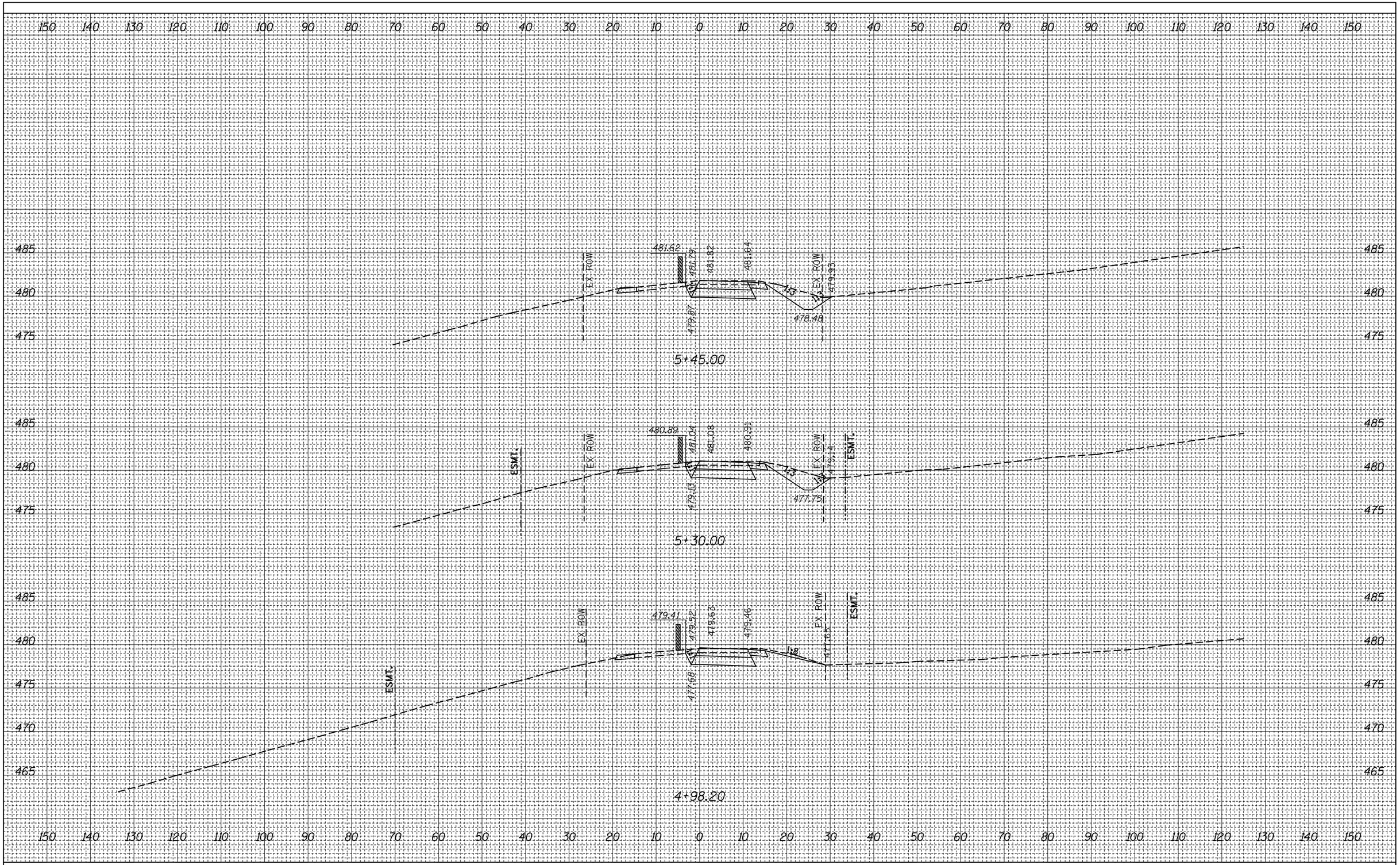
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	42
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

BY	DATE



FILE NAME =	USER NAME = harbaughrd	DESIGNED -	REVISED -
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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

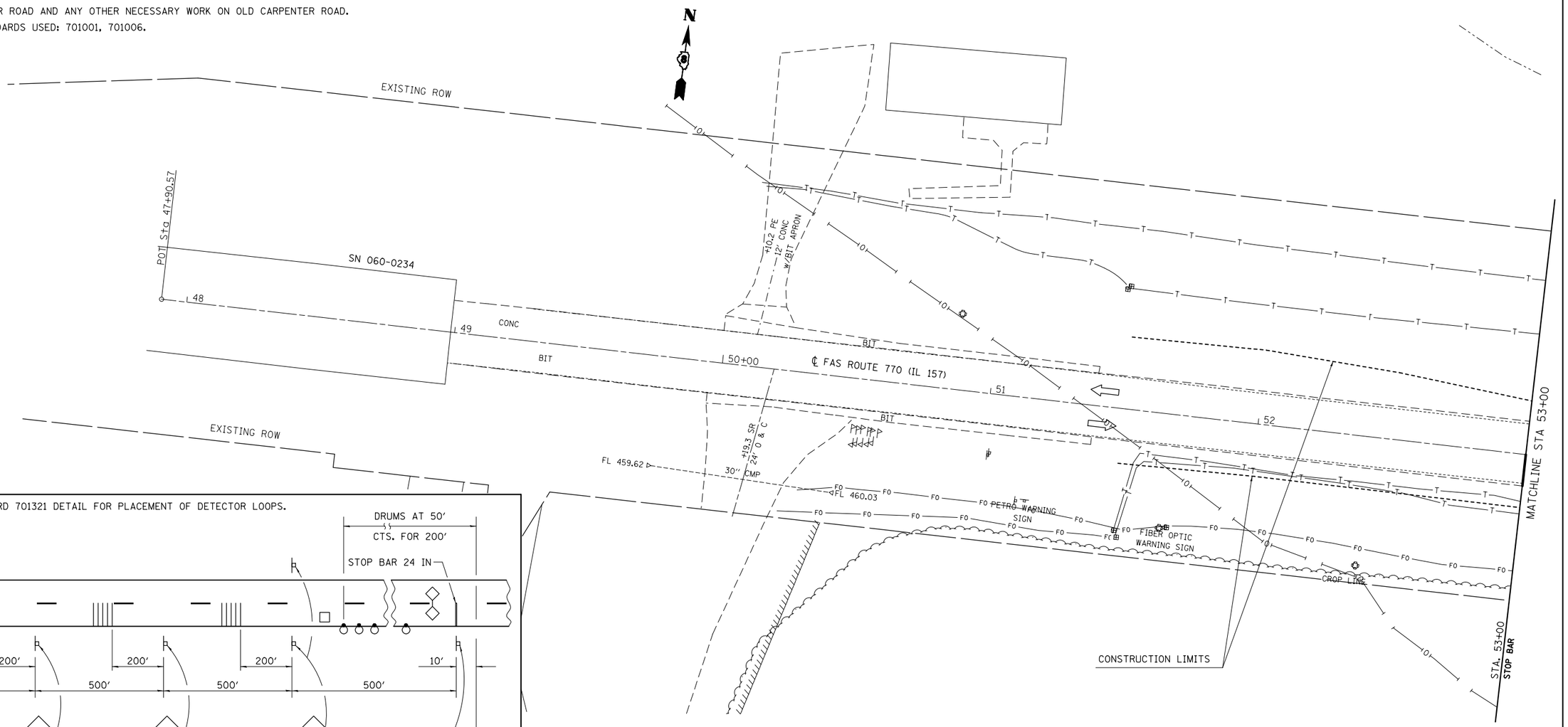
STAGE 1B CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 4 OF 4 SHEETS | STA. 4+98.20 | TO STA. 5+45.00

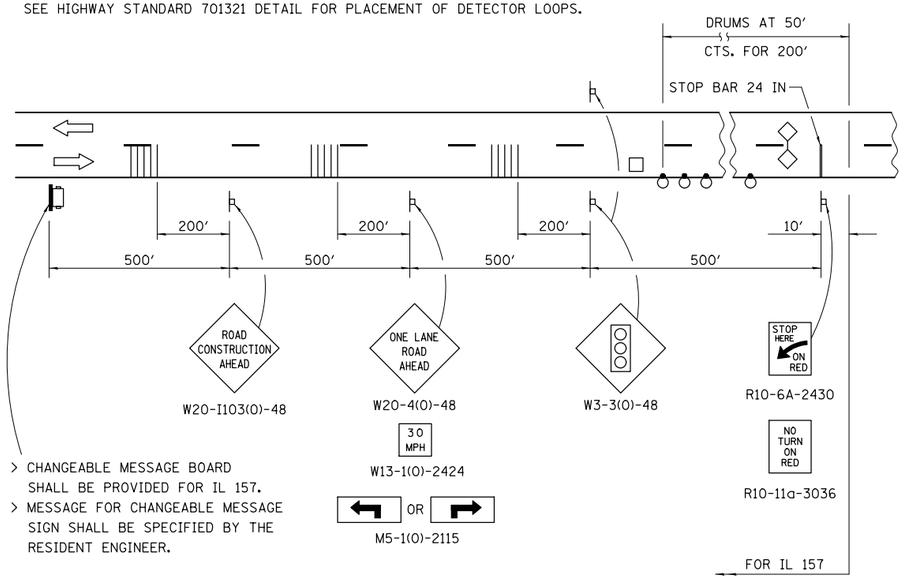
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	43
		CONTRACT NO. 76401		
		ILLINOIS	FED. AID PROJECT	

SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE IC

> ALL DRUMS AND VETICAL PANELS ON 25' CENTERS.
> SWITCH TRAFFIC ONTO NEWLY CONSTRUCTED NORTHBOUND LANE OF RELOCATED OLD CARPENTER ROAD AS SHOWN ON THE STAGING PLANS.
> REMOVE EXSTING PORTION OF OLD CARPENTER ROAD AS SHOWN IN THE PLANS, INCLUNDING EXISTING PIPE CULVERT (EXISTING STA. 10+56.5) AND INLET.
> COMPLETE EARTHWORK FOR SOUTHBOUND LANE OF RELOCATED OLD CARPENTER ROAD.
> PLACE NEW PAVEMENT, SHOULDER, AND ENTRANCES TO COMPLETE THE WORK ON RELOCATED OLD CARPENTER ROAD AND ANY OTHER NECESSARY WORK ON OLD CARPENTER ROAD.
> HIGHWAY STANDARDS USED: 701001, 701006.



SEE HIGHWAY STANDARD 701321 DETAIL FOR PLACEMENT OF DETECTOR LOOPS.



> CHANGEABLE MESSAGE BOARD SHALL BE PROVIDED FOR IL 157.
> MESSAGE FOR CHANGEABLE MESSAGE SIGN SHALL BE SPECIFIED BY THE RESIDENT ENGINEER.

20' 0 20' 40'
SCALE: 1" = 20'

SYMBOLS

- VERTICAL BARRICADE
- SIGN
- TYPE III BARRICADE
- TRAFFIC SIGNAL
- DETECTOR LOOPS
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY RUMBLE STRIP
- PORTABLE CHANGEABLE MESSAGE SIGN

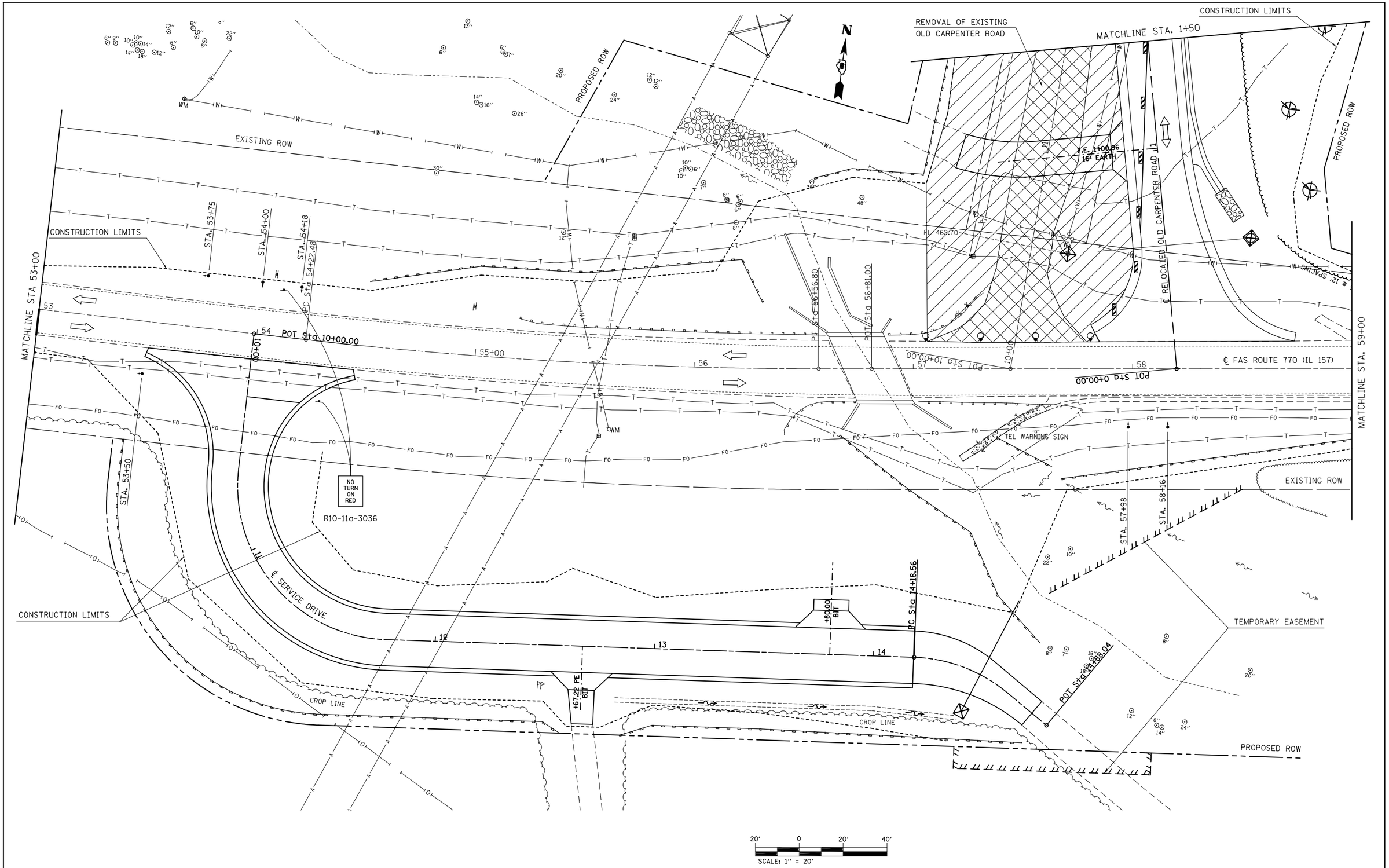
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

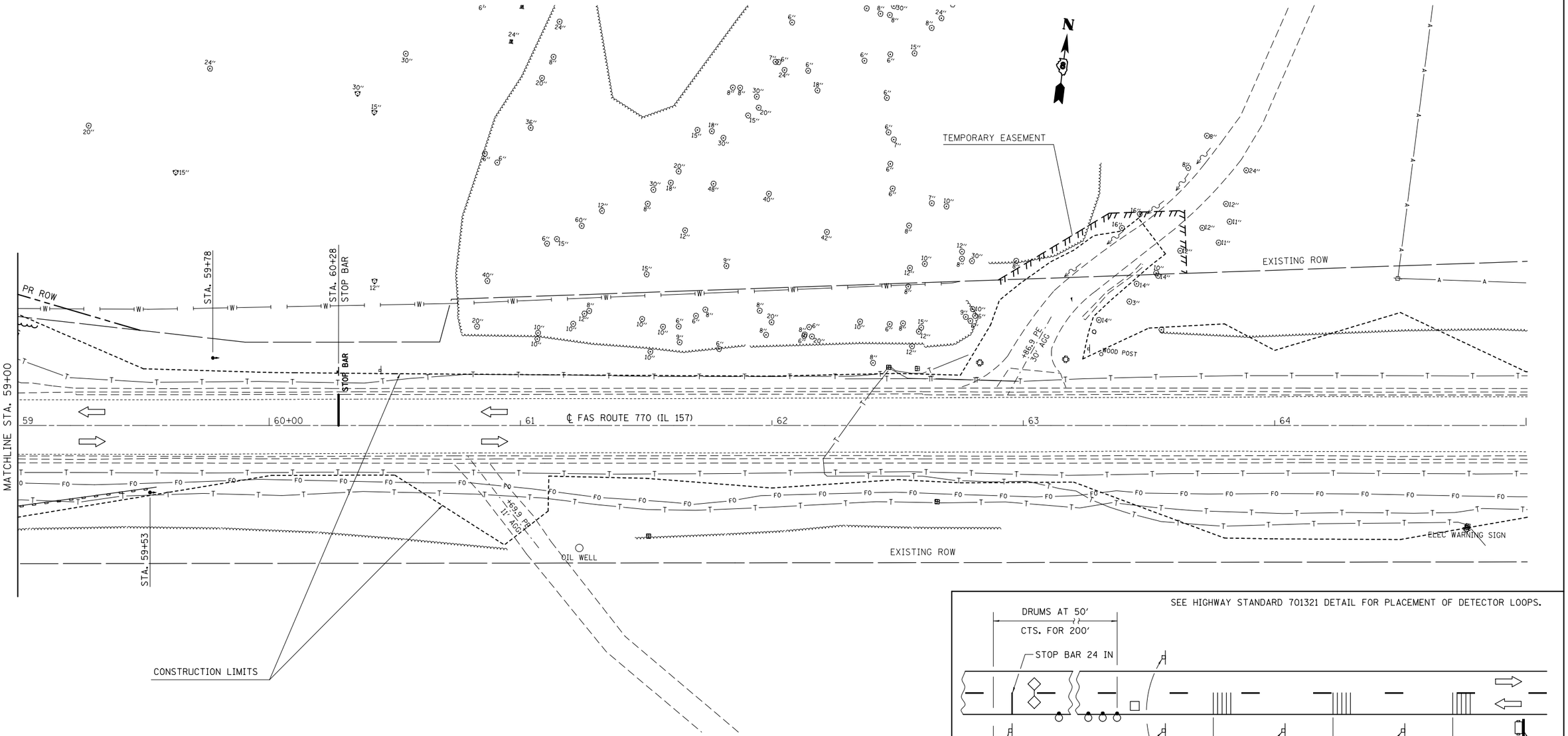
STAGE IC CONSTRUCTION SHEET

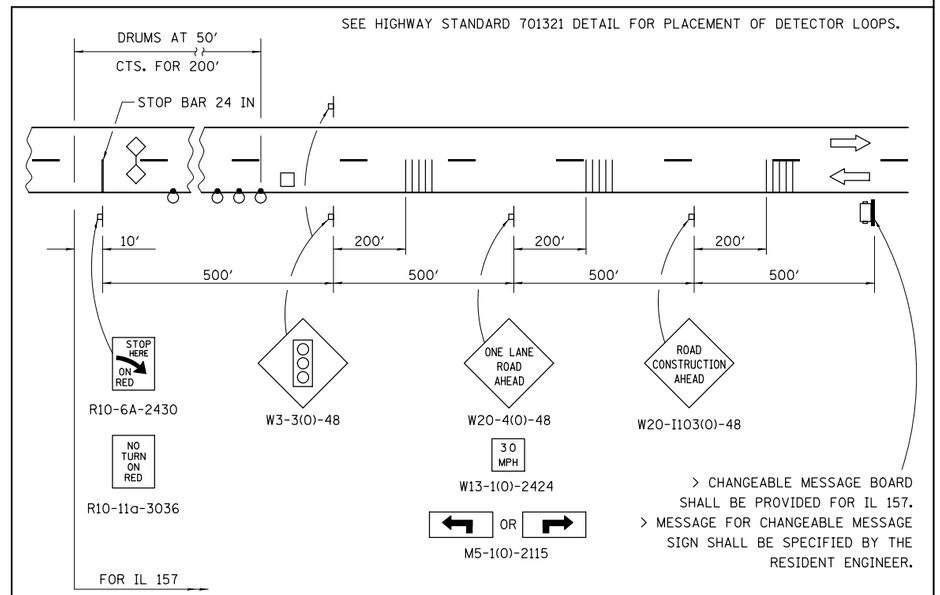
SCALE: 1" = 20' | SHEET 1 OF 4 SHEETS | STA. 47+90.57 | TO STA. 53+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	44
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



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		DRAWN -	REVISED -					770	64-1BR	MADISON	137	45
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 76401		
	PLOT DATE = 2/9/2012	DATE -	REVISED -		SCALE: 1" = 20'	SHEET 2 OF 4 SHEETS	STA. 53+00 TO STA. 59+00			ILLINOIS	FED. AID PROJECT	





20' 0 20' 40'
SCALE: 1" = 20'

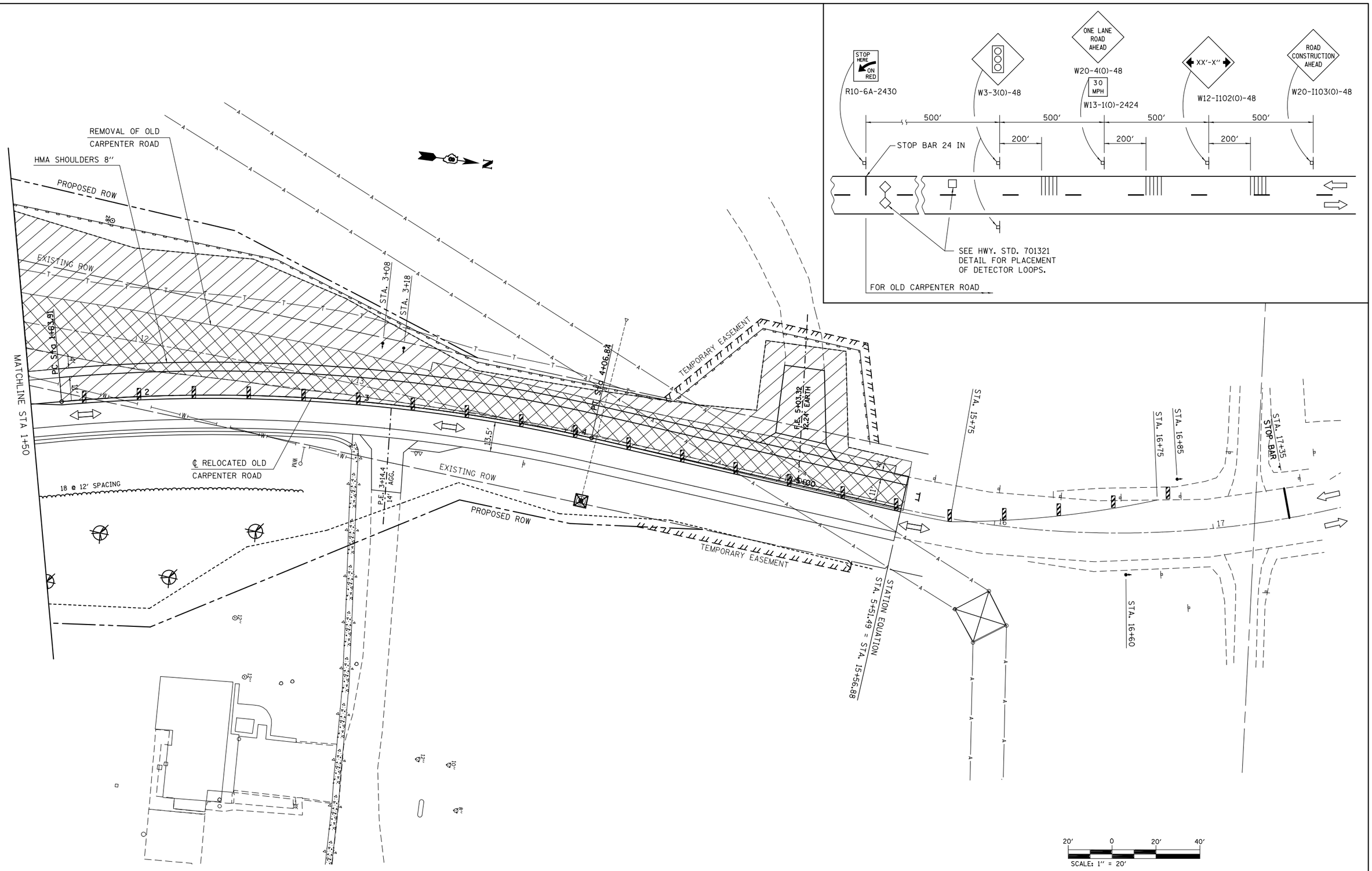
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		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IC CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 3 OF 4 SHEETS | STA. 59+00 TO STA. 65+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	46
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

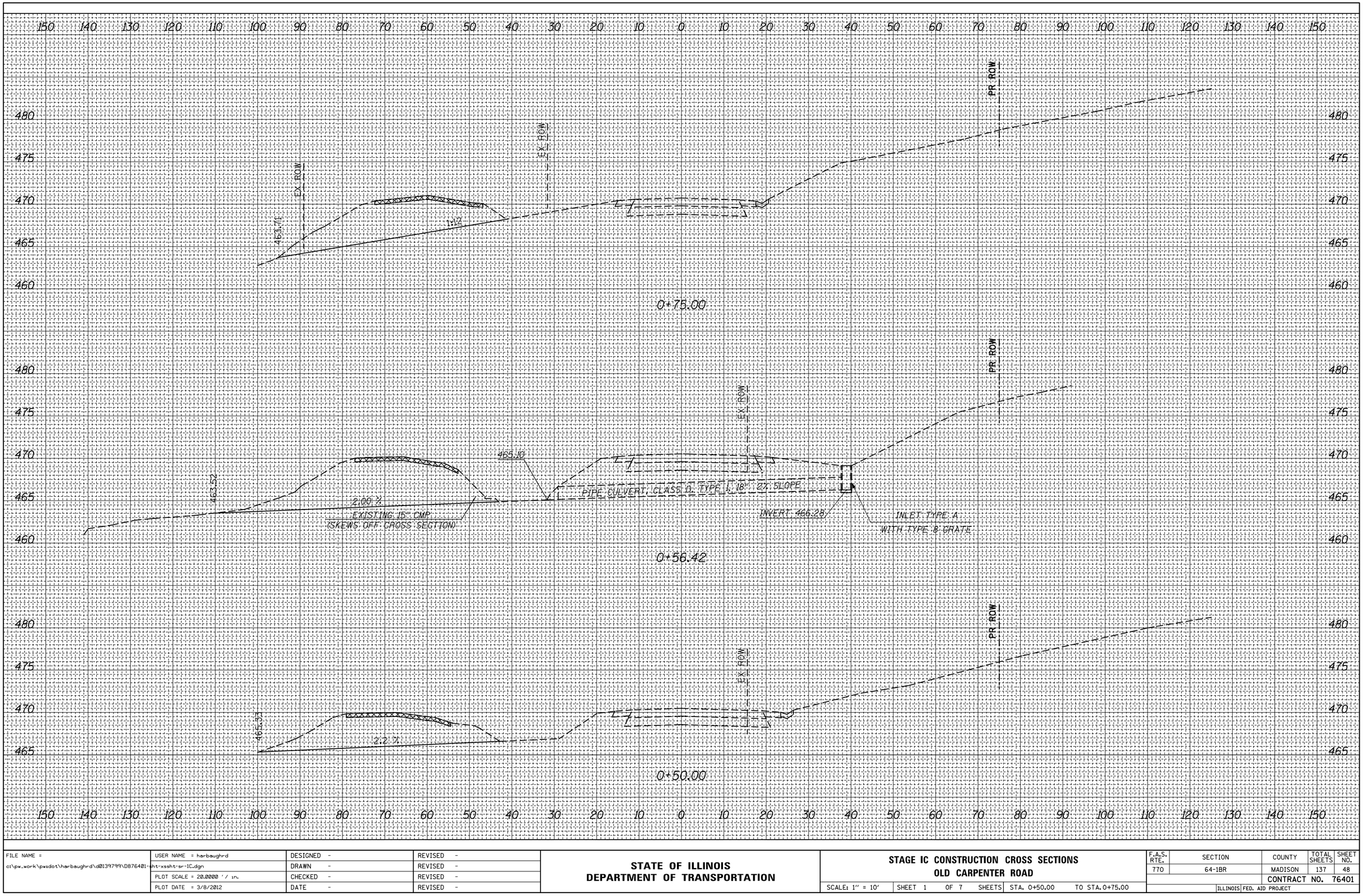


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		DRAWN -	REVISED -		
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -		
	PLOT DATE = 3/8/2012	DATE -	REVISED -		SCALE: 1'' = 20' | SHEET 4 OF 4 SHEETS | STA. 1+50 TO STA. 5+51.49

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	47
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		DATE



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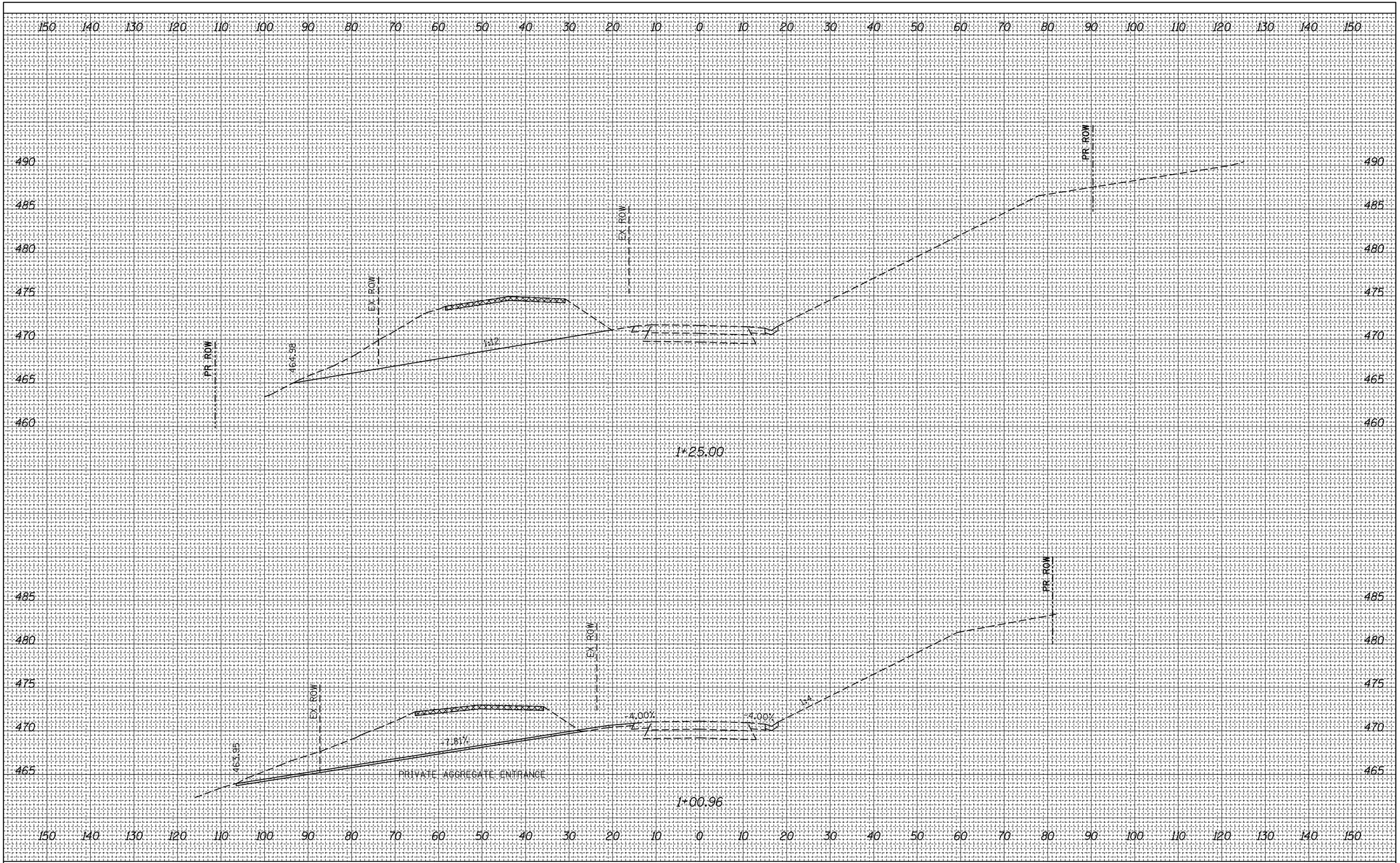
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 1 OF 7 SHEETS | STA. 0+50.00 | TO STA. 0+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	48
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NO.	NOTE BOOK	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE



ORIGINAL SURVEY	NO.	NOTE BOOK	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE

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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 2 OF 7 SHEETS | STA. 1+00.96 | TO STA. 1+25.00

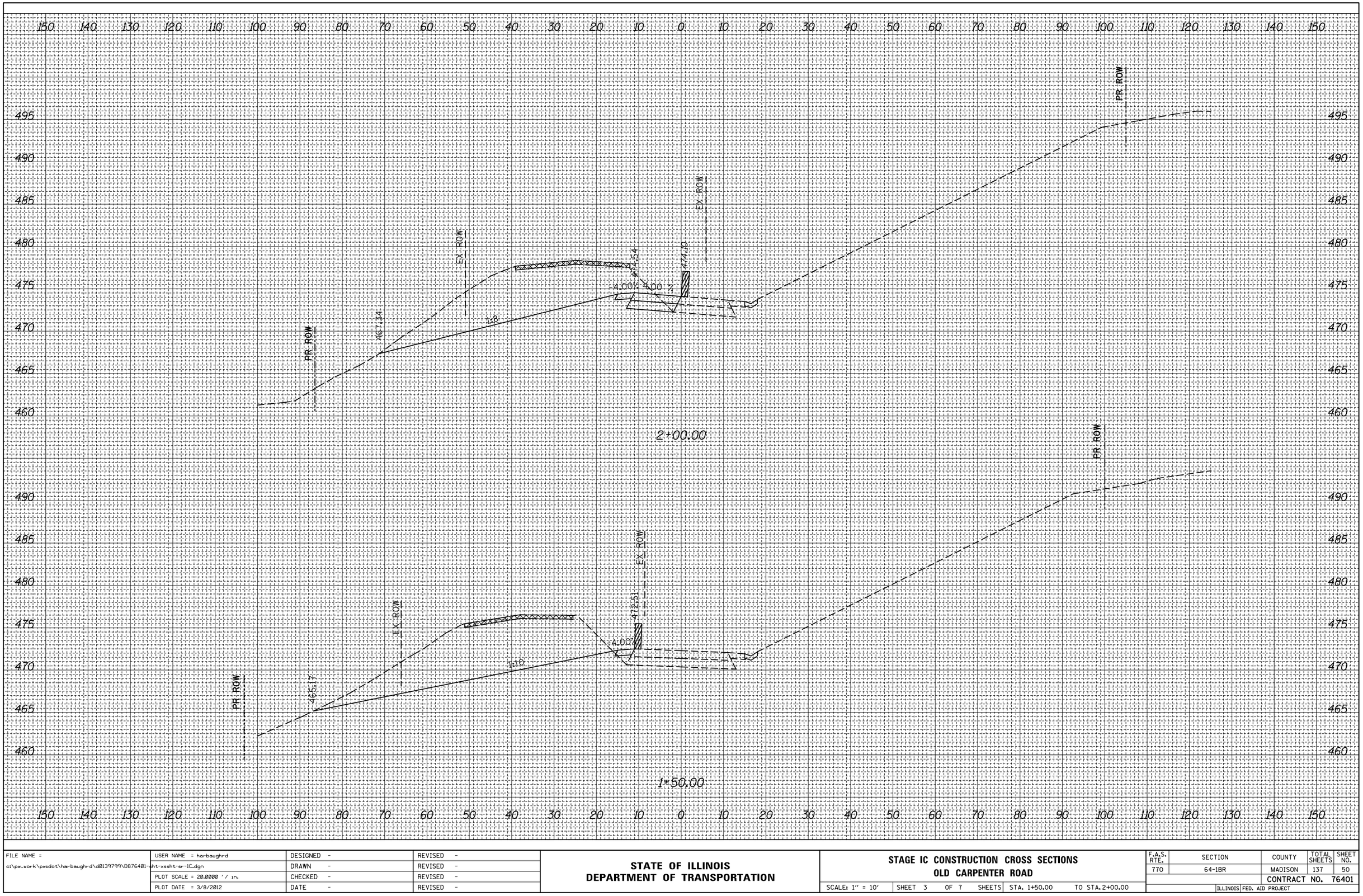
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	49
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	AREAS	AREAS CHECKED
PLOTTED		
TEMPLATE		
AREAS		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	AREAS	AREAS CHECKED
PLOTTED		
TEMPLATE		
AREAS		

BY	DATE



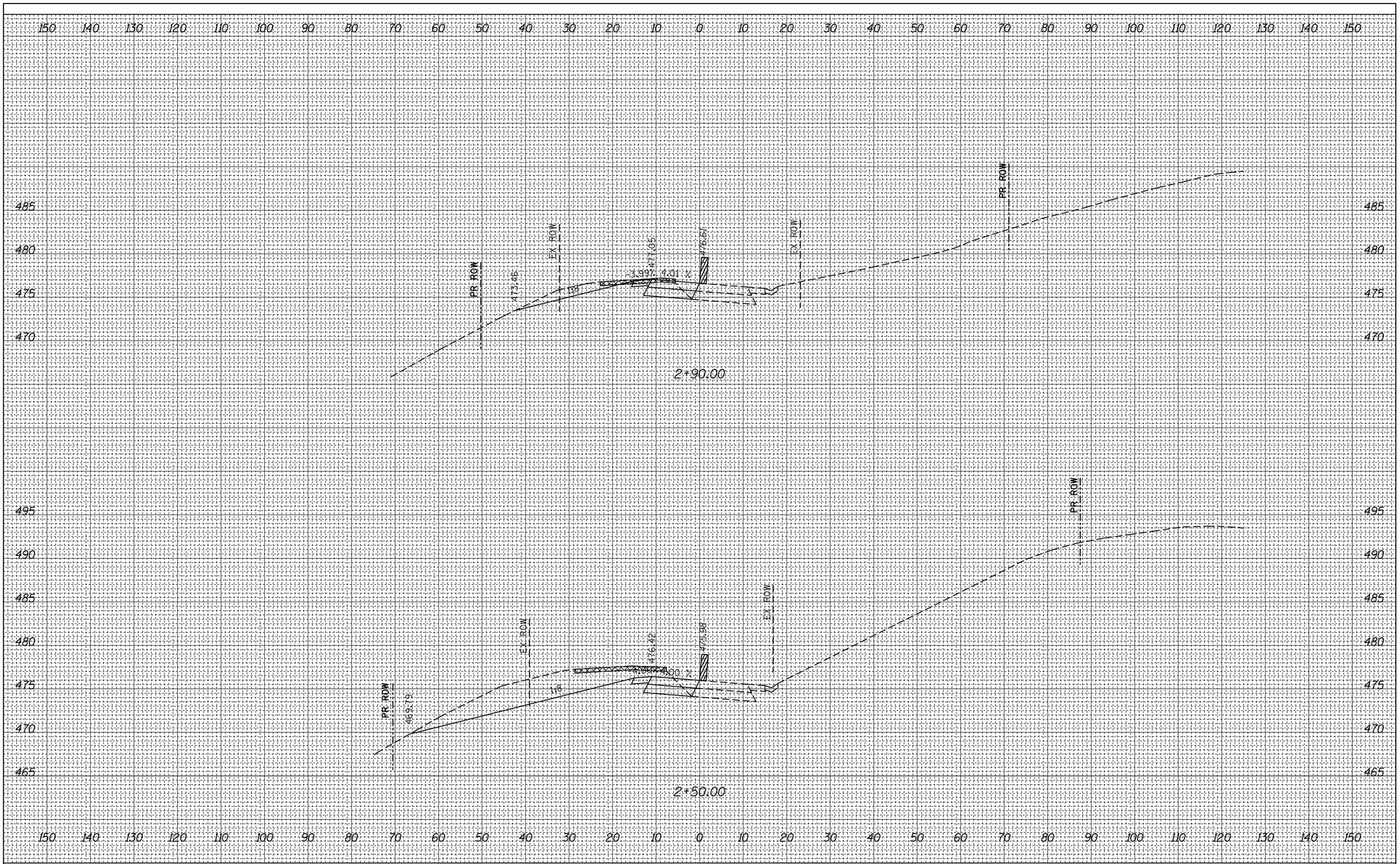
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 3 OF 7 SHEETS | STA. 1+50.00 | TO STA. 2+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	50
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

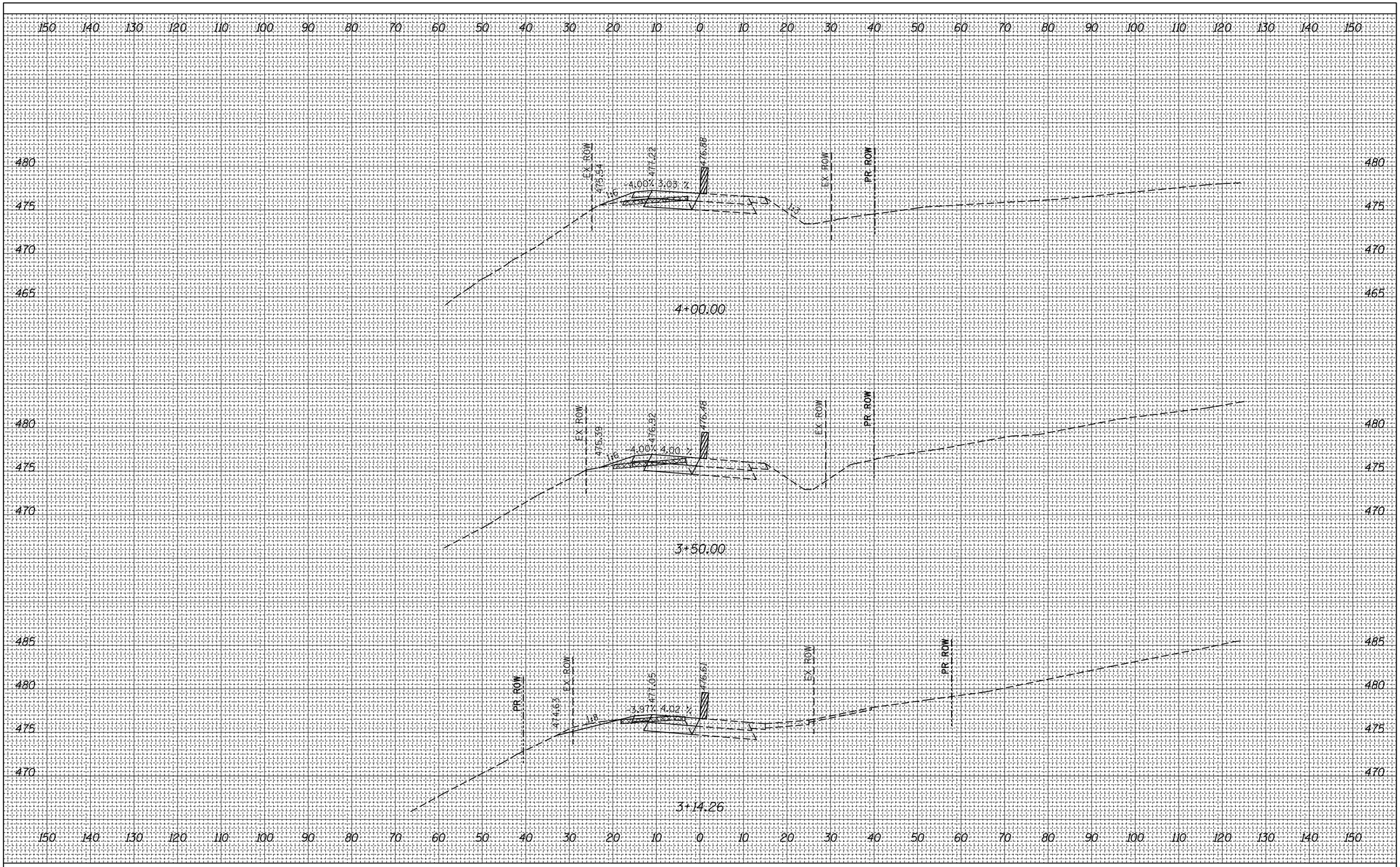
STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 4 OF 7 SHEETS | STA. 2+50.00 TO STA. 2+90.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	51
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 5 OF 7 SHEETS | STA. 3+14.26 | TO STA. 4+00.00

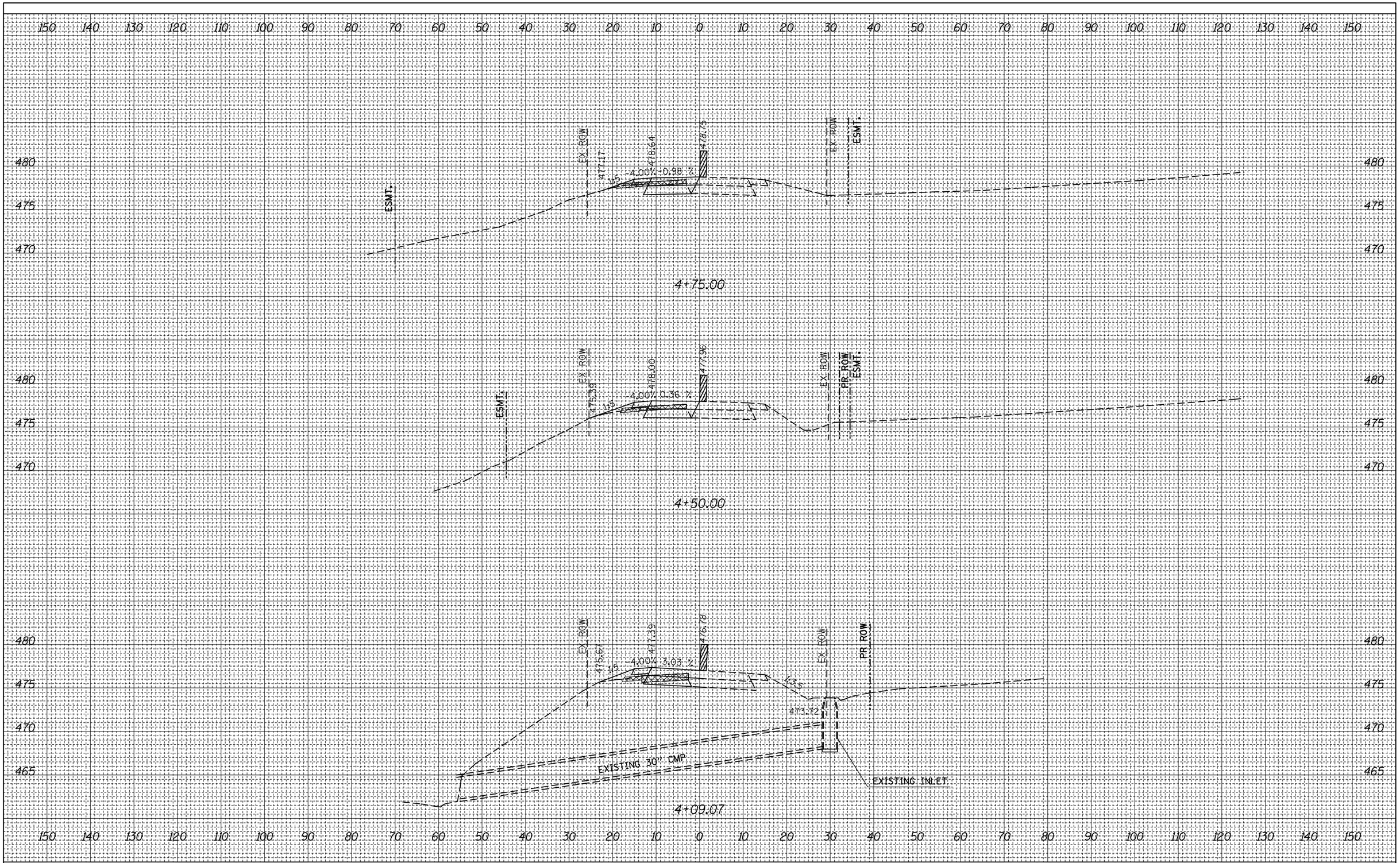
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770	64-1BR	MADISON	137	52
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 6 OF 7 SHEETS | STA. 4+09.07 | TO STA. 4+75.00

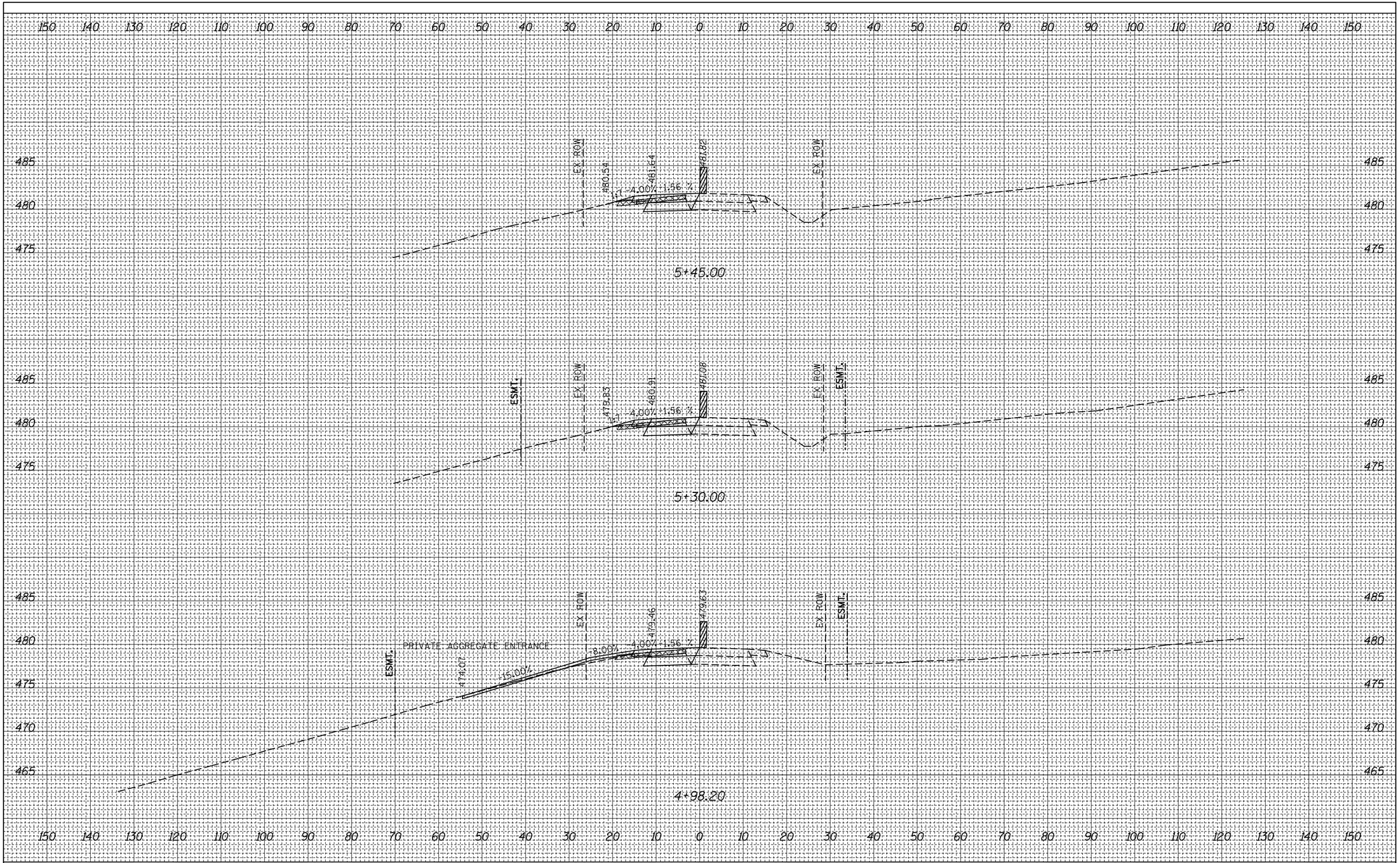
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	53
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE



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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

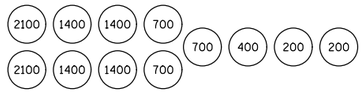
STAGE IC CONSTRUCTION CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 7 OF 7 SHEETS | STA. 4+98.20 | TO STA. 5+45.00

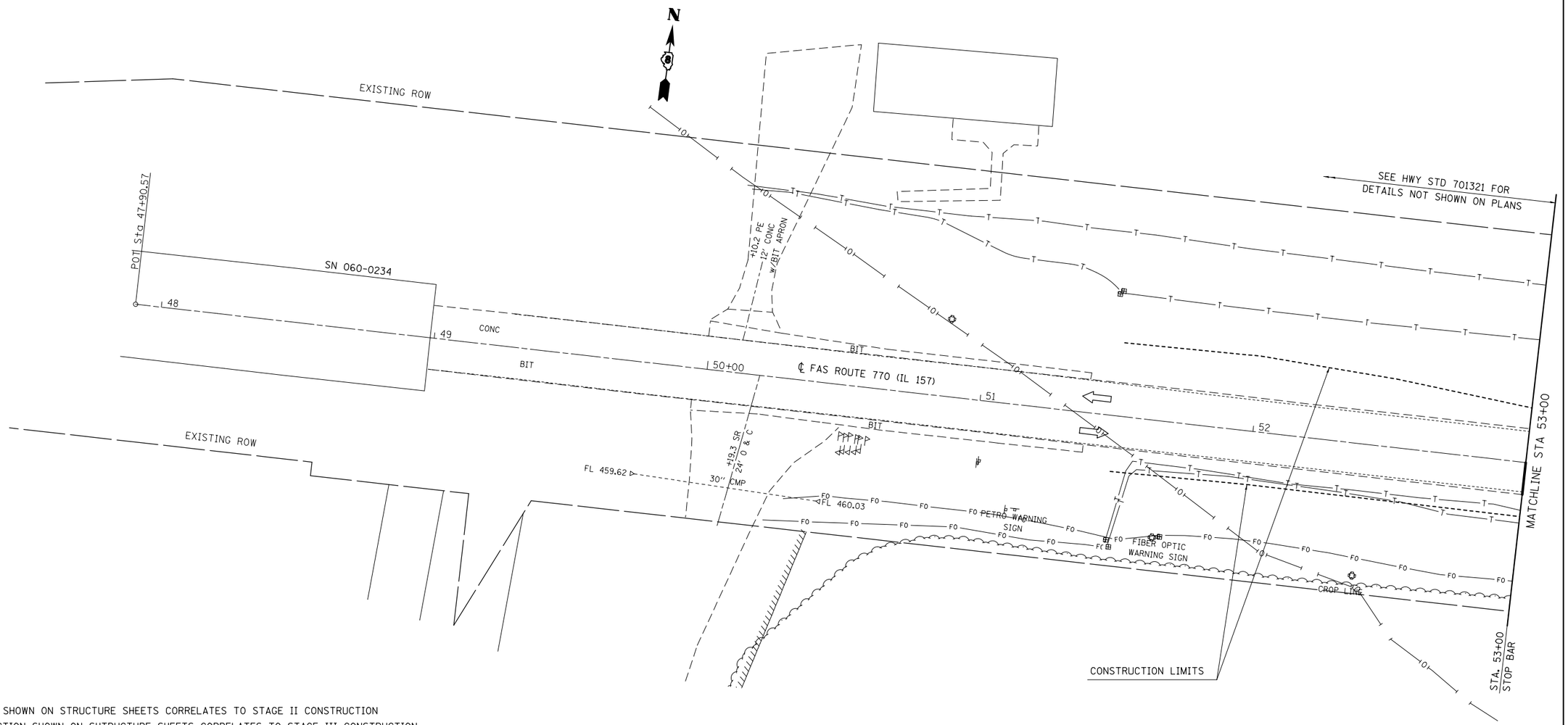
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770	64-1BR	MADISON	137	54
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE II

> PLACE ADDITIONAL STOP BARS ON OLD CARPENTER ROAD & SERVICE DRIVE AS SHOWN ON STAGING PLANS.
> REMOVE ALL CONFLICTING PAVEMENT MARKING BETWEEN STOP BARS ON IL 157.
> PLACE 200 FEET OF TEMPORARY CONCRETE BARRIER AND 2 IMPACT ATTENUATORS AS SHOWN ON STAGE II SHEETS.
> PERFORM ALL WORK FOR STAGE II CONSTRUCTION.
> SEE STANDARD 701321 FOR DETAILS NOT SHOWN ON PLANS.



SAND MODULE IMPACT ATTENUATOR LAYOUT
(FOR NON-REDIRECTIVE BARRIER ONLY)
(IF OPTION USED)



NOTE:

STAGE I CONSTRUCTION SHOWN ON STRUCTURE SHEETS CORRELATES TO STAGE II CONSTRUCTION
AND STAGE II CONSTRUCTION SHOWN ON SHTRUCTURE SHEETS CORRELATES TO STAGE III CONSTRUCTION.

SYMBOLS

SIGN	TEMPORARY CONCRETE BARRIER
TYPE III BARRICADE	DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
TRAFFIC SIGNAL	DETECTOR LOOPS

20′ 0 20′ 40′
SCALE: 1″ = 20′

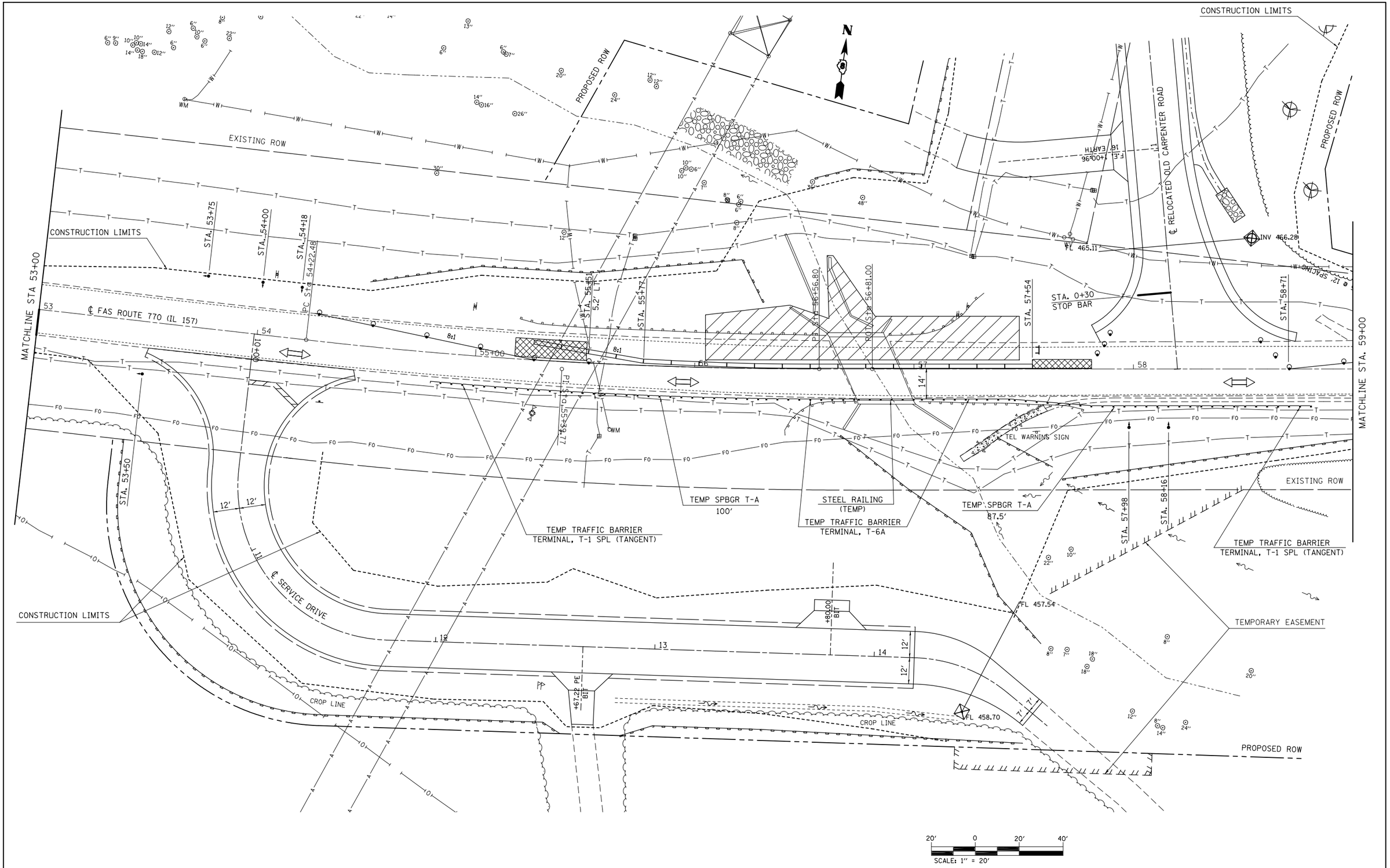
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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE II CONSTRUCTION SHEET

SCALE: 1″ = 20′ | SHEET 1 OF 3 SHEETS | STA. 47+90.57 | TO STA. 53+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	55
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		



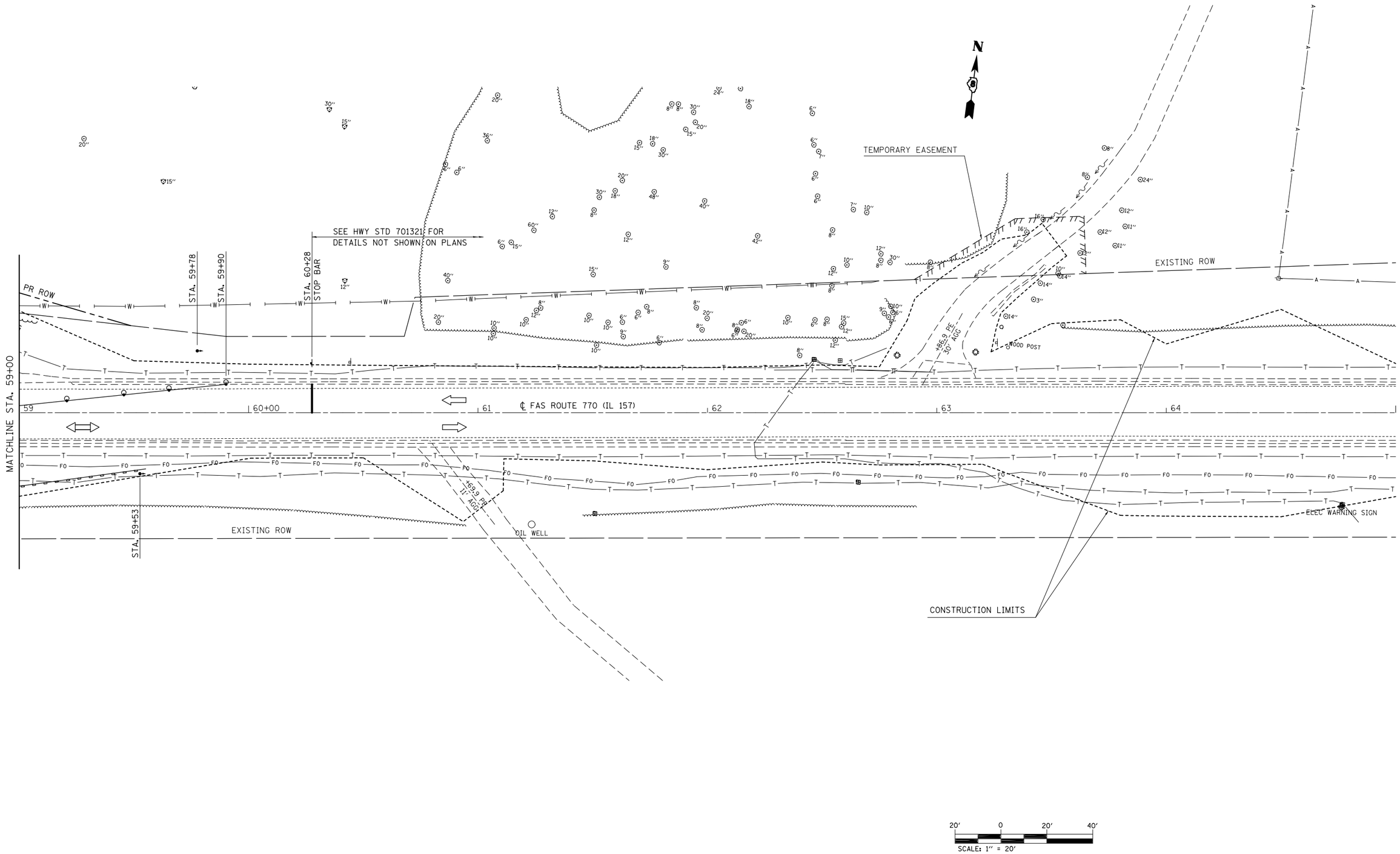
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE II CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. 53+00.00 TO STA. 59+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	56
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

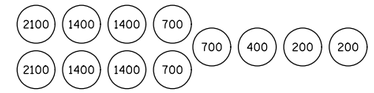
STAGE II CONSTRUCTION SHEET

SCALE: 1″ = 20′ | SHEET 3 OF 3 SHEETS | STA. 59+00.00 | TO STA. 65+00.00

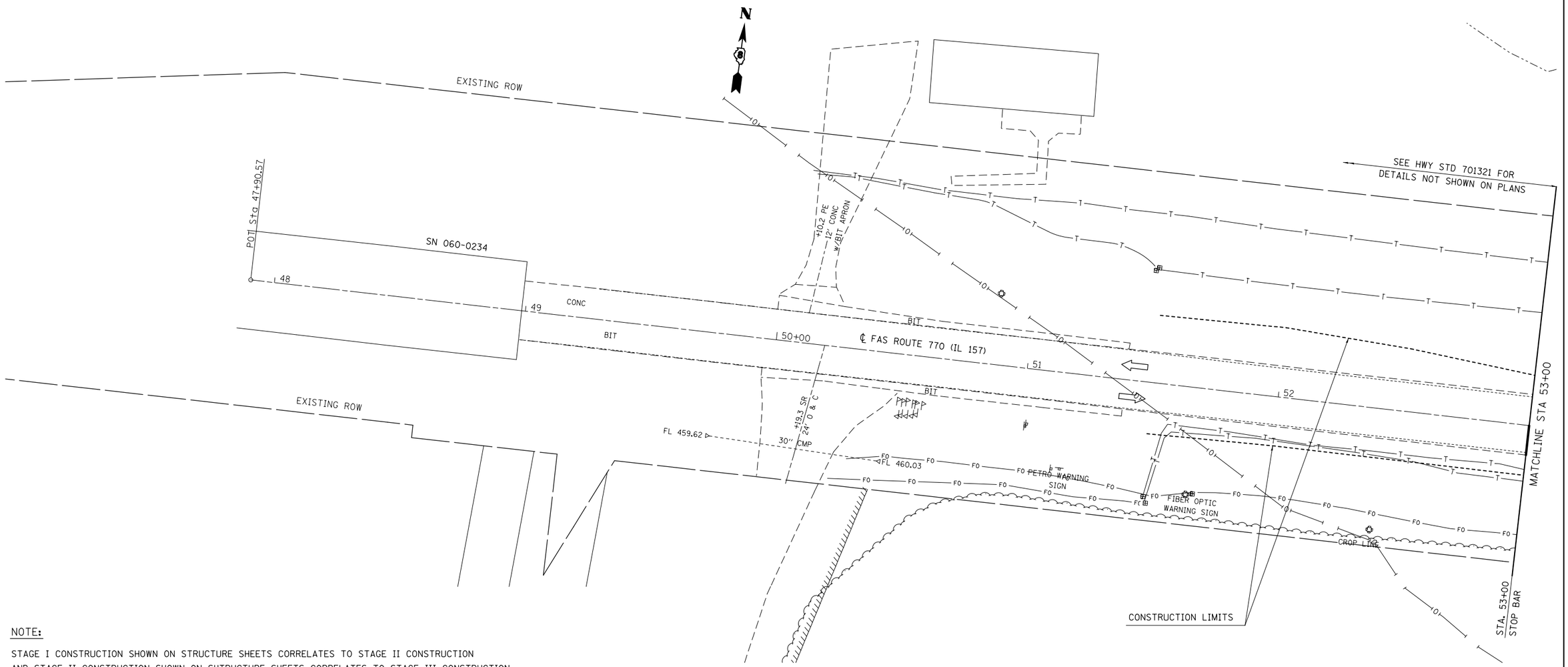
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	57
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE III

> RELOCATE 200 FEET OF TEMPORARY CONCRETE BARRIER, ADD AN ADDITIONAL 87 FEET OF TEMPORARY CONCRETE BARRIER ADDITIONAL, AND 2 IMPACT ATTENUATORS.
> PERFORM ALL WORK FOR STAGE II CONSTRUCTION.
> HIGHWAY STANDARDS USED: 701321.



SAND MODULE IMPACT ATTENUATOR LAYOUT
(FOR NON-REDIRECTIVE BARRIER ONLY)
(IF OPTION USED)



NOTE:

STAGE I CONSTRUCTION SHOWN ON STRUCTURE SHEETS CORRELATES TO STAGE II CONSTRUCTION AND STAGE II CONSTRUCTION SHOWN ON SHTRUCTURE SHEETS CORRELATES TO STAGE III CONSTRUCTION.

SYMBOLS

- SIGN
- TYPE III BARRICADE
- TRAFFIC SIGNAL
- TEMPORARY CONCRETE BARRIER
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- DETECTOR LOOPS

20′ 0 20′ 40′
SCALE: 1″ = 20′

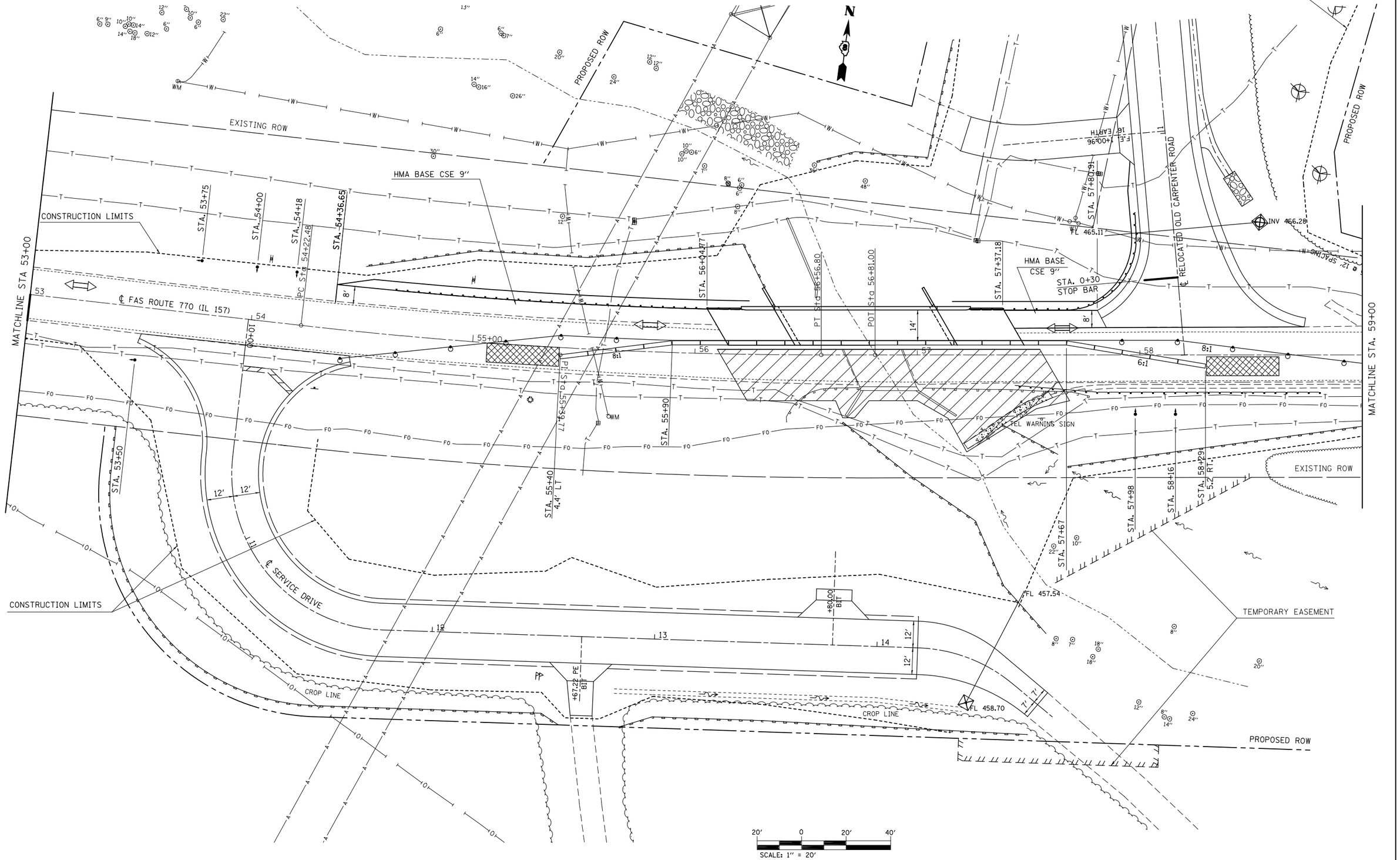
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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE III CONSTRUCTION SHEET

SCALE: 1″ = 20′ | SHEET 1 OF 3 SHEETS | STA. 47+90.57 | TO STA. 53+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	58
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



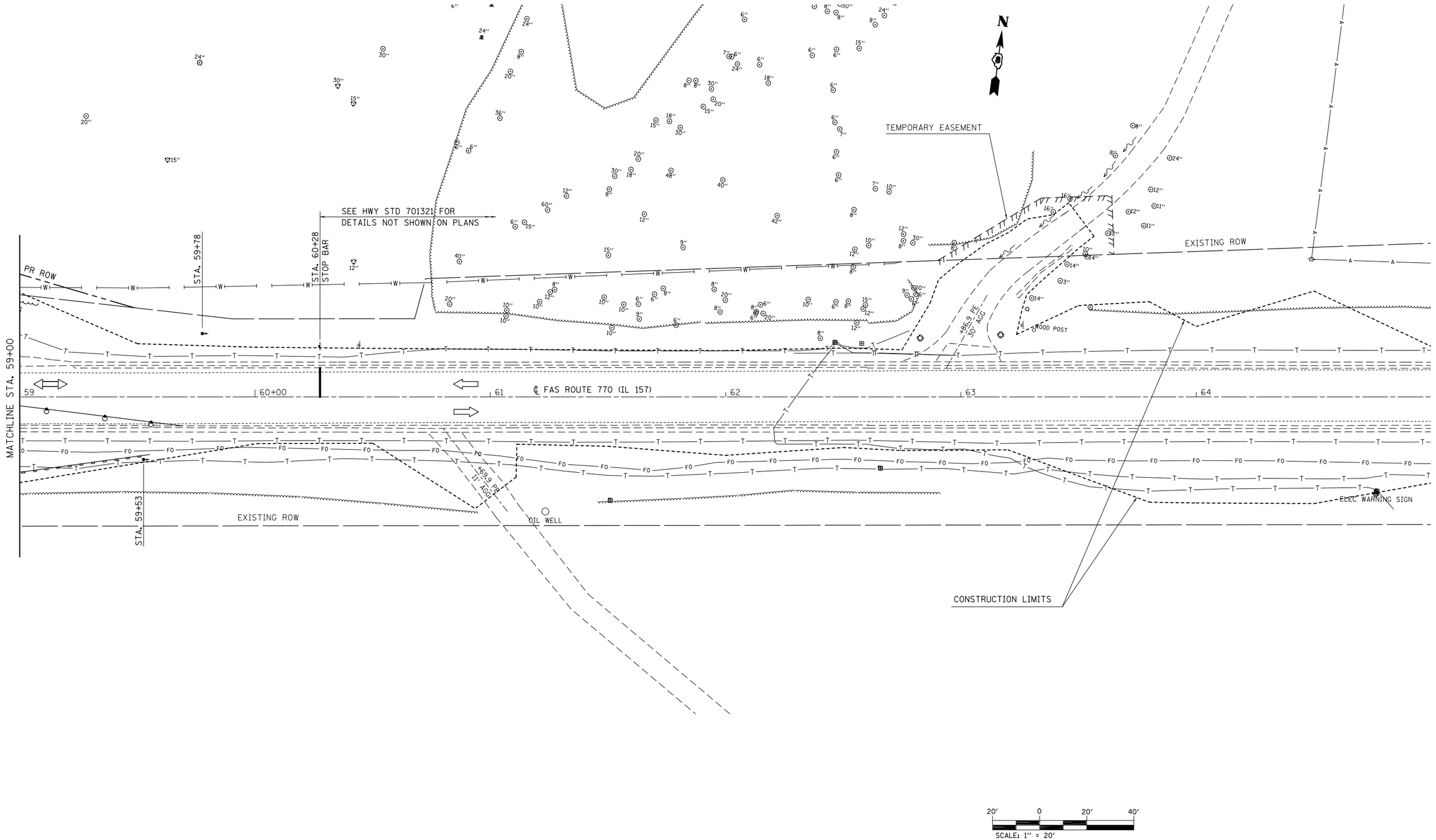
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		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE III CONSTRUCTION SHEET

SCALE: 1'' = 20' | SHEET 2 OF 3 SHEETS | STA. 53+00.00 TO STA. 59+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	59
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE III CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 3 OF 3 SHEETS | STA. 59+00.00 | TO STA. 65+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	60
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

SUGGESTED SEQUENCE OF CONSTRUCTION - STAGE IV

> REMOVE HMA SURFACE WITHIN PROJECT LIMITS ALONG IL ROUTE 157.

> CONSTRUCT GUTTER AND HMA SHOULDERS WITHIN PROJECT LIMITS ALONG IL ROUTE 157.

> CONSTRUCT THE ENTRANCES ALONG IL 157.

> PLACE TRAFFIC CONTROL, STANDARD 701316 (SPECIAL), FOR REMOVAL AND PLACEMENT OF FULL-DEPTH PAVEMENT FROM STATION 62+75 TO STATION 64+25. ADDITIONAL TRAFFIC SIGNALS ARE REQUIRED FOR THE ENTRANCE AT STATION 63+00.

> REMOVE FULL-DEPTH PAVEMENT IN EASTBOUND LANE FROM STATION 62+75 TO STATION 64+25.

> PLACE FULL-DEPTH HMA PAVEMENT IN EASTBOUND LANE FROM STATION 62+75 TO STATION 64+25.

> REMOVE FULL-DEPTH PAVEMENT IN WESTBOUND LANE FROM STATION 62+75 TO STATION 64+25.

> PLACE FULL-DEPTH HMA PAVEMENT IN WESTBOUND LANE FROM STATION 62+75 TO STATION 64+25.

> PLACE THE FINAL LIFT ON IL ROUTE 157 ROADWAY AND SHOULDERS.

> TRAFFIC CONTROL AND PROTECTION STANDARDS USED: 701306 AND 701316.

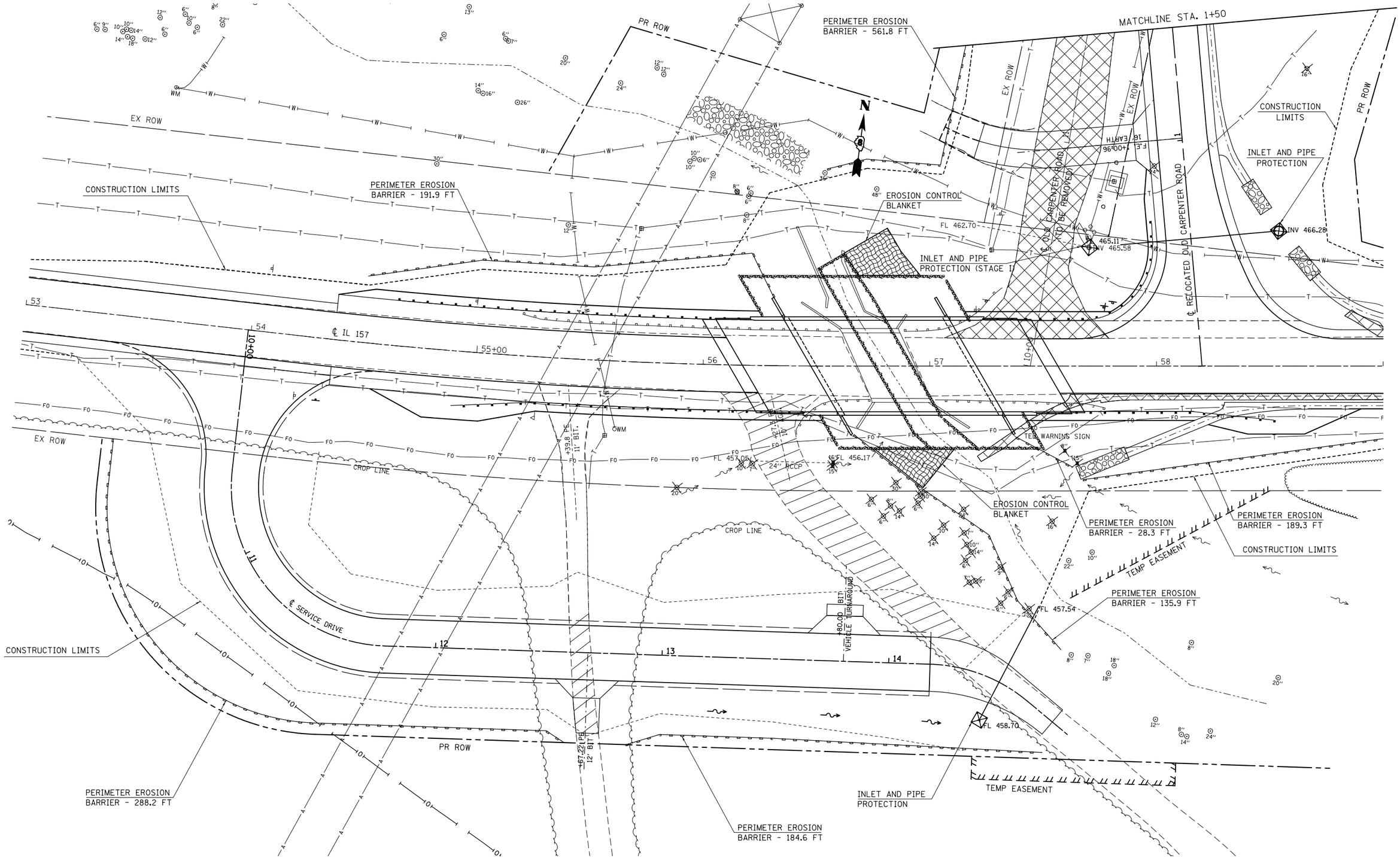
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

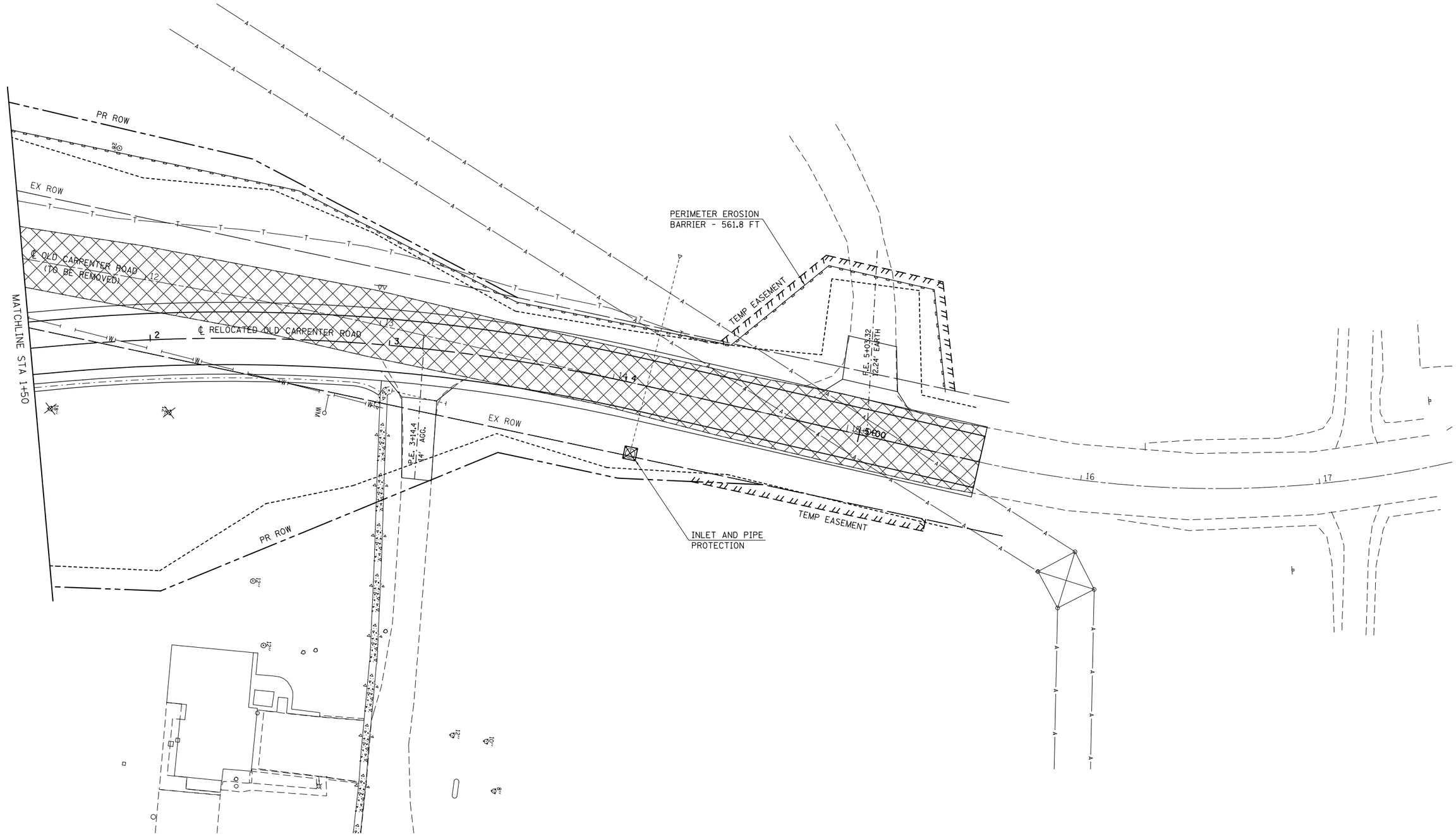
STAGE IV CONSTRUCTION SHEET

SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS | STA. 59+00.00 | TO STA. 65+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	61
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

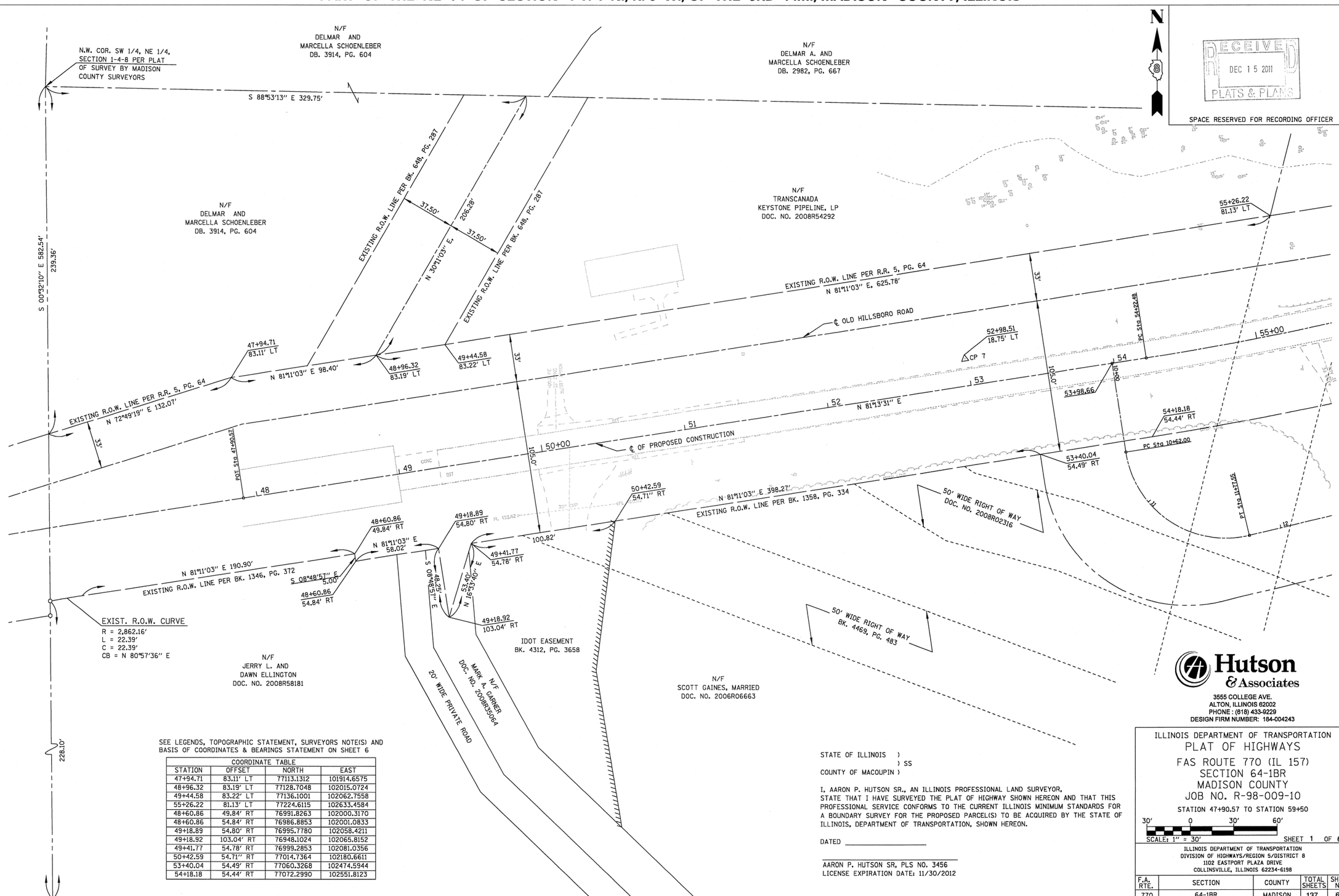


FILE NAME = c:\pw_work\pwidot\harbaughrd\d0139799\D076401-sht_Eros.dgn	USER NAME = harbaughrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEET	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -			770	64-1BR	MADISON	137	62
	PLOT DATE = 2/9/2012	CHECKED -	REVISED -					CONTRACT NO. 76401		
		DATE -	REVISED -		SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



FILE NAME = c:\pw_work\pwidot\harbaughrd\d0139799\D076401-sht_Eros.dgn	USER NAME = harbaughrd	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**EROSION CONTROL SHEET**			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					770	64-1BR	MADISON	137	63
	PLOT DATE = 2/3/2012	DATE -	REVISED -		SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA. TO STA.			CONTRACT NO. 76401		
									ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SECTION 1 T. 4 N., R. 8 W., OF THE 3RD P.M., MADISON COUNTY, ILLINOIS



RECEIVED
DEC 15 2011
PLATS & PLANS

SPACE RESERVED FOR RECORDING OFFICER

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 6

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
47+94.71	83.11' LT	77113.1312	101914.6575
48+96.32	83.19' LT	77128.7048	102015.0724
49+44.58	83.22' LT	77136.1001	102062.7558
55+26.22	81.13' LT	77224.6115	102633.4584
48+60.86	49.84' RT	76991.8263	102000.3170
48+60.86	54.84' RT	76986.8853	102001.0833
49+18.89	54.80' RT	76995.7780	102058.4211
49+18.92	103.04' RT	76948.1024	102065.8152
49+41.77	54.78' RT	76999.2853	102081.0356
50+42.59	54.71" RT	77014.7364	102180.6611
53+40.04	54.49' RT	77060.3268	102474.5944
54+18.18	54.44' RT	77072.2990	102551.8123

STATE OF ILLINOIS)
) SS
COUNTY OF MACOUPIN)

I, AARON P. HUTSON SR., AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

AARON P. HUTSON SR, PLS NO. 3456
LICENSE EXPIRATION DATE: 11/30/2012

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 10/26/10	ROW STAKING:

Hutson & Associates
3555 COLLEGE AVE.
ALTON, ILLINOIS 62002
PHONE : (618) 433-9229
DESIGN FIRM NUMBER: 184-004243

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 770 (IL 157)
SECTION 64-1BR
MADISON COUNTY
JOB NO. R-98-009-10
STATION 47+90.57 TO STATION 59+50

30' 0 30' 60'
SCALE: 1" = 30'

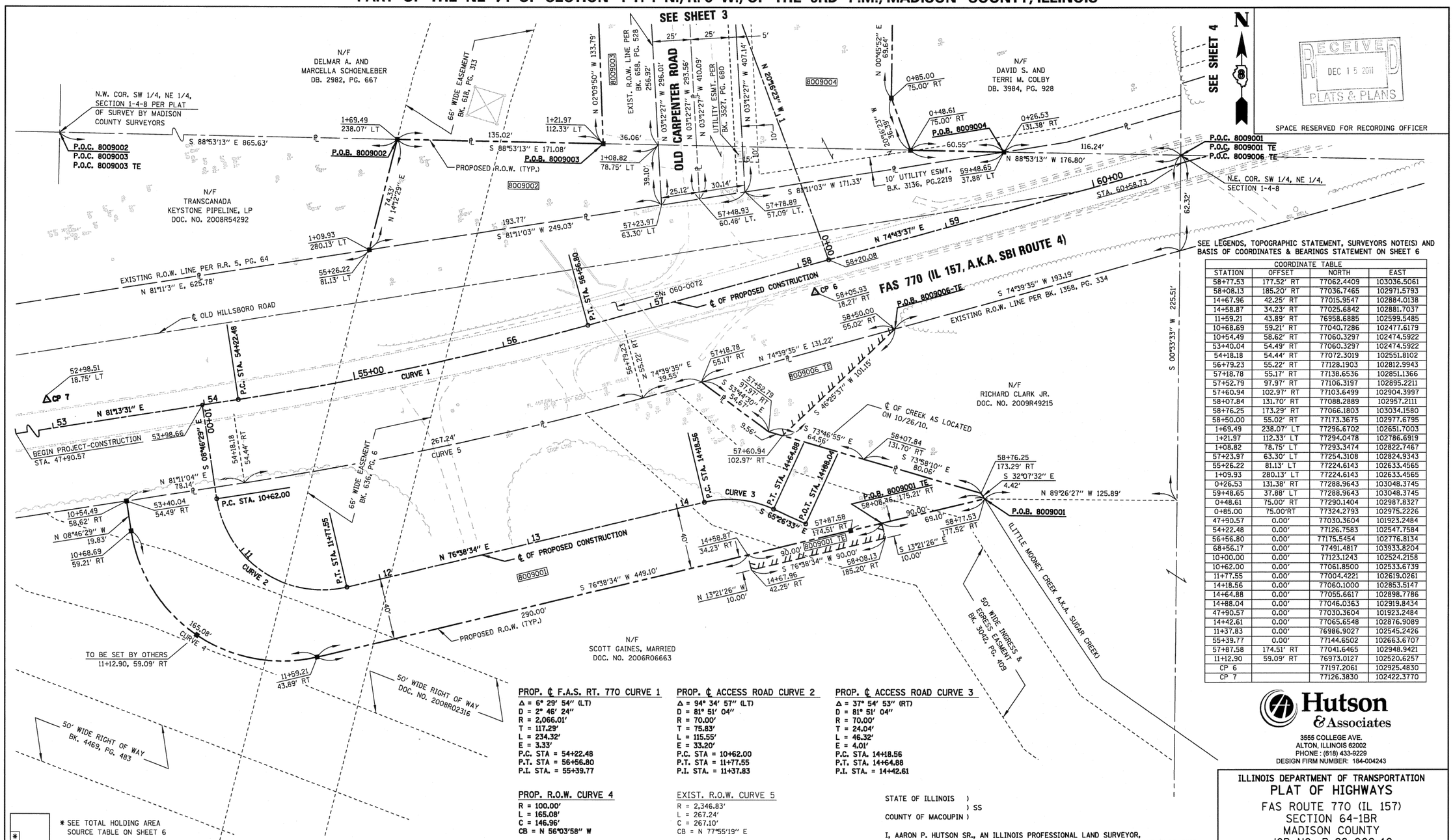
SHEET 1 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	64
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ROUTE IL 157 CONSTRUCTION SECTION 64-1BR MADISON COUNTY JOB # R-98-009-10 PART OF SEC. 1, T. 4 N., R. 8 W. OF THE 3RD P.M.

PART OF THE NE 1/4 OF SECTION 1 T. 4 N., R. 8 W., OF THE 3RD P.M., MADISON COUNTY, ILLINOIS



SPACE RESERVED FOR RECORDING OFFICER

RECEIVED DEC 15 2011 PLATS & PLANS

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 6

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
58+77.53	177.52' RT	77062.4409	103036.5061
58+08.13	185.20' RT	77036.7465	102971.5793
14+67.96	42.25' RT	77015.9547	102884.0138
14+58.87	34.23' RT	77025.6842	102881.7037
11+59.21	43.89' RT	76958.6885	102599.5485
10+68.69	59.21' RT	77040.7286	102477.6179
10+54.49	58.62' RT	77060.3297	102474.5922
53+40.04	54.49' RT	77060.3297	102474.5922
54+18.18	54.44' RT	77072.3019	102551.8102
56+79.23	55.22' RT	77128.1903	102812.9943
57+18.78	55.17' RT	77138.6536	102851.1366
57+52.79	97.97' RT	77106.3197	102895.2211
57+60.94	102.97' RT	77103.6499	102904.3997
58+07.84	131.70' RT	77088.2889	102957.2111
58+76.25	173.29' RT	77066.1803	103034.1580
58+50.00	55.02' RT	77173.3675	102977.6795
1+69.49	238.07' LT	77296.6702	102651.7003
1+21.97	112.33' LT	77294.0478	102786.6919
1+08.82	78.75' LT	77293.3474	102822.7467
57+23.97	63.30' LT	77254.3108	102824.9343
55+26.22	81.13' LT	77224.6143	102633.4565
1+09.93	280.13' LT	77224.6143	102633.4565
0+26.53	131.38' RT	77288.9643	103048.3745
59+48.65	37.88' LT	77288.9643	103048.3745
0+48.61	75.00' RT	77290.1404	102987.8327
0+85.00	75.00'RT	77324.2793	102975.2226
47+90.57	0.00'	77030.3604	101923.2484
54+22.48	0.00'	77126.7583	102547.7584
56+56.80	0.00'	77175.5454	102776.8134
68+56.17	0.00'	77491.4817	103933.8204
10+00.00	0.00'	77123.1243	102524.2158
10+62.00	0.00'	77061.8500	102533.6739
11+77.55	0.00'	77004.4221	102619.0261
14+18.56	0.00'	77060.1000	102853.5147
14+64.88	0.00'	77055.6617	102898.7786
14+88.04	0.00'	77046.0363	102919.8434
47+90.57	0.00'	77030.3604	101923.2484
14+42.61	0.00'	77065.6548	102876.9089
11+37.83	0.00'	76986.9027	102545.2426
55+39.77	0.00'	77144.6502	102663.6707
57+87.58	174.51' RT	77041.6465	102948.9421
11+12.90	59.09' RT	76973.0127	102520.6257
CP 6		77197.2061	102925.4830
CP 7		77126.3830	102422.3770

PROP. ℄ F.A.S. RT. 770 CURVE 1
- Δ = 6° 29' 54" (LT)
- D = 2° 46' 24"
- R = 2,066.01'
- T = 117.29'
- L = 234.32'
- E = 3.33'
- P.C. STA = 54+22.48
- P.T. STA = 56+56.80
- P.I. STA. = 55+39.77

PROP. ℄ ACCESS ROAD CURVE 2
- Δ = 94° 34' 57" (LT)
- D = 81° 51' 04"
- R = 70.00'
- T = 75.83'
- L = 115.55'
- E = 33.20'
- P.C. STA = 10+62.00
- P.T. STA = 11+77.55
- P.I. STA. = 11+37.83

PROP. ℄ ACCESS ROAD CURVE 3
- Δ = 37° 54' 53" (RT)
- D = 81° 51' 04"
- R = 70.00'
- T = 24.04'
- L = 46.32'
- E = 4.01'
- P.C. STA. 14+18.56
- P.T. STA. 14+64.88
- P.I. STA. = 14+42.61

PROP. R.O.W. CURVE 4
- R = 100.00'
- L = 165.08'
- C = 146.96'
- CB = N 56°03'58" W

EXIST. R.O.W. CURVE 5
- R = 2,346.83'
- L = 267.24'
- C = 267.10'
- CB = N 77°55'19" E

✱ SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 6

SEE SHEET 5 FOR TOTAL HOLDING SKETCH

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION						REMAINDER	EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET			TE = TEMPORARY		EASEMENT PURPOSE		
		ACRES	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	ACRES	SQ. FT.			
8009001	SCOTT GAINES, MARRIED 18-2009MA-4301.0	14.7415 [5]	1.1887	51,778	N/A	N/A	1.1887	51,778	13.5528	0.0207	900	ENTRANCE CONSTRUCTION	14-1-15-01-00-000-014.006	
8009002	TRANSCANADA KEYSTONE PIPELINE, LP 18-2009MA-4298.0	1.6716 [5]	0.2500	10,885	0.0212	922	0.2288	9,963	1.4216	N/A	N/A	N/A	14-1-15-01-00-000-014.001	
8009006	RICHARD CLARK, JR. 18-2009MA4300.0	13.4425 [5]	N/A	N/A	N/A	N/A	N/A	N/A	13.4425	0.0741	3,229	GRADING & WORKING AREA	14-1-15-01-00-000-014.005	

STATE OF ILLINOIS)
) SS
COUNTY OF MACOUPIN)

I, AARON P. HUTSON SR., AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

AARON P. HUTSON SR, PLS NO. 3456
LICENSE EXPIRATION DATE: 11/30/2012

Hutson & Associates
3555 COLLEGE AVE.
ALTON, ILLINOIS 62002
PHONE : (618) 433-9229
DESIGN FIRM NUMBER: 184-004243

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 770 (IL 157)
SECTION 64-1BR
MADISON COUNTY
JOB NO. R-98-009-10
STATION 47+90.57 TO STATION 59+50

30' 0 30' 60'
SCALE: 1" = 30'

SHEET 2 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	65
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 10/26/10	ROW STAKING:

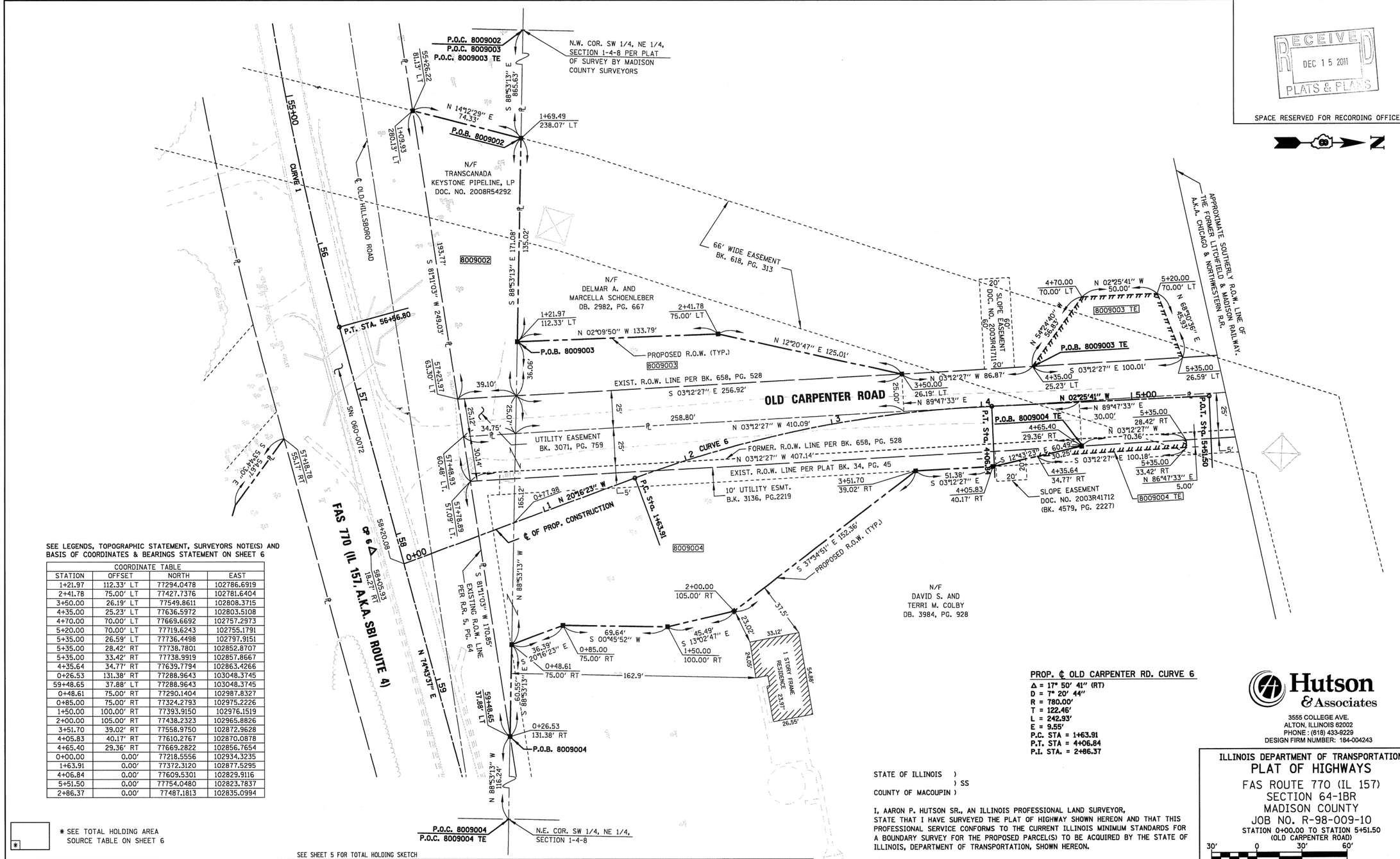
ROUTE IL 157 CONSTRUCTION SECTION 64-1BR MADISON COUNTY JOB # R-98-009-10

PART OF SEC. 1, T. 4 N., R. 8 W. OF THE 3RD P.M.

PART OF THE NE 1/4 OF SECTION 1 T. 4 N., R. 8 W., OF THE 3RD P.M., MADISON COUNTY, ILLINOIS

RECEIVED
DEC 15 2011
PLATS & PLANS

SPACE RESERVED FOR RECORDING OFFICER



SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 6

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
1+21.97	112.33' LT	77294.0478	102786.6919
2+41.78	75.00' LT	77427.7376	102781.6404
3+50.00	26.19' LT	77549.8611	102808.3715
4+35.00	25.23' LT	77636.5972	102803.5108
4+70.00	70.00' LT	77669.6692	102757.2973
5+20.00	70.00' LT	77719.6243	102755.1791
5+35.00	26.59' LT	77736.4498	102797.9151
5+35.00	28.42' RT	77738.7801	102852.8707
5+35.00	33.42' RT	77738.9919	102857.8667
4+35.64	34.77' RT	77639.7794	102863.4266
0+26.53	131.38' RT	77288.9643	103048.3745
59+48.65	37.88' LT	77288.9643	103048.3745
0+48.61	75.00' RT	77290.1404	102987.8327
0+85.00	75.00' RT	77324.2793	102975.2226
1+50.00	100.00' RT	77393.9150	102976.1519
2+00.00	105.00' RT	77438.2323	102965.8826
3+51.70	39.02' RT	77558.9750	102872.9628
4+05.83	40.17' RT	77610.2767	102870.0878
4+65.40	29.36' RT	77669.2822	102856.7654
0+00.00	0.00'	77218.5556	102934.3235
1+63.91	0.00'	77372.3120	102877.5295
4+06.84	0.00'	77609.5301	102829.9116
5+51.50	0.00'	77754.0480	102823.7837
2+86.37	0.00'	77487.1813	102835.0994

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 6

SEE SHEET 5 FOR TOTAL HOLDING SKETCH

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION						REMAINDER	EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET			TE = TEMPORARY		EASEMENT PURPOSE		
		ACRES	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	ACRES	SQ. FT.			
8009003	DELAMR A. SCHOENLEBER AND MARCELLA SCHOENLEBER, HUSBAND & WIFE AS JOINT TENANTS 18-2009MA-4296.0	5.6704 [5]	0.3021	13,161	0.1480	6,447	0.1541	6,714	5.3683	0.0758	3,300	GRADING & ENTRANCE CONSTUCTION	14-1-15-01-00-000-006	
8009004	DAVID S. COLBY AND TERRI M. COLBY, HIS WIFE IN JOINT TENANCY 18-2009MA-4297.0	3.9417 [5]	0.8481	36,945	0.2814	12,258	0.5667	24,687	3.0936	0.0098	426	GRADING & ENTRANCE CONSTUCTION	14-1-15-01-00-000-005	

PROP. ℄ OLD CARPENTER RD. CURVE 6
Δ = 17° 50' 41" (RT)
D = 7° 20' 44"
R = 780.00'
T = 122.46'
L = 242.93'
E = 9.55'
P.C. STA = 1+63.91
P.T. STA = 4+06.84
P.I. STA. = 2+86.37

STATE OF ILLINOIS)
) SS
COUNTY OF MACOUPIN)

I, AARON P. HUTSON SR., AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

AARON P. HUTSON SR, PLS NO. 3456
LICENSE EXPIRATION DATE: 11/30/2012

COMPLETION DATE OF FIELD WORK PERFORMED			
LAND SURVEY:	10/26/10	ROW STAKING:	

Hutson & Associates
3555 COLLEGE AVE.
ALTON, ILLINOIS 62002
PHONE : (618) 433-9229
DESIGN FIRM NUMBER: 184-004243

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 770 (IL 157)
SECTION 64-1BR
MADISON COUNTY
JOB NO. R-98-009-10
STATION 0+00.00 TO STATION 5+51.50
(OLD CARPENTER ROAD)

30' 0 30' 60'
SCALE: 1" = 30'
SHEET 3 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	66
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ROUTE IL 157 CONSTRUCTION SECTION 64-1BR MADISON COUNTY JOB * R-98-009-10 PART OF SEC. 1, T. 4 N., R. 8 W. OF THE 3RD P.M.

PART OF THE NE 1/4 OF SECTION 1 T. 4 N., R. 8 W., OF THE 3RD P.M., MADISON COUNTY, ILLINOIS

N

SPACE RESERVED FOR RECORDING OFFICER

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 6

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
59+48.65	37.88' LT	77288.9643	103048.3745
62+90.04	57.91' LT	77398.2181	103372.4289
63+35.02	84.51' LT	77435.7270	103408.8133
63+65.00	85.57' LT	77444.6435	103437.4576
63+65.00	60.65' LT	77420.5115	103444.0472
68+56.17	0.00'	77491.4817	103933.8204
CP5		77349.7943	103490.7950

N/F
KEITH A. AND
JUDITH E. LOEMKER
DB. 3042, PG. 1312

N/F
DAVID S. AND
TERRI M. COLBY
DB. 3984, PG. 928

WEST LINE OF THE NE 1/4, NE 1/4, SEC. 1-4-8

20' WIDE UTILITY ESMT.
BK. 3132, PG. 1869

20' WIDE UTILITY ESMT.
BK. 3064, PG. 1983

63+65.00
85.57' LT
S 15°16'23" E
25.02'

N 72°42'34" E
30.00'

63+35.02
84.51' LT

N 44°17'26" E
52.25'

8009005 TE

63+65.00
60.65' LT

EXISTING R.O.W. LINE PER BK. 1358, PG. 334

S 72°42'34" W
75.00'

P.O.B. 8009005 TE
62+90.04 57.31' LT

N 72°42'34" E 217.63'

℄ OF PROPOSED CONSTRUCTION

L64

L65+00

L66

L67

L68

END PROJECT-CONSTRUCTION
STA. 68+56.17

62+12.50
50.25' LT

46.81'
N 00°00'14" W

L63

N 74°43'37" E

63+91.47
19.98' RT

CP5

FAS 770 (IL 157, A.K.A. SBI ROUTE 4)

EXISTING R.O.W. LINE PER BK. 1358, PG. 334

L62

L61

59+48.65
37.88' LT

L60+00

60+58.73

S.W. COR. NE 1/4, NE 1/4,
SECTION 1-4-8
P.O.C. 8009005 TE

SOUTH LINE OF THE NE 1/4, NE 1/4, SEC. 1-4-8

60+43.19
54.79' RT

N/F
RICHARD CLARK JR.
DOC. NO. 2009R49215

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 6

SEE SHEET 5 FOR TOTAL HOLDING SKETCH

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION						REMAINDER	EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET			TE = TEMPORARY		EASEMENT PURPOSE		
		ACRES	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	ACRES	SQ. FT.			
8009005	KEITH A. LOEMKER AND JUDITH E. LOEMKER, HUSBAND & WIFE AS JOINT TENANTS 18-2009MA-4299.0 5	9.4957	N/A	N/A	N/A	N/A	N/A	N/A	9.4957	0.0301	1.313	ENTRANCE CONSTRUCTION	14-1-15-01-00-000-014.003	

ROUTE IL 157 CONSTRUCTION SECTION 64-1BR MADISON COUNTY JOB # R-98-009-10 PART OF SEC. 1, T. 4 N., R. 8 W. OF THE 3RD P.M.

STATE OF ILLINOIS)
) SS
COUNTY OF MACOUPIN)

I, AARON P. HUTSON SR., AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

AARON P. HUTSON SR, PLS NO. 3456
LICENSE EXPIRATION DATE: 11/30/2012

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 10/26/10	ROW STAKING:

Hutson & Associates
3555 COLLEGE AVE.
ALTON, ILLINOIS 62002
PHONE : (618) 433-9229
DESIGN FIRM NUMBER: 184-004243

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 770 (IL 157)
SECTION 64-1BR
MADISON COUNTY
JOB NO. R-98-009-10
STATION 62+50 TO STATION 68+56.17

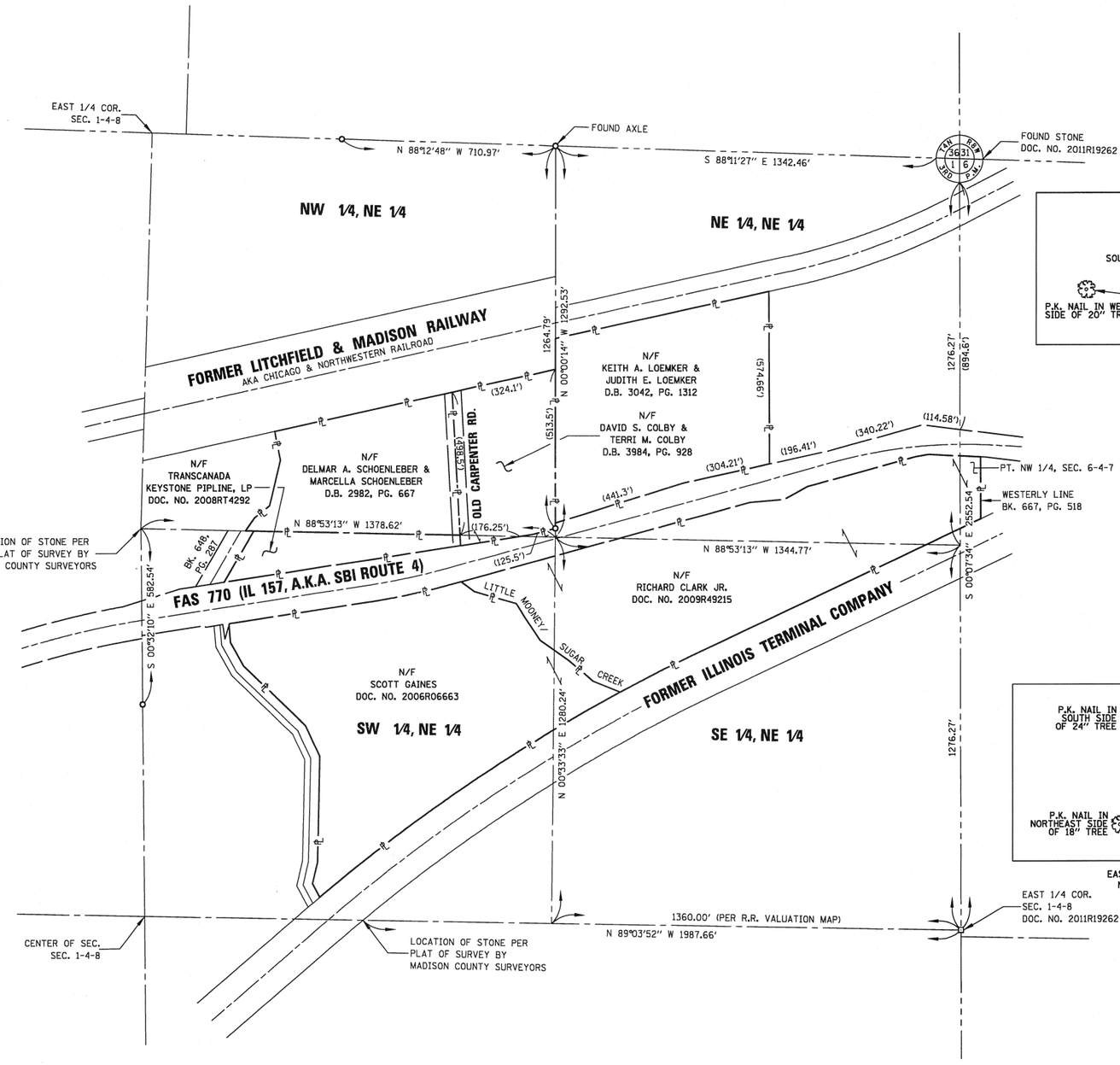
30' 0 30' 60'
SCALE: 1" = 30'

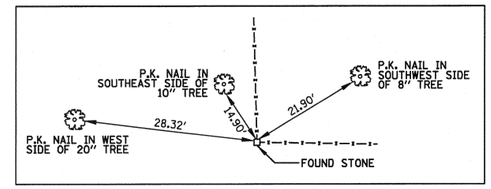
SHEET 4 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

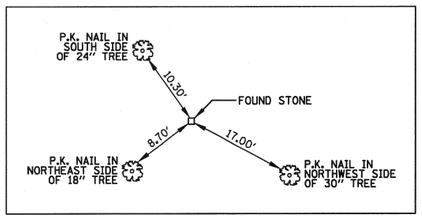
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	67
			CONTRACT NO. 76401	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SECTION 1, T. N., R. 8 W., OF THE 3RD P.M., MADISON COUNTY, ILLINOIS





NORTH EAST CORNER, SECTION 1-4-8
N: 78536.8527, E: 104506.2980



EAST 1/4 CORNER, SECTION 1-4-8
N: 75984.3216, E: 104511.9164

STATE OF ILLINOIS)
) SS
COUNTY OF MACOUPIN)

I, AARON P. HUTSON SR., AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

AARON P. HUTSON SR., PLS NO. 3456
LICENSE EXPIRATION DATE: 11/30/2012

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 770 (IL 157)
SECTION 64-1BR
MADISON COUNTY
JOB NO. R-98-009-10
TOTAL HOLDINGS

200' 0 200' 400'
SCALE: 1" = 200'

SHEET 5 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	68
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 10/26/10	ROW STAKING:

ROUTE IL 157 CONSTRUCTION SECTION 64-1BR MADISON COUNTY JOB # R-98-009-10

PART OF SEC. 1, T. 4 N., R. 8 W. OF THE 3RD P.M.

PART OF THE NE 1/4 OF SECTION 1 T. 4 N., R. 8 W., OF THE 3RD P.M., MADISON COUNTY, ILLINOIS

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL HANDHOLE
TRAFFIC SIGNAL GULFBOX
TRAFFIC SIGNAL HANDHOLE
TRAFFIC SIGNAL SIGNAL POST
TRAFFIC SIGNAL STEEL MAST ARM
TRAFFIC SIGNAL COMBINED MAST ARM
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON
TRAFFIC SIGNAL WOODEN POLE
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET
TRAFFIC SIGNAL JUNCTION BOX
TRAFFIC SIGNAL CONTROLLER
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE
RAILROAD CANTILEVER MAST ARM
RAILROAD CROSSBUCK
RAILROAD TRACK PATTERN
RAILROAD ABANDON PATTERN
RAILROAD CROSSGATE
RAILROAD CONTROL BOX
RAILROAD FLASHING SIGNAL
TELEPHONE SPLICE BOX ABOVE GROUND
UTILITY POWER POLE
TELEPHONE POLE
UTILITY TRAFFIC SIGNAL
UTILITY LIGHT POLE
FIRE HYDRANT
UTILITY MANHOLE
UTILITY TELEPHONE POLE
UTILITY GUY POLE
PIPELINE WARNING SIGN
UTILITY HANDHOLE
UTILITY SPLICE ABOVE GROUND
UTILITY JUNCTION BOX
UTILITY HEAVY DUTY HANDHOLE
UTILITY DOUBLE HANDHOLE
UTILITY CONTROLLER
UTILITY WATER METER

DRAINAGE FLOW LINE
RIP RAP
HEADWALL
CULVERT END SECTION
DRAINAGE MANHOLE
INLET
ROADWAY DITCH FLOW
VEGETATION LINE
STUMP
SHRUB
EVERGREEN TREE
DECIDUOUS TREE
WOODS/BUSH PATTERN
TRAFFIC SIGN
GAURDRAIL POST
GAURDRAIL PATTERN
FIELD LINE
LEVEE/NOISE BARRIER
FENCE PATTERN
MAIL BOX
ADVERTISING SIGN
MARSH
LIGHTING HANDHOLE
LIGHTING POWER POLE
LIGHTING JUNCTION BOX
LIGHTING HEAVYDUTY HANDHOLE
LIGHTING CONTROLLER
LIGHTING PULL POINT
HIGHWAY LIGHTING ELECTRICAL GROUND
HIGHWAY LIGHTING SINGLE UNIT
HIGHWAY LIGHTING DOUBLE UNIT
EXISTING CONCRETE BARRIER
EXISTING CREEK OR DITCH
EXISTING EDGE OF PAVEMENT

RIGHT OF WAY LEGEND

SECTION CORNERS
QUARTER SECTION CORNERS

EXISTING CENTERLINE
EXISTING RIGHT OF WAY LINE
FORMER RIGHT OF WAY LINE
EXISTING IDOT EASEMENT LINE
EXISTING EASEMENT LINE
BUILDING SETBACK LINE
EXISTING ACCESS CONTROL LINE
EXISTING RIGHT OF WAY & PROPOSED ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
PROPOSED CENTERLINE
PROPOSED RIGHT OF WAY LINE
PROPOSED TEMPORARY EASEMENT LINE
PROPOSED PERMANENT EASEMENT LINE
SECTION LINE
QUARTER SECTION LINE
QUARTER QUARTER SECTION LINE
PROPERTY LINE
APPARENT PROPERTY LINE
121.45' MEASURED DIMENSION
(121.45') RECORDED DIMENSION
FOUND STONE
FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
FOUND CUT CROSS
SET CUT CROSS
SAME OWNERSHIP
EXISTING BUILDING

■ STAKING OF PROPOSED RIGHT OF WAY CORNERS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER. (PROPOSED RIGHT OF WAY CORNERS SET IN CULTIVATED AREAS SHALL BE A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE).

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
℄	CENTERLINE
CH	COUNTY HIGHWAY
Ch	CHAIN
DB	DEED BOOK
E	EAST
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAUS	FEDERAL AID URBAN SECONDARY
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m	METER
m²	SQUARE METERS
N	NORTH
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT OF TANGENT
℄	PROPERTY LINE
PR	PROPOSED
RD	ROAD
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SQ FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
TWP	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

RECEIVED
DEC 15 2011
PLATS & PLANS

PROPOSED PARCEL NUMBER LEGEND

8001001	PROPOSED FEE SIMPLE ACQUISITION
8001001PE	PROPOSED PERMANENT EASEMENT
8001001TE	PROPOSED TEMPORARY EASEMENT
8001001DED	PROPOSED DEDICATION
8001001AC	PROPOSED ACCESS CONTROL LINE

CURVE ABBREVIATIONS

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
CB	CHORD BEARING
R	RADIUS OF CURVE
L	CURVE LENGTH
CB	CHORD BEARING
C	CHORD LENGTH
D	DEGREE OF CURVE
e	EXTERNAL
△	CENTRAL ANGLE

COORDINATE TRANSFORMATION STATEMENT

THE FOLLOWING COORDINATES WERE USED TO TRANSFROM THE PUBLISHED IDOT COORDINATES TO COORDINATES LABELED ON THIS PLAT OF HIGHWAY.

COORDINATE TABLE

STATION	NORTH (IDOT)	EAST (IDOT)	NORTH (PH)	EAST (PH)
CP 5	10074.0420	10580.8180	77349.7943	103490.7950
CP 6	10000.0000	10000.0000	77197.2061	102925.4830
CP 7	9998.4260	9491.9160	77126.3830	102422.3770

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN HEREON. IN ADDITION THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD THE FOLLOWING ITEMS ON 10/26/10:
1. BUILDINGS
2.
3.

TOTAL HOLDING AREA SOURCE TABLE

1	AREA ACCORDING TO THE SURVEY PERFORMED BY THE CONSULTANT.
2	AREA LISTED IN RECORDED DEED.
3	AREA ACCORDING TO A RECORDED SUBDIVISION PLAT.
4	AREA ACCORDING TO A PLAT OF SURVEY.
5	AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.
6	AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7	AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS.

BASIS OF COORDINATE & BEARING STATEMENT

BASIS OF BEARINGS AND COORDINATES: ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE FOLLOWING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT GRID DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES.

LINEAR UNIT: US SURVEY FEET
GEODETIC DATUM: NAD 1983 (2007)
VERTICAL DATUM: NAVD 1988
PROJECTION: LAMBERT CONFORMAL CONIC (SINGLE PARALLEL)
LATITUDE OF ORIGIN: 38°50'00"N
CENTRAL MERIDIAN: 89°56'00"W
FALSE NORTHING: 79,000.000 SFT
FALSE EASTING: 103,000.000 SFT
CM SCALE FACTOR: 1.000019129

PREPARED BY:
Hutson & Associates
3555 COLLEGE AVE.
ALTON, ILLINOIS 62002
PHONE : (618) 433-9229
DESIGN FIRM NUMBER: 184-004243

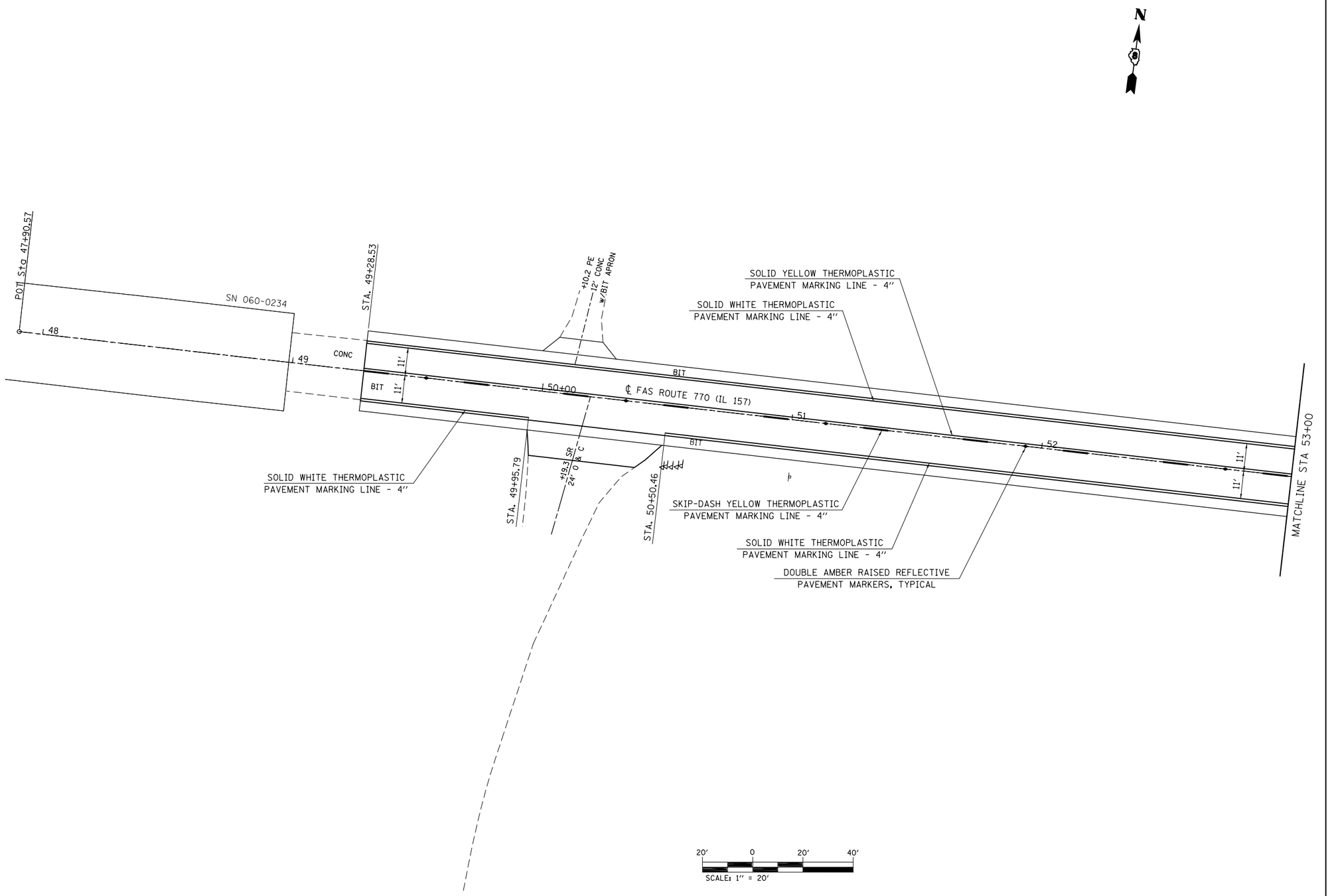
AARON P. HUTSON SR, PLS NO. 3456
LICENSE EXPIRATION DATE: 11/30/2012

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAS ROUTE 770 (IL 157)
SECTION 64-1BR
MADISON COUNTY
JOB NO. R-98-009-10
GENERAL NOTES & LEGEND

SHEET 6 OF 6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	69
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



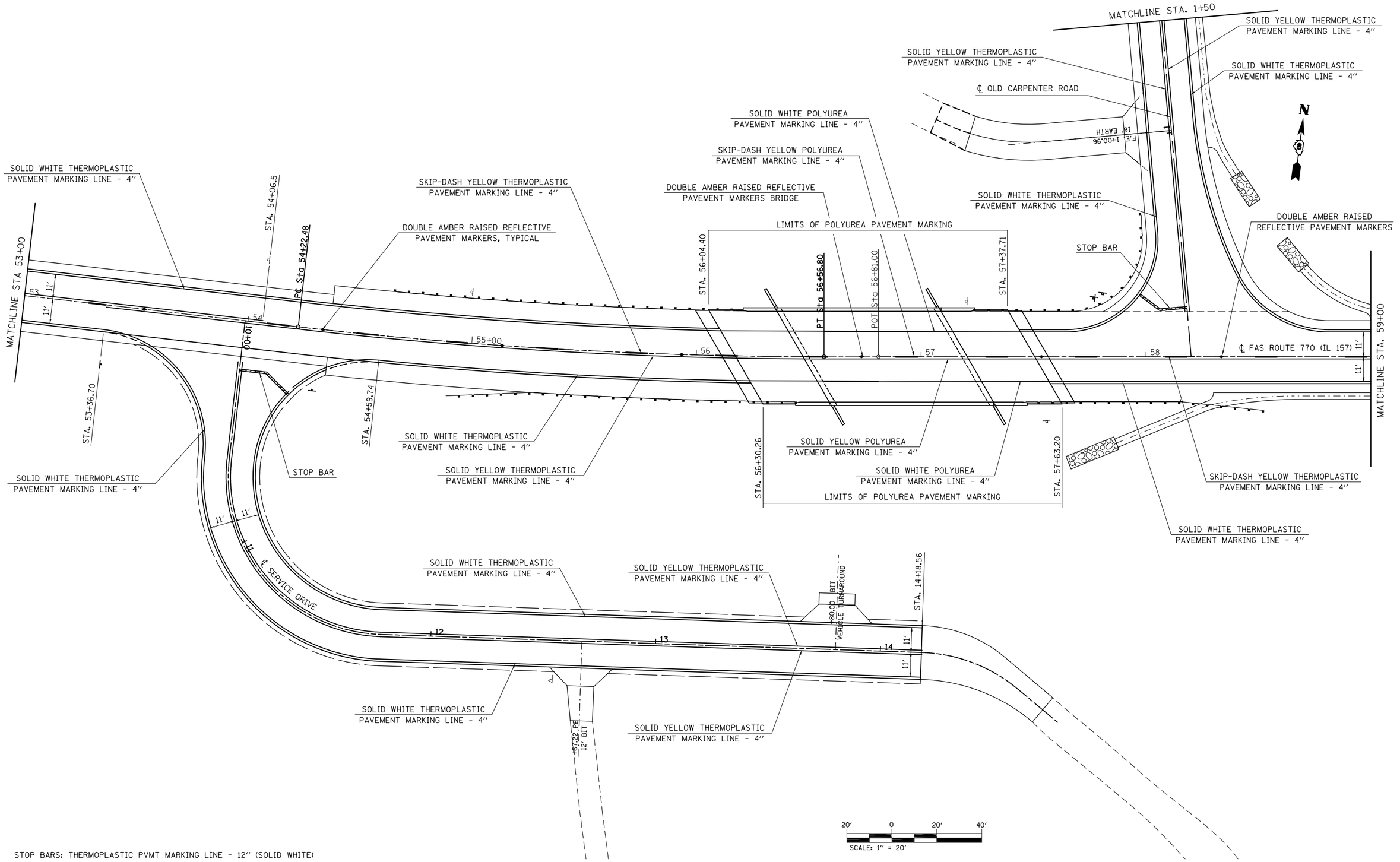
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		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/9/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEET

SCALE: 1" = 20' | SHEET 1 OF 5 SHEETS | STA. 47+90.57 | TO STA. 53+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	70
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



STOP BARS: THERMOPLASTIC PVMT MARKING LINE - 12'' (SOLID WHITE)

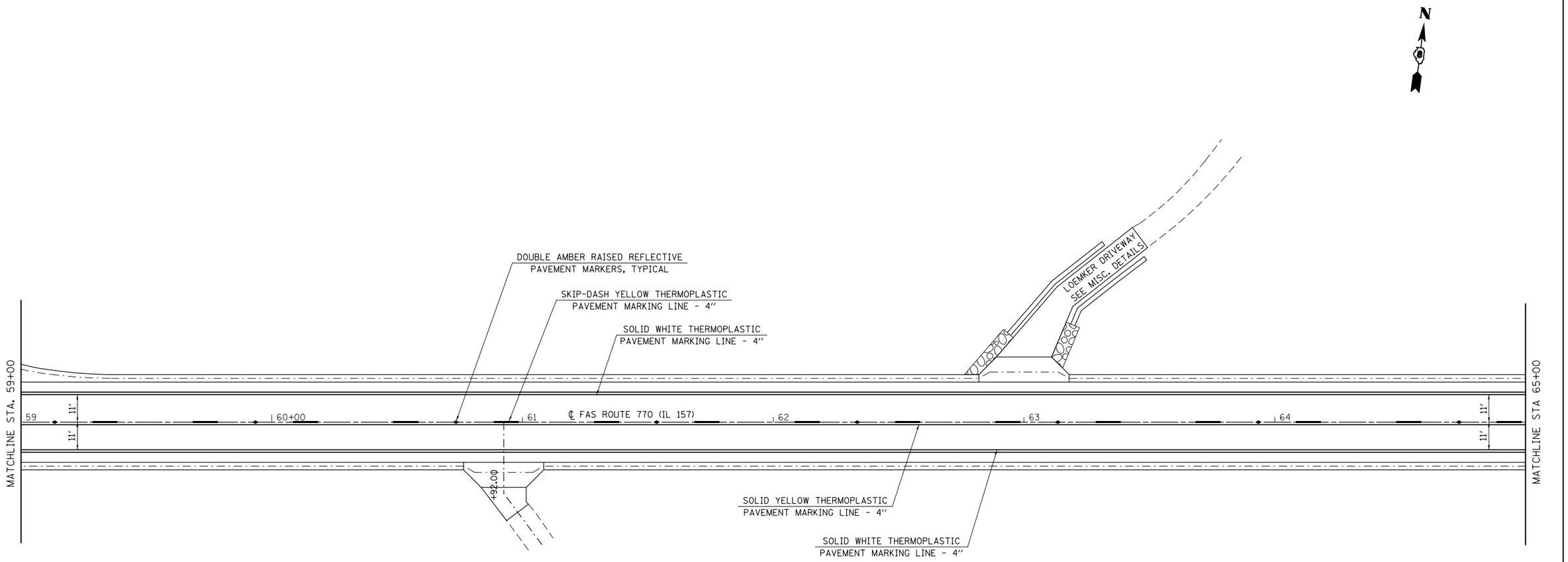
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	PLOT DATE = 2/9/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEET

SCALE: 1'' = 20' | SHEET 2 OF 5 SHEETS | STA. 53+00.00 TO STA. 59+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	71
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		



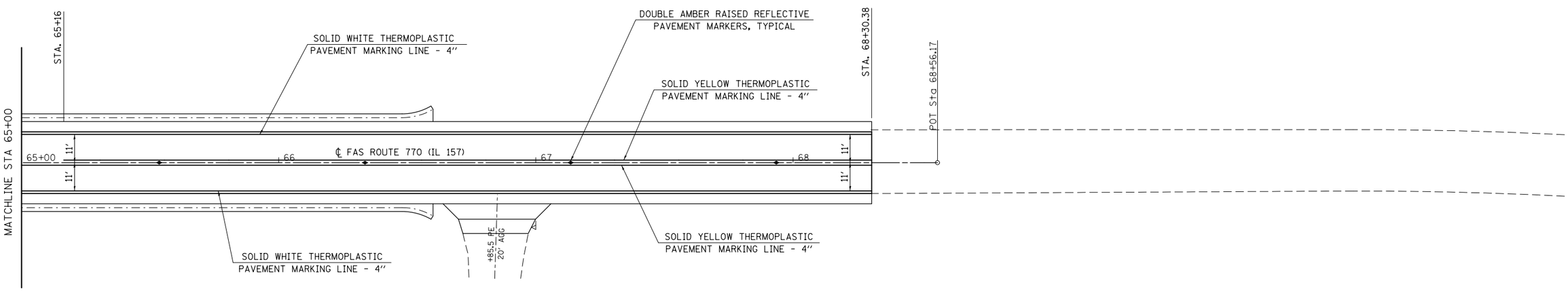
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		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/9/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEET

SCALE: 1" = 20' | SHEET 3 OF 5 SHEETS | STA. 59+00.00 TO STA. 65+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	72
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



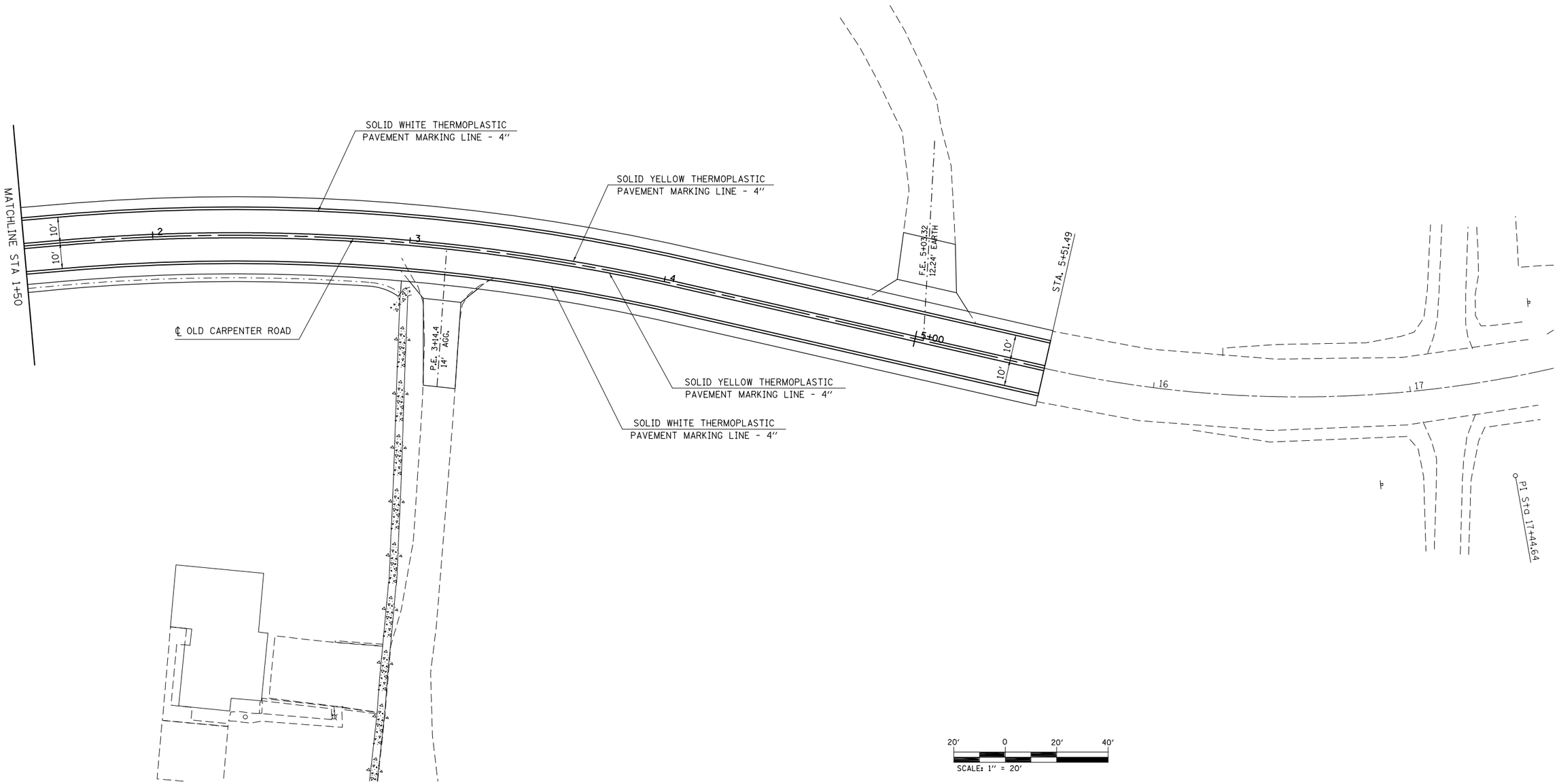
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		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/9/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEET

SCALE: 1" = 20' | SHEET 4 OF 5 SHEETS | STA. 65+00.00 TO STA. 68+56.17

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	73
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEET

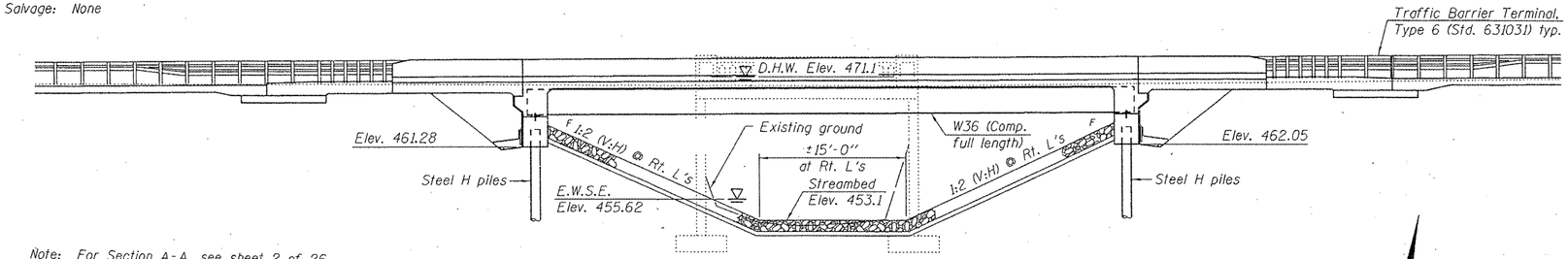
SCALE: 1" = 20' | SHEET 5 OF 5 SHEETS | STA. 1+50.00 | TO STA. 5+51.49

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	74
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

Bench Marks: Chiseled "□" in top of NE wingwall. 17.2' Lt. Sta. 55+86.4: Elev. 468.92
R.R. spike in 16' elm. 40' Lt. Sta. 61+05: Elev. 484.73.

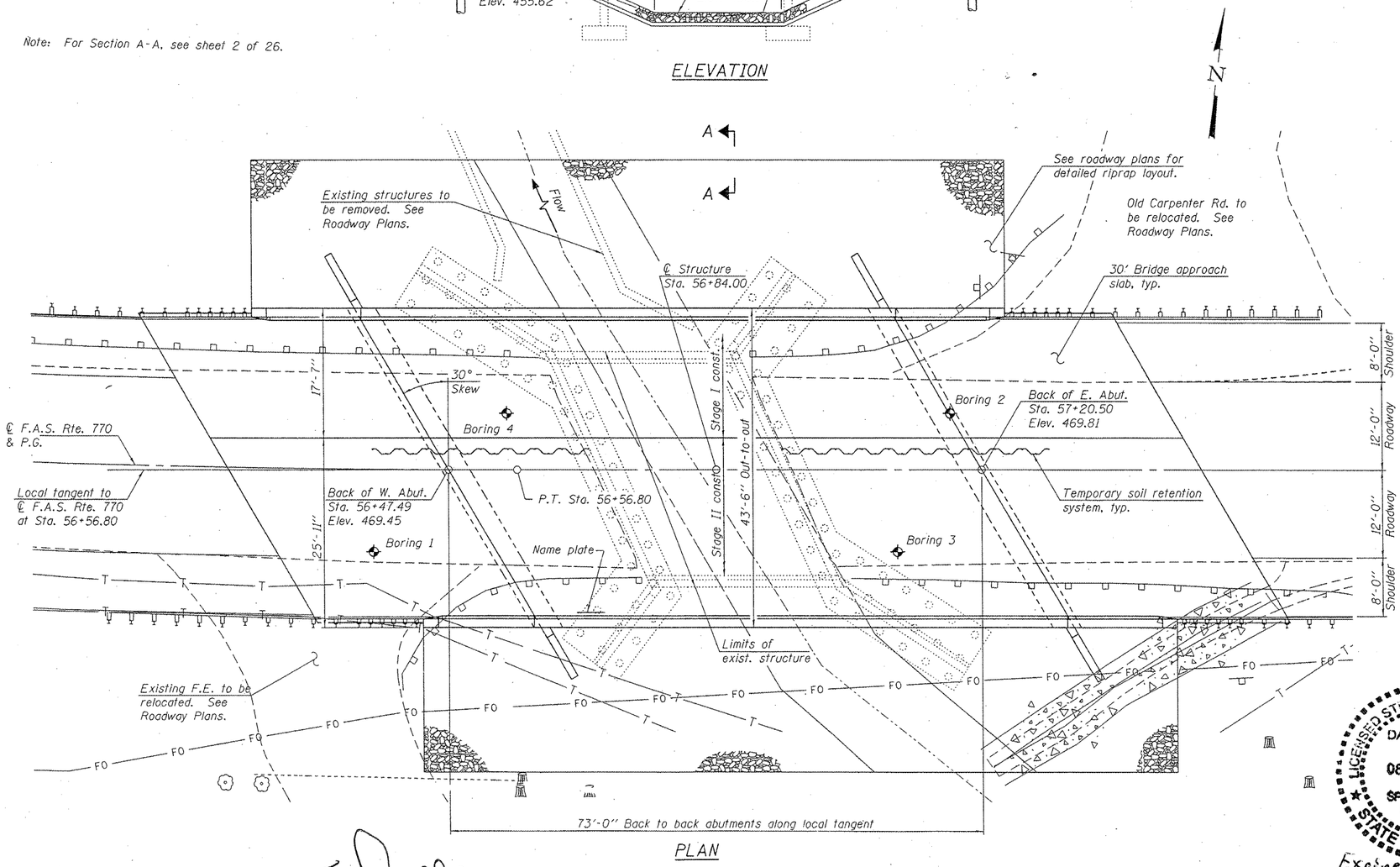
Existing structure: Structure No. 060-0072 built 1930 as S.B.I. Route 4, Section 64-B at Sta. 56+81 as a single span slab bridge, 24'-1" back to back abutments, 32'-2" out to out width. Existing structure is to be removed and replaced. Traffic will be maintained utilizing stage construction.

Salvage: None



Note: For Section A-A, see sheet 2 of 26.

ELEVATION



PLAN

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications,
5th Edition with 2010 Interims

DESIGN STRESSES

FIELD UNITS

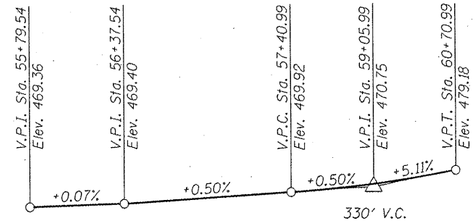
f'c = 3,500 psi
fy = 50,000 psi (Structural steel, M270 Gr 50W)
fy = 60,000 psi (Reinforcement)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

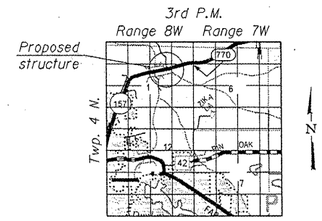
Seismic Performance Zone (SPZ) = 3
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.330
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.741
Soil Site Class = E



PROFILE GRADE
(Along ℄ roadway)

STATION 56+84.00
BUILT 20 BY
STATE OF ILLINOIS
F.A.S. RTE. 770 SEC. 64-1BR
LOADING HL-93
STRUCTURE NO. 060-0204

NAME PLATE
See Std. 515001



LOCATION SKETCH

LICENSED STRUCTURAL ENGINEER
DAVID CARL PUZEY
081-005470
SPRINGFIELD
ILLINOIS
STATE OF ILLINOIS
Expires 11/30/12

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 157 OVER
SUGAR CREEK
F.A.S. ROUTE 770 SEC. 64-1BR
MADISON COUNTY
STA. 56+84.00
STRUCTURE NO. 060-0204

DESIGNED - S.M. Ryan	EXAMINED	DATE - 3-20-12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION STRUCTURE NO. 060-0204
CHECKED - Fesseha Tekleab				SHEET NO. 1 OF 26 SHEETS
DRAWN - n.t. duong	PASSED			
CHECKED - SMR/FT/GRA				

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	75
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		167.5	167.5
Stone Riprap, Class A4	Sq. Yd.		869	869
Filter Fabric	Sq. Yd.		869	869
Removal of Existing Structure No. 1	Each	1		1
Structure Excavation	Cu. Yd.		71.8	71.8
Concrete Structures	Cu. Yd.		77.9	77.9
Concrete Superstructure	Cu. Yd.	258.3		258.3
Bridge Deck Grooving	Sq. Yd.	567		567
Concrete Encasement	Cu. Yd.		5.0	5.0
Protective Coat	Sq. Yd.	690		690
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1239		1239
Reinforcement Bars, Epoxy Coated	Pound	62090	8070	70160
Bar Splicers	Each	477	102	579
Steel Railing (Temporary)	Foot	27.0		27.0
Furnishing Steel Piles HP12x53	Foot		988	988
Driving Piles	Foot		988	988
Test Pile Steel HP12x53	Each		1	1
Temporary Soil Retention System	Sq. Ft.		616	616
Name Plates	Each	1		1
Anchor Bolt 1'' ϕ	Each	28		28
Geocomposite Wall Drain	Sq. Yd.		81.2	81.2
Pipe Underdrains for Structures, 4''	Foot		186	186

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 3. Bolts $\frac{3}{4}$'' ϕ, holes $\frac{15}{16}$'' ϕ, unless otherwise noted.

Calculated weight of Structural Steel = 85300 lbs.

All structural steel shall be AASHTO M 270 Grade 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I Removal to ensure the remaining portion will not be prematurely damaged.

WATERWAY INFORMATION

Drainage Area = 12.3 mi.²

Existing Low Grade Elev. = 469.0′ @ Sta. 56+57
Proposed Low Grade Elev. = 469.1′ @ Sta. 56+00

Flood	Freq. Year	*Structure No.	Discharge (cfs) Exist.	Discharge (cfs) Prop.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	10	060-0072	3	879	262	535	466.8	0.1	——	466.9	466.8
		060-0234	2752	1876	1168	1168					
		Total	2755	2755	1430	1703					
	50	060-0072	850	1393	278	535	471.1	——	0.1	471.1	471.2
		060-0234	3610	3067	1198	1198					
		Total	4460	4460	1476	1733					
Base	100	060-0072	1000	1639	278	535	473.8	——	——	473.8	473.8
		060-0234	4250	3611	1198	1198					
		Total	5250	5250	1476	1733					
Overtopping	20	060-0072	648	1062	278	535	469.0	0.1	0.1	469.1	469.1
		060-0234	2752	2338	1198	1198					
		Total	3400	3400	1476	1733					

10 year velocity through existing bridge = 0 ft/s
10 year velocity through proposed bridge = 1.6 ft/s

Downstream railroad structure is very constrictive and creates a tailwater condition at the Illinois 157 bridges.

*IL 157 over Sugar Creek (SN 060-0072) is an overflow structure for IL 157 over Mooney Creek (SN 060-0234), and shares the same floodplain.

DESIGN SCOUR ELEVATION TABLE

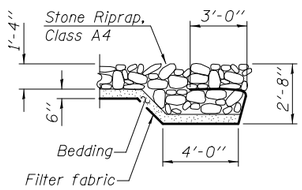
	W. Abut.	E. Abut.
Design Scour Elev. 50 Year (ft.)	461.28	462.05

INDEX OF SHEETS

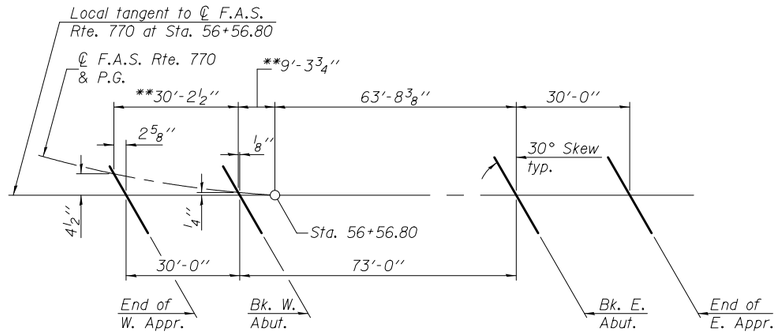
1 General Plan & Elevation
2 General Data
3 Stage Construction & Temporary Soil Retention System Details
4 Steel Railing (Temporary)
5 Temporary Concrete Barrier for Stage Construction
6-7 Top of Slab Elevations
8 Top of West Approach Slab Elevations
9 Top of East Approach Slab Elevations
10 Superstructure
11 Superstructure Details
12-13 Diaphragm Details
14-16 Bridge Approach Slab Details
17 Structural Steel
18 Structural Steel Details
19 West Abutment
20 East Abutment
21 Bar Splicer Assembly Details
22 Steel H Pile Details
22A Concrete Parapet Slipforming Option
23-26 Soil Boring Logs

CURVE DATA

Δ = 6°29′54″ Lt.
D = 2°46′24″
T = 117.29′
L = 234.32′
E = 3.33′
R = 2,066.01′
S.E. = 4.8%
P.C. = Sta. 54+22.48
P.T. = Sta. 56+56.80
P.I. = Sta. 55+39.77
S.E. begins Sta. 52+99.9
Max. S.E. at Sta. 54+62.9 to Sta. 56+16.4
Normal crown at Sta. 57+79.4

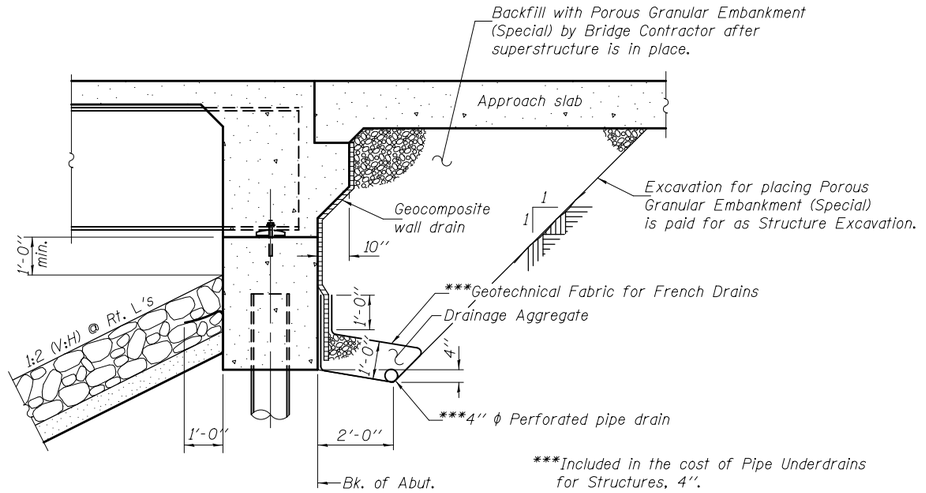


SECTION A-A



OFFSET SKETCH

**Along ℄ F.A.S. Rte. 770



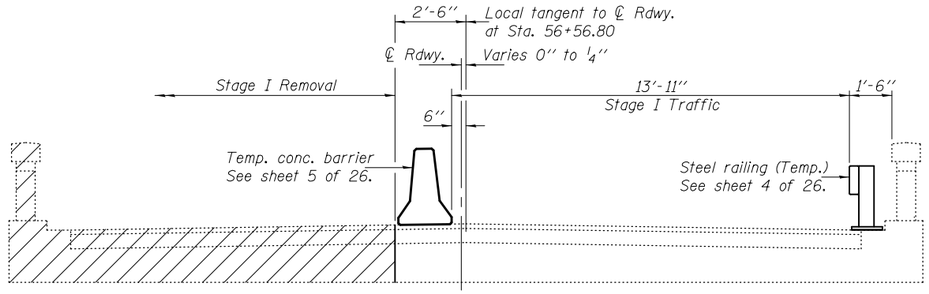
***Included in the cost of Pipe Underdrains for Structures, 4″.

SECTION THRU INTEGRAL ABUTMENT

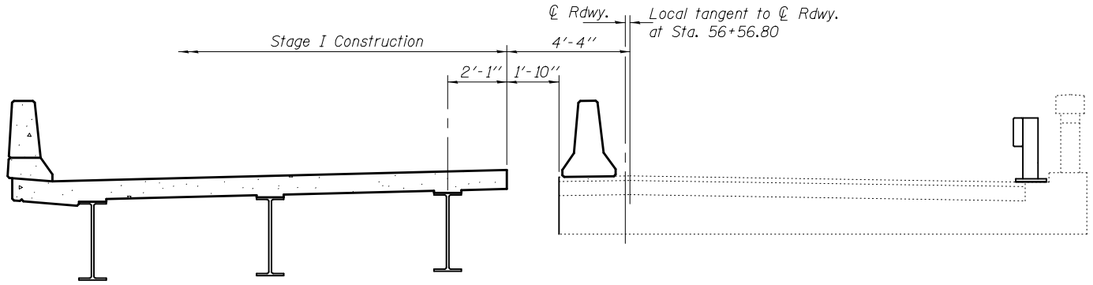
(Horiz. dim. @ Rt. L's)

All drainage system components shall extend to 2′-0″ from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

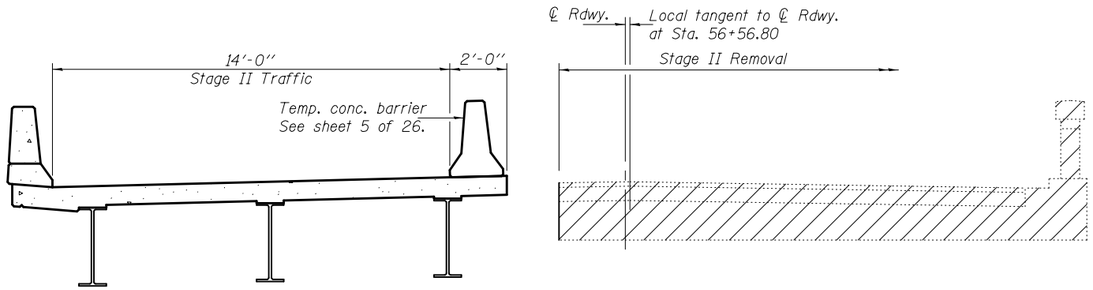
DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 060-0204	F.A.S. RTE. 770 / SECTION 64-1BR / COUNTY MADISON / TOTAL SHEETS 137 / SHEET NO. 76
CHECKED - Fess Teklehalmanot	PASSED	REVISED		SHEET NO. 2 OF 26 SHEETS	CONTRACT NO. 76401
DRAWN - h.t. duong	Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	REVISED			ILLINOIS FED. AID PROJECT
CHECKED - GRA/SMR/FT	J. Carl Ingy ENGINEER OF BRIDGES AND STRUCTURES				



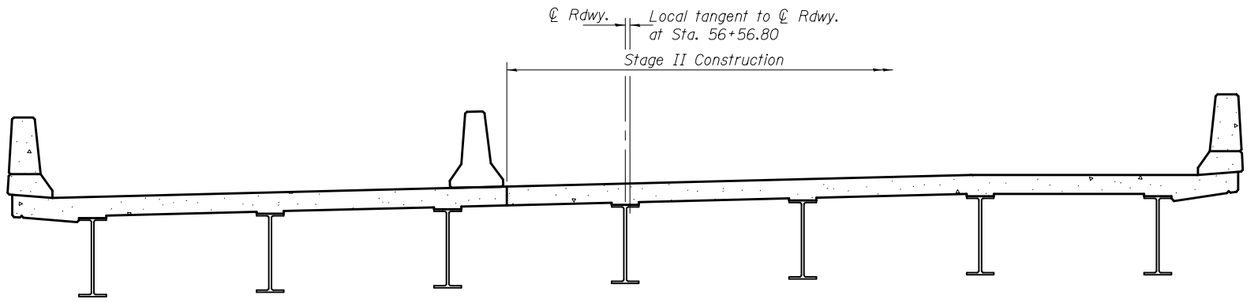
STAGE I REMOVAL



STAGE I CONSTRUCTION

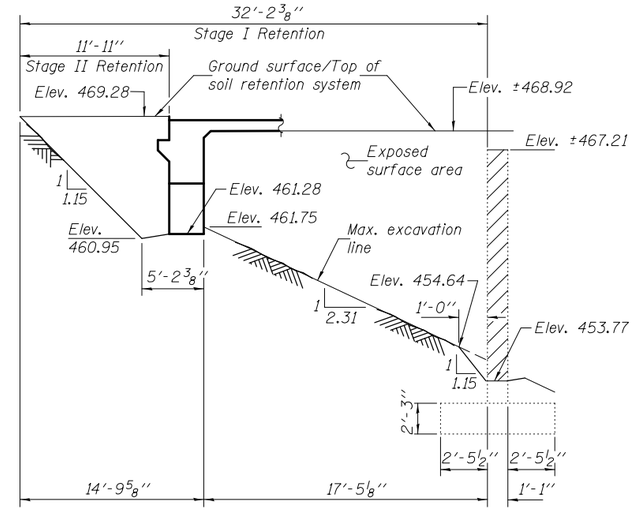


STAGE II REMOVAL



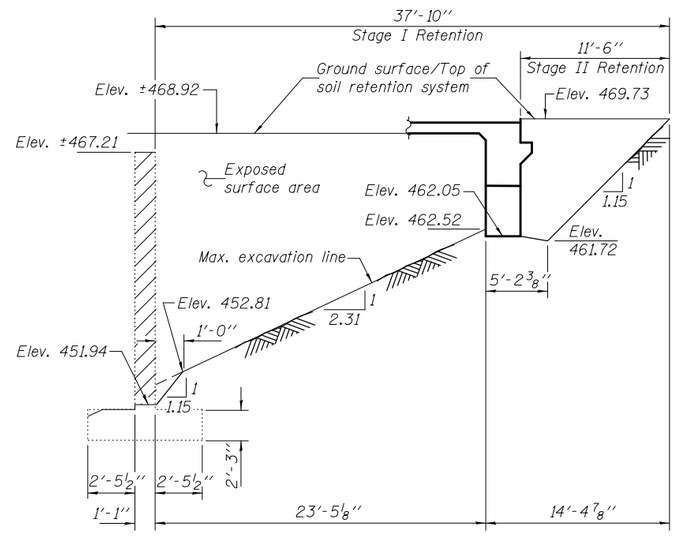
STAGE II CONSTRUCTION

Notes: All sections are looking East.
Hatched area indicates removal of existing superstructure.
For quantity of temporary concrete barrier, see Roadway Plans.



TEMPORARY SOIL RETENTION SYSTEM AT WEST ABUTMENT

Horizontal dimensions are taken along skew.



TEMPORARY SOIL RETENTION SYSTEM AT EAST ABUTMENT

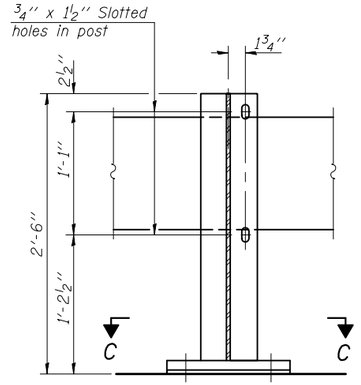
Horizontal dimensions are taken along skew.

Note: A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

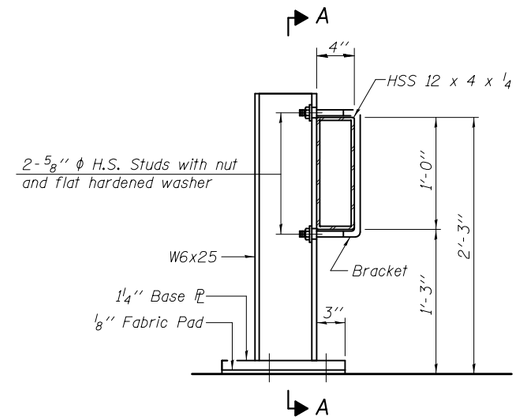
DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
CHECKED - Fess Teklehalmanot	Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN		
DRAWN - h.t. duong	PASSED	REVISED	
CHECKED - GRA/SMR/FT	A Carl Preuss ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STAGE CONSTRUCTION & TEMP. SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 060-0204
SHEET NO. 3 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	77
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



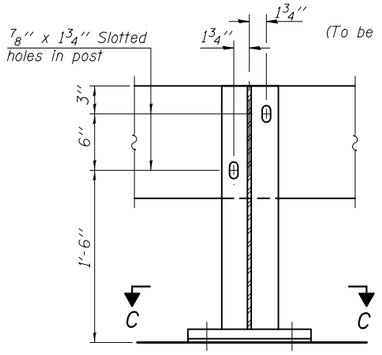
SECTION A-A



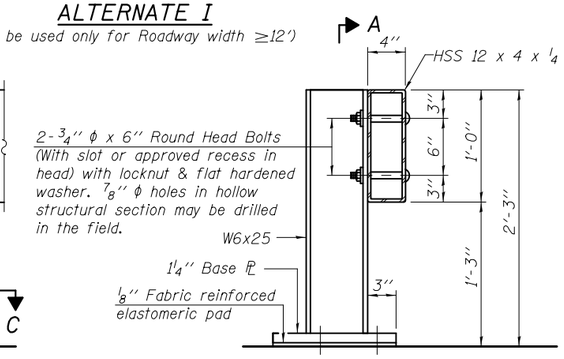
SECTION AT RAIL POST

ALTERNATE I

(To be used only for Roadway width ≥12')

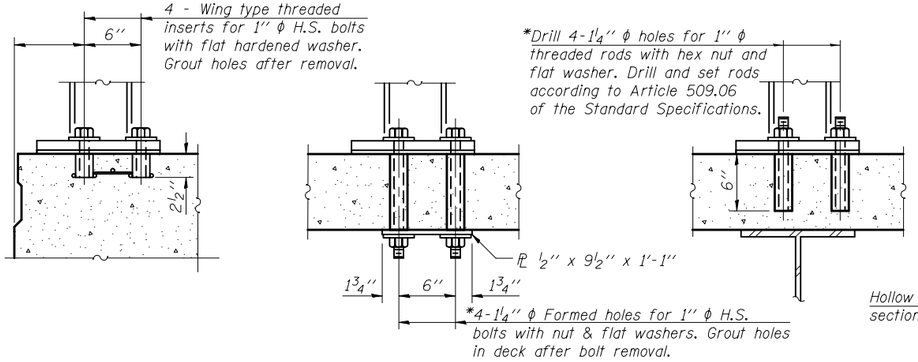


SECTION A-A



SECTION AT RAIL POST

ALTERNATE II

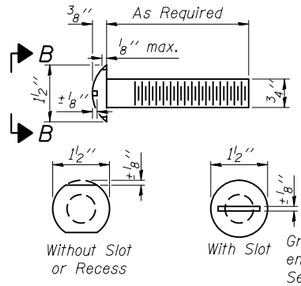


P.P.C. DECK BEAMS

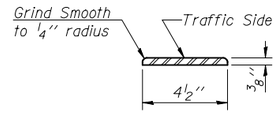
NEW & EXISTING DECKS

ANCHORAGE DETAILS

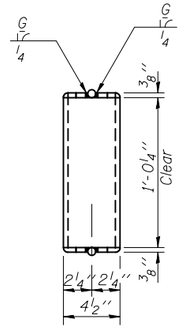
*Drilled holes for existing deck.



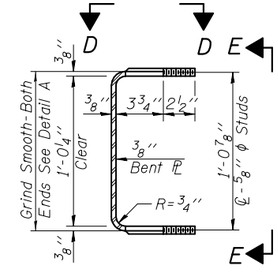
VIEW B-B
ROUND HEAD BOLT



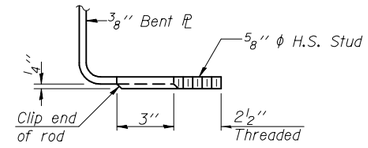
DETAIL A



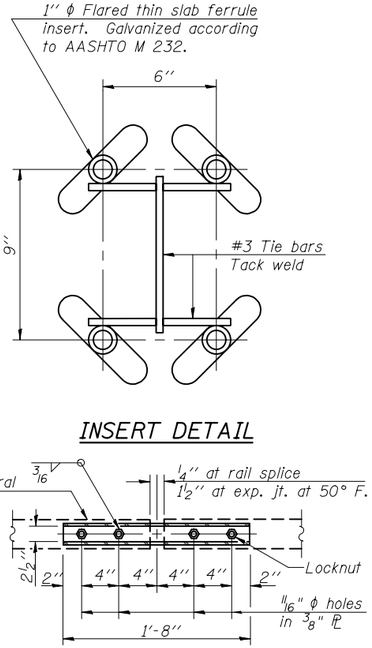
VIEW E-E



SECTION THRU BRACKET

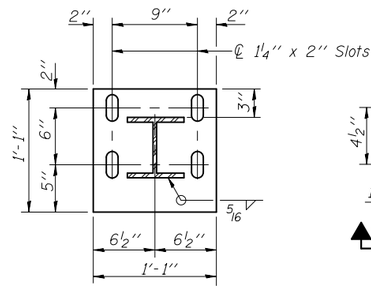


VIEW F-F

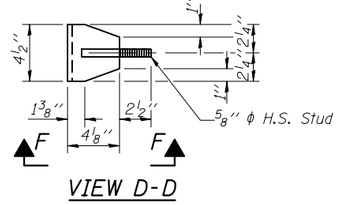


INSERT DETAIL

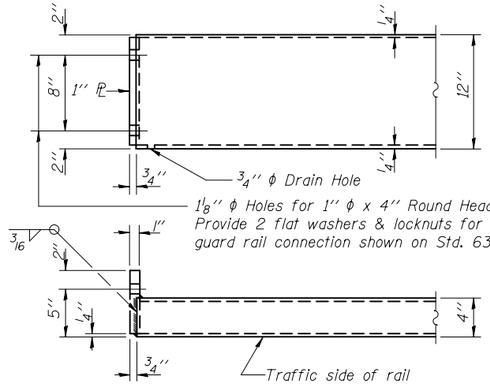
PLAN-BOTT. SPLICE PL
TYPICAL



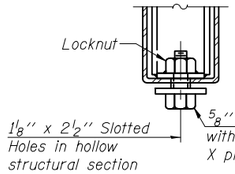
SECTION C-C



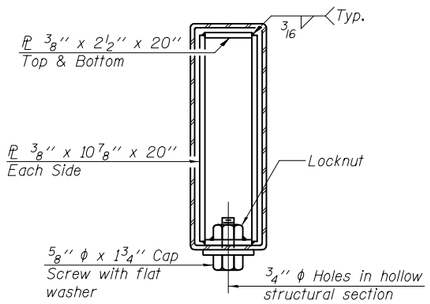
VIEW D-D



END OF RAIL DETAILS



RAIL SPLICE CONNECTION
AT EXPANSION JT.



SECTION AT RAIL SPLICE

Notes:
The contact surfaces between post flange, rail and inside face of bracket for Alternate I shall be free of all lubricants.
The nut for 5/8" ϕ high strength studs used in Alternate I to connect bracket to post shall be tightened to a snug fit and given an additional one half turn.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing (Temporary)	Foot	27.0

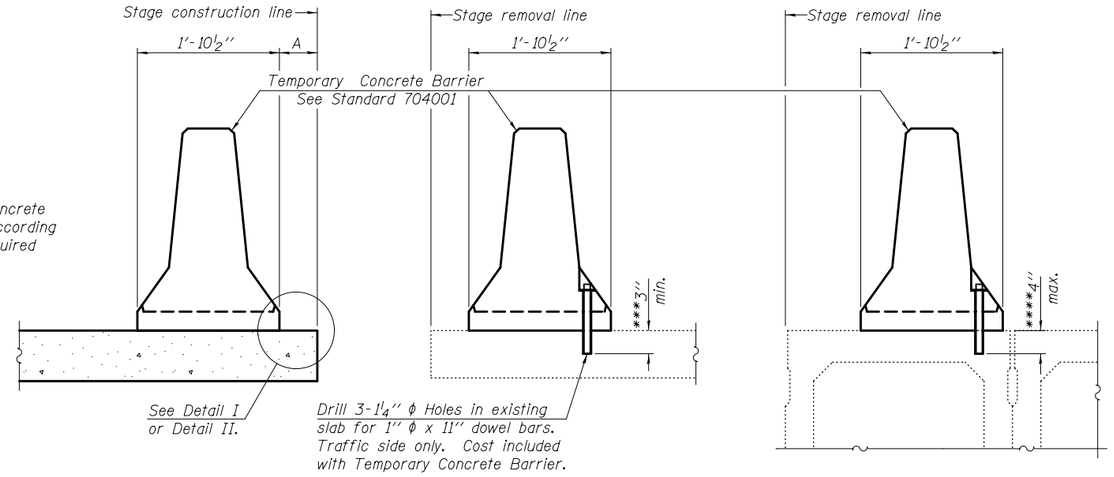
R-25 1-27-12 (10'-9" Maximum Post Spacing)

DESIGNED - Stephen M. Ryan	EXAMINED Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - Fess Teklehalmanot			
DRAWN - h.t. duong	PASSED Carl Puzey ENGINEER OF BRIDGES AND STRUCTURES	REVISED	
CHECKED - GRA/SMR/FT		REVISED	

STEEL RAILING (TEMPORARY)
STRUCTURE NO. 060-0204
SHEET NO. 4 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	78
		CONTRACT NO. 76401		
		ILLINOIS	FED. AID PROJECT	

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB | EXISTING SLAB | EXISTING DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1'' x 7' 'x ''W'' steel PL to the top layer of couplers with 2-$\frac{5}{8}$'' ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1'' x 7'' x ''W'' steel PL to the concrete slab or concrete wearing surface with 2-$\frac{5}{8}$'' ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

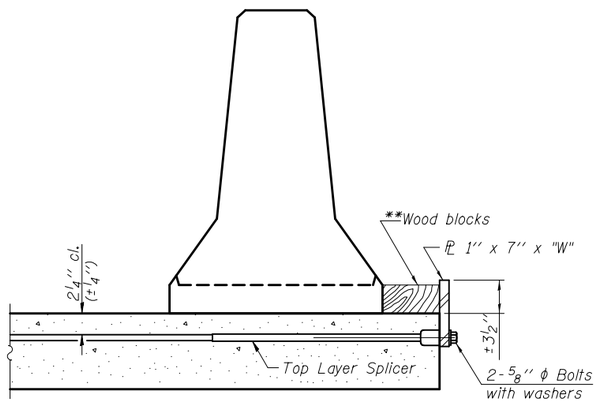
Cost of anchorage is included with Temporary Concrete Barrier.

The 1'' x 7'' x ''W'' plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

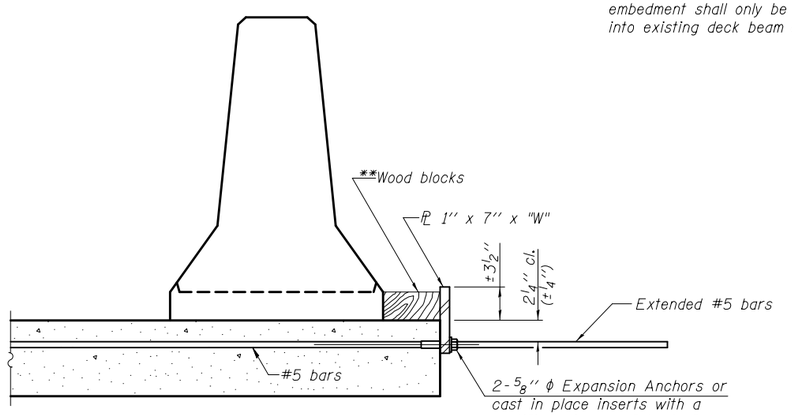
SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

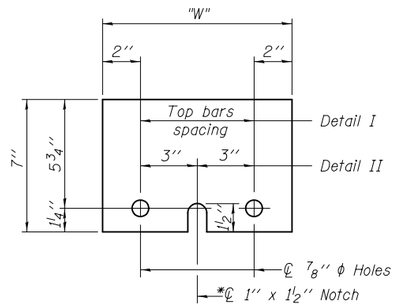
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1'' x 7'' x ''W''

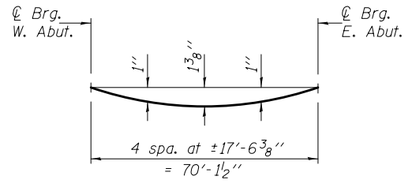
* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4''

R-27 7-1-10

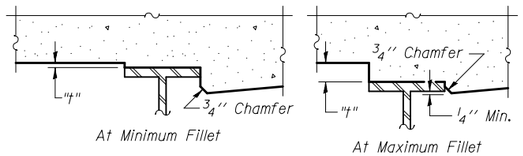
DESIGNED - Stephen M. Ryan	EXAMINED	Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot						770	64-1BR	MADISON	137	79
DRAWN - h.t. duong	PASSED	J. Carl Ivey ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 5 OF 26 SHEETS			CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT			REVISED				ILLINOIS	FED. AID PROJECT		



DEAD LOAD DEFLECTION DIAGRAM

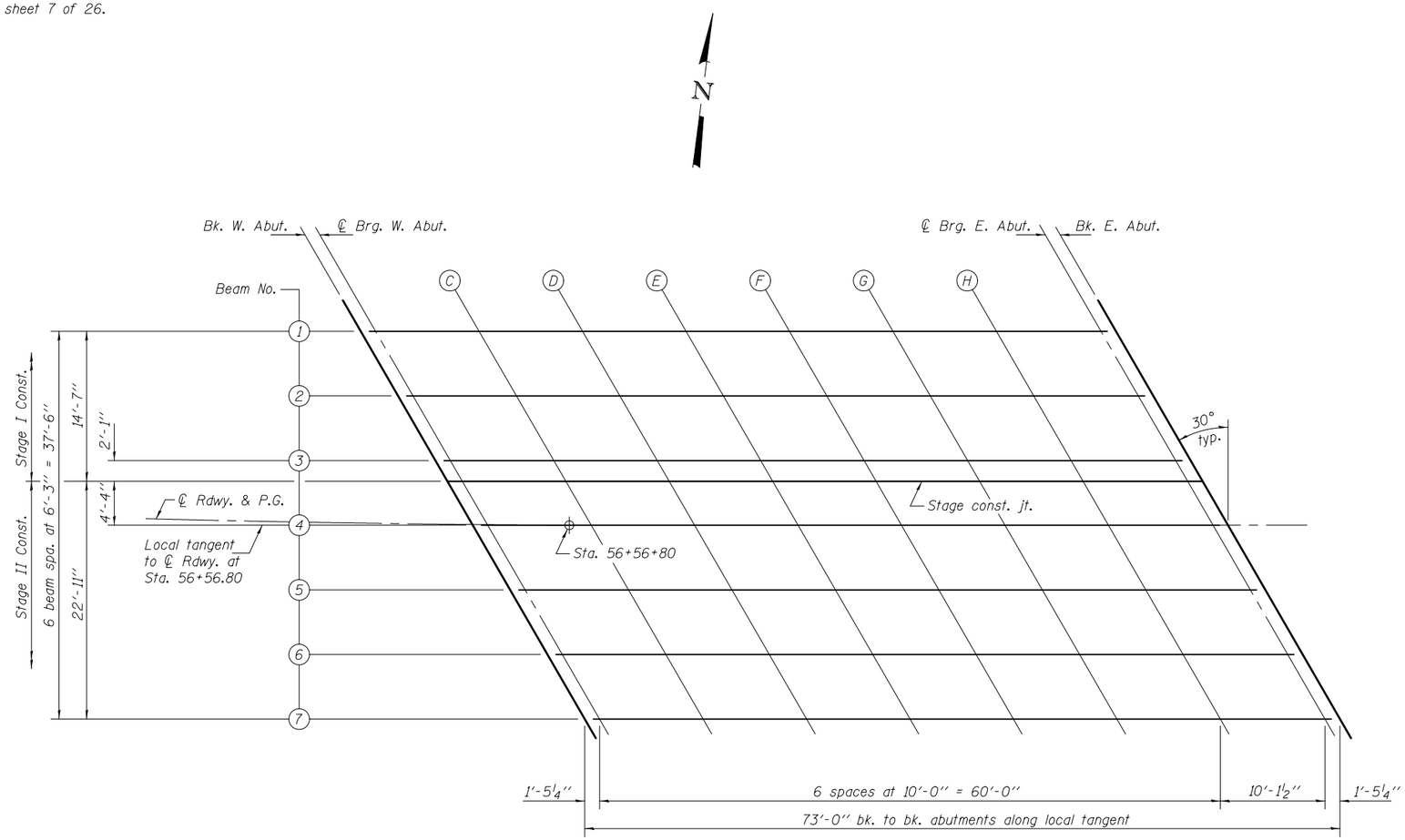
(Includes weight of concrete only.)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheet 7 of 26.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus 8'' slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS**	**TOP OF SLAB ELEVATIONS**	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot			**DEPARTMENT OF TRANSPORTATION**	**STRUCTURE NO. 060-0204**	770	64-1BR	MADISON	137	80
DRAWN - h.t. duong	PASSED	REVISED		SHEET NO. 6 OF 26 SHEETS				CONTRACT NO. 76401	
CHECKED - GRA/SMR/FT		REVISED					ILLINOIS	FED. AID PROJECT	

ENGINEER OF BRIDGE DESIGN

ENGINEER OF BRIDGES AND STRUCTURES

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+36.39	-18.82	468.61	468.61
℄ Brg. W. Abut.	56+37.85	-18.83	468.65	468.65
C	56+47.94	-18.90	468.78	468.83
D	56+58.02	-18.92	468.90	468.99
E	56+68.02	-18.92	469.02	469.13
F	56+78.02	-18.92	469.14	469.25
G	56+88.02	-18.92	469.26	469.35
H	56+98.02	-18.92	469.36	469.41
℄ Brg. E. Abut.	57+08.13	-18.92	469.42	469.42
Bk. E. Abut.	57+09.58	-18.92	469.43	469.43

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+40.08	-12.60	468.92	468.92
℄ Brg. W. Abut.	56+41.53	-12.61	468.94	468.94
C	56+51.60	-12.66	469.04	469.09
D	56+61.63	-12.67	469.14	469.23
E	56+71.63	-12.67	469.23	469.34
F	56+81.63	-12.67	469.34	469.45
G	56+91.63	-12.67	469.43	469.52
H	57+01.63	-12.67	469.52	469.57
℄ Brg. E. Abut.	57+11.74	-12.67	469.57	469.57
Bk. E. Abut.	57+13.18	-12.67	469.59	469.59

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+43.75	-6.38	469.19	469.19
℄ Brg. W. Abut.	56+45.20	-6.38	469.20	469.20
C	56+55.23	-6.42	469.28	469.33
D	56+65.24	-6.42	469.35	469.44
E	56+75.24	-6.42	469.43	469.54
F	56+85.24	-6.42	469.50	469.61
G	56+95.24	-6.42	469.58	469.67
H	57+05.24	-6.42	469.64	469.69
℄ Brg. E. Abut.	57+15.35	-6.42	469.69	469.69
Bk. E. Abut.	57+16.79	-6.42	469.70	469.70

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+44.97	-4.30	469.28	469.28
℄ Brg. W. Abut.	56+46.42	-4.31	469.28	469.28
C	56+56.44	-4.33	469.35	469.40
D	56+66.44	-4.33	469.42	469.51
E	56+76.44	-4.33	469.48	469.59
F	56+86.44	-4.33	469.55	469.66
G	56+96.44	-4.33	469.62	469.71
H	57+06.44	-4.33	469.67	469.72
℄ Brg. E. Abut.	57+16.55	-4.33	469.72	469.72
Bk. E. Abut.	57+18.00	-4.33	469.73	469.73

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+47.40	-0.14	469.45	469.45
℄ Brg. W. Abut.	56+48.84	-0.15	469.46	469.46
C	56+58.84	-0.17	469.50	469.55
D	56+68.84	-0.17	469.56	469.65
E	56+78.84	-0.17	469.61	469.72
F	56+88.84	-0.17	469.66	469.77
G	56+98.84	-0.17	469.71	469.80
H	57+08.84	-0.17	469.76	469.81
℄ Brg. E. Abut.	57+18.96	-0.17	469.81	469.81
Bk. E. Abut.	57+20.40	-0.17	469.81	469.81

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+47.49	0.00	469.45	469.45
℄ Brg. W. Abut.	56+48.94	0.00	469.46	469.46
C	56+58.94	0.00	469.51	469.56
D	56+68.94	0.00	469.56	469.65
E	56+78.94	0.00	469.61	469.72
F	56+88.94	0.00	469.66	469.77
G	56+98.94	0.00	469.71	469.80
H	57+08.94	0.00	469.76	469.81
℄ Brg. E. Abut.	57+19.06	0.00	469.81	469.81
Bk. E. Abut.	57+20.50	0.00	469.81	469.81

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+51.03	6.09	469.68	469.68
℄ Brg. W. Abut.	56+52.47	6.09	469.68	469.68
C	56+62.45	6.08	469.70	469.75
D	56+72.45	6.08	469.73	469.82
E	56+82.45	6.08	469.76	469.87
F	56+92.45	6.08	469.78	469.89
G	57+02.45	6.08	469.81	469.90
H	57+12.45	6.08	469.83	469.88
℄ Brg. E. Abut.	57+22.57	6.08	469.87	469.87
Bk. E. Abut.	57+24.01	6.08	469.87	469.87

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+54.63	12.33	469.89	469.89
℄ Brg. W. Abut.	56+56.07	12.33	469.89	469.89
C	56+66.06	12.33	469.89	469.94
D	56+76.06	12.33	469.89	469.98
E	56+86.06	12.33	469.90	470.01
F	56+96.06	12.33	469.90	470.01
G	57+06.06	12.33	469.90	469.99
H	57+16.06	12.33	469.90	469.95
℄ Brg. E. Abut.	57+26.18	12.33	469.90	469.90
Bk. E. Abut.	57+27.62	12.33	469.90	469.90

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	56+58.23	18.58	470.08	470.08
℄ Brg. W. Abut.	56+59.67	18.58	470.08	470.08
C	56+69.67	18.58	470.05	470.10
D	56+79.67	18.58	470.03	470.12
E	56+89.67	18.58	470.00	470.11
F	56+99.67	18.58	469.98	470.09
G	57+09.67	18.58	469.96	470.05
H	57+19.67	18.58	469.93	469.98
℄ Brg. E. Abut.	57+29.78	18.58	469.91	469.91
Bk. E. Abut.	57+31.23	18.58	469.90	469.90

DESIGNED -	Stephen M. Ryan	EXAMINED	Thomas J. Domagalski, ENGINEER OF BRIDGE DESIGN
CHECKED -	Fess Teklehaimanot	PASSED	ENGINEER OF BRIDGES AND STRUCTURES
DRAWN -	h.t. duong	DATE -	MARCH 20, 2012
CHECKED -	GRA/SMR/FT	REVISED	
		REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 060-0204
SHEET NO. 7 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	81
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

NORTH CURB LINE

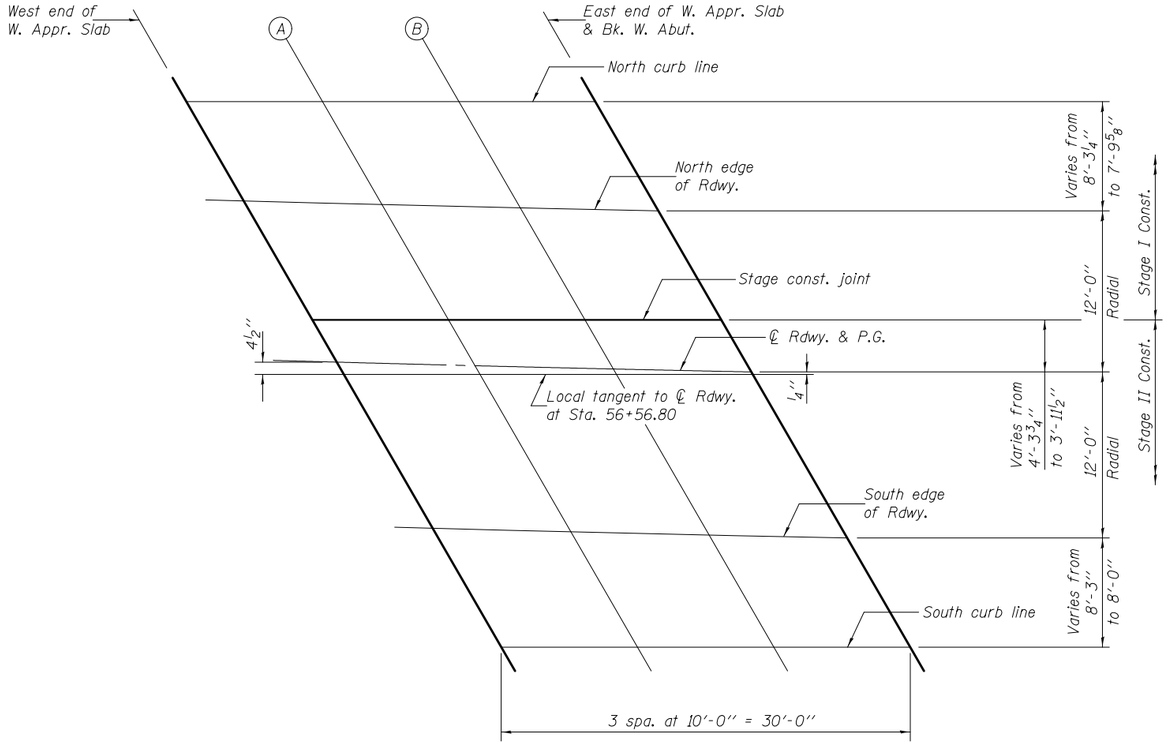
Location	Station	Offset	Theoretical Grade Elevations
West end of W. Appr. Slab	5605.26	-19.70	468.43
A	5615.36	-19.92	468.43
B	5625.45	-20.10	468.50
East end of W. Appr. Slab	5635.55	-20.23	468.58

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West end of W. Appr. Slab	5609.99	-12.00	468.81
A	5620.17	-12.00	468.83
B	5630.32	-12.00	468.88
East end of W. Appr. Slab	5640.44	-12.00	468.95

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
West end of W. Appr. Slab	5614.91	-3.91	469.20
A	5624.93	-4.09	469.21
B	5634.95	-4.22	469.23
East end of W. Appr. Slab	5644.97	-4.30	469.28



PLAN

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
West end of W. Appr. Slab	5617.28	0.00	469.39
A	5627.38	0.00	469.39
B	5637.45	0.00	469.40
East end of W. Appr. Slab	5647.49	0.00	469.45

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West end of W. Appr. Slab	5624.47	12.00	469.93
A	5634.49	12.00	469.89
B	5644.48	12.00	469.88
East end of W. Appr. Slab	5654.44	12.00	469.88

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
West end of W. Appr. Slab	5629.31	20.18	470.26
A	5639.22	20.08	470.19
B	5649.12	20.01	470.15
East end of W. Appr. Slab	5659.05	20.00	470.13

DESIGNED - Stephen M. Ryan	EXAMINED	Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF WEST APPROACH SLAB ELEVATIONS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot						770	64-1BR	MADISON	137	82
DRAWN - h.t. duong	PASSED		REVISED						CONTRACT NO. 76401	
CHECKED - GRA/SMR/FT		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 8 OF 26 SHEETS			ILLINOIS	FED. AID PROJECT	

NORTH CURB LINE

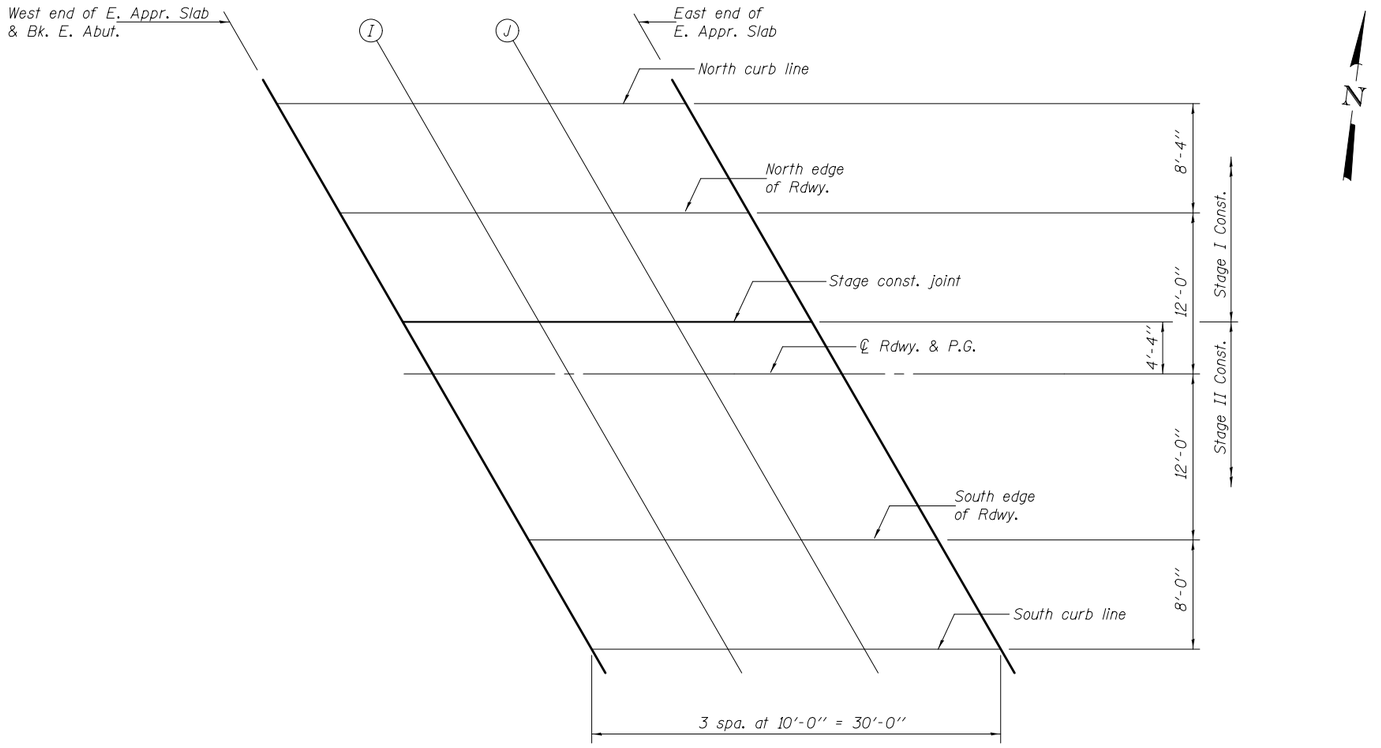
Location	Station	Offset	Theoretical Grade Elevations
West end of E. Appr. Slab	5708.76	-20.33	469.40
I	5718.76	-20.33	469.45
J	5728.76	-20.33	469.50
East end of E. Appr. Slab	5738.76	-20.33	469.55

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West end of E. Appr. Slab	5713.57	-12.00	469.59
I	5723.57	-12.00	469.64
J	5733.57	-12.00	469.69
East end of E. Appr. Slab	5743.57	-12.00	469.75

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
West end of E. Appr. Slab	5718.00	-4.33	469.73
I	5728.00	-4.33	469.78
J	5738.00	-4.33	469.83
East end of E. Appr. Slab	5748.00	-4.33	469.90



PLAN

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
West end of E. Appr. Slab	5720.50	0.00	469.81
I	5730.50	0.00	469.86
J	5740.50	0.00	469.91
East end of E. Appr. Slab	5750.50	0.00	469.98

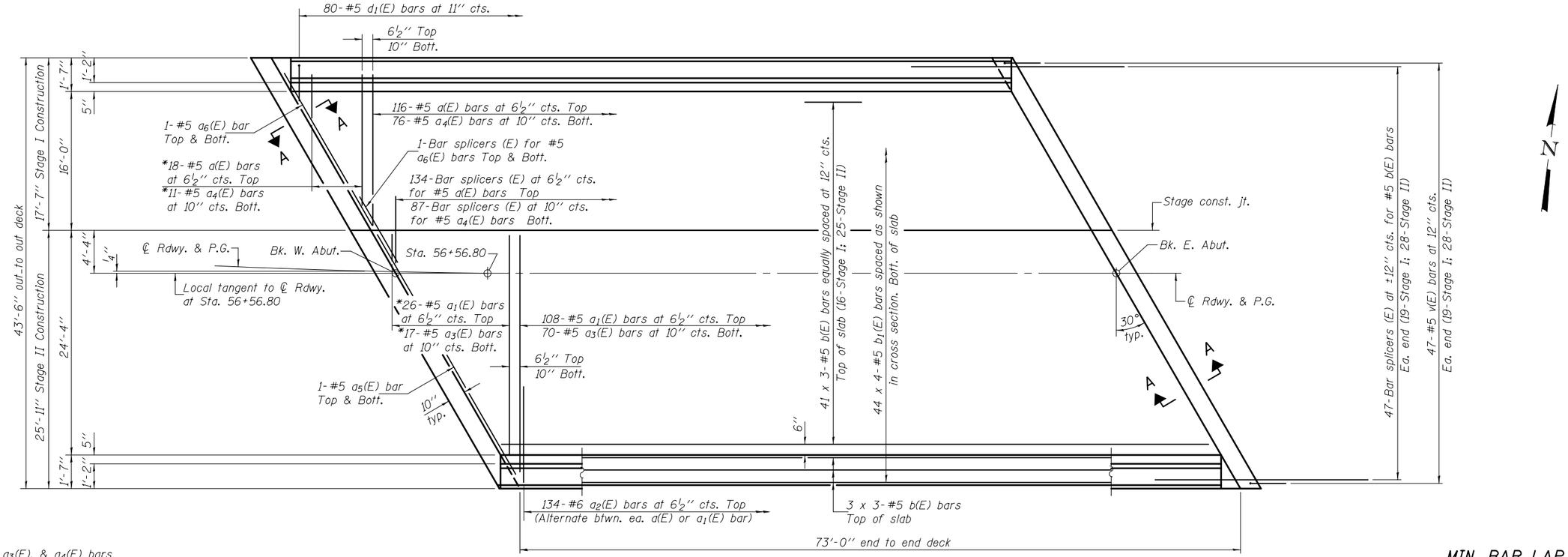
SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
West end of E. Appr. Slab	5727.43	12.00	469.91
I	5737.43	12.00	469.91
J	5747.43	12.00	469.92
East end of E. Appr. Slab	5757.43	12.00	469.94

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
West end of E. Appr. Slab	5732.05	20.00	469.90
I	5742.05	20.00	469.88
J	5752.05	20.00	469.86
East end of E. Appr. Slab	5762.05	20.00	469.85

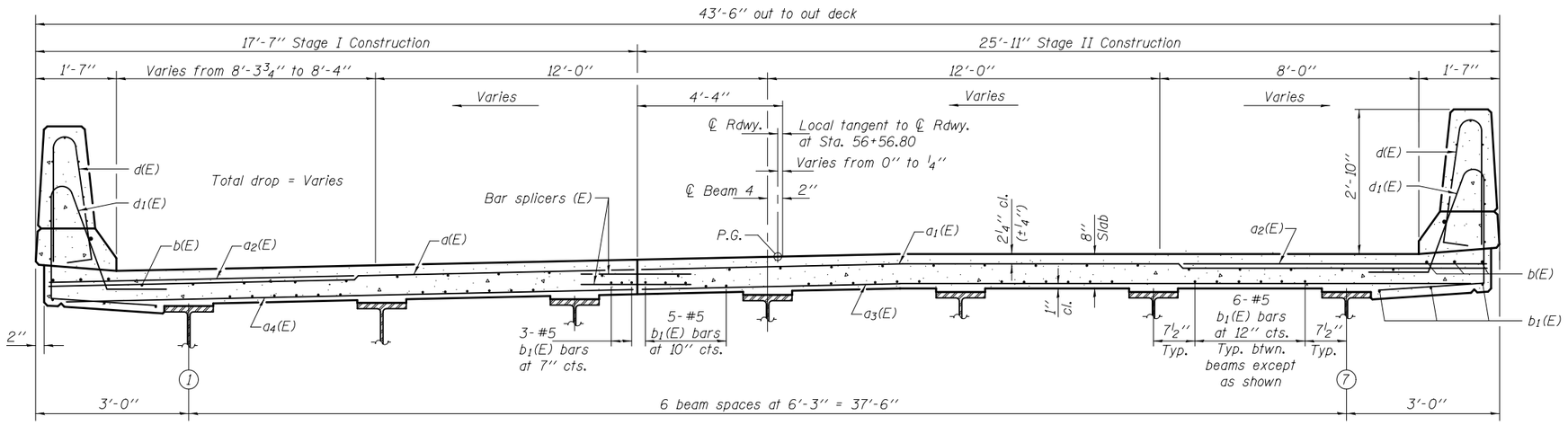
DESIGNED - Stephen M. Ryan	EXAMINED Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TOP OF EAST APPROACH SLAB ELEVATIONS STRUCTURE NO. 060-0204**	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot					770	64-1BR	MADISON	137	83
DRAWN - h.t. duong	PASSED J. Carl Hanneg ENGINEER OF BRIDGES AND STRUCTURES	REVISED					CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT		REVISED		SHEET NO. 9 OF 26 SHEETS			ILLINOIS FED. AID PROJECT		



PLAN

*Order a(E), a1(E), a3(E), & a4(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

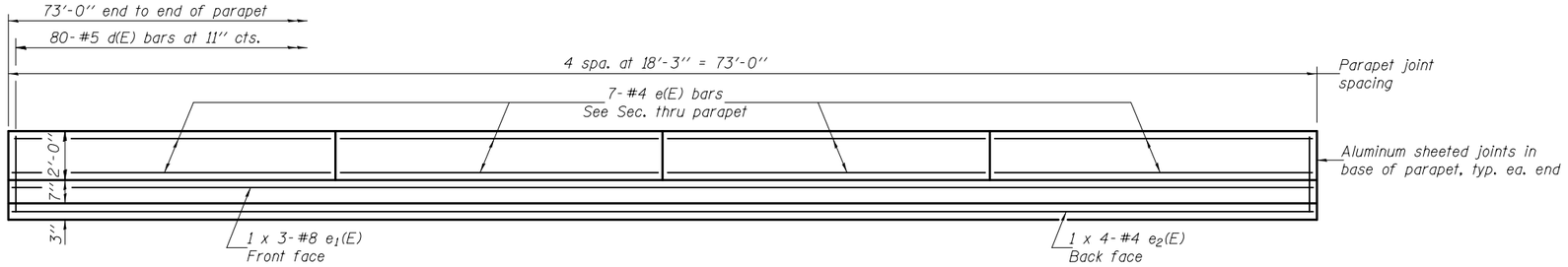
MIN. BAR LAP
#5 bar = 3'-3"



CROSS SECTION
(Looking east)

Notes:
See sheet 11 of 26 for superstructure details and Bill of Material.
Bars indicated thus 43 x 4-#5 etc. indicates 43 lines of bars with 4 lengths per line.
See sheet 11 of 26 for parapet reinforcement.
See sheet 13 of 26 for Section A-A.
See sheet 21 of 26 for bar splicer details.

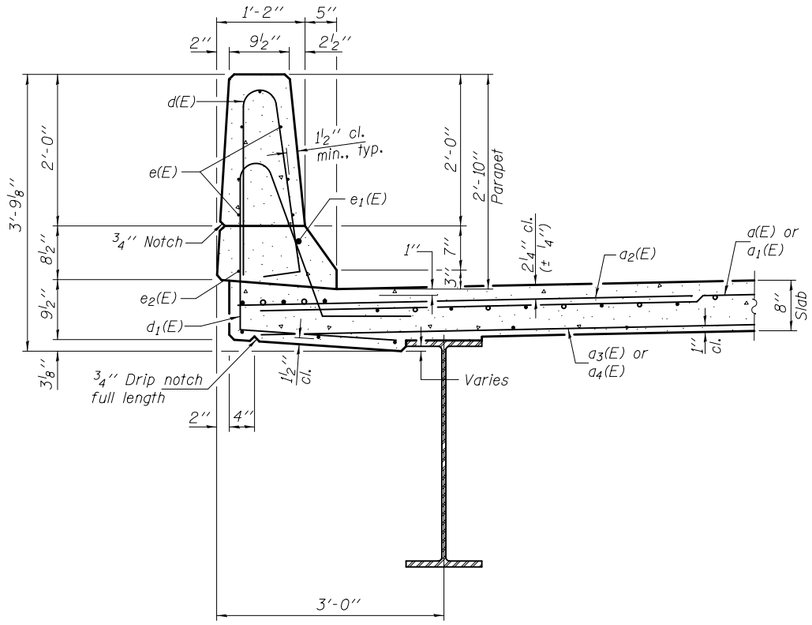
DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS**	**SUPERSTRUCTURE**	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot			**DEPARTMENT OF TRANSPORTATION**	**STRUCTURE NO. 060-0204**	770	64-1BR	MADISON	137	84
DRAWN - h.t. duong	PASSED	REVISED							
CHECKED - GRA/SMR/FT		REVISED		SHEET NO. 10 OF 26 SHEETS			CONTRACT NO. 76401		
	ENGINEER OF BRIDGE DESIGN						ILLINOIS FED. AID PROJECT		
	ENGINEER OF BRIDGES AND STRUCTURES								



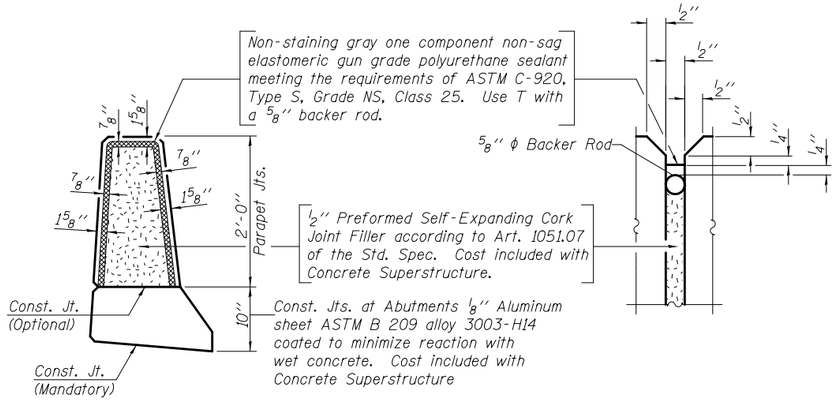
INSIDE ELEVATION OF PARAPET

MIN. BAR LAPS

(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"



SECTION THRU PARAPET

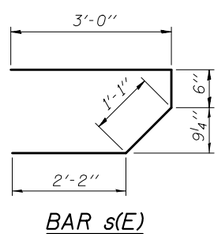


PARAPET JOINT DETAILS

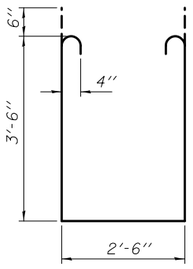
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	134	#5	17'-2"	
a_1(E)	134	#5	25'-6"	
a_2(E)	268	#6	6'-6"	
a_3(E)	87	#5	24'-6"	
a_4(E)	87	#5	16'-2"	
a_5(E)	4	#5	19'-9"	
a_6(E)	4	#5	29'-5"	
b(E)	141	#5	26'-6"	
b_1(E)	176	#5	20'-8"	
d(E)	160	#5	5'-7"	
d_1(E)	160	#5	7'-8"	
e(E)	56	#4	18'-0"	
e_1(E)	6	#8	27'-9"	
e_2(E)	8	#4	19'-9"	
m(E)	10	#6	20'-0"	
m_1(E)	10	#6	29'-7"	
m_2(E)	12	#6	8'-11"	
m_3(E)	16	#6	9'-11"	
m_4(E)	10	#6	7'-0"	
m_5(E)	4	#6	3'-2"	
m_6(E)	2	#6	4'-6"	
m_7(E)	2	#6	2'-1"	
s(E)	96	#5	6'-9"	
s_1(E)	96	#4	10'-6"	
v(E)	94	#5	3'-10"	
Reinforcement Bars, Epoxy Coated			Pound	26610
Concrete Superstructure			Cu. Yds.	130.3

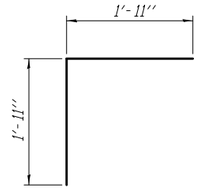
Bars indicated thus 1 x 3-#8 etc. indicates 1 line of bars with 3 lengths per line.



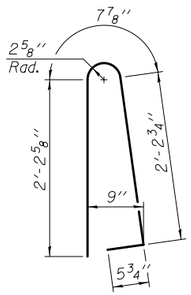
BAR s(E)



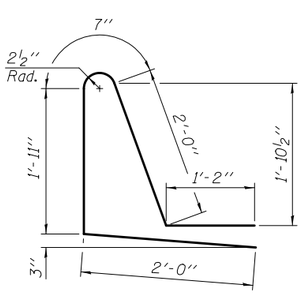
BAR s_1(E)



BAR v(E)



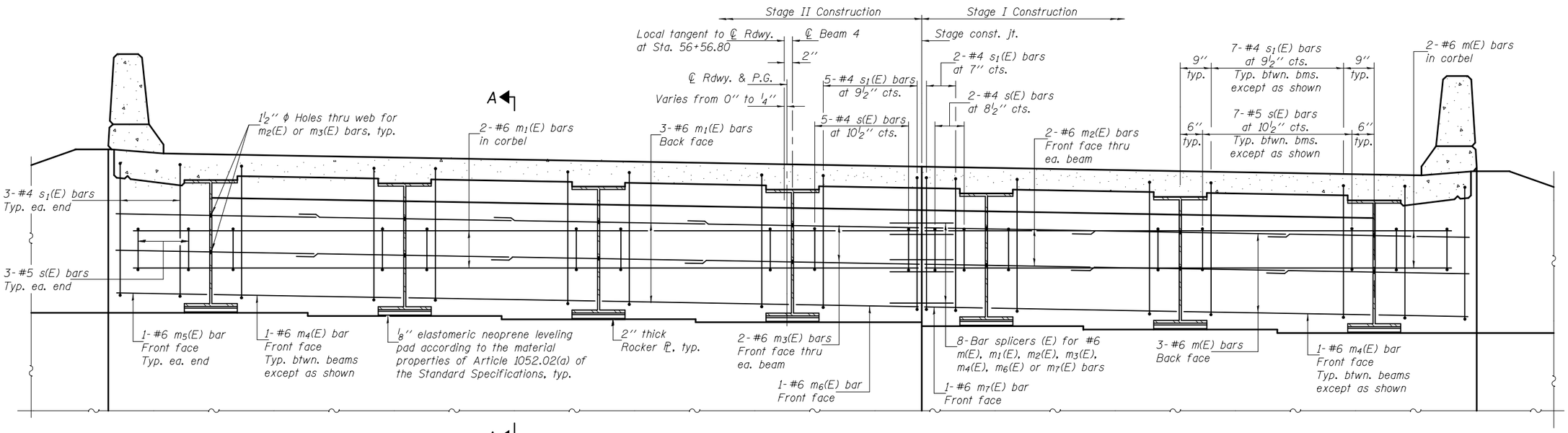
BAR d(E)



BAR d_1(E)

DESIGNED - Stephen M. Ryan	EXAMINED		DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUPERSTRUCTURE DETAILS STRUCTURE NO. 060-0204**
CHECKED - Fess Teklehalmanot		Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	REVISED		SHEET NO. 11 OF 26 SHEETS
DRAWN - h.t. duong	PASSED		REVISED		
CHECKED - GRA/SMR/FT		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		

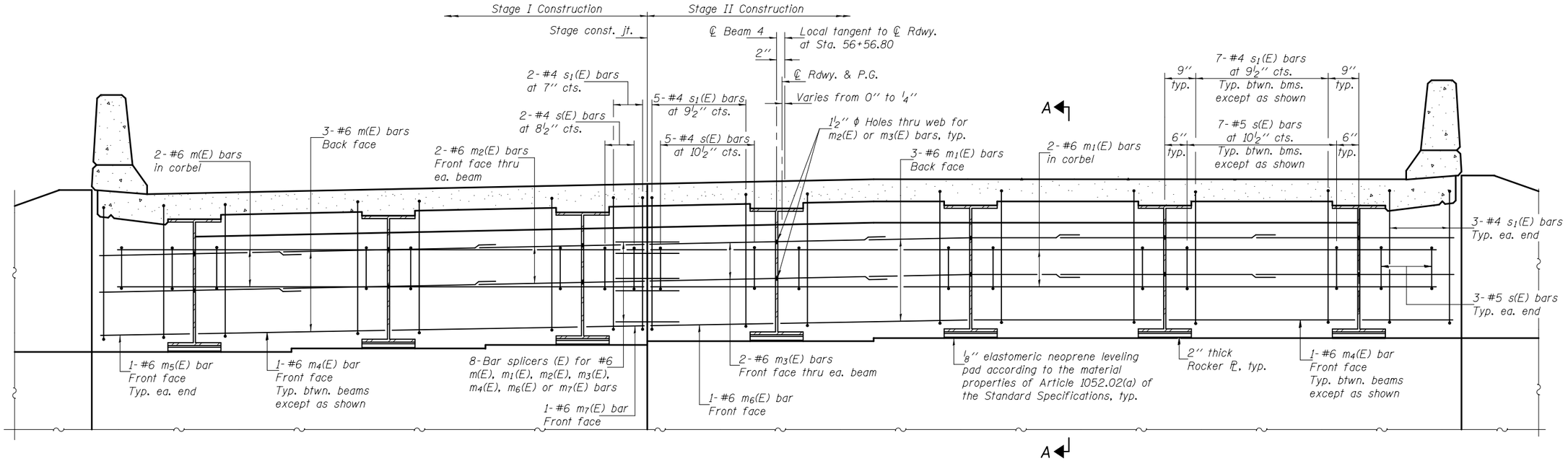
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	85
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



DIAPHRAGM ELEVATION AT WEST ABUTMENT

(Looking west)

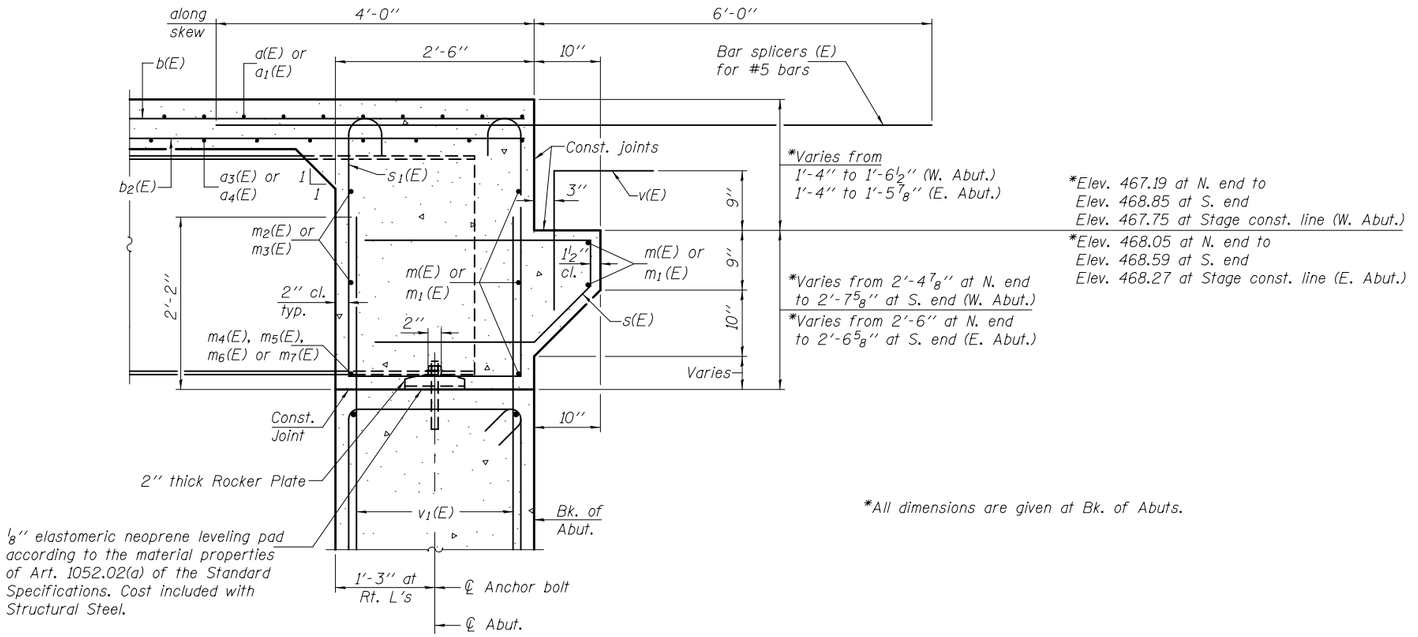
Note: Work this sheet with sheet 13 of 26.



DIAPHRAGM ELEVATION AT EAST ABUTMENT

(Looking east)

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTEGRAL ABUTMENT DIAPHRAGM DETAILS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot					770	64-1BR	MADISON	137	86
DRAWN - h.t. duong	PASSED	REVISED					CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT	ENGINEER OF BRIDGE DESIGN / ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 12 OF 26 SHEETS			ILLINOIS FED. AID PROJECT		



*All dimensions are given at Bk. of Abuts.

SECTION A-A

Dimensions at right angles to abutment, except as shown.

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 11 of 26.
Concrete in diaphragm is included with Concrete Superstructure on sheet 11 of 26.
For details of bars s(E) & s_1(E) see sheet 11 of 26.
The s(E) and s_1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

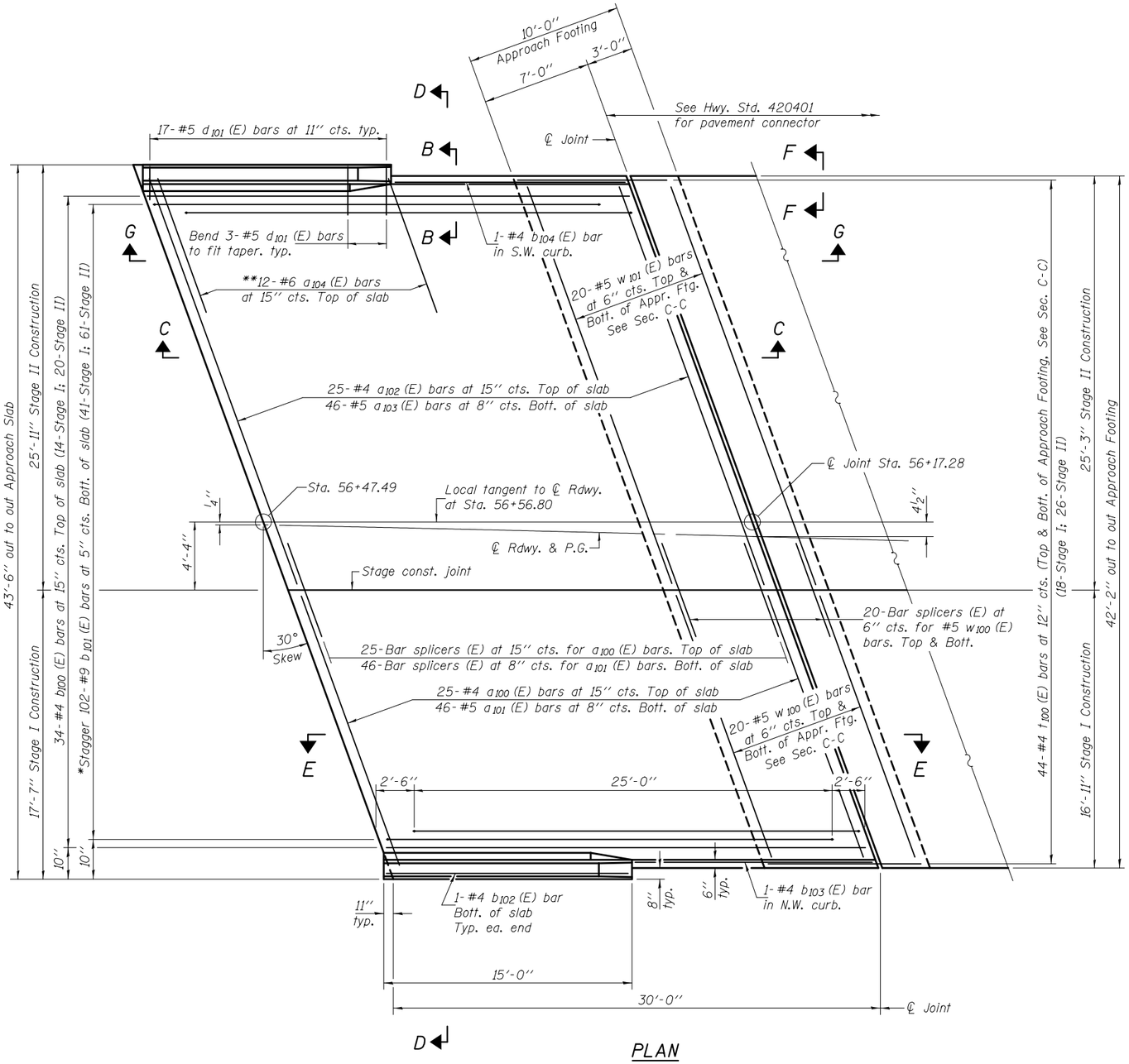
MIN. BAR LAP

#6 bar = 3'-4"

DESIGNED - Stephen M. Ryan	EXAMINED	Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTEGRAL ABUTMENT DIAPHRAGM DETAILS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehaimanot						770	64-1BR	MADISON	137	87
DRAWN - h.t. duong	PASSED	J. Carl Ramey ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 13 OF 26 SHEETS			CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT			REVISED					ILLINOIS FED. AID PROJECT		

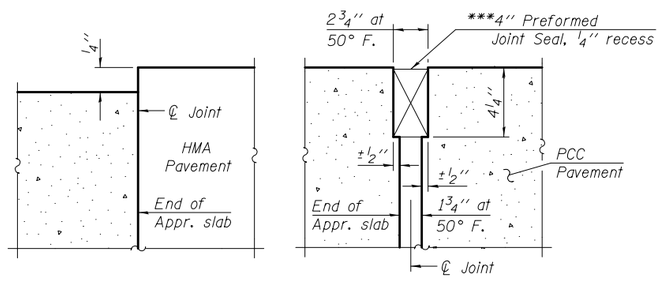
Notes:
See sheet 16 of 26 for Sections C-C & D-D and View E-E.
a_{100} (E), a_{101} (E), a_{102} (E), a_{103} (E), w_{100} (E), & w_{101} (E) bar spacings measured along local tangent to ℄ Rdwy. at Sta. 56+56.80.

*** Cost included with Concrete Superstructure.



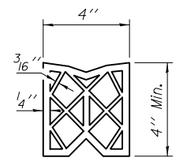
PLAN

*Tilt #9 b_{101} (E) bars as required to maintain clearance.
**Space between a_{100} (E) bars, typ. each parapet.

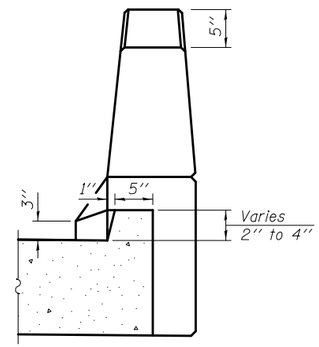


FLEXIBLE PAVEMENT — RIGID PAVEMENT

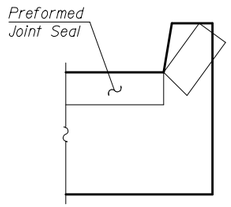
DETAIL A



PREFORMED JOINT SEAL



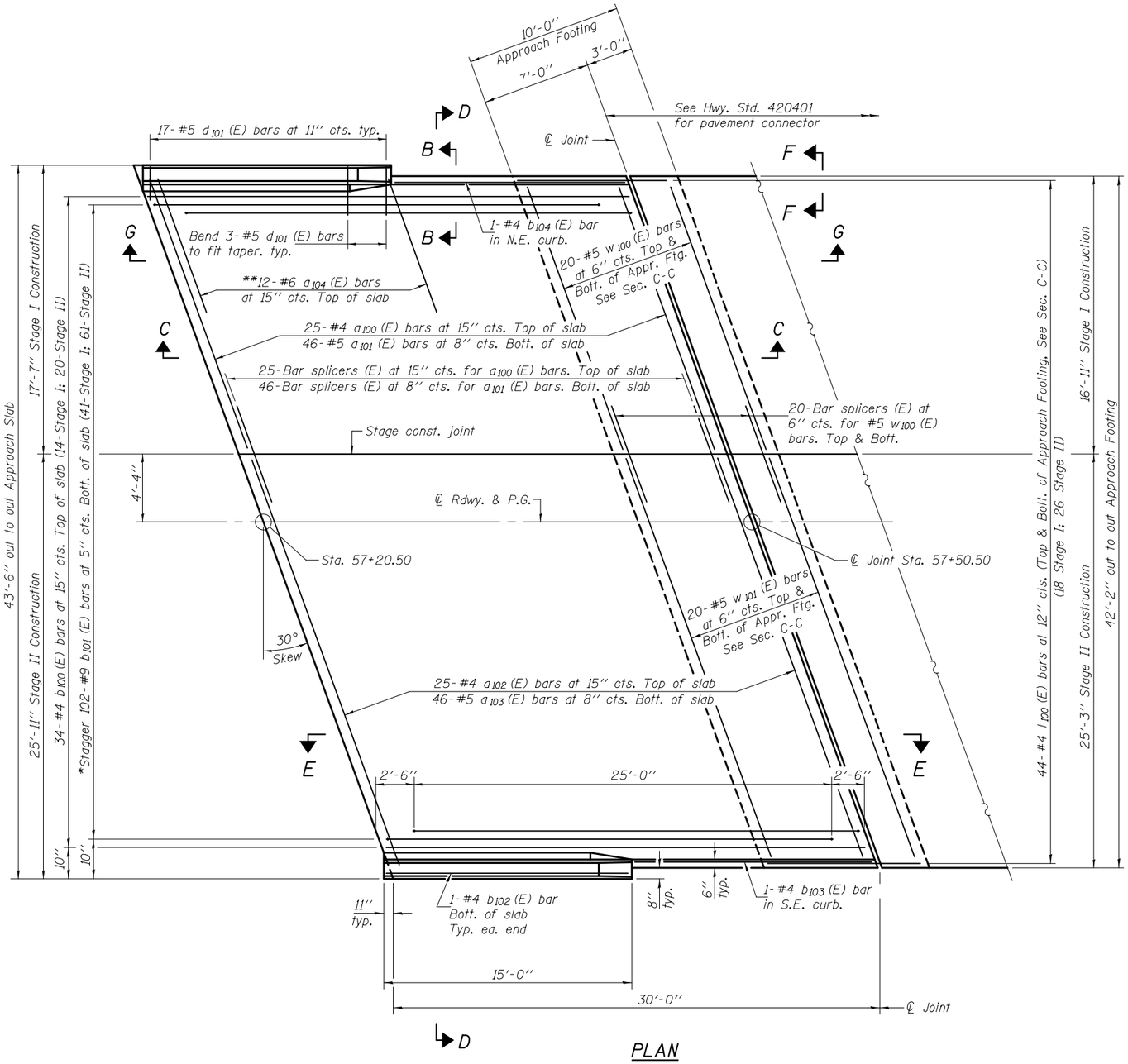
VIEW B-B



VIEW F-F

Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.

DESIGNED - Stephen M. Ryan	EXAMINED	Thomas J. Domagalski, ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot	PASSED	J. Carl Hanneg, ENGINEER OF BRIDGES AND STRUCTURES	REVISED			770	64-1BR	MADISON	137	88
DRAWN - h.t. duong			REVISED		SHEET NO. 14 OF 26 SHEETS			CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT								ILLINOIS FED. AID PROJECT		



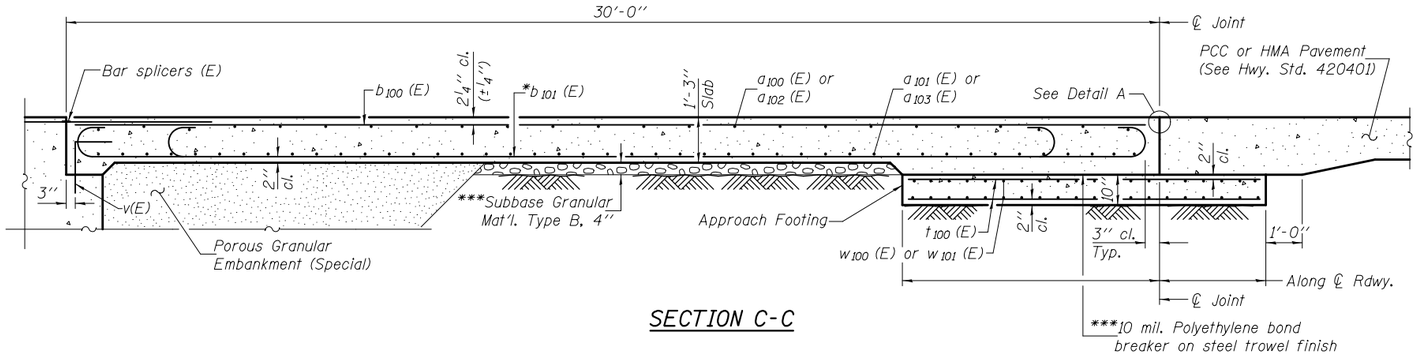
PLAN

*Tilt #9 b_{101} (E) bars as required to maintain clearance.
**Space between a_{100} (E) bars, typ. each parapet.

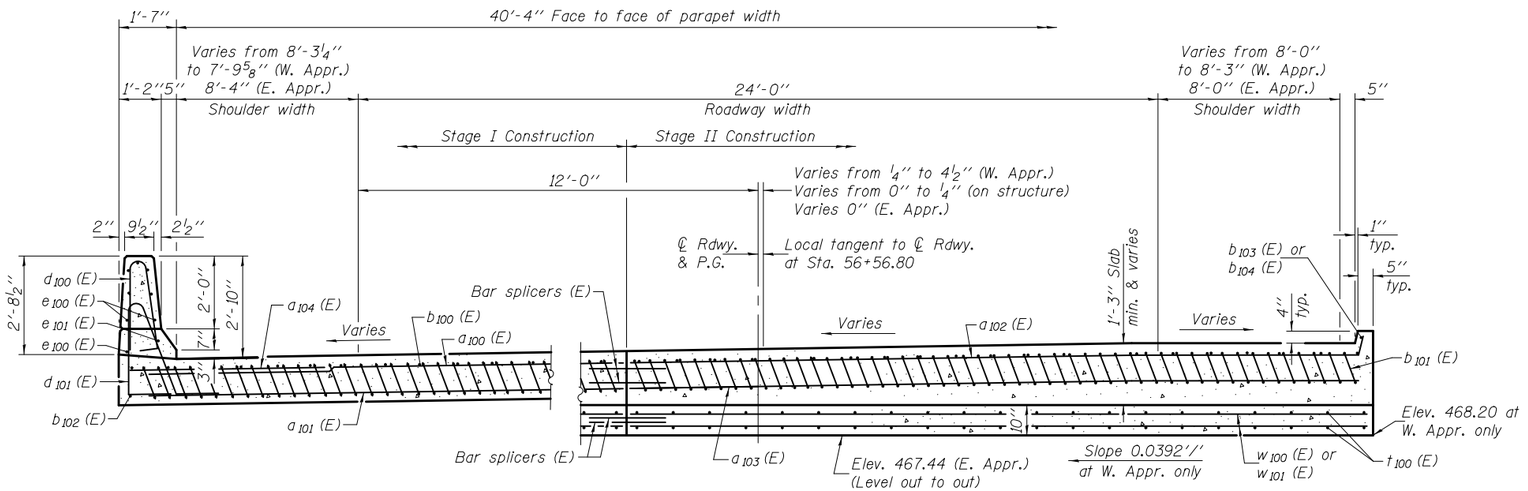
N

Notes:
See sheet 16 of 26 for Sections C-C & D-D and View E-E. a_{100} (E), a_{101} (E), a_{102} (E), a_{103} (E), w_{100} (E), & w_{101} (E) bar spacings measured along ℄ Rdwy.
See sheet 14 of 26 for Detail A, Preformed Joint Seal detail, Views B-B, & F-F.

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot	ENGINEER OF BRIDGE DESIGN				770	64-1BR	MADISON	137	89
DRAWN - h.t. duong	PASSED	REVISED						CONTRACT NO. 76401	
CHECKED - GRA/SMR/FT	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 15 OF 26 SHEETS			ILLINOIS	FED. AID PROJECT	



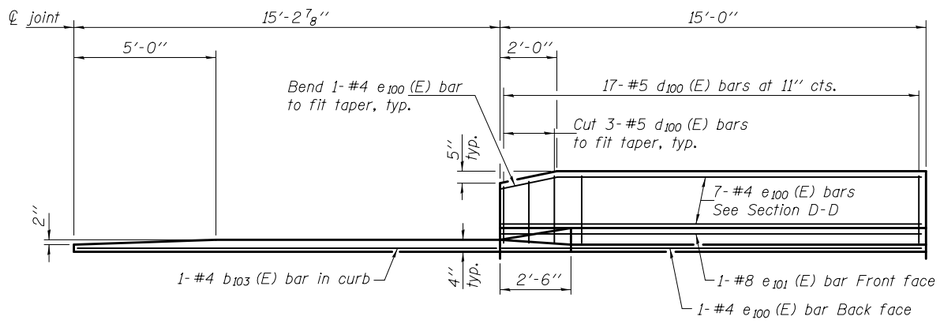
SECTION C-C



NEAR ABUTMENT — AT APPROACH FOOTING

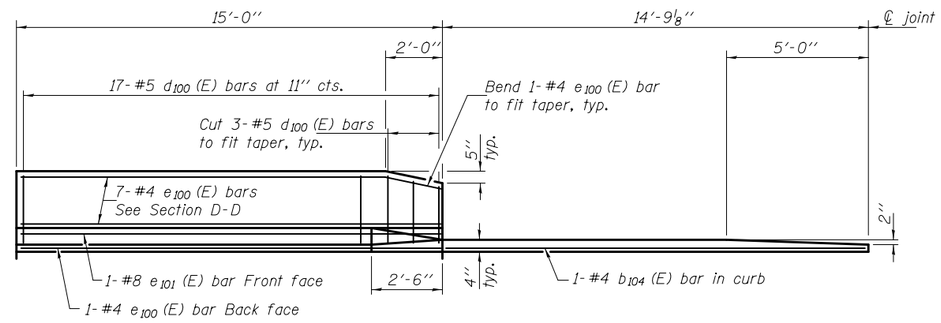
SECTION D-D

(See Plan for dimensions not shown)



VIEW E-E

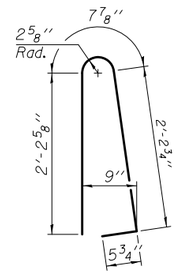
(North dimensions at W. Appr.; South dimensions at E. Appr.)
(Dimensions measured along inside of curbs)



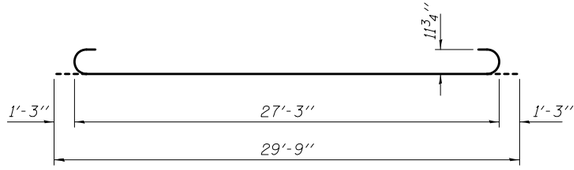
VIEW G-G

(South dimensions at W. Appr.; North dimensions at E. Appr.)
(Dimensions measured along inside of curbs)

Notes:
See sheet 14 of 26 for Detail A and View B-B.
Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For v(E) bar details, see sheet 11 of 26.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 21 of 26.
Cost of excavation for approach footing included with Concrete Structures.
For Porous Granular Embankment (Special) and drainage treatment details, see sheet 2 of 26.
For additional parapet details, see sheet 11 of 26.

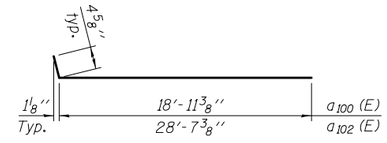


BAR d100 (E)

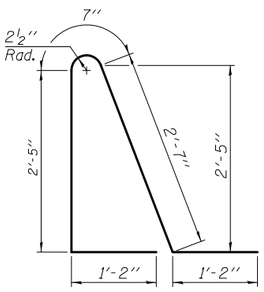


BAR b101 (E)

*Tilt #9 b101 (E) bars as required to maintain clearance.
***Cost included with Concrete Superstructure.



BARS a100 (E) & a102 (E)



BAR d101 (E)

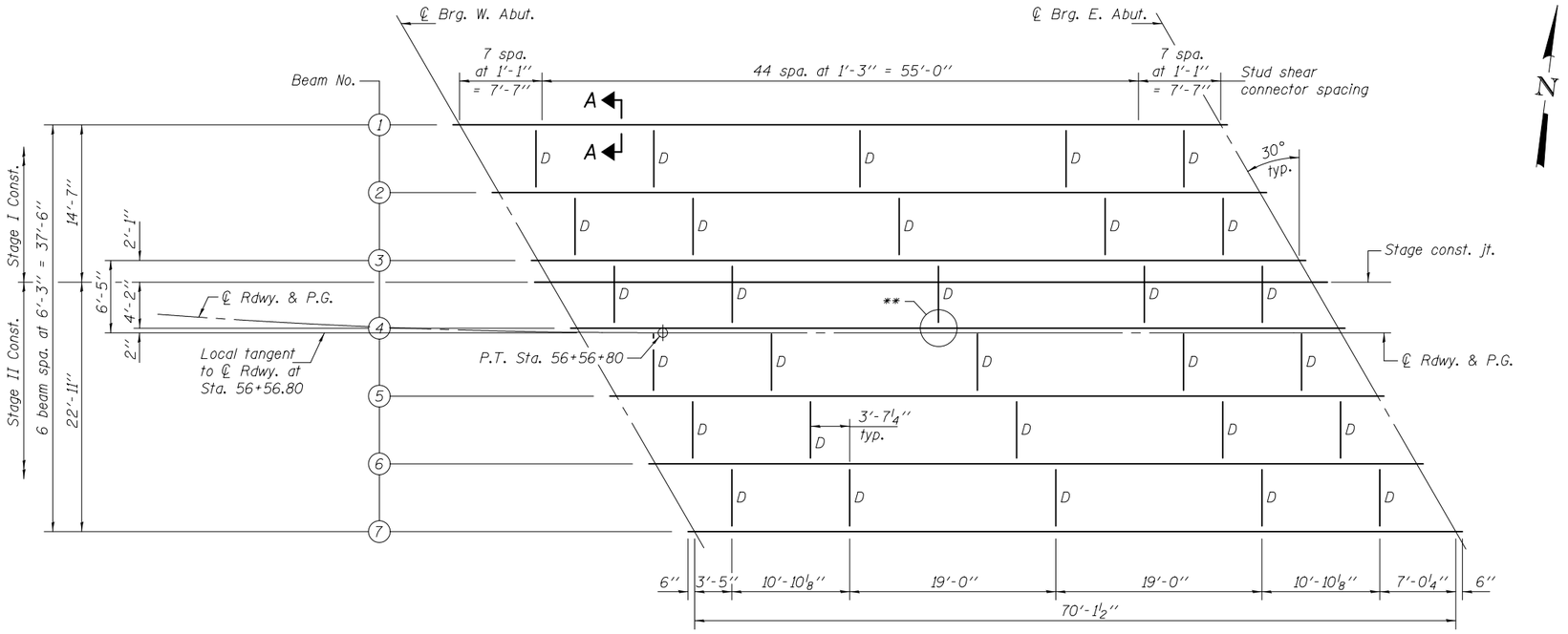
TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a100 (E)	50	#4	19'-4"	
a101 (E)	92	#5	19'-2"	
a102 (E)	50	#4	29'-0"	
a103 (E)	92	#5	28'-9"	
a104 (E)	48	#6	6'-6"	
b100 (E)	68	#4	29'-8"	
b101 (E)	204	#9	29'-9"	
b102 (E)	4	#4	14'-8"	
b103 (E)	2	#4	15'-1"	
b104 (E)	2	#4	14'-4"	
d100 (E)	68	#5	5'-7"	
d101 (E)	68	#5	7'-11"	
e100 (E)	32	#4	14'-8"	
e101 (E)	4	#8	14'-8"	
t100 (E)	176	#4	11'-2"	
w100 (E)	80	#5	19'-2"	
w101 (E)	80	#5	28'-9"	
Concrete Superstructure		Cu. Yd.	128.0	
Concrete Structures		Cu. Yd.	31.0	
Reinforcement Bars, Epoxy Coated		Pound	35480	

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - Fess Teklehalmanot			
DRAWN - h.t. duong	PASSED	REVISED ___	
CHECKED - GRA/SMR/FT	ENGINEER OF BRIDGES AND STRUCTURES	REVISED ___	

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 060-0204
SHEET NO. 16 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	90
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

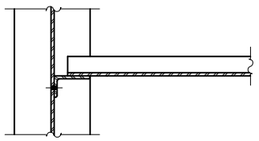


PLAN

(All beams are W36x150, NTR and AASHTO M 270 Grade 50W)

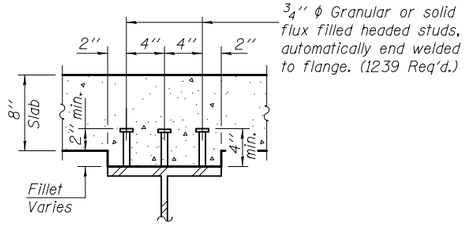
*Alternate channel C15x50 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no extra cost to the Department.

**Use 15/16" x 2 13/16" vertical slotted hole in angle L6" x 4" x 1/2" at North side of Beam 4 only. Provide 5/16" plate washers for slotted holes. The bolts for slotted holes in angle at Beam 4 shall only be finger tightened prior to deck pour for Stage II Construction. The bolts shall be fully tightened after completion of the deck pour for Stage II Construction. Slots shall be positioned such that bolts will start at top end under no concrete load and finish near bottom end under deck load. 7/8" ϕ H.S. bolts, 15/16" ϕ holes in web to be used at the slotted hole locations only.

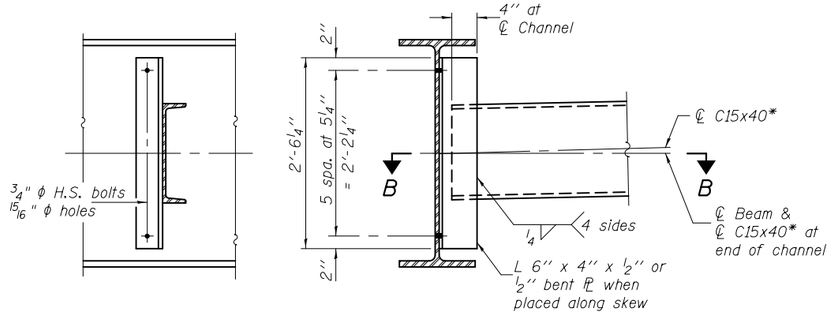


SECTION B-B

Note: Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.



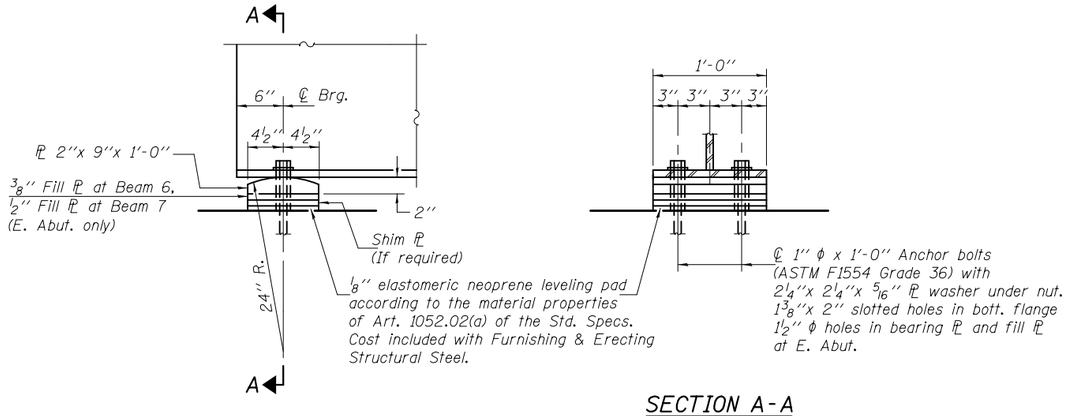
SECTION A-A



DIAPHRAGM D

(30 Required)

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**STRUCTURAL STEEL STRUCTURE NO. 060-0204**	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot					770	64-1BR	MADISON	137	91
DRAWN - h.t. duong	PASSED	REVISED					CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT	ENGINEER OF BRIDGE DESIGN / ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 17 OF 26 SHEETS			ILLINOIS FED. AID PROJECT		



ELEVATION AT ABUTMENTS

SECTION A-A

ABUTMENT BEARING
(14 Required)

INTERIOR BEAM MOMENT TABLE		
		0.5 Sp.
I_s	(in^4)	9040
$I_c(n)$	(in^4)	23395
$I_c(3n)$	(in^4)	16947
S_s	(in^3)	504
$S_c(n)$	(in^3)	737
$S_c(3n)$	(in^3)	661
DC1	(k/')	0.814
M_{DC1}	('k)	500
DC2	(k/')	0.130
M_{DC2}	('k)	80
DW	(k/')	0.313
M_{DW}	('k)	192
M_{L+IM}	('k)	884
M_u (Strength I)	('k)	2560
$\phi_f M_n$	('k)	3752
f_s DC1	(ksi)	11.9
f_s DC2	(ksi)	1.5
f_s DW	(ksi)	3.5
f_s 1.3(L+IM)	(ksi)	18.7
f_s (Service II)	(ksi)	35.6
V_f	(k)	26.4

INTERIOR BEAM REACTION TABLE		
		Abuts.
R_{DC1}	(k)	28.5
R_{DC2}	(k)	4.6
R_{DW}	(k)	11.0
R_{L+IM}	(k)	82.1
R_{Total}	(k)	126.2

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads (in.⁴ and in.³).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

f_s (Service II): Sum of stresses as computed from the moments below (ksi).
$M_{DC1} + M_{DC2} + M_{DW} + 1.3\ M_{L+IM}$

V_f: Maximum factored shear range in span computed according to Article 6.10.10.

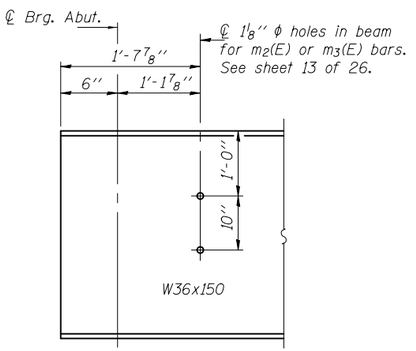
Notes: All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

Two hardened washers required for each set of oversized holes in diaphragms.

**TOP OF BEAM ELEVATIONS

Location	℄ Brg. W. Abut.	℄ Brg. E. Abut.
Beam 1	467.94	468.71
Beam 2	468.23	468.86
Beam 3	468.49	468.98
Beam 4	468.75	469.10
Beam 5	468.97	469.16
Beam 6	469.18	469.19
Beam 7	469.37	469.20

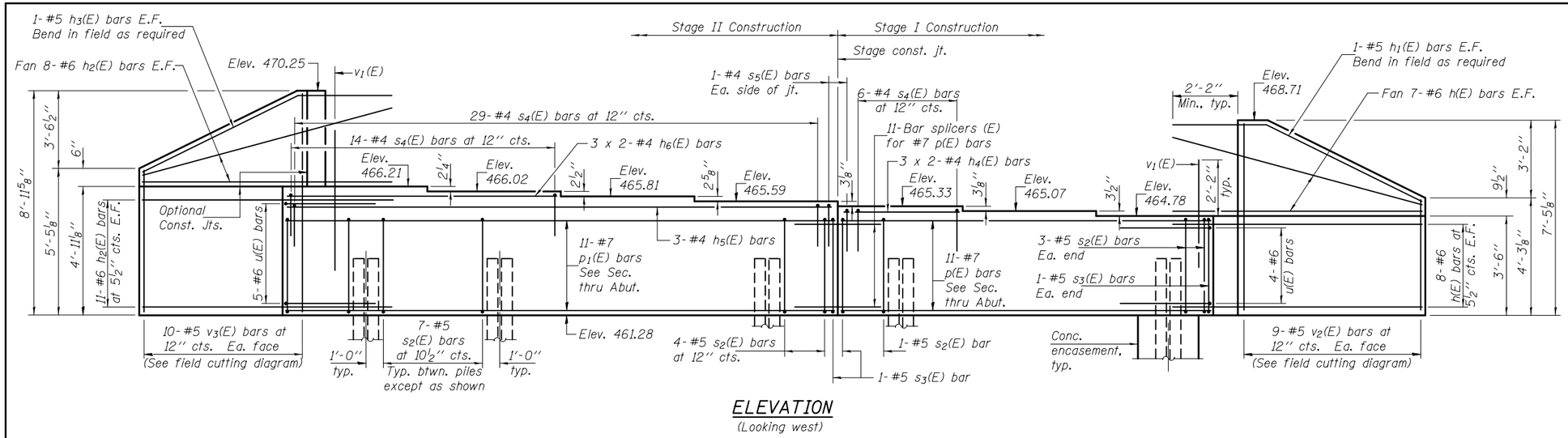
**For fabrication use only.



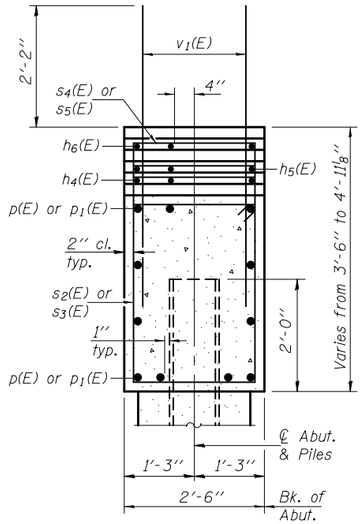
TYP. END OF BEAM ELEVATION

DESIGNED - Stephen M. Ryan	EXAMINED		DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL DETAILS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot						770	64-1BR	MADISON	137	92
DRAWN - h.t. duong	PASSED		REVISED						CONTRACT NO. 76401	
CHECKED - GRA/SMR/FT			REVISED		SHEET NO. 18 OF 26 SHEETS			ILLINOIS	FED. AID PROJECT	

Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
Carl Puzey
ENGINEER OF BRIDGES AND STRUCTURES



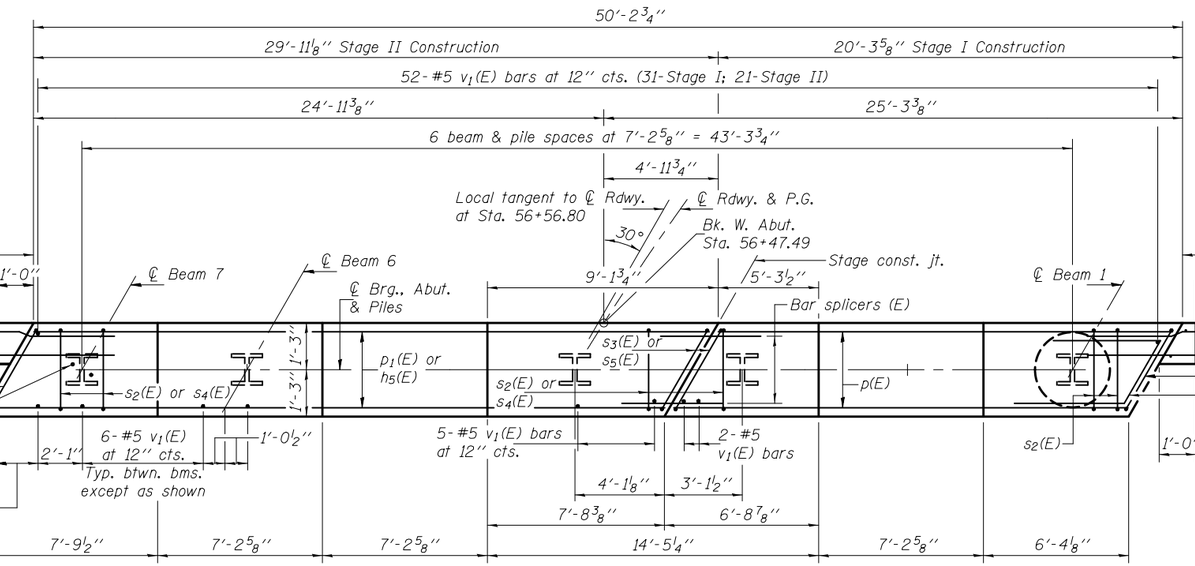
ELEVATION
(Looking west)



SEC. THRU ABUT.

PILE DATA

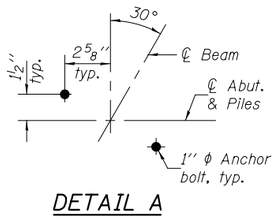
Type: Steel HP12x53
Nominal Required Bearing: 337 Kips
Factored Resistance Available: 185 Kips
Est. Length: 76'
No. Production Piles: 7
No. Test Piles: 0



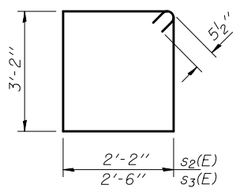
PLAN

Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.

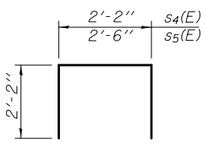
MIN. BAR LAP
#4 bar = 2'-7"



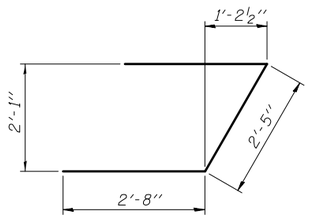
DETAIL A



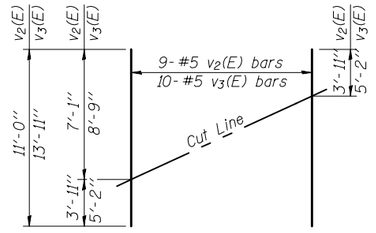
BARS s2(E) & s3(E)



BARS s4(E) & s5(E)



BAR u(E)



FIELD CUTTING DIAGRAM

Order $v_2(E)$ & $v_3(E)$ full length. Cut as shown and use remainder of bars in opposite face.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	30	#6	11'-2"	
h1(E)	2	#5	11'-5"	
h2(E)	38	#6	12'-10"	
h3(E)	2	#5	13'-1"	
h4(E)	6	#4	4'-6"	
h5(E)	3	#4	29'-8"	
h6(E)	6	#4	8'-8"	
p(E)	11	#7	20'-0"	
p1(E)	11	#7	29'-8"	
s2(E)	46	#5	11'-7"	
s3(E)	4	#5	12'-3"	
s4(E)	49	#4	6'-6"	
s5(E)	2	#4	6'-10"	
u(E)	9	#6	7'-9"	
v1(E)	95	#5	4'-4"	
v2(E)	9	#5	11'-0"	
v3(E)	10	#5	13'-11"	
Structure Excavation		Cu. Yd.		35.9
Concrete Structures		Cu. Yd.		24.6
Reinforcement Bars, Epoxy Coated		Pound		4130
Furnishing Steel Piles HP12x53		Foot		532
Driving Piles		Foot		532
Concrete Encasement		Cu. Yd.		2.5
Anchor Bolts 1"		Each		14

For details of bar splicers, see sheet 21 of 26.
For details of piles, see sheet 22 of 26.

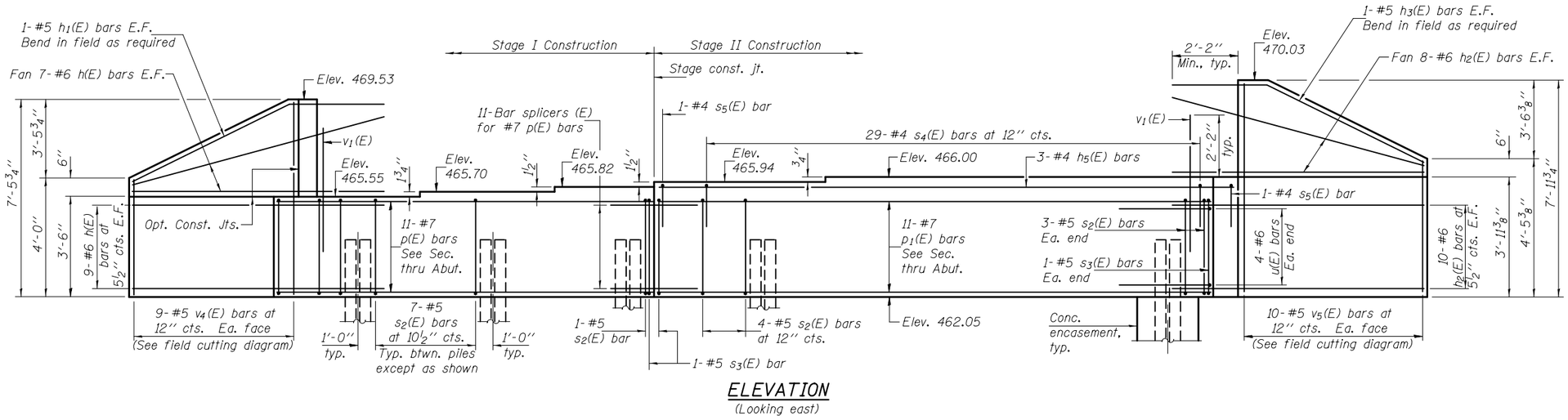
DESIGNED	-	Stephen M. Ryan	
CHECKED	-	Fess Teklehalmanot	
DRAWN	-	h.t. duong	
CHECKED	-	GRA/SMR/FT	

EXAMINED — Thomas J. Domagalski, ENGINEER OF BRIDGE DESIGN
PASSED — C. Carl Tracy, ENGINEER OF BRIDGES AND STRUCTURES
DATE - MARCH 20, 2012
REVISED
REVISED

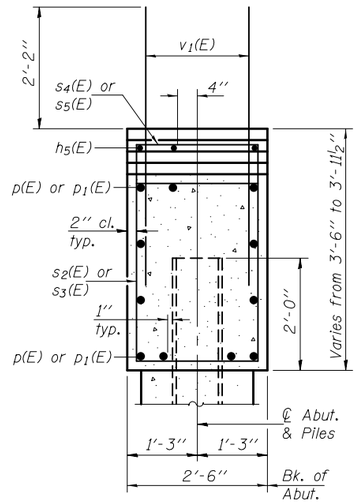
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 060-0204
SHEET NO. 19 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	93
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



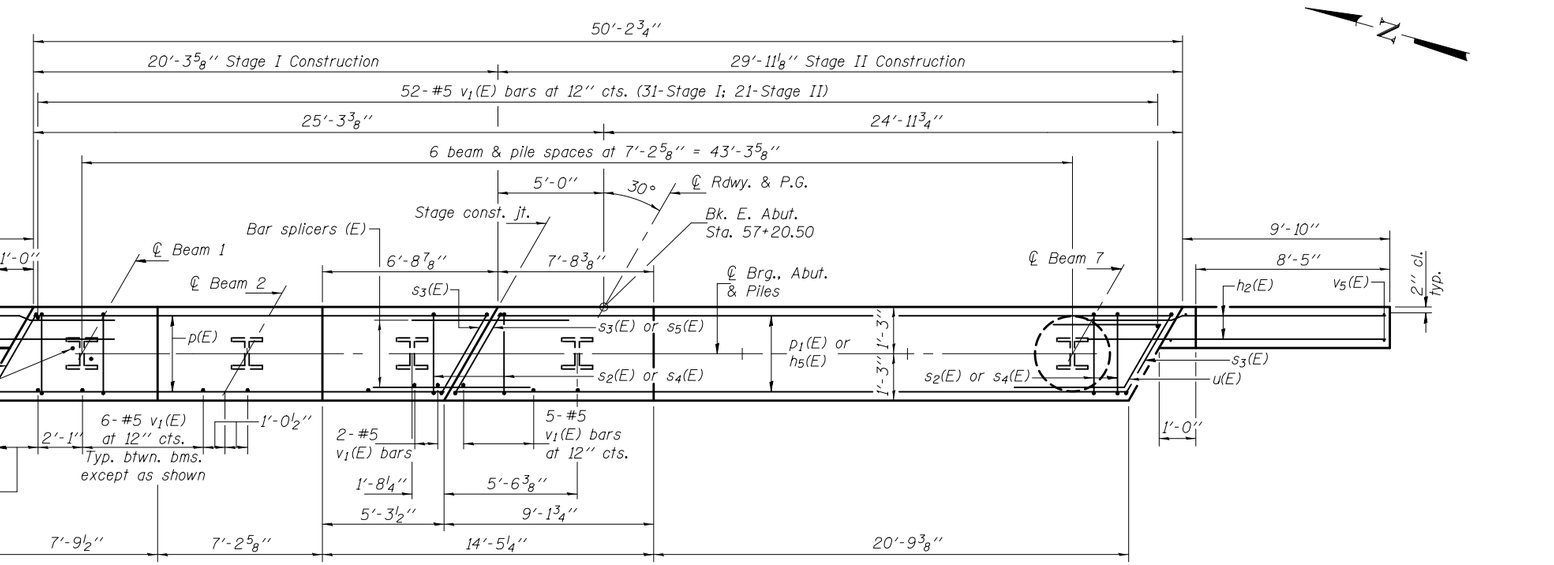
ELEVATION
(Looking east)



SEC. THRU ABUT.

PILE DATA

Type: Steel HP12x53
Nominal Required Bearing: 328 Kips
Factored Resistance Available: 180 Kips
Est. Length: 76'
No. Production Piles: 6
No. Test Piles: 1



PLAN

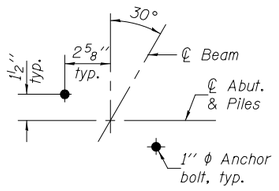
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	11'-2"	straight
h1(E)	2	#5	11'-5"	straight
h2(E)	36	#6	12'-10"	straight
h3(E)	2	#5	13'-1"	straight
h5(E)	3	#4	29'-8"	straight
p(E)	11	#7	20'-0"	straight
p1(E)	11	#7	29'-8"	straight
s2(E)	46	#5	11'-7"	□
s3(E)	4	#5	12'-3"	□
s4(E)	29	#4	6'-6"	⊓
s5(E)	1	#4	6'-10"	⊓
u(E)	8	#6	7'-9"	⊐
v1(E)	95	#5	4'-4"	straight
v4(E)	9	#5	10'-11"	straight
v5(E)	10	#5	11'-10"	straight
Structure Excavation	Cu. Yd.		35.9	
Concrete Structures	Cu. Yd.		22.3	
Reinforcement Bars, Epoxy Coated	Pound		3940	
Furnishing Steel Piles HP12x53	Foot		456	
Driving Piles	Foot		456	
Test Pile Steel HP12x53	Each		1	
Concrete Encasement	Cu. Yd.		2.5	
Anchor Bolts 1"	Each		14	

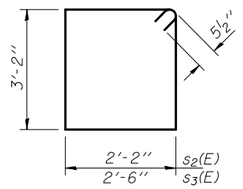
For details of bar splicers, see sheet 21 of 26.
For details of piles, see sheet 22 of 26.

Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.

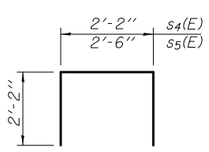
MIN. BAR LAP
#4 bar = 2'-7"



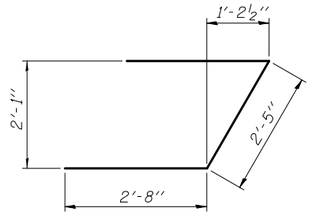
DETAIL A



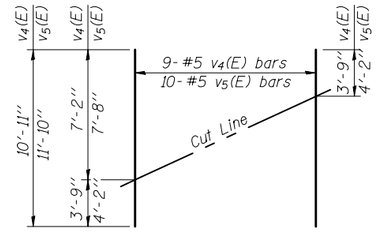
BARS s2(E) & s3(E)



BARS s4(E) & s5(E)



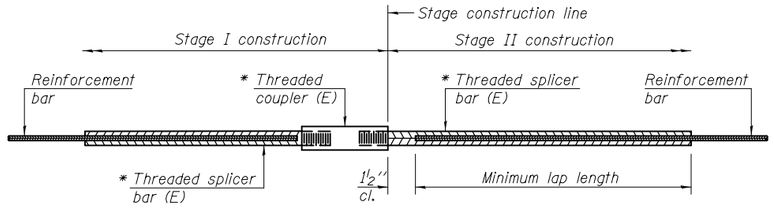
BAR u(E)



FIELD CUTTING DIAGRAM
Order v4(E) & v5(E) full length. Cut as shown and use remainder of bars in opposite face.

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - Fess Teklehalmanot	ENGINEER OF BRIDGE DESIGN	REVISED	EAST ABUTMENT STRUCTURE NO. 060-0204
DRAWN - h.t. duong	PASSED	REVISED	SHEET NO. 20 OF 26 SHEETS
CHECKED - GRA/SMR/FT	ENGINEER OF BRIDGES AND STRUCTURES		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	94
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



STANDARD BAR SPLICER ASSEMBLY

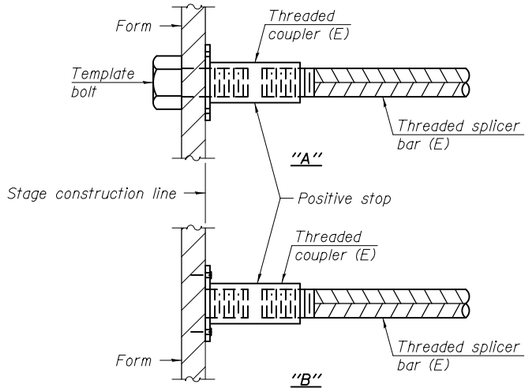
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1½" + thread length

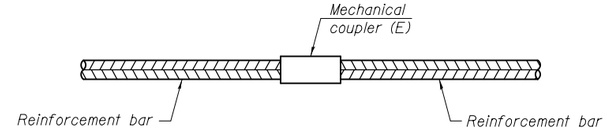
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	225	3
Abutments	#7	22	4
Approach (Super)	#4	50	4
Approach (Super)	#5	92	3
Approach (Sub.)	#5	80	3
Conc. Diaphragm	#6	16	4



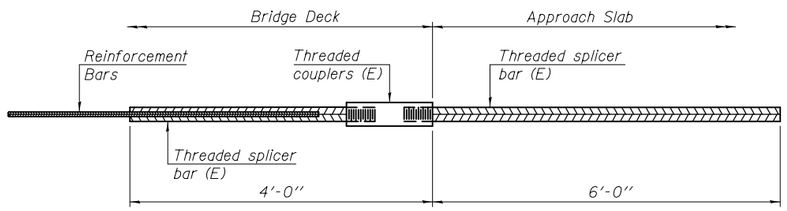
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



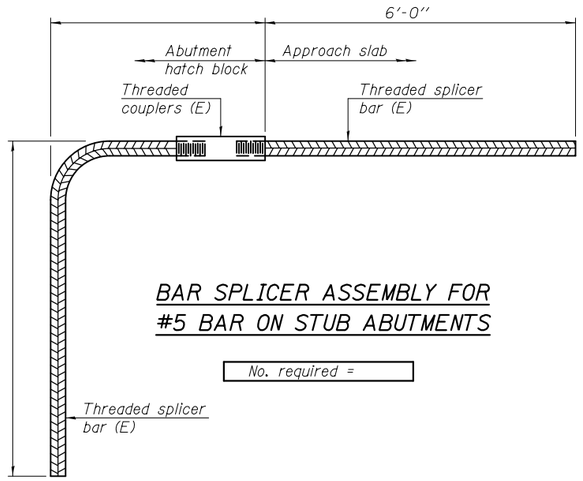
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 94



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

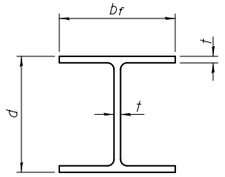
See special provision for Mechanical Splicers.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 7-1-10

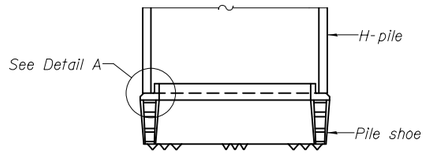
DESIGNED - Stephen M. Ryan	EXAMINED	Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 060-0204
CHECKED - Fess Teklehalmanot	PASSED	J. Carl Ingy ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 21 OF 26 SHEETS
DRAWN - h.t. duong			REVISED		
CHECKED - GRA/SMR/FT					

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	95
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

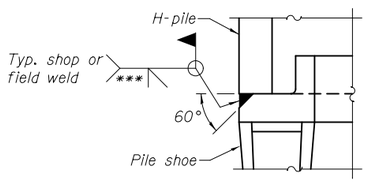


STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

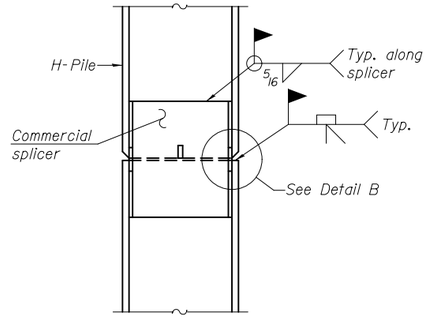


ELEVATION

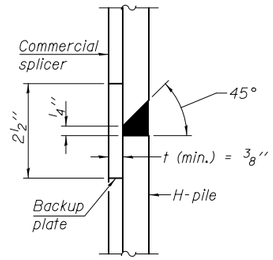


DETAIL A

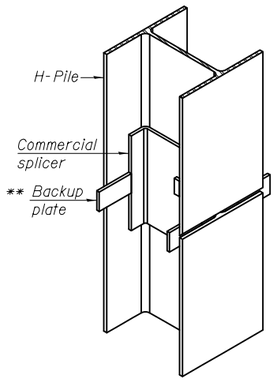
H-PILE SHOE ATTACHMENT



ELEVATION

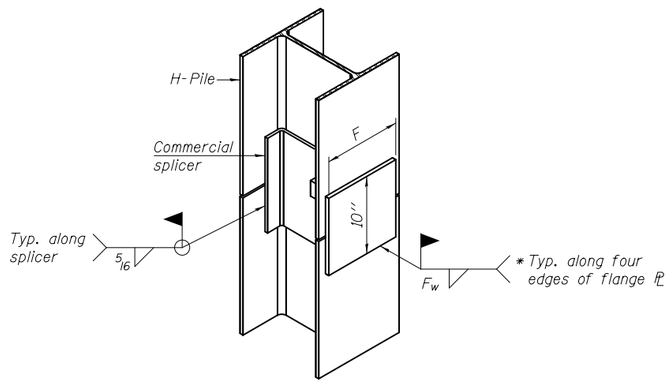


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



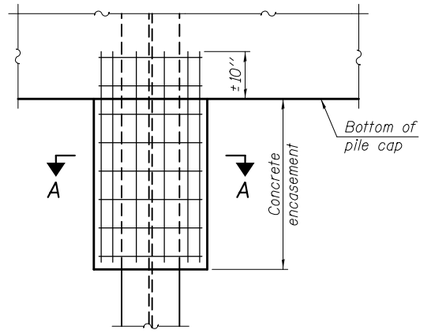
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

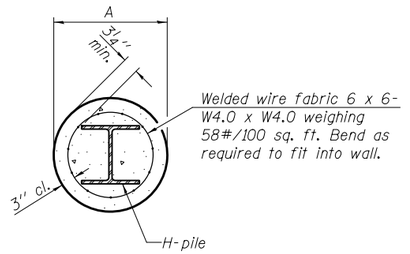
* Interrupt welds 1/4" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).



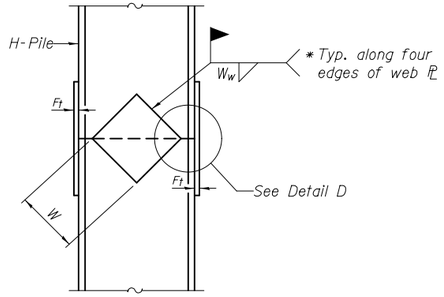
ELEVATION



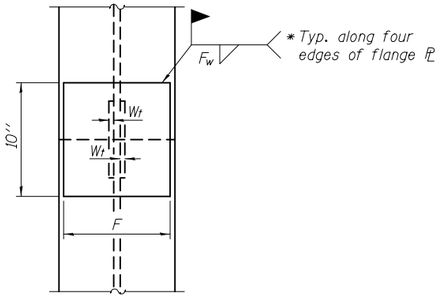
Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION A-A

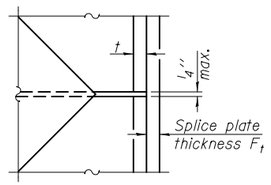
PILE ENCASEMENT



ELEVATION



END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_t	W_w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

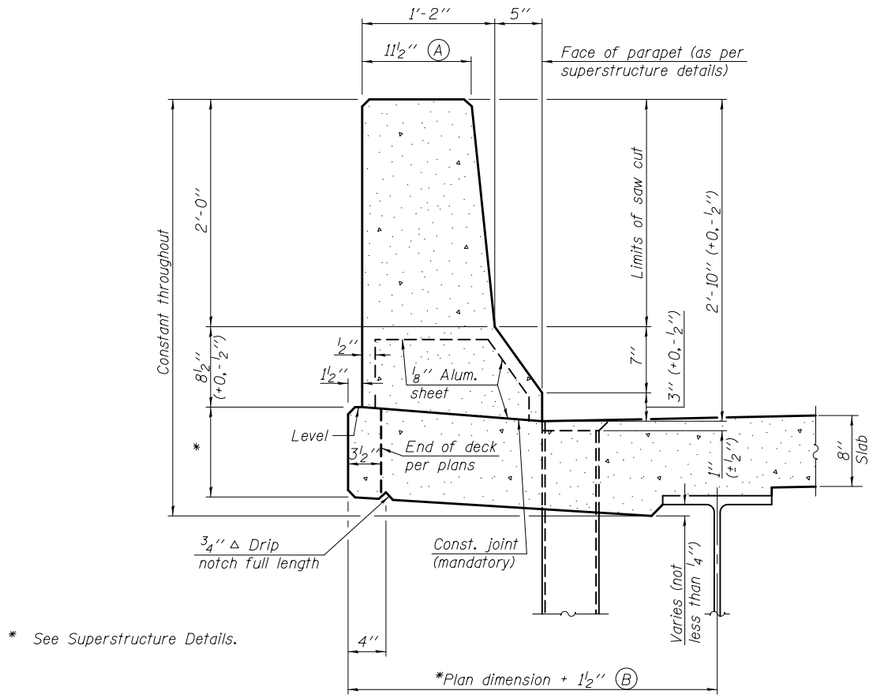
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

F-HP 1-27-12

DESIGNED - Stephen M. Ryan	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - Fess Teklehalmanot		REVISED	
DRAWN - h.t. duong	PASSED	REVISED	
CHECKED - GRA/SMR/FT	ENGINEER OF BRIDGE DESIGN / ENGINEER OF BRIDGES AND STRUCTURES		

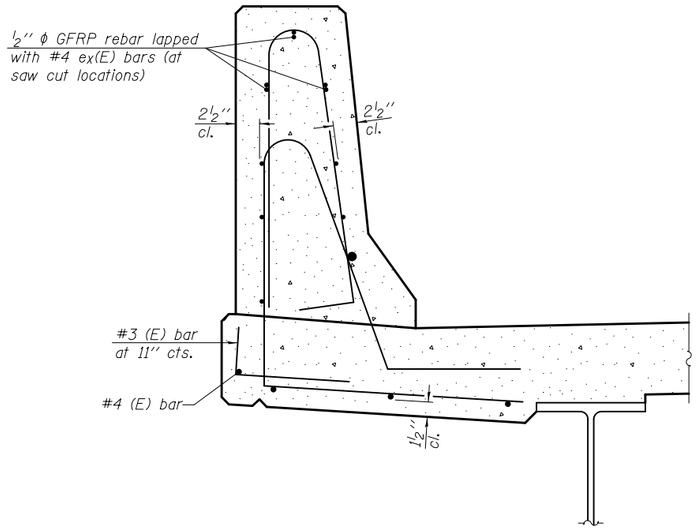
HP PILE DETAILS
STRUCTURE NO. 060-0204
SHEET NO. 22 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	96
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



* See Superstructure Details.

SECTION
(Showing dimensions)



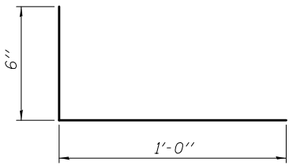
SECTION
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

GENERAL NOTES

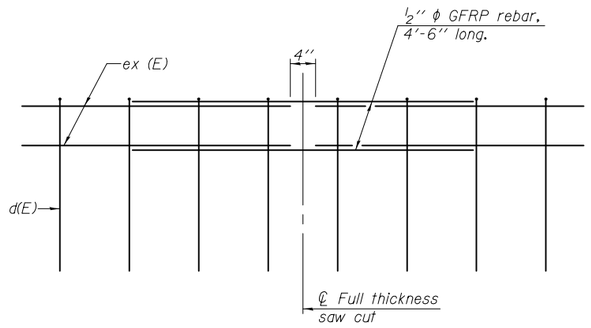
All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. of parapet.

Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler.

Steel superstructure shown. Other superstructure types similar.



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL
(Place as shown in parapet section at each parapet joint location.)

SFP-34 1-27-12

DESIGNED - Stephen M. Ryan	EXAMINED Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE PARAPET SLIPFORMING OPTION STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - Fess Teklehalmanot					770	64-1BR	MADISON	137	96A
DRAWN - h.t. duong	PASSED J. Carl Loney ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 22A OF 26 SHEETS			CONTRACT NO. 76401		
CHECKED - GRA/SMR/FT		REVISED					ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 5/26/10

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY SLW & FA

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #1 W. Abut
Station 56+30
Offset 15.00ft Right
Ground Surface Elev. 469.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 455.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty Clay LOAM			
	2		
	3	—	22
	4		
–5	3		
	3	0.39	24
	5	S5	
462.2			
	1		
Dark Brown Silty Clay LOAM with some Sand	2	0.17	23
	2	B15	
460.2			
Brown Silt LOAM			
–10	6		
	9	0.69	23
	8	S15	
455.2 ▼			
Dark Gray Silty Clay LOAM			
–15	2		
	2	0.65	27
	3	S20	
451.2			
Dark Gray/Brown LOAM A-4(4) See Classification @ 20 ft			
–20	WH		

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Dark Gray/Brown LOAM A-4(6) See Classification @ 20 ft (continued)	WH	0.16	23
	WH	S20	
446.2			
Gray Sandy LOAM A-2-4(0) See Classification @ 25 ft			
–25	1		
	1	0.49	24
	1	B20	
	1		
Lost Sample	1	NS	
	2		
436.2			
Brown Medium to Fine SAND See Gradation @ 34.5 ft			
434.2 –35	2	NC	22
	3		
Brown Silty CLAY	4	0.98	26
		S20	
–40	WH		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 5/26/10

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY SLW & FA

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #1 W. Abut
Station 56+30
Offset 15.00ft Right
Ground Surface Elev. 469.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 455.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY (continued)	WH	0.33	25
Gray	4	S20	
Some Fine Gravel	–45 WH		
	4	0.33	24
	4	S20	
421.2			
Gray/Brown Silty Clay LOAM with some small Shells			
–50	4		
	4	1.10	44
	5	S10	
–55	4		
	8	1.50	23
End 5/26/10	13	S20	
Start 5/27/10			
–60	5		

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray/Brown Silty Clay LOAM with some small Shells (continued)	7	1.30	20
	10	S20	
–65	6		
	9	1.79	21
	12	S20	
394.7			
–75	6		
Gray Clay TILL	7	2.52	15
	8	S15	
391.2			
Black Weathered SHALE			
–80	75/2"		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 5/26/10

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY SLW & FA

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #1 W. Abut
Station 56+30
Offset 15.00ft Right
Ground Surface Elev. 469.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 455.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Black Weathered SHALE (continued) 388.2	–	NC	33
	–		
END OF BORING			
–85			
–90			
–95			
–100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

DESIGNED -	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
CHECKED -	ENGINEER OF BRIDGE DESIGN		
DRAWN -	PASSED	REVISED	
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

SOIL BORING LOGS
STRUCTURE NO. 060-0204
SHEET NO. 23 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	97
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/16/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #2 E. Abut
Station 57+10
Offset 11.00ft Left
Ground Surface Elev. 469.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 448.7 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphaltic Concrete (3"), Crushed Limestone Base (3") 469.2			
Dark Brown (Soft, Moist) Silty CLAY (Fill) Broken Sample	4		
	2	—	26
	2		
466.7			
Brown (Soft, Moist) Silty CLAY (Loess)	1		
Broken Sample	2	—	23
–5	2		
464.2			
Brown (Medium Stiff, Moist) Silty Clay LOAM (Loess)	2		
	3	1.31	19
	4	B	
461.7			
Brown to GrayBrown (Medium Stiff, Moist) Silty LOAM (Alluvial)	4		
	4	—	19
–10	4		
459.2			
Dark Gray (Soft, Moist) Silty CLAY (Alluvial)	1		
	1	0.04	36
	2	B	
	1		
	1	0.31	25
–15	2	S	
454.2			
Brown (Medium Stiff, Moist) Silty Clay LOAM (Alluvial)	1		
	3	1.35	24
	2	S	
451.7			
Brown to GrayBrown (Soft, Moist) Silty CLAY (Alluvial)	1		
	2	0.04	27
449.7 –20	1	B	
Brown (Very Soft, Wet) Silty Clay LOAM (Alluvial)	WH		
	WH	—	25
446.7	WH		
Brown (Medium Stiff, Moist) Silty CLAY (Till)	WH		
	2	0.62	24
–25	3	B	
Trace Gravel, More Clay	WH		
	WH	0.26	20
	3	S	
Brown/Gray	1		
	2	0.69	20
–30	3	S	
Began Mud Rotary			
437.7			
Brown/Gray (Stiff, Moist) Silty Clay LOAM with Trace Gravel (Till)	4		
	6	2.19	14
–35	9	S	
432.7			
Gray (Stiff, Moist) Silty CLAY with Trace of Limestone Gravel (Till)	5		
	5	1.75	17
–40	7	S	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8–99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/16/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #2 E. Abut
Station 57+10
Offset 11.00ft Left
Ground Surface Elev. 469.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 448.7 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray (Stiff, Moist) Silty CLAY with Trace of Limestone Gravel (Till) (continued)			
427.7			
Gray (Medium Stiff, Moist) CLAY (Till)	3		
	3	1.42	27
–45	5	S	
422.7			
Gray (Stiff, Moist) Silty CLAY with Trace Limestone (Till)	4		
	4	0.93	17
–50	8	S	
417.7			
Gray (Very Stiff, Moist) SILT (Till) A-4(6) See Classification @ 54 ft	9		
	6		27
–55	12	NC	
Gray (Very Stiff, Moist) SILT (Till) A-4(6) See Classification @ 54 ft (continued)			
407.7			
Gray (Stiff, Moist) CLAY (Till)	4		
	6	1.46	20
–65	7	S	
Hard Drilling			
402.7			
Gray (Stiff, Moist) Silty CLAY (Till)	3		
	4	0.77	23
–70	6	B	
396.7			
Gray (Stiff, Moist) Silty CLAY with Trace Limestone (Residual)	3		
	4	0.62	22
–75	5	S	
Hard Drilling			
391.7	100/1"	NS	—
Gray LIMESTONE	3		
	4	0.39	29
–80	6	S	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8–99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/16/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #2 E. Abut
Station 57+10
Offset 11.00ft Left
Ground Surface Elev. 469.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 448.7 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray LIMESTONE (continued)			
388.7	100/0"		—
		NS	
END OF BORING			
–85			
–90			
–95			
–100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8–99)

DESIGNED -	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
CHECKED -	ENGINEER OF BRIDGE DESIGN		
DRAWN -	PASSED	REVISED	
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

SOIL BORING LOGS
STRUCTURE NO. 060-0204
SHEET NO. 24 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	98
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/22/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #3 E. Pier
Station 57+05
Offset 12.00ft Right
Ground Surface Elev. 469.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 451.4 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
468.4			
Asphaltic Concrete (7"), Portland Concrete Cement (11")			
	3		
461.9			
Brown/Gray (Medium Stiff, Moist) Clay LOAM with Trace Gravel (Fill) A-6(7) See Classification @ 4 ft	3	2.37	18
	3	B	
	3		
	3	—	27
-5	2		
	WH		
	WH	0.39	20
	2	B	
458.9			
Dark Gray (Soft, Moist) Silty CLAY with Trace Limestone (Alluvial) Coarse Sand Lens	1		
	1	0.18	28
-10	3	S	
	1		
Gray (Soft, Moist) Silty Clay LOAM A-4(8) See Classification @ 11.5 ft (Alluvial) Dark Gray	1	0.11	31
	2	S	
	WH		
	WH	0.15	27
-15	2	B	
Brown, Gray with more Silt	2		
	1	0.96	24
	3	S	
▼			
	1		
	1	0.23	25
-20	3	S	

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
449.4			
Brown/Gray (Very Soft, Moist) SILT (Alluvial) Gravel	1		
	WH	0.04	28
446.9	WH	B	
Brown/Gray (Very Soft, Moist) Silty Clay LOAM (Alluvial)	WH		
	WH	0.07	25
-25	WH	B	
444.4			
Brown/Gray (Soft, Moist) Silty CLAY	WH		
	1	0.51	27
	2	S	
Brown with more CLay	1		
	2	0.08	29
-30	2	B	
437.9			
Brown (Very Soft, Moist) Silty Clay LOAM with Trace Limestone (Alluvial)			
	WH		
	WH	0.04	20
-35	1	B	
432.9			
Brown/Gray (Stiff, Moist) Silty CLAY with Trace Limestone (Till)	7		
	6	2.56	15
-40	8	S	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/22/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station

BORING NO. #3 E. Pier
Station 57+05
Offset 12.00ft Right
Ground Surface Elev. 469.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 451.4 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown/Gray (Stiff, Moist) Silty CLAY with Trace Limestone (Till) (continued)			
Gray	4		
	5	2.66	17
-45	7	S	
422.9			
Gray (Very Stiff, Moist) Silty CLAY (Till)	3		
	5	1.82	25
-50	12	S	
Stiff with more Clay	4		
	5	1.11	34
-55	4	S	
412.9			
Gray (Stiff, Moist) CLAY with Trace Shale (Till)	3		
	4	0.73	31
-60	5	S	

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray (Stiff, Moist) CLAY with Trace Shale (Till) (continued)			
407.9			
Gray (Stiff, Moist) Silty CLAY with Trace Shells (Till) A-6(10) See Classification @ 69 ft	4		
	5	0.73	19
-65	8	S	
	3		
	4	2.95	25
-70	4	S	
Trace Limestone	WH		
	3	0.79	28
-75	5	S	
394.4			
Gray (Very Hard) Weathered SHALE with Interlaced Limestone	23		
	100/3"	—	17
391.4			
	100/1"	—	—
END OF BORING			
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

DESIGNED -	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 060-0204**	F.A.S. RTE. 770 / SECTION 64-1BR / COUNTY MADISON / TOTAL SHEETS 137 / SHEET NO. 99
CHECKED -	ENGINEER OF BRIDGE DESIGN				CONTRACT NO. 76401
DRAWN -	PASSED	REVISED		SHEET NO. 25 OF 26 SHEETS	ILLINOIS FED. AID PROJECT
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED			

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/17/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station
BORING NO. #4 W. Pier
Station 56+60
Offset 15.00ft Left
Ground Surface Elev. 468.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 451.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Asphaltic Concrete (6"), Portland Cement Concrete (12")
467.0				
	2			Dark Gray (Medium Stiff, Moist) Silty Clay LOAM (Fill) A-6(22) See Classification @ 2.5 ft
	3	1.24	25	
	3	S		
	2			
	2	0.58	25	
-5	2	B		
	WH			Gray to Gray/Brown
	1	0.77	26	
	3	B		
	1			
459.0				
	2	0.93	25	Gray (Medium Stiff, Moist) Silty LOAM (Alluvial)
-10	6	S		
458.0				
	4			Gray (Medium Stiff, Moist) Silty LOAM (Alluvial) A-4(2) See Classification @ 11.5 ft
	3	0.04	25	
	3	B		
				Very Soft
	WH			
	WH	0.03	26	
-15	2	B		
	WH			
	WH	0.03	25	
	WH	B		
450.5				
	WH			Gray/Brown (Very Soft, Moist) Silty CLAY with Trace Roots & Gravel (Alluvial)
	WH	0.14	25	
-20	WH	S		

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
448.0				
	WH			Brown/Gray (Very Soft, Moist) Sandy CLAY (Alluvial)
	WH	—	22	
445.5				
	1			Brown/Gray (Soft, Moist) Sandy LOAM (Alluvial) See Gradation @ 24 ft
	1		23	
-25	2	NC		
443.0				
	WH			Dark Gray (Very Loose, Moist) SAND (Alluvial) See Gradation @ 26.5 ft
441.5	1		23	
	1	NC		
				Gray (Very Soft, Moist) Clay LOAM (Alluvial)
439.5	WH			
	1	0.48	28	Gray (Soft, Moist) CLAY Began Mud Rotary
-30	2	B		
436.5				
				Gray (Very Soft, Moist) Sandy LOAM with Trace Gravel (Till) A-2-4(0) See Classification @ 34 ft
	WH			
	WH	0.03	24	
-35	1	B		
431.5				
	2			Brown (Medium Stiff, Moist) Clay LOAM with Trace Gravel (Till) A-6(6) See Classification @ 39 ft
	2	1.46	20	
-40	4	S		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 3/17/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 1/4, SEC. 1, TWP. 4N, RNG. 8W. 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0072 (E) / 060-0204 (P)
Station
BORING NO. #4 W. Pier
Station 56+60
Offset 15.00ft Left
Ground Surface Elev. 468.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 451.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Brown (Medium Stiff, Moist) Clay LOAM with Trace Gravel (Till) (continued)
427.5				
				Brown and Gray (Medium Stiff, Moist) CLAY (Till)
	2			
	4	1.25	26	
-45	4	S		
421.5				
	4			Gray (Stiff, Moist) SILT (Till)
	7	0.40	24	
-50	8	S		
416.5				
				Gray (Medium Stiff, Moist) Silty Clay with Trace Wood & Shells (Till)
	3			
	3	1.12	22	
-55	5	B		
	WH			
	3	0.44	32	
-60	4	B		

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)	Description
				Gray (Medium Stiff, Moist) Silty Clay with Trace Wood & Shells (Till) (continued)
406.5				
				Gray (Stiff, Moist) CLAY (Till)
	4			
	5	2.04	21	
-65	7	B		
401.5				
	2			Gray (Medium Stiff, Moist) Silty CLAY
	3	0.55	25	
-70	3	B		
	3			
394.0				
	7	1.50	21	
-75	8	S		
				Dark Gray (Hard) Weathered SHALE with Interlayered Limestone
Black Coal 389.5	100/5"	—	22	
				END OF BORING
-80				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

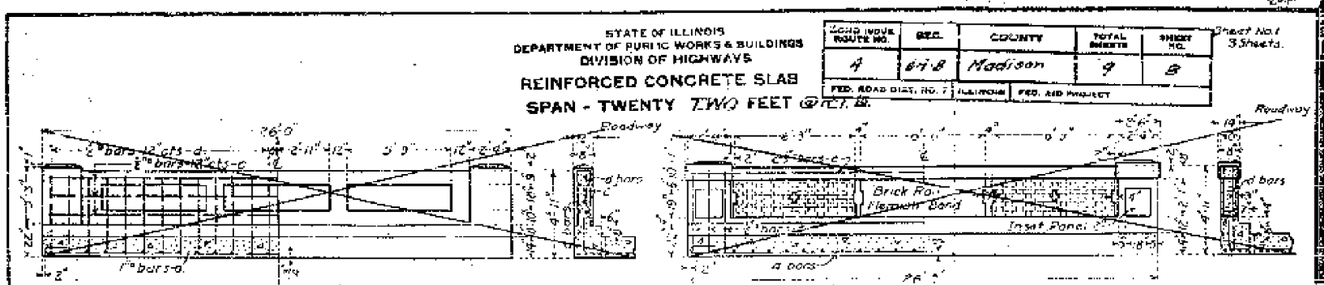
DESIGNED -	EXAMINED	DATE - MARCH 20, 2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 060-0204**	F.A.S. RTE. 770 / SECTION 64-1BR / COUNTY MADISON / TOTAL SHEETS 137 / SHEET NO. 100
CHECKED -	ENGINEER OF BRIDGE DESIGN				CONTRACT NO. 76401
DRAWN -	PASSED	REVISED		SHEET NO. 26 OF 26 SHEETS	ILLINOIS FED. AID PROJECT
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED			

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
4	64 B	Madison	9	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Sheet No. 1 3 Sheets.

REINFORCED CONCRETE SLAB
SPAN - TWENTY TWO FEET @ C.T. TO C.T. BEARINGS

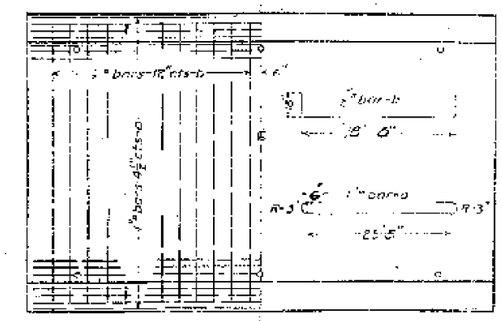


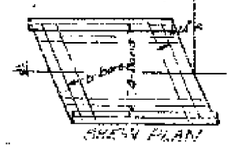
BILL OF MATERIAL

	16 FT. ROADWAY	18 FT. ROADWAY	20 FT. ROADWAY	24 FT. ROADWAY	30 FT. ROADWAY
RAIL A	Steel-Lbs. 5310 Concrete-C.Yds. 7.60	Steel-Lbs. 5920 Concrete-C.Yds. 30.8	Steel-Lbs. 2340 Concrete-C.Yds. 30.9	Steel-Lbs. 7490 Concrete-C.Yds. 37.8	Steel-Lbs. 9160 Concrete-C.Yds. 45.2
RAIL B	Steel-Lbs. 5110 Concrete-C.Yds. 26.6 Brick Rail-C.Yds. 2.0	Steel-Lbs. 5630 Concrete-C.Yds. 29.1 Brick Rail-C.Yds. 2.0	Steel-Lbs. 6150 Concrete-C.Yds. 31.5 Brick Rail-C.Yds. 2.0	Steel-Lbs. 7210 Concrete-C.Yds. 36.9 Brick Rail-C.Yds. 2.0	Steel-Lbs. 8960 Concrete-C.Yds. 45.2 Brick Rail-C.Yds. 2.0
RAIL C	Steel-Lbs. 5230 Concrete-C.Yds. 27.9	Steel-Lbs. 5740 Concrete-C.Yds. 29.9	Steel-Lbs. 6270 Concrete-C.Yds. 32.3	Steel-Lbs. 7400 Concrete-C.Yds. 38.1	Steel-Lbs. 9140 Concrete-C.Yds. 46.6

Use class K Concrete throughout

USE RAIL C, 90 FT ROADWAY.





STA. 361 81
S.B.I. ROUTE - 4 SEC. 64 B
MADISON COUNTY

FOR INFORMATION ONLY

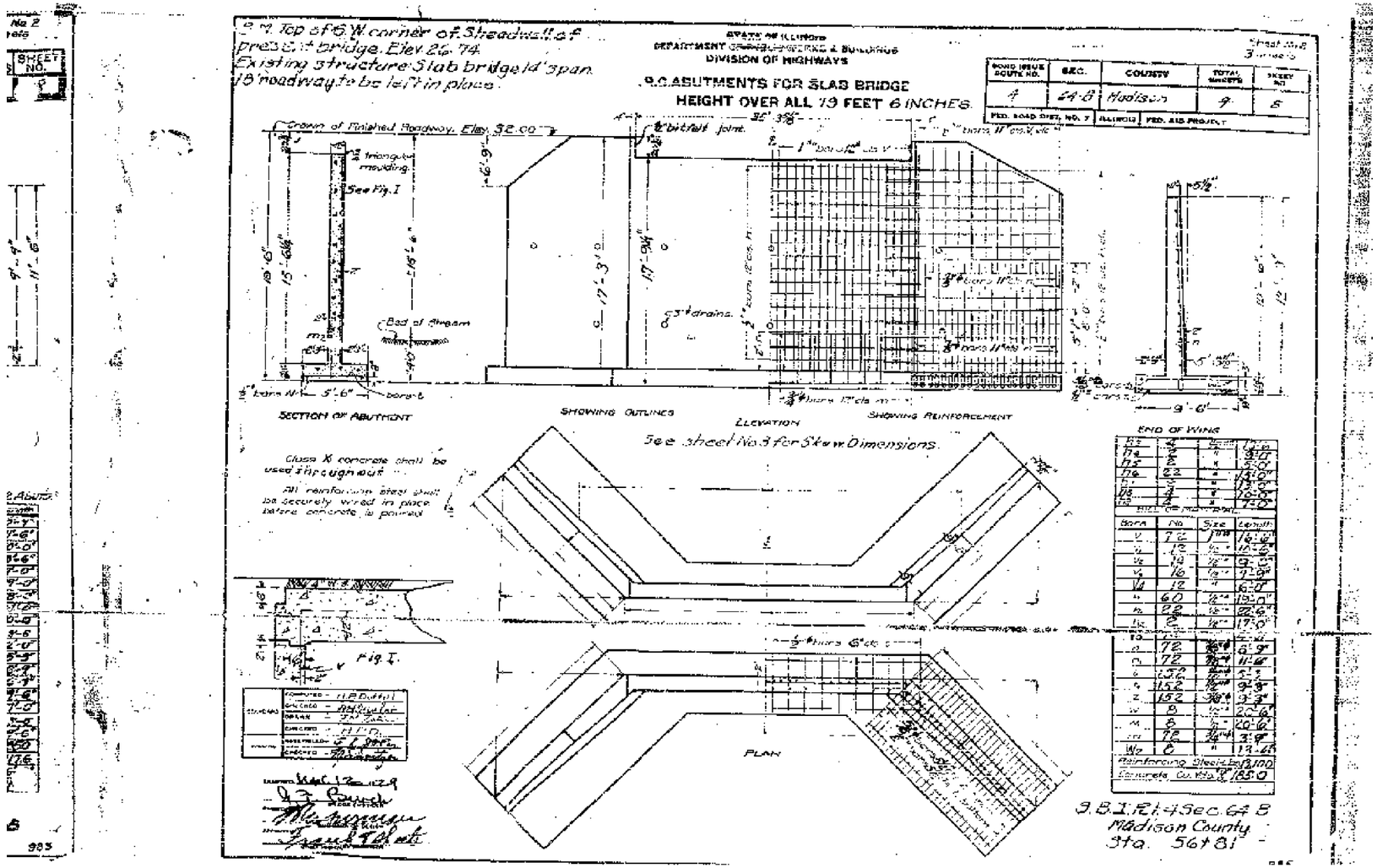
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	PLOT DATE = 2/3/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	101
		CONTRACT NO. 76401		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BOND ISSUE ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
4	64-1BR	Madison	9	6

3.B.I.Rt.4 Sec. 64 B
Madison County
Sta. 56+81

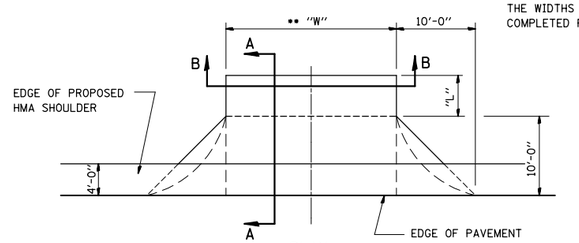
FOR INFORMATION ONLY

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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			770	64-1BR	MADISON	137	102
	PLOT DATE = 2/3/2012	DATE -	REVISED -		SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.				CONTRACT NO. 76401	
						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

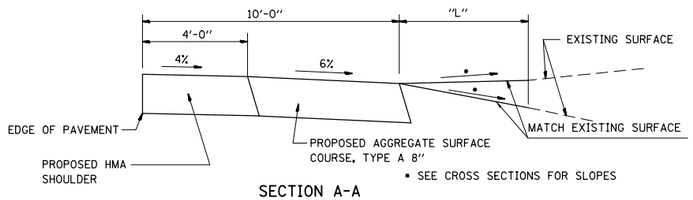
DETAIL OF FIELD ENTRANCES

W/ HOT-MIX ASPHALT SHOULDERS

•• ALLOWABLE ENTRANCE WIDTHS: 20' MINIMUM 35' MAXIMUM ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.

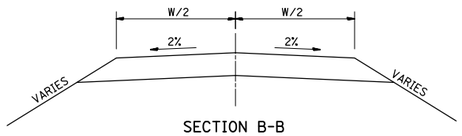


PLAN



• SEE CROSS SECTIONS FOR SLOPES

SECTION A-A

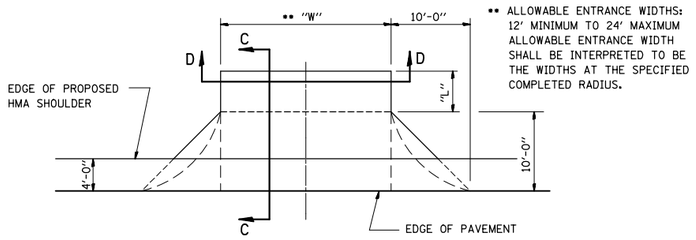


SECTION B-B

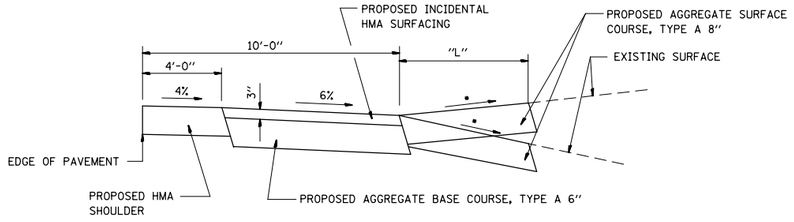
DETAIL OF AGGREGATE PRIVATE ENTRANCES

W/ HOT-MIX ASPHALT SHOULDERS

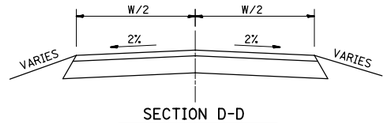
•• ALLOWABLE ENTRANCE WIDTHS: 12' MINIMUM TO 24' MAXIMUM ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.



PLAN



SECTION C-C • SEE CROSS SECTIONS FOR SLOPES

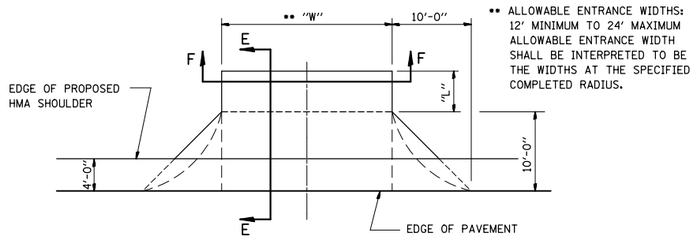


SECTION D-D

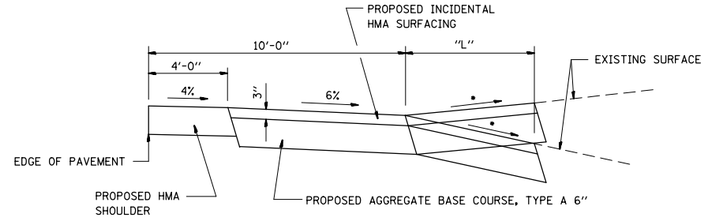
DETAIL OF HOT-MIX ASPHALT PRIVATE ENTRANCES

W/ HOT-MIX ASPHALT SHOULDERS

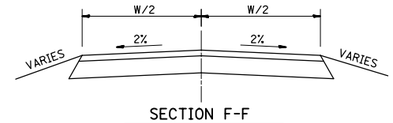
•• ALLOWABLE ENTRANCE WIDTHS: 12' MINIMUM TO 24' MAXIMUM ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.



PLAN



SECTION E-E • SEE CROSS SECTIONS FOR SLOPES

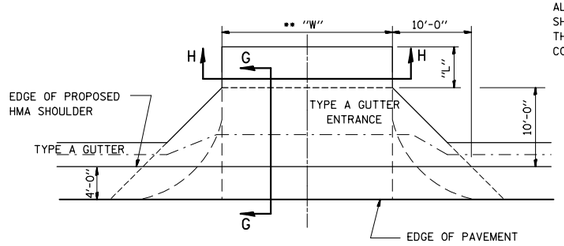


SECTION F-F

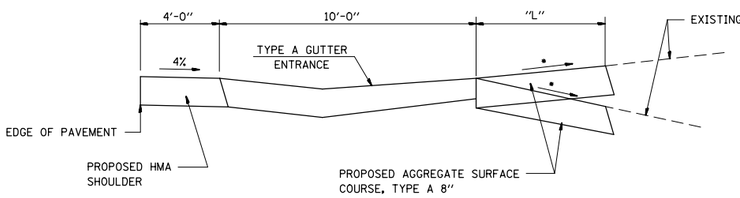
DETAIL OF AGGREGATE PRIVATE ENTRANCES

W/ HOT-MIX ASPHALT SHOULDERS AND TYPE A GUTTER

•• ALLOWABLE ENTRANCE WIDTHS: 12' MINIMUM TO 24' MAXIMUM ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.

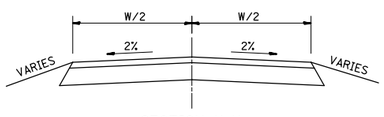


PLAN



• SEE CROSS SECTIONS FOR SLOPES

SECTION G-G

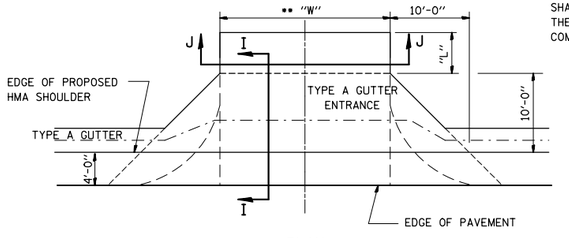


SECTION H-H

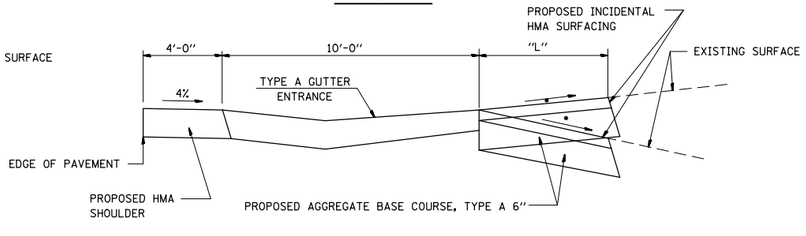
DETAIL OF HOT-MIX ASPHALT PRIVATE ENTRANCES

W/ HOT-MIX ASPHALT SHOULDERS AND TYPE A GUTTER

•• ALLOWABLE ENTRANCE WIDTHS: 12' MINIMUM TO 24' MAXIMUM ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.

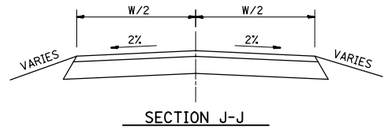


PLAN



• SEE CROSS SECTIONS FOR SLOPES

SECTION I-I

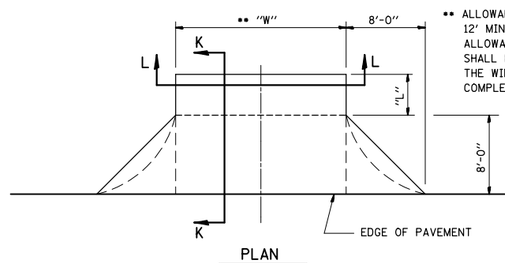


SECTION J-J

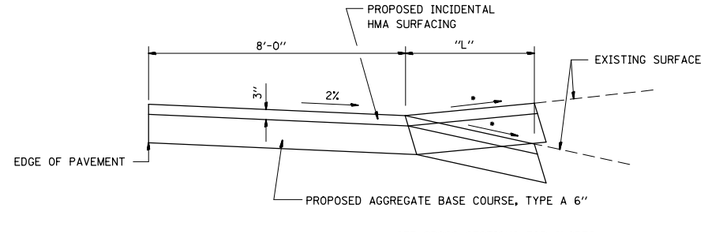
DETAIL OF HOT-MIX ASPHALT PRIVATE ENTRANCES

NO SHOULDERS

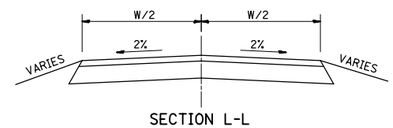
•• ALLOWABLE ENTRANCE WIDTHS: 12' MINIMUM TO 24' MAXIMUM ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.



PLAN



SECTION K-K • SEE CROSS SECTIONS FOR SLOPES



SECTION L-L

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

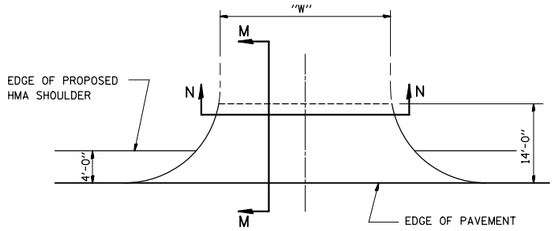
MISCELLANEOUS DETAILS

SCALE: NONE | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

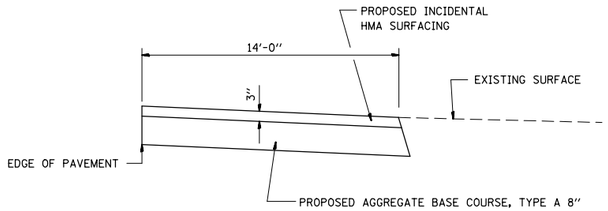
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	103
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

DETAIL OF OIL AND CHIP SIDE ROAD

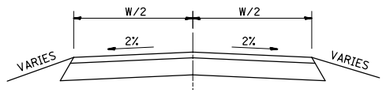
W/ HOT-MIX ASPHALT SHOULDERS



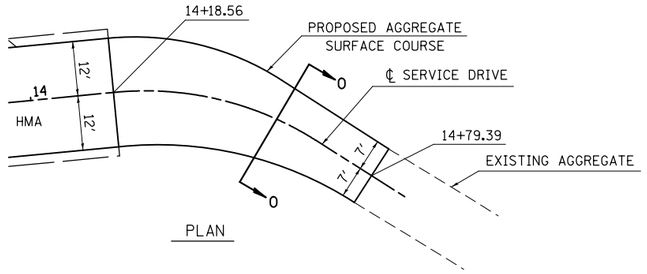
PLAN



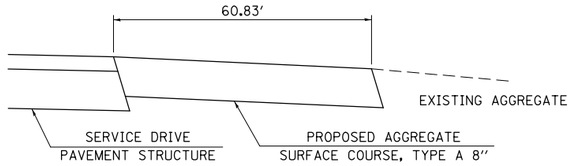
SECTION M-M



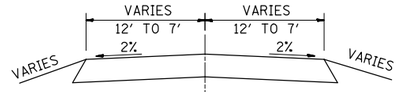
SECTION N-N



PLAN

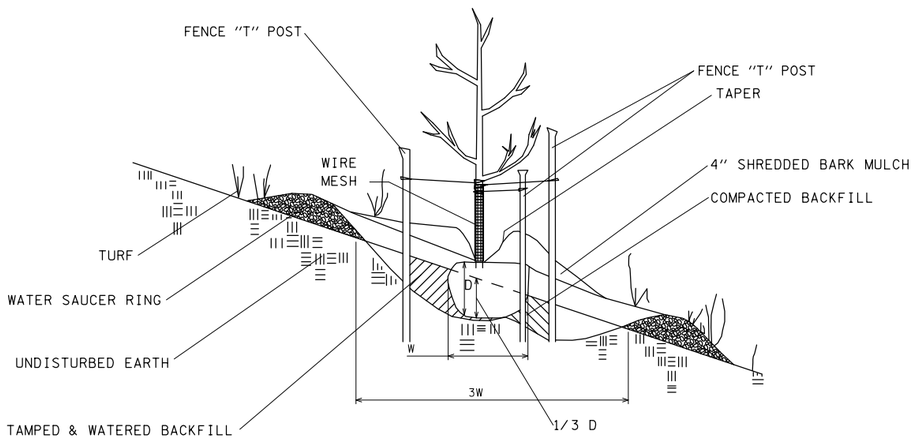


SECTION ALONG CENTERLINE

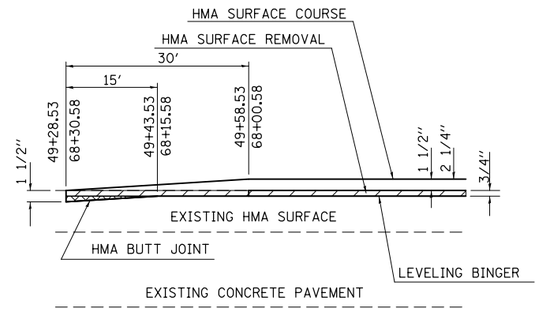


SECTION O-O

HILLSIDE PLANTING DEPTH



TREE SIZE CALIPER	SHRUB TREE HEIGHT	EVERGREEN HT.	MIN DIAMETER BALL W	MIN DEPTH BALL D	HOLE DEPTH 2/3 D	HOLE DEPTH 3 W
INCH	FOOT	FOOT	INCH	INCH	INCH	INCH
1/4	2	1.5	10	10	5	30
1/2	3	2	12	12	6	36
3/4	4	3	14	14	7	42
1	5	4	16	16	8	48
1 1/4	6	4 1/2	18	18	9	54
1 1/2	7	5	20	20	9	60
1 3/4	8	6	22	22	10	66
2	9	7	24	24	11	72
2 1/2	10	8	28	28	12	84
3	11	9	32	32	13	96
3 1/2	12	12	38	38	15	114
4		14	42	42	17	126
4 1/2		16	48	48	19	144
5		18	54	54	21	162
5 1/2			57	57	23	171
6			60	60	24	180
7			70	70	28	210
8			80	80	32	240



BUTT JOINT DETAIL

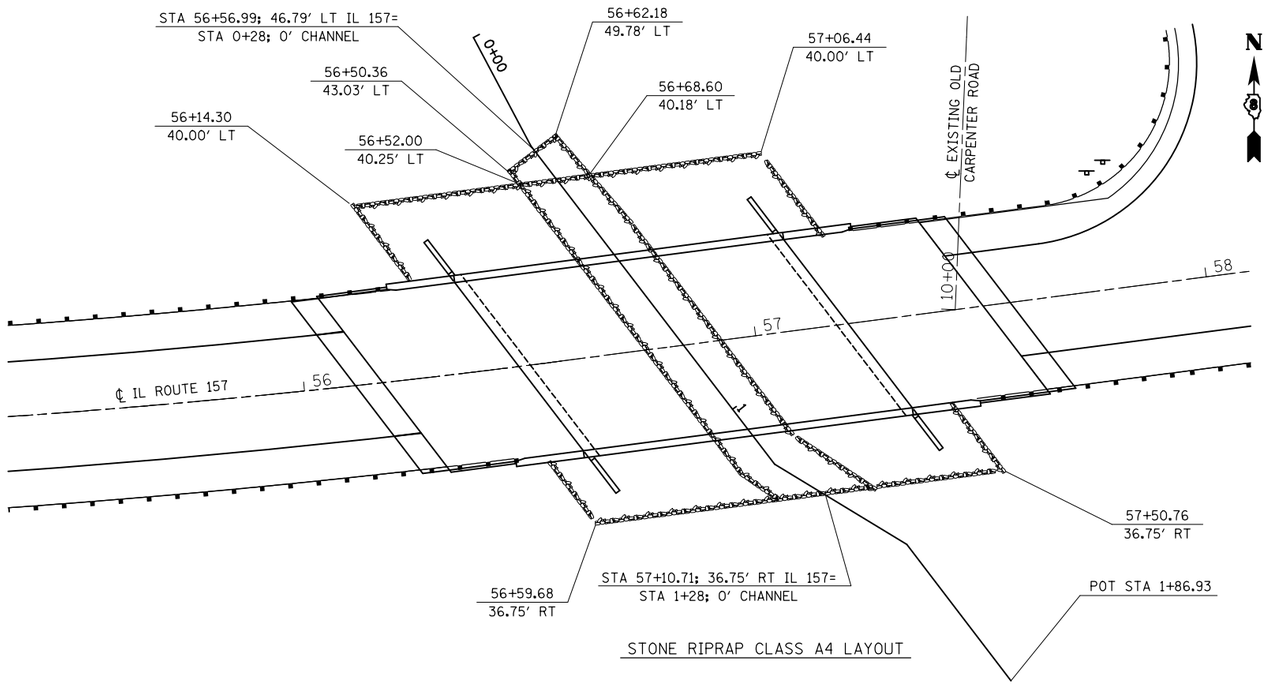
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

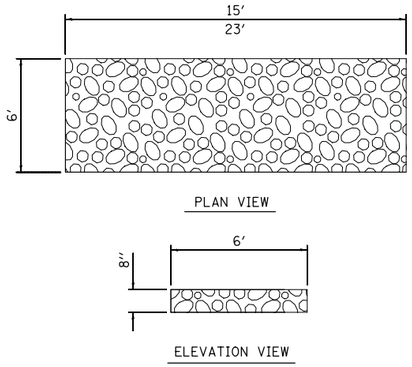
MISCELLANEOUS DETAILS

SCALE: NONE | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

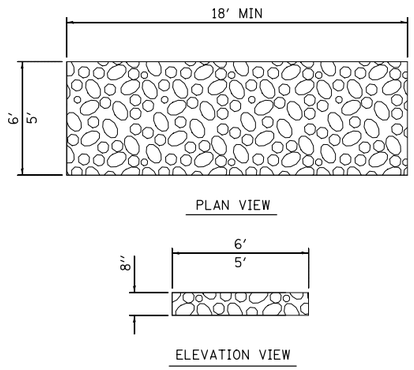
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	104
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		



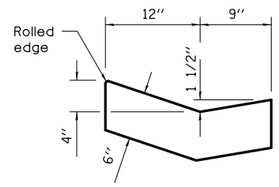
STONE RIPRAP CLASS A4 LAYOUT



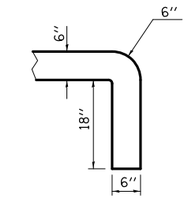
STONE RIPRAP CLASS A3 DETAIL
LOCATED AT THE ENDS OF
CONCRETE GUTTER OUTLETS



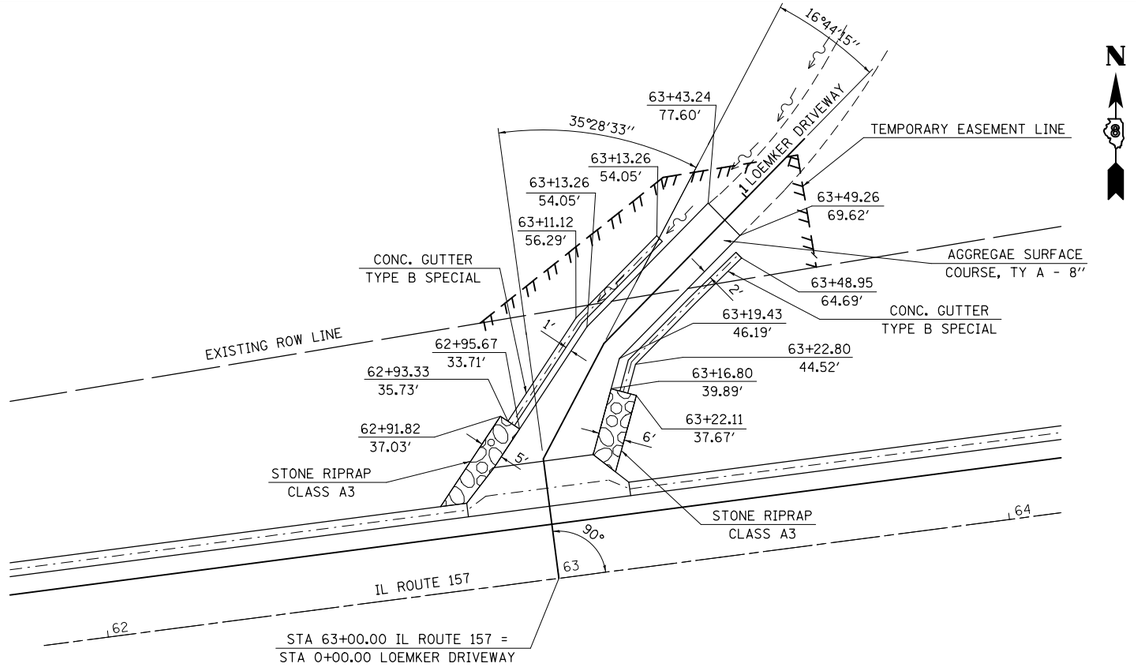
STONE RIPRAP CLASS A3 DETAIL
LOEMKER DRIVEWAY



CONCRETE GUTTER DETAIL
CONCRETE GUTTER TYPE B SPECIAL



SECTION AT OUTLET
OUTLET END OF
TYPE B GUTTER SPECIAL



LOEMKER DRIVEWAY DETAIL

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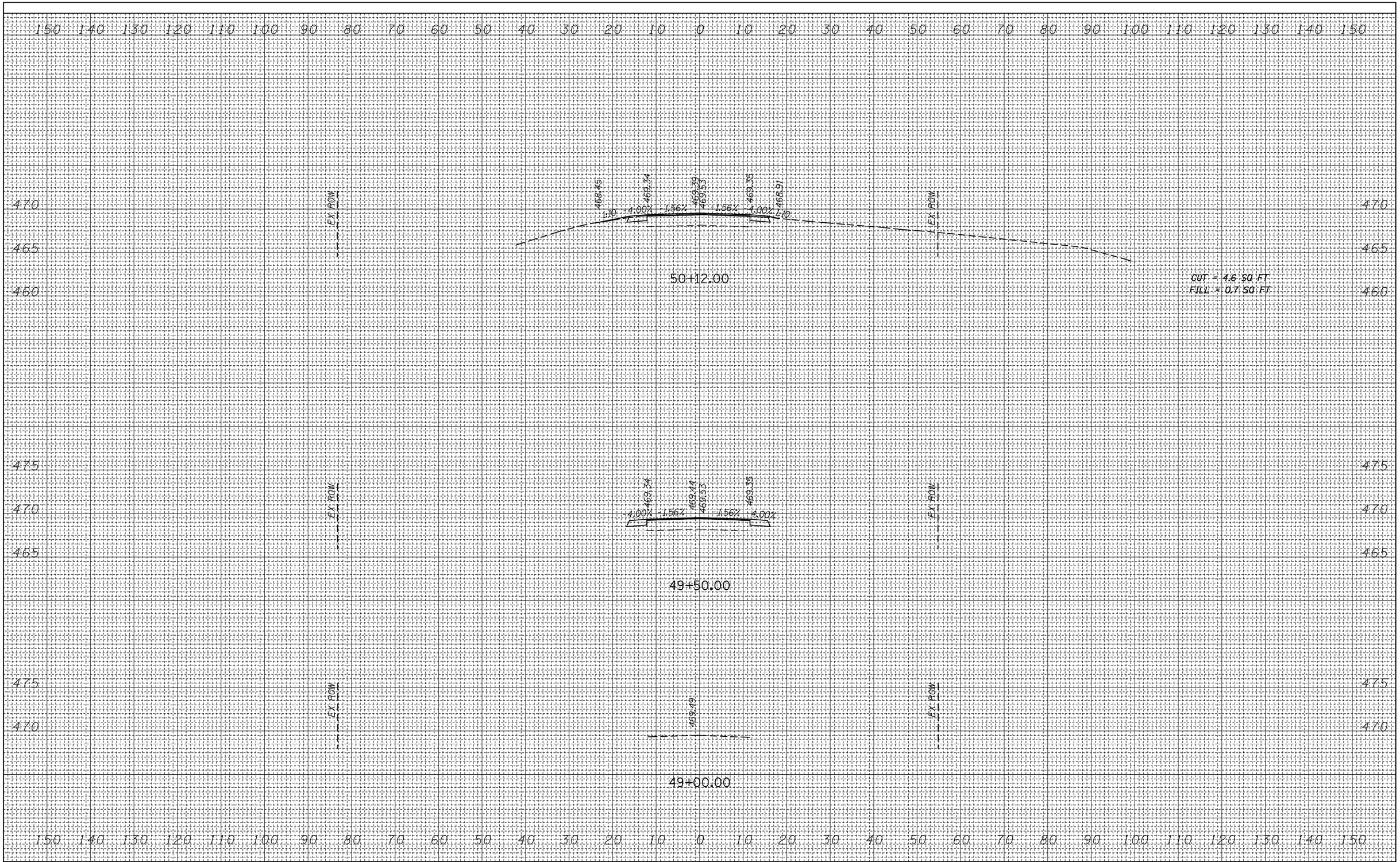
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: NONE | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	105
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

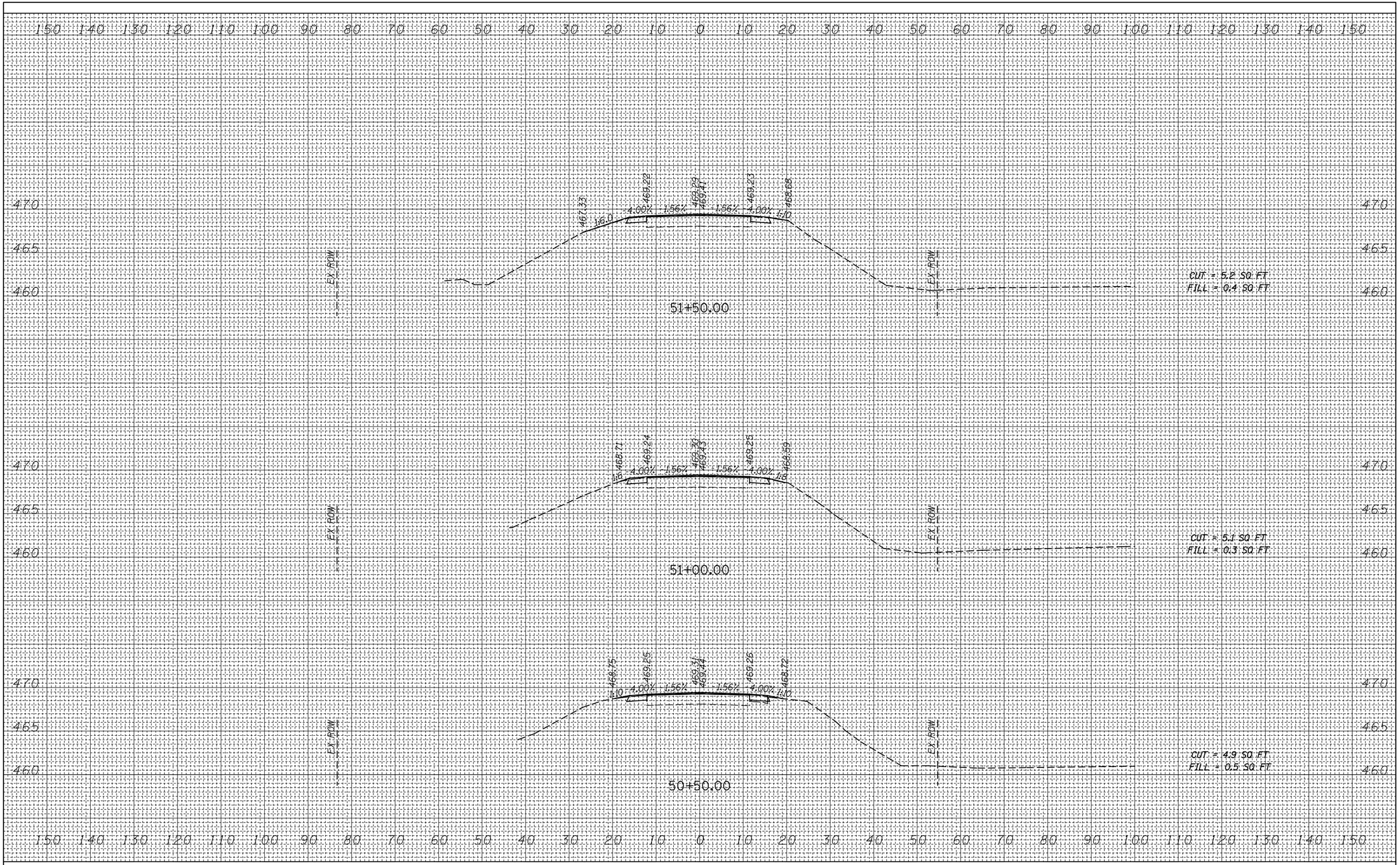
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 1 OF 19 SHEETS | STA. 49+00.00 | TO STA. 50+12.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	106
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

NO.	BY	DATE
NOTE BOOK	SURVEYED	
PAGES	PLOTTED	
AREAS	TEMPLATE	
AREAS CHECKED		

ORIGINAL SURVEY

NO.	BY	DATE
NOTE BOOK	SURVEYED	
PAGES	PLOTTED	
AREAS	TEMPLATE	
AREAS CHECKED		

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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

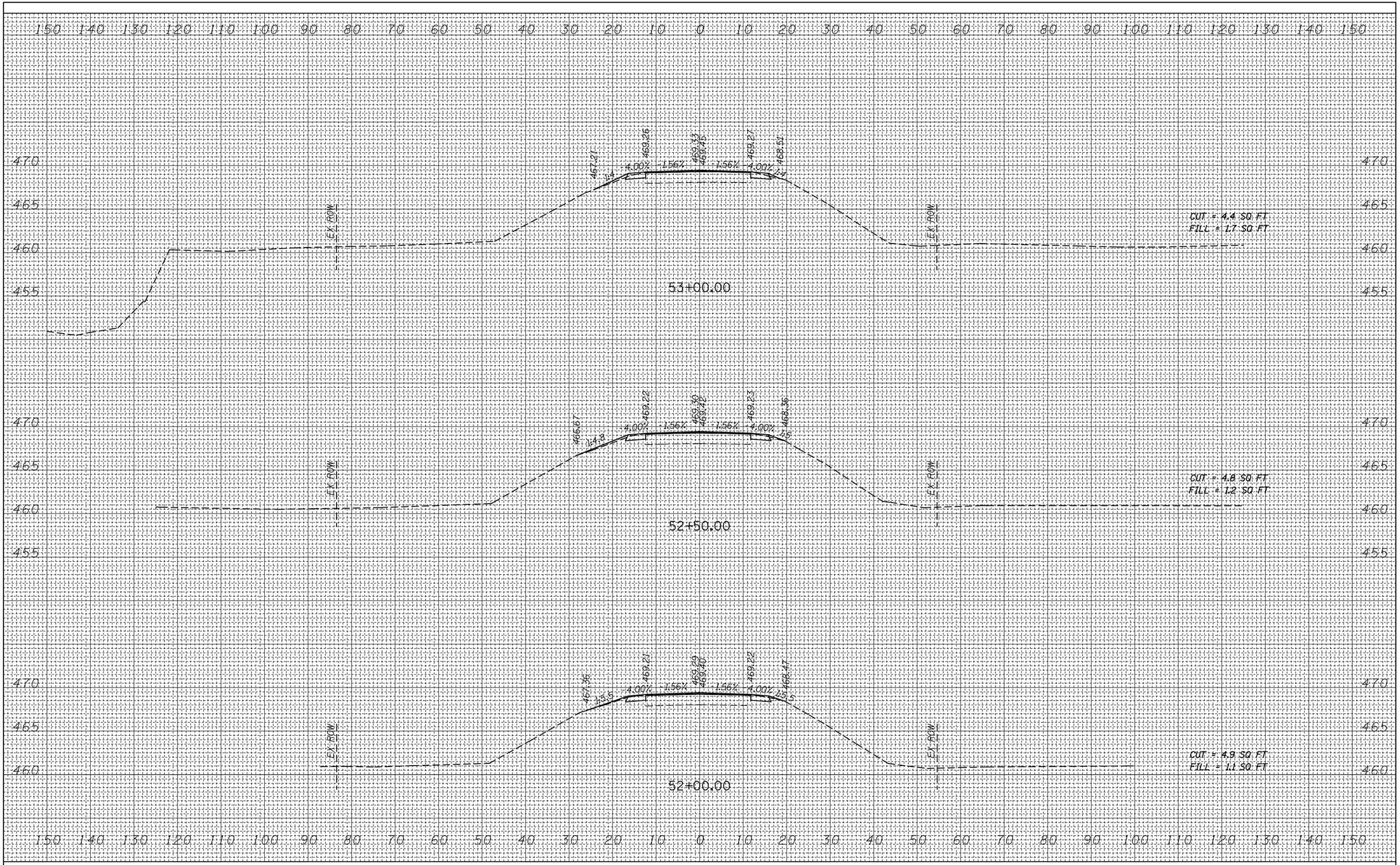
CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 2 OF 19 SHEETS | STA. 50+50.00 | TO STA. 51+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	107
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



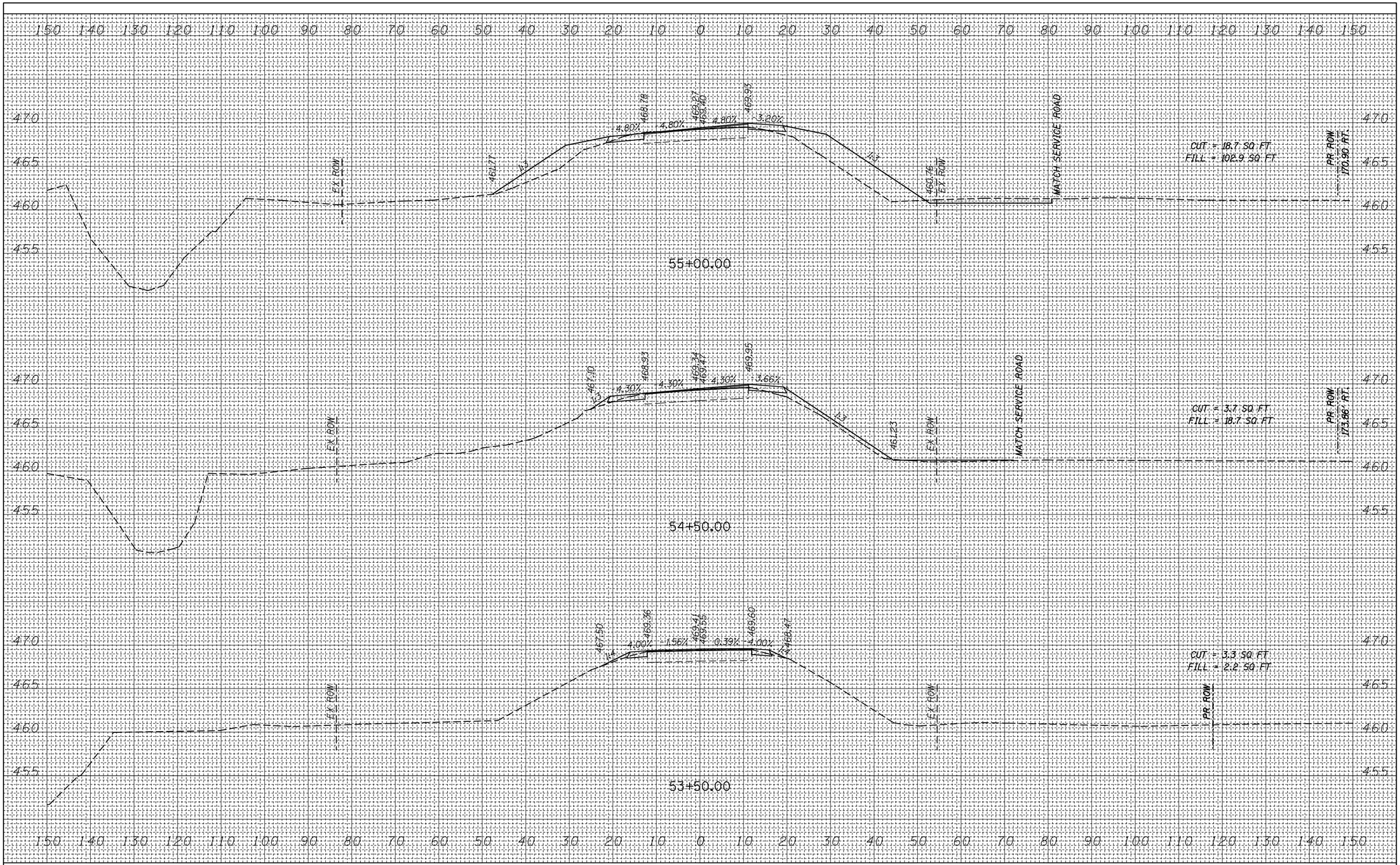
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 3 OF 19 SHEETS | STA. 52+00.00 TO STA. 53+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	108
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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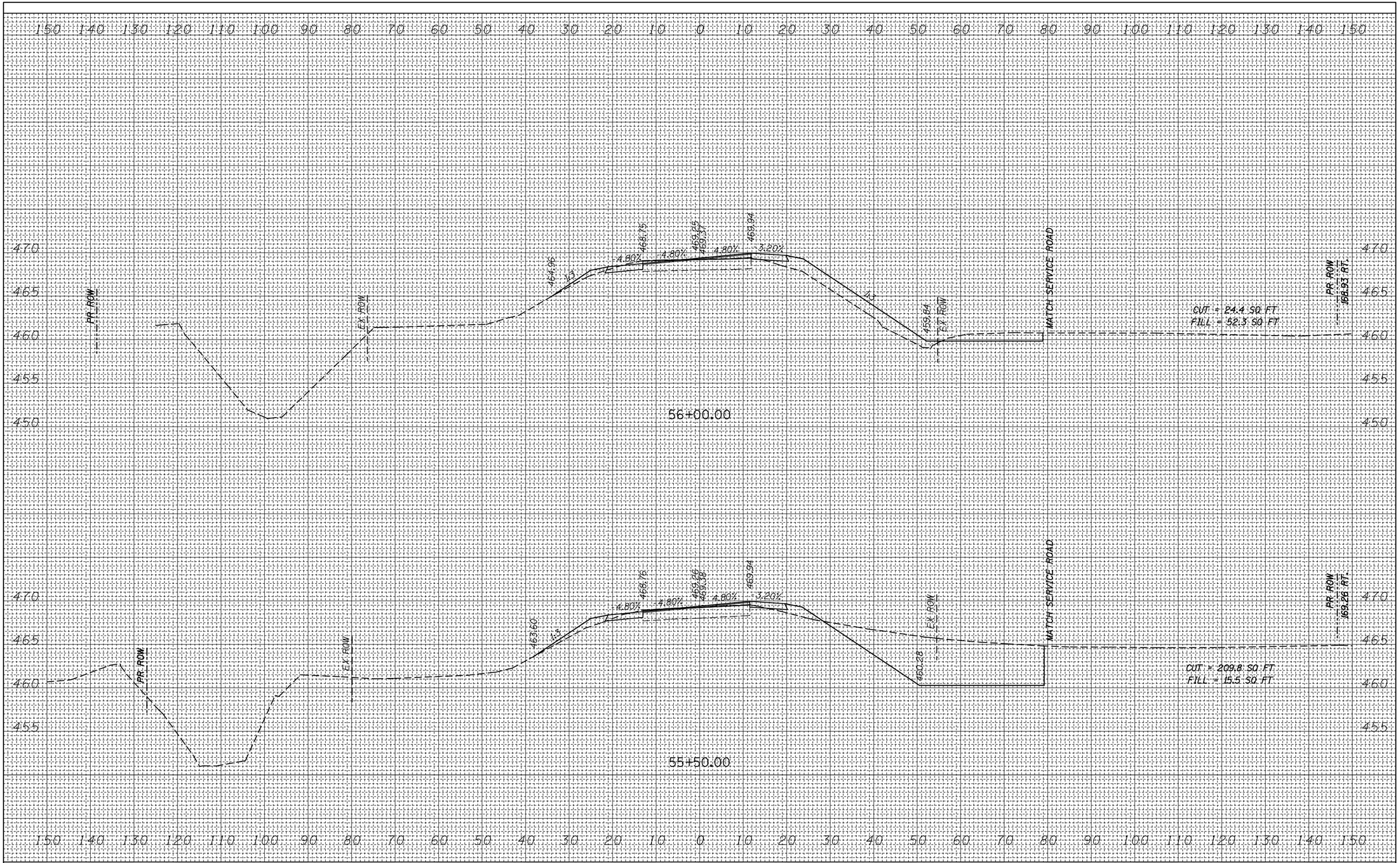
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 4 OF 19 SHEETS | STA. 53+50.00 | TO STA. 55+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	109
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	



ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

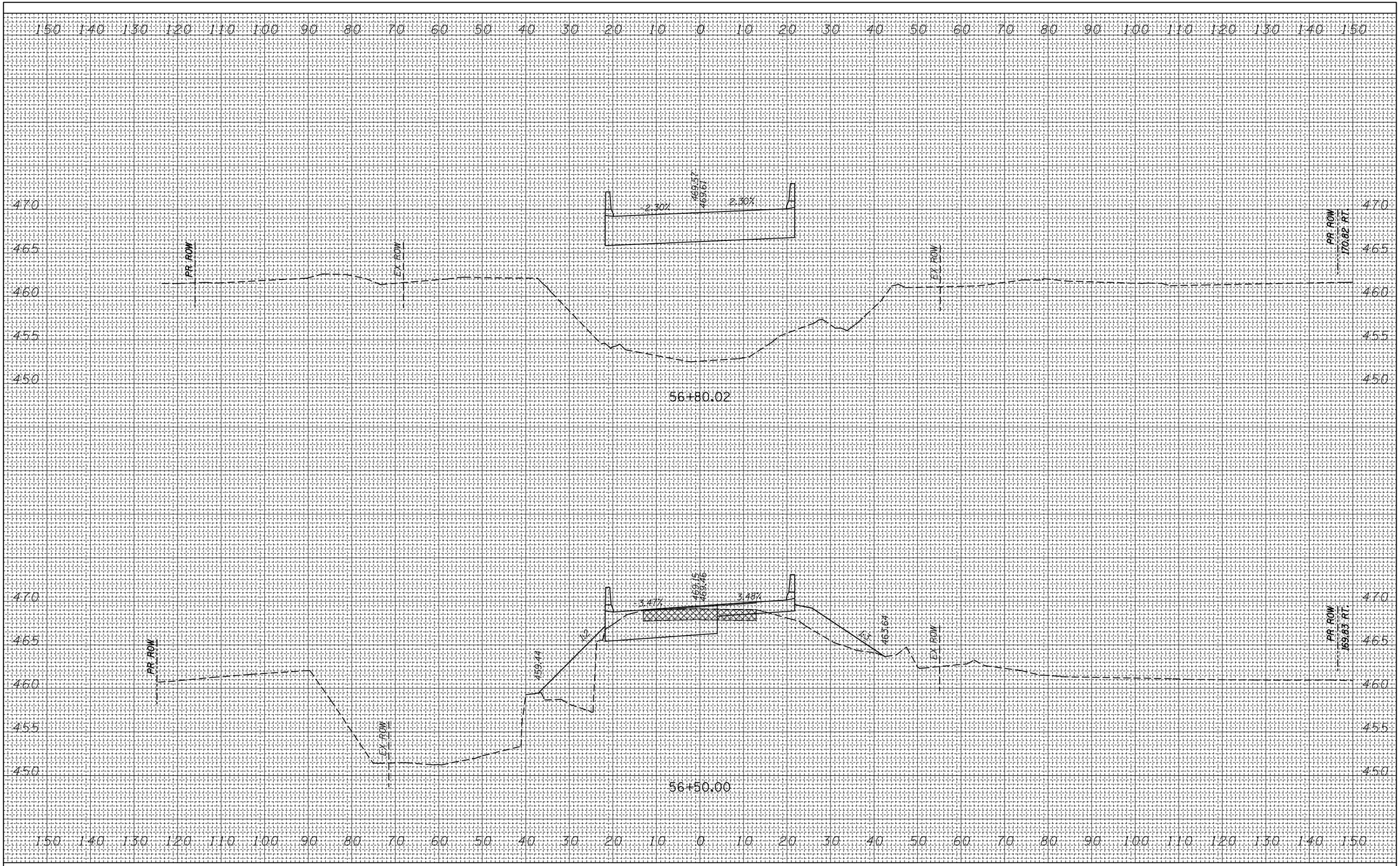
CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 5 OF 19 SHEETS | STA. 55+50.00 TO STA. 56+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	110
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	AREAS	AREAS CHECKED
PLOTTED		
TEMPLATE		
AREAS		

BY	DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	AREAS	AREAS CHECKED
PLOTTED		
TEMPLATE		
AREAS		

BY	DATE

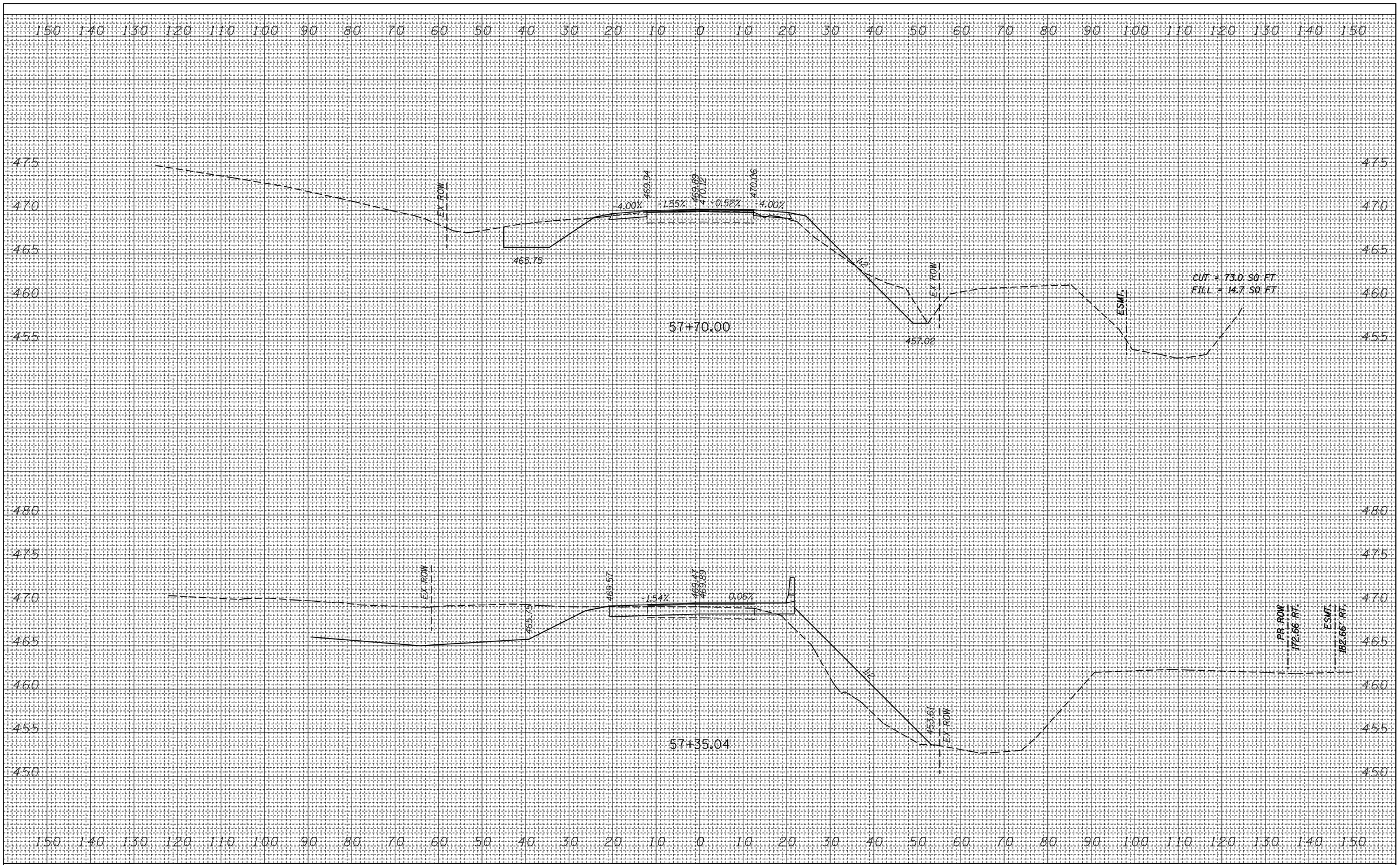
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 6 OF 19 SHEETS | STA. 56+50.00 | TO STA. 56+80.02

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	111
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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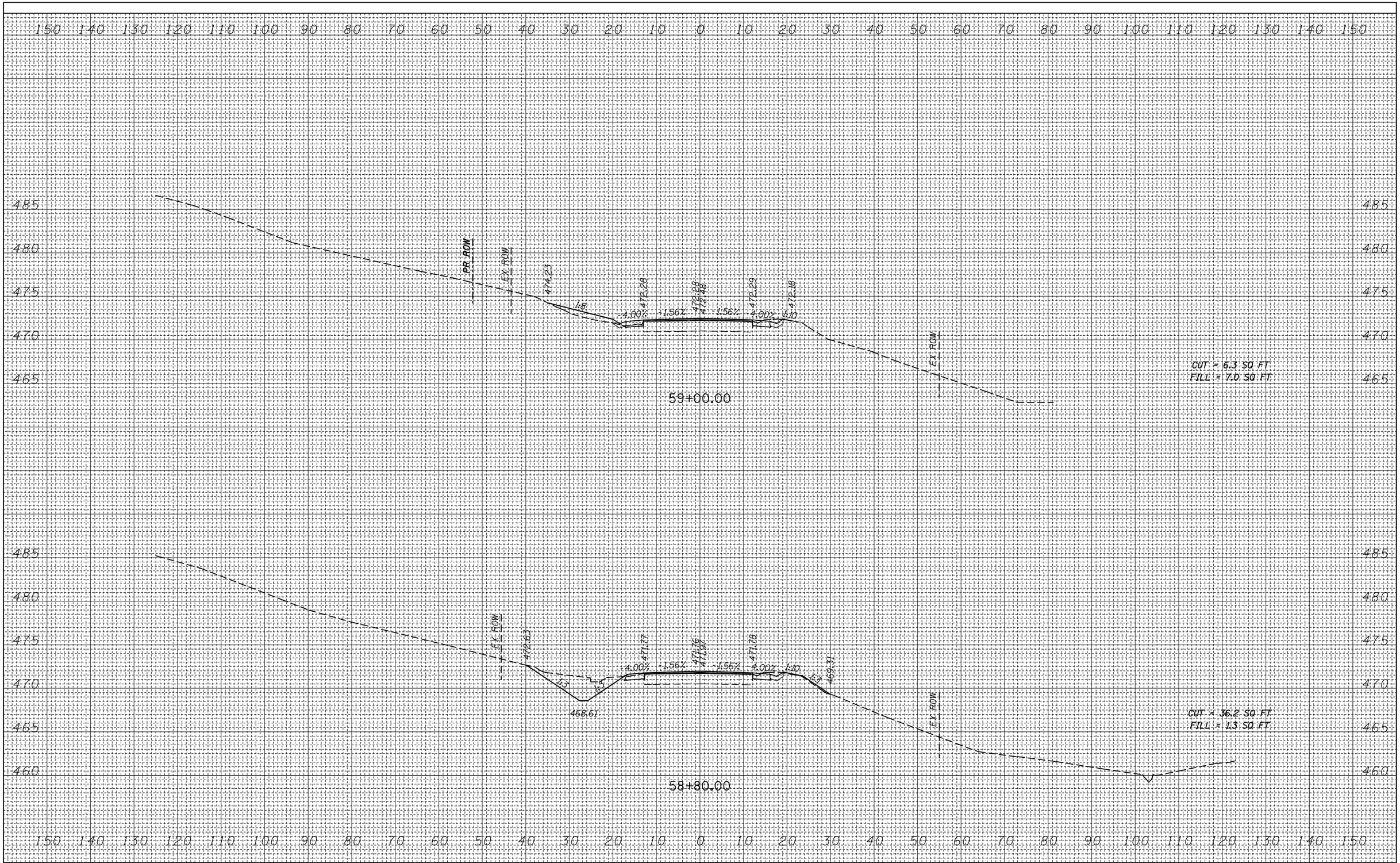
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 7 OF 19 SHEETS | STA. 57+35.04 | TO STA. 57+70.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	112
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	



ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

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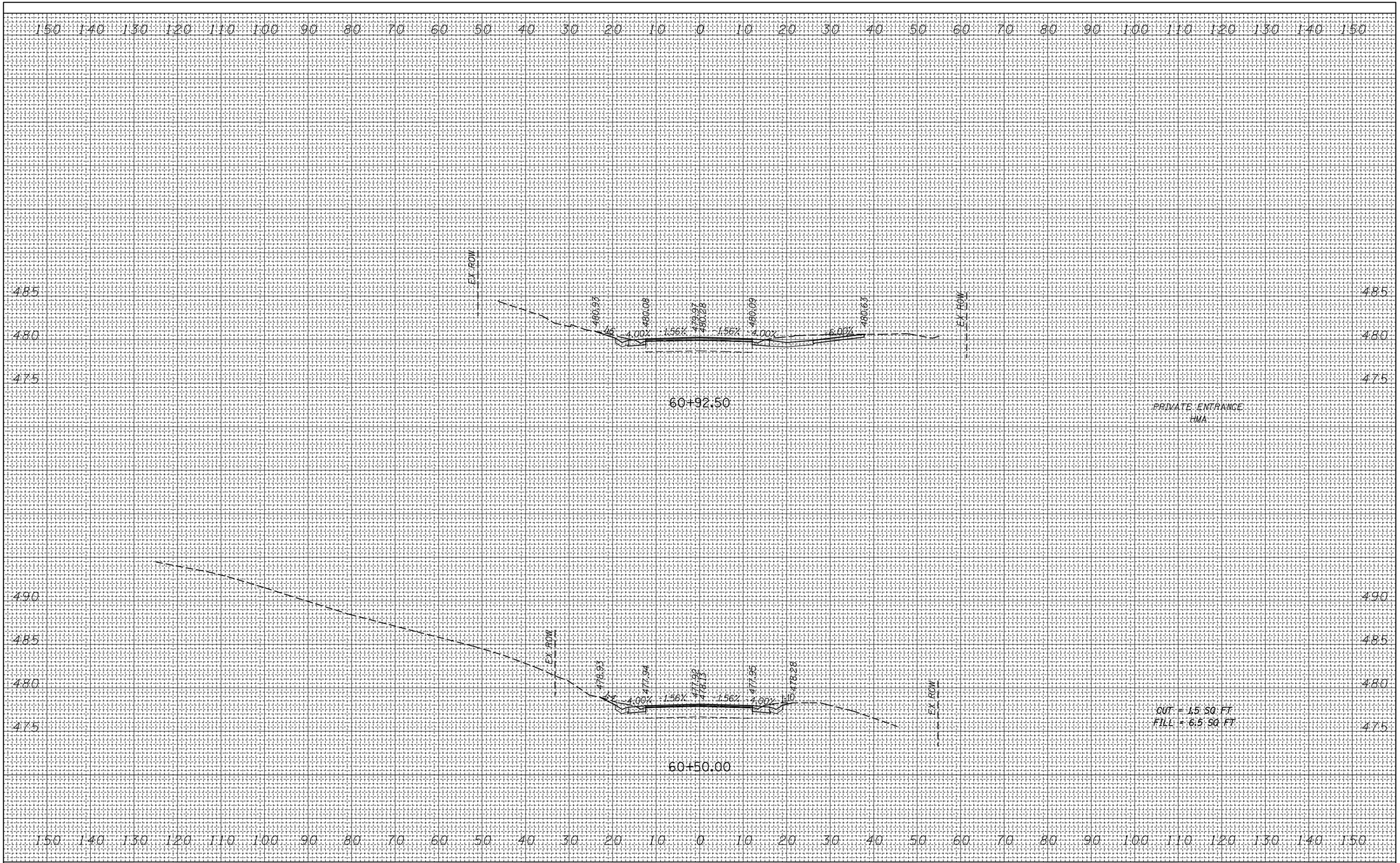
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 8 OF 19 SHEETS | STA. 58+80.00 | TO STA. 59+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	113
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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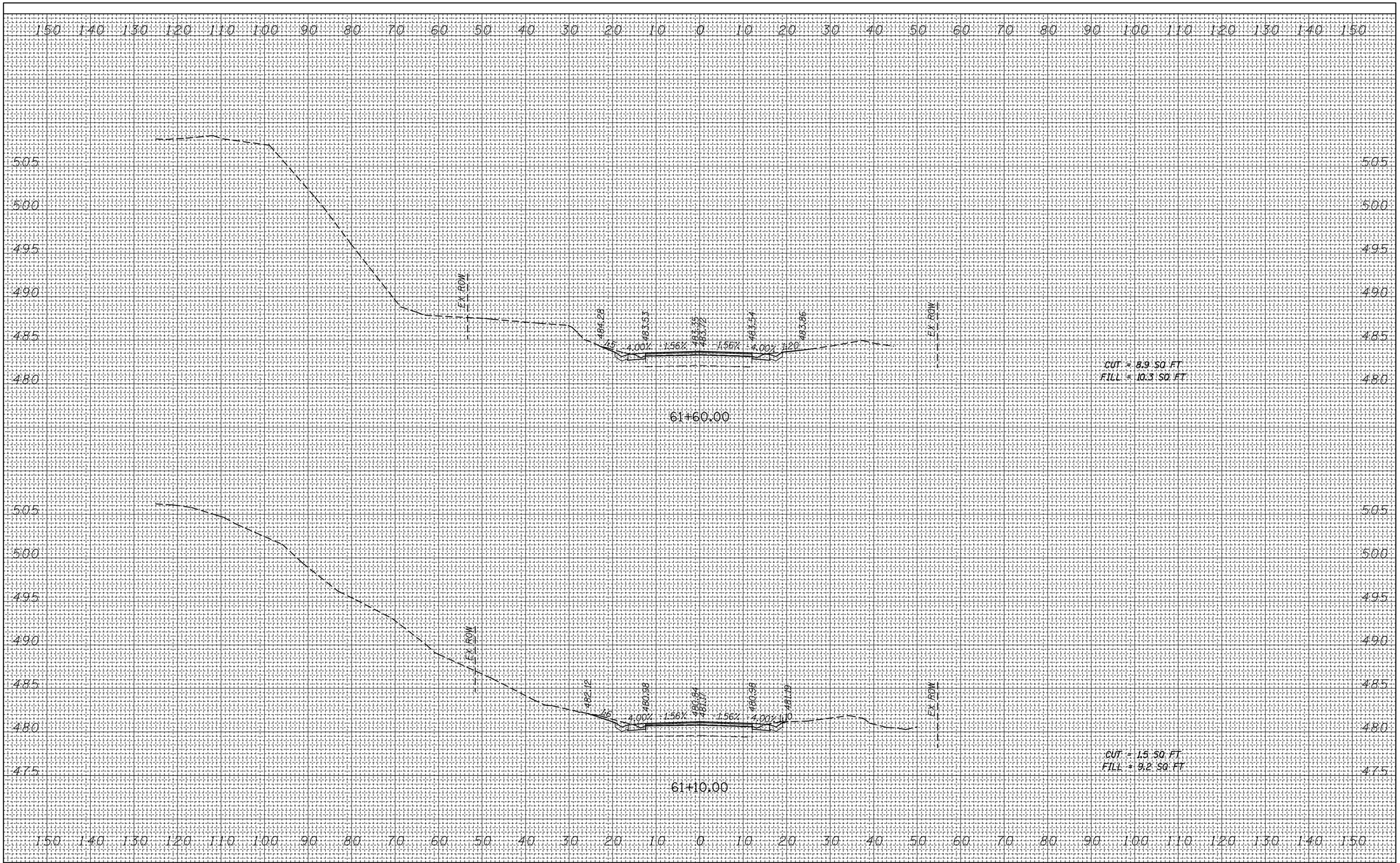
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 10 OF 19 SHEETS | STA. 60+50.00 | TO STA. 60+92.50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	115
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	



ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

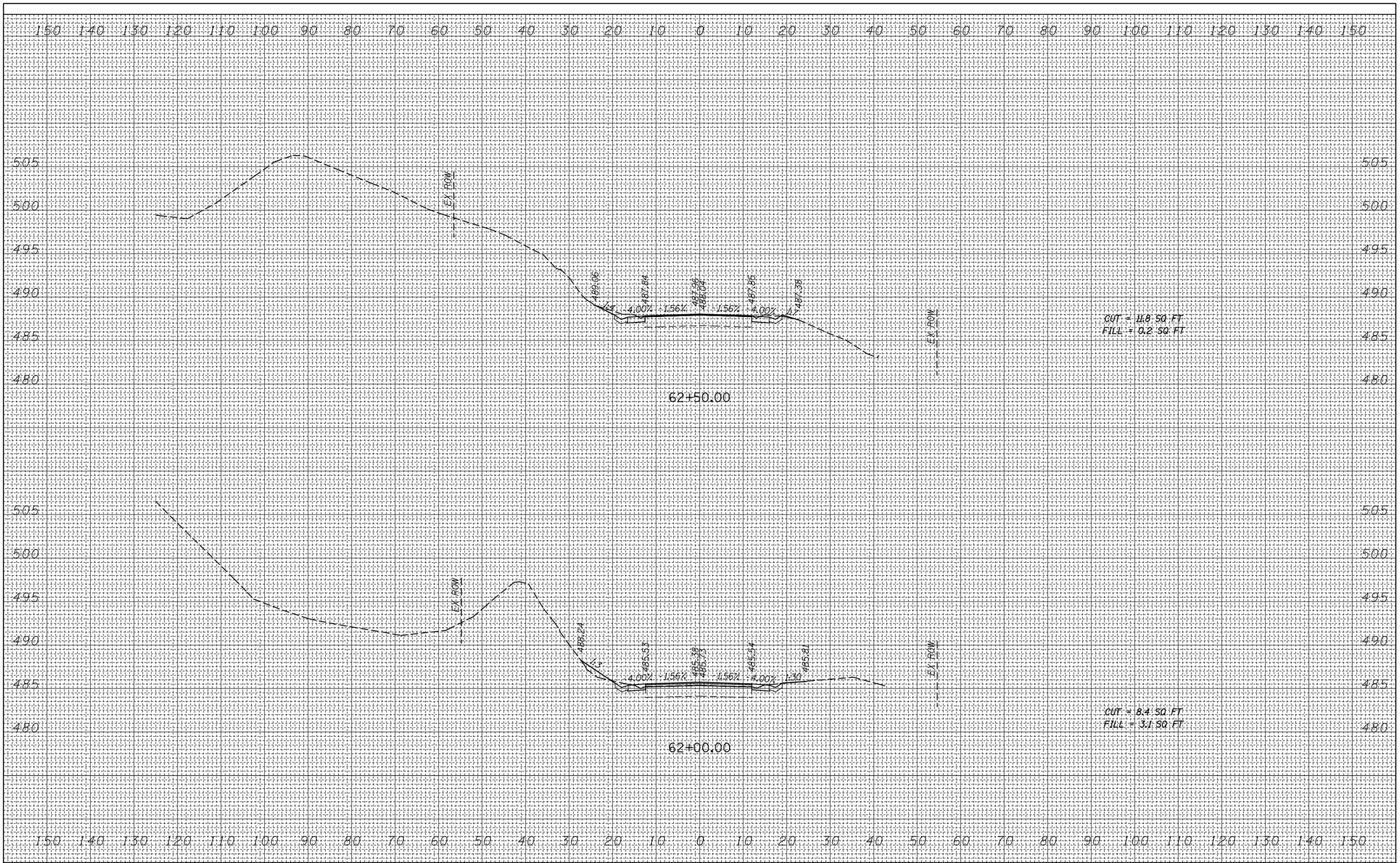
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 11 OF 19 SHEETS | STA. 61+10.00 | TO STA. 61+60.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	116
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

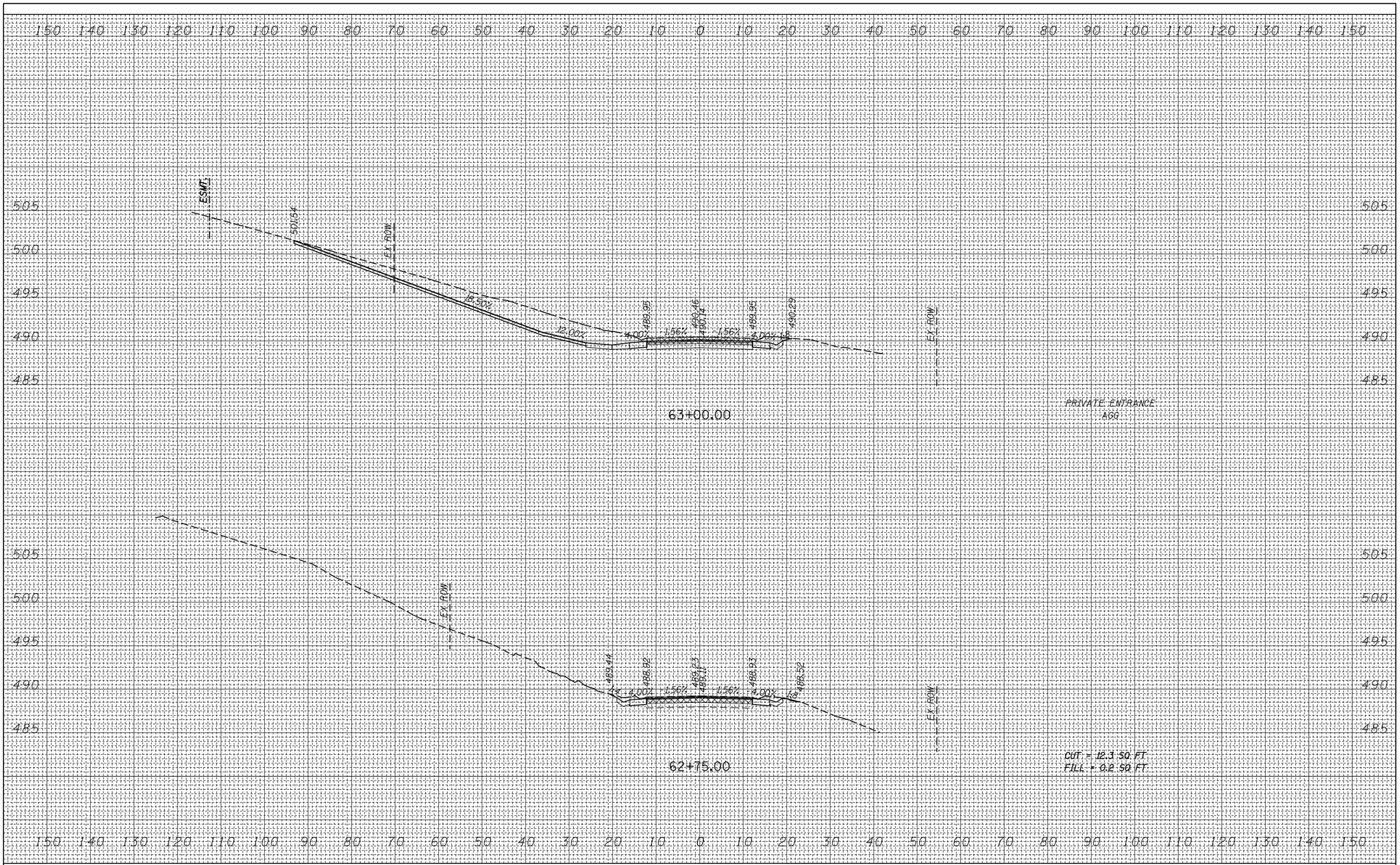
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 12 OF 19 SHEETS | STA. 62+00.00 TO STA. 62+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	117
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

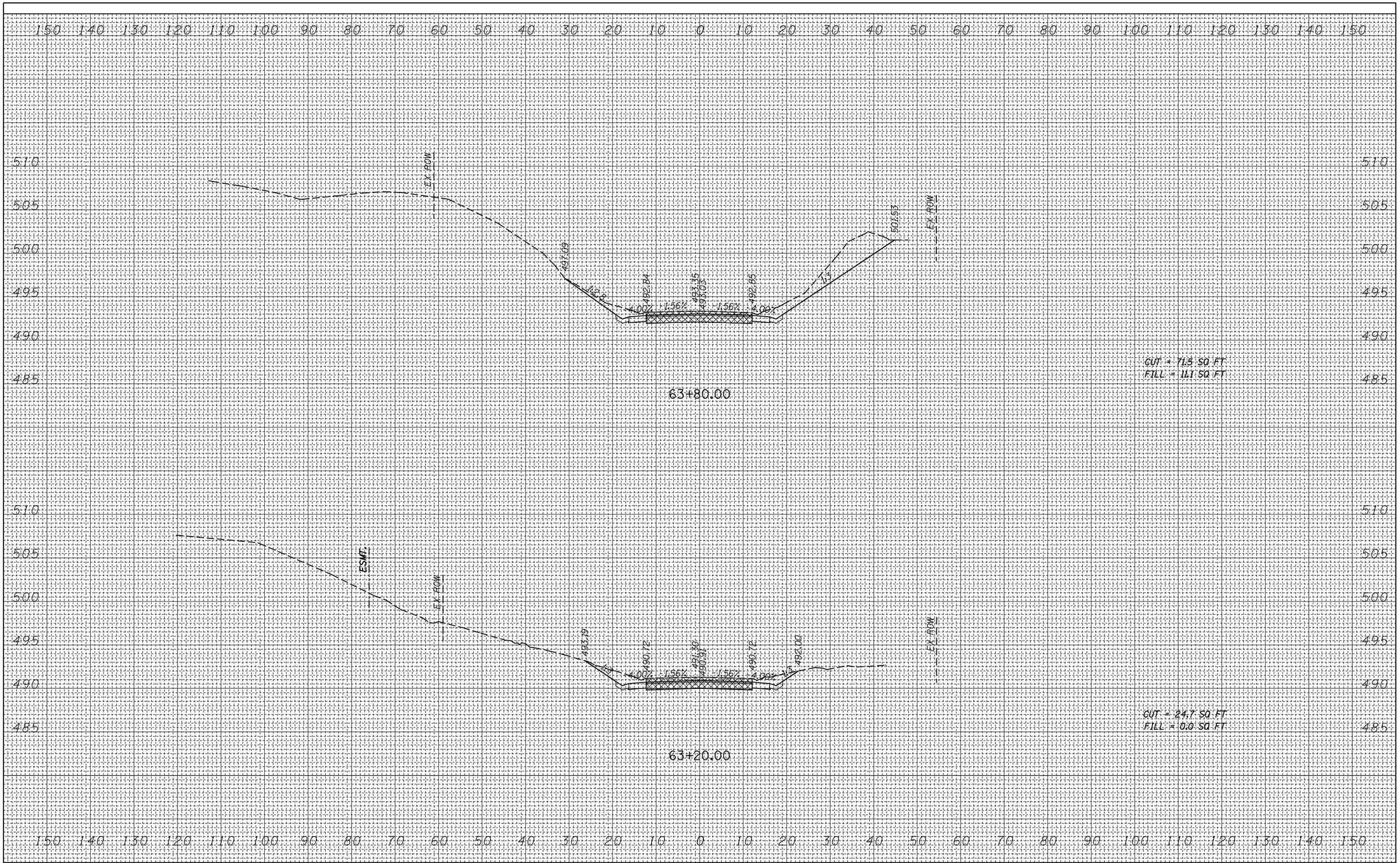
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		DRAWN -	REVISED -
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 13 OF 19 SHEETS | STA. 62+75.00 TO STA. 63+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	118
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

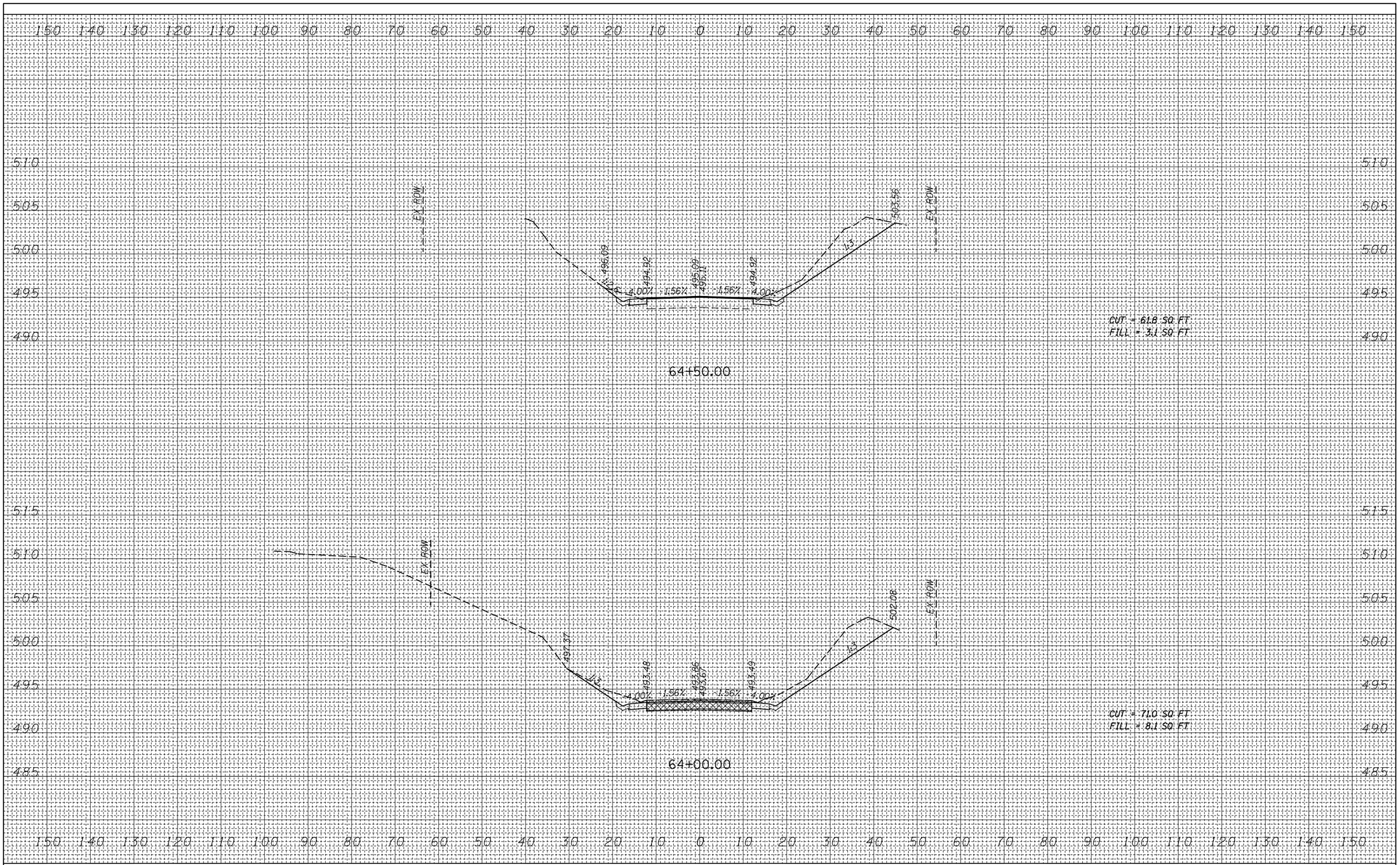
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 14 OF 19 SHEETS | STA. 63+20.00 TO STA. 63+80.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	119
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

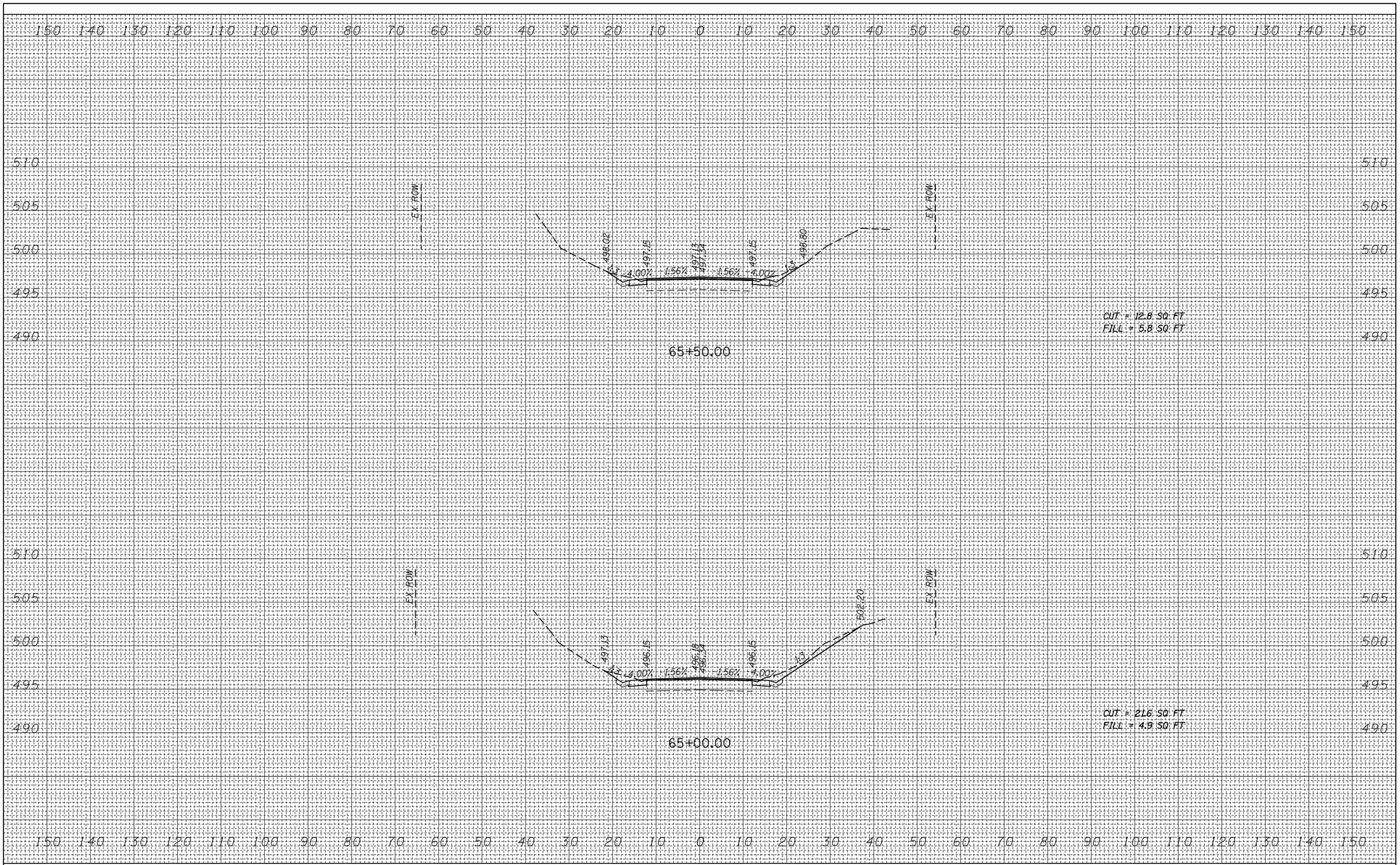
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 15 OF 19 SHEETS | STA. 64+00.00 | TO STA. 64+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	120
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

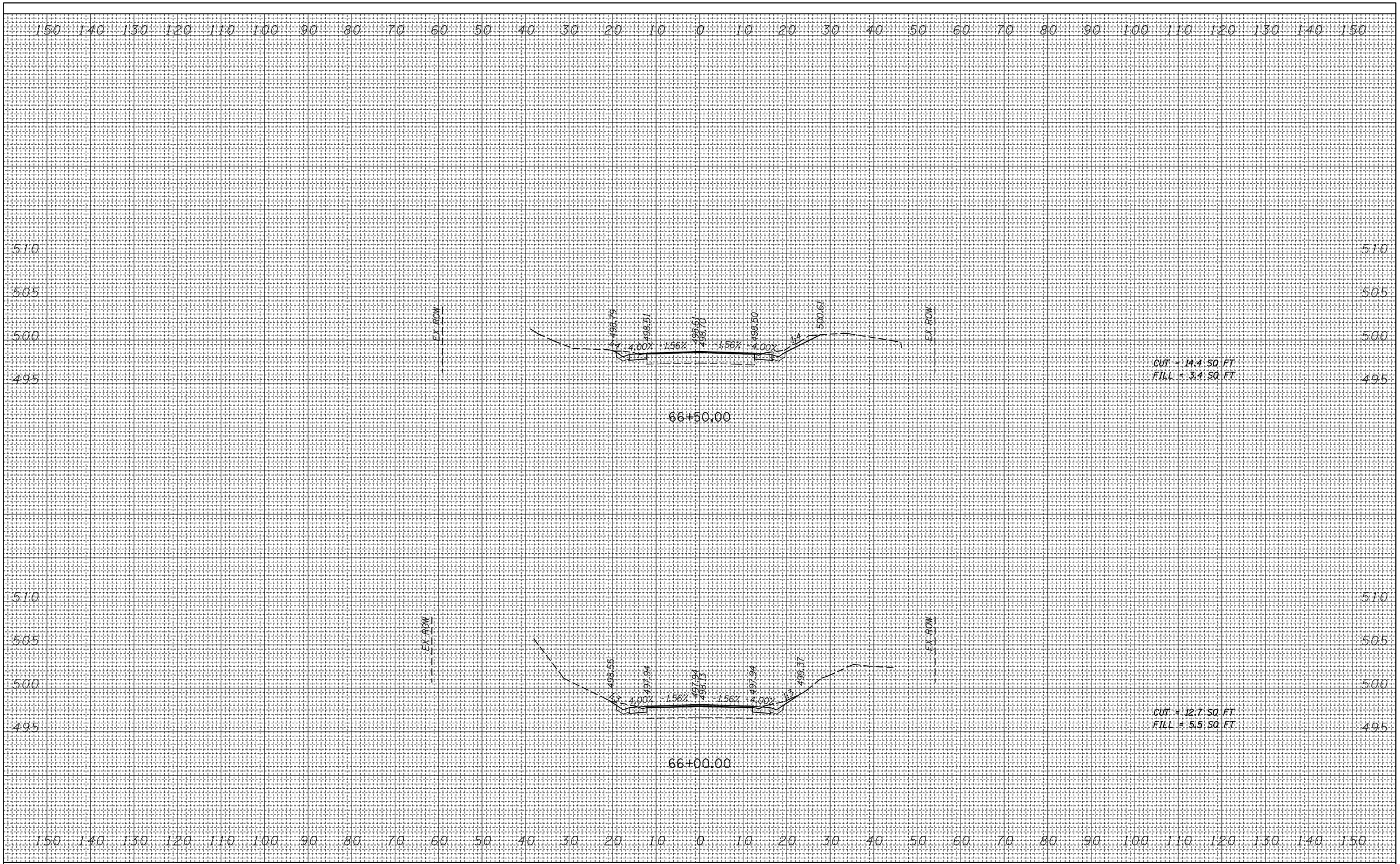
CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 16 OF 19 SHEETS | STA. 65+00.00 | TO STA. 65+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	121
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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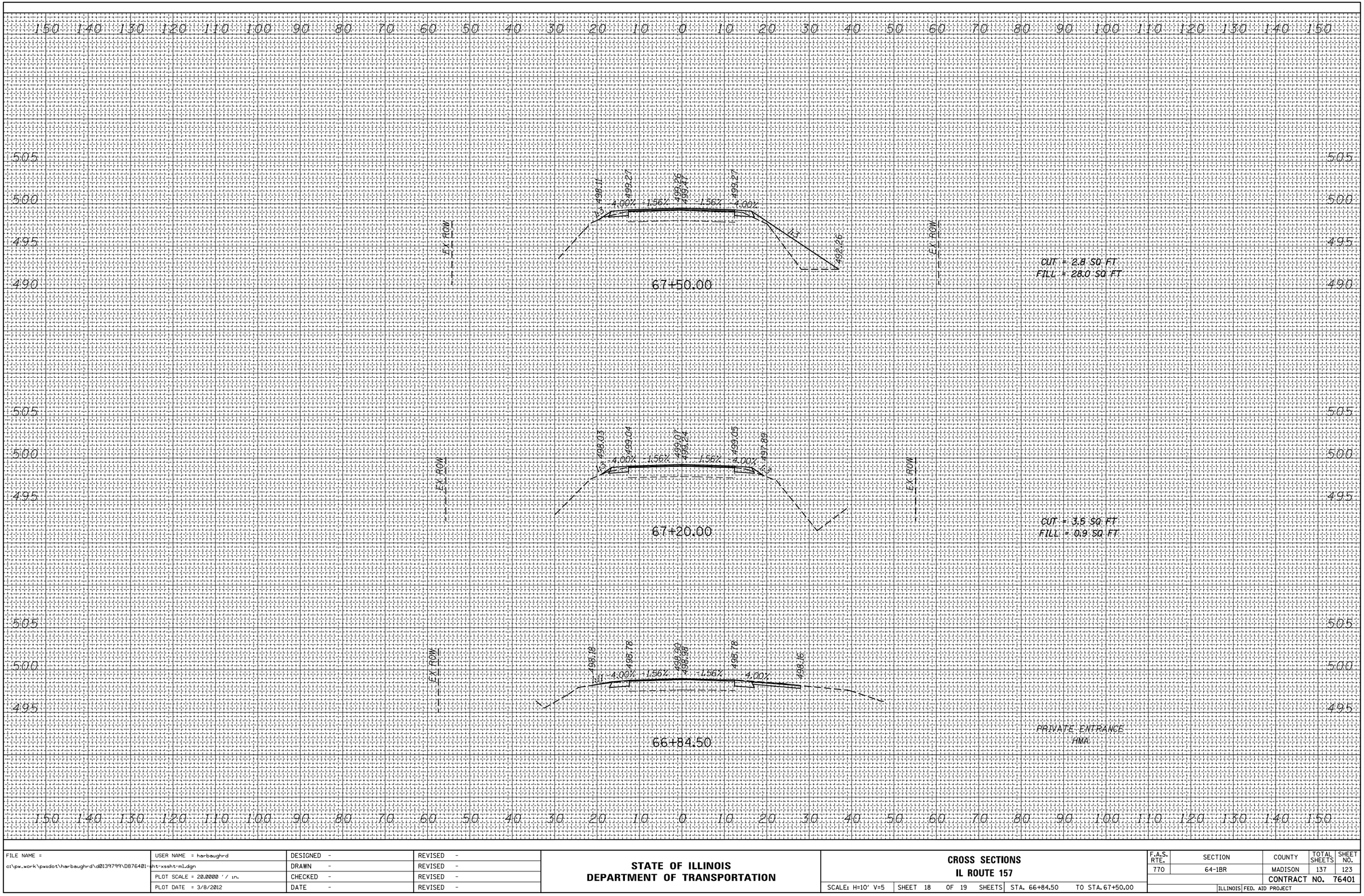
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 17 OF 19 SHEETS | STA. 66+00.00 | TO STA. 66+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	122
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

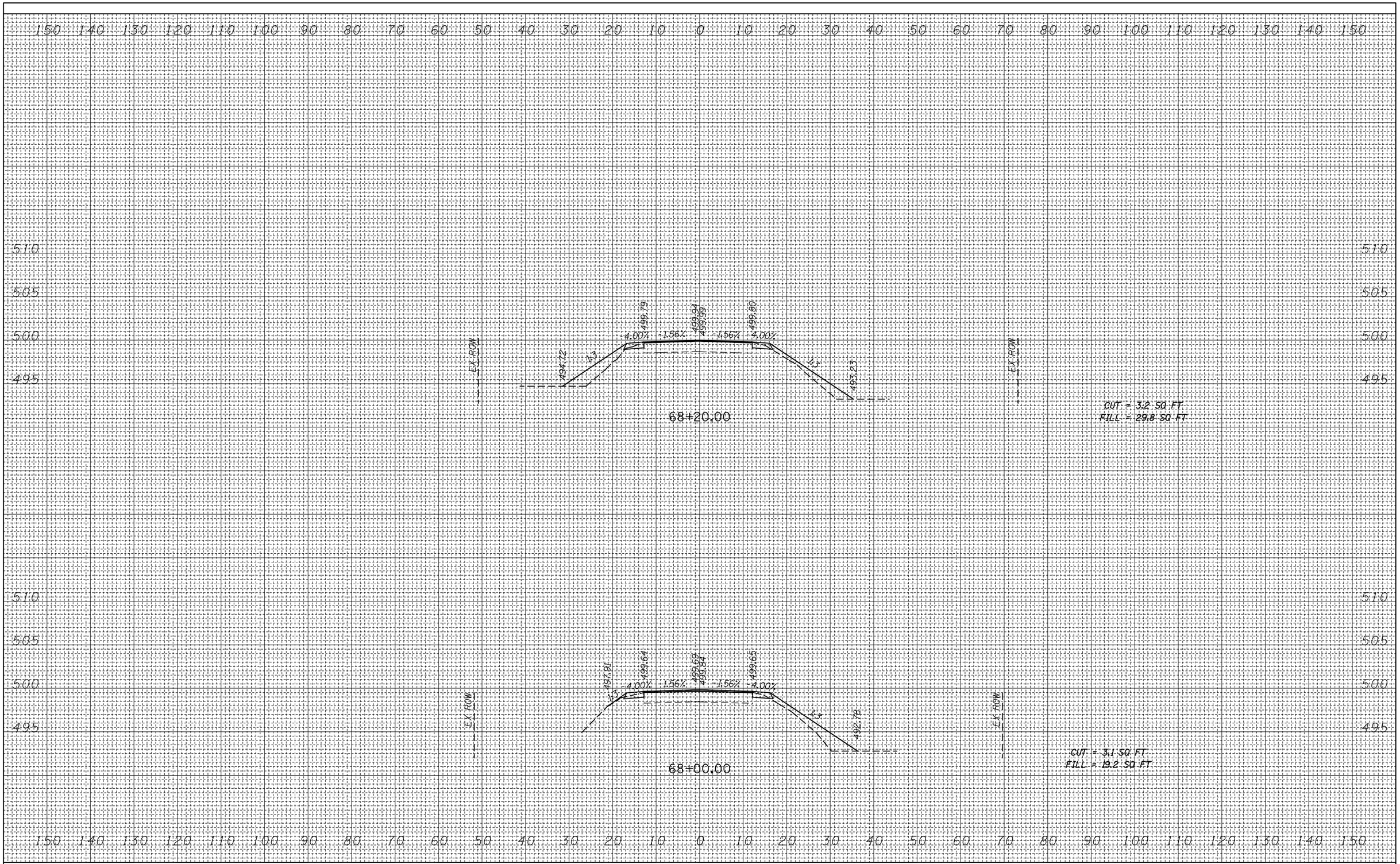
CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 18 OF 19 SHEETS | STA. 66+84.50 | TO STA. 67+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	123
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	



ORIGINAL SURVEY	NOTE BOOK	NO.

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

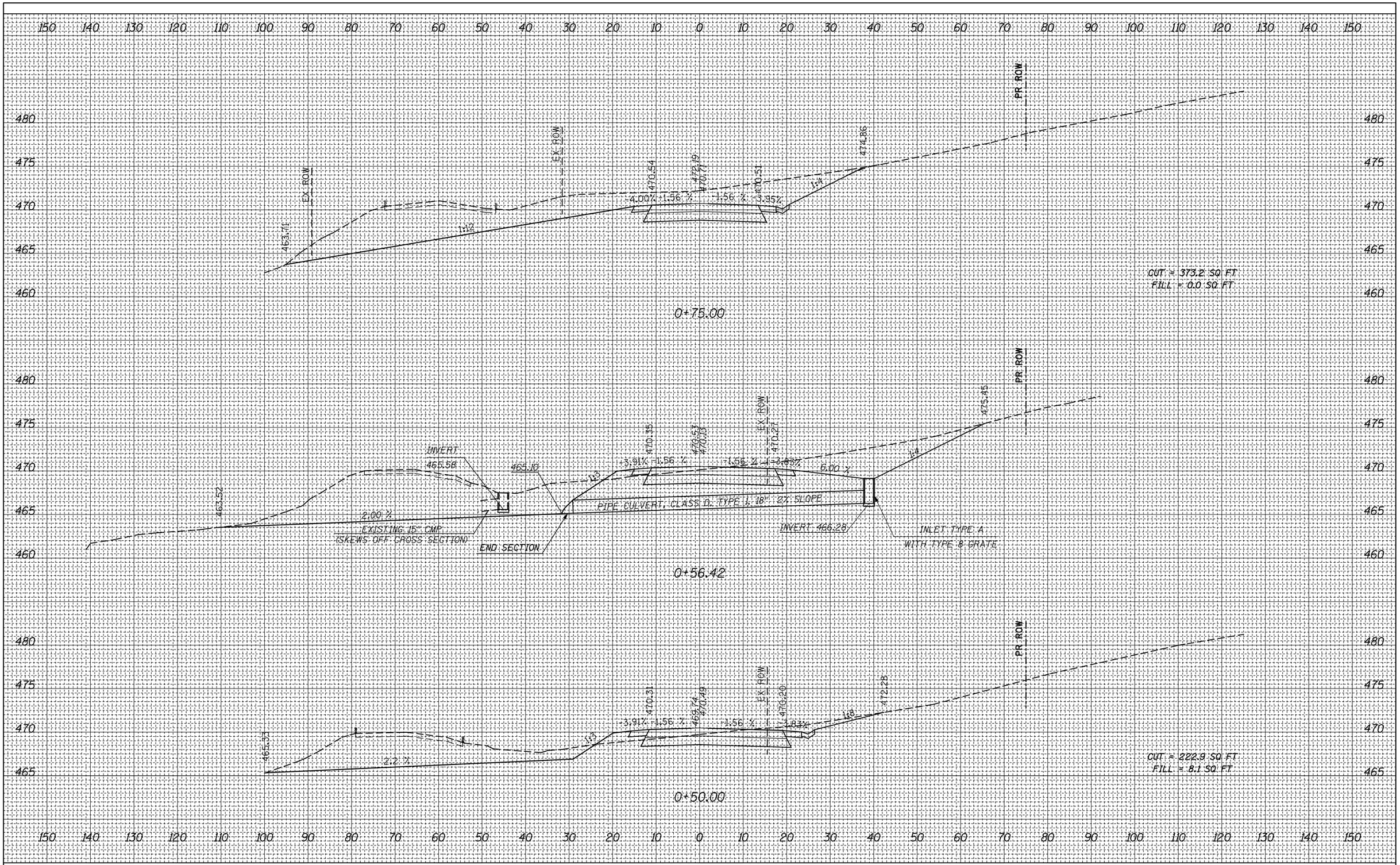
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 157

SCALE: H=10' V=5 | SHEET 19 OF 19 SHEETS | STA. 68+00.00 TO STA. 68+20.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	124
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

NOTE BOOK	SURVEYED	BY	DATE
PAGE NOS.	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK	SURVEYED	BY	DATE
PAGE NOS.	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 1 OF 7 SHEETS | STA. 0+50.00 | TO STA. 0+75.00

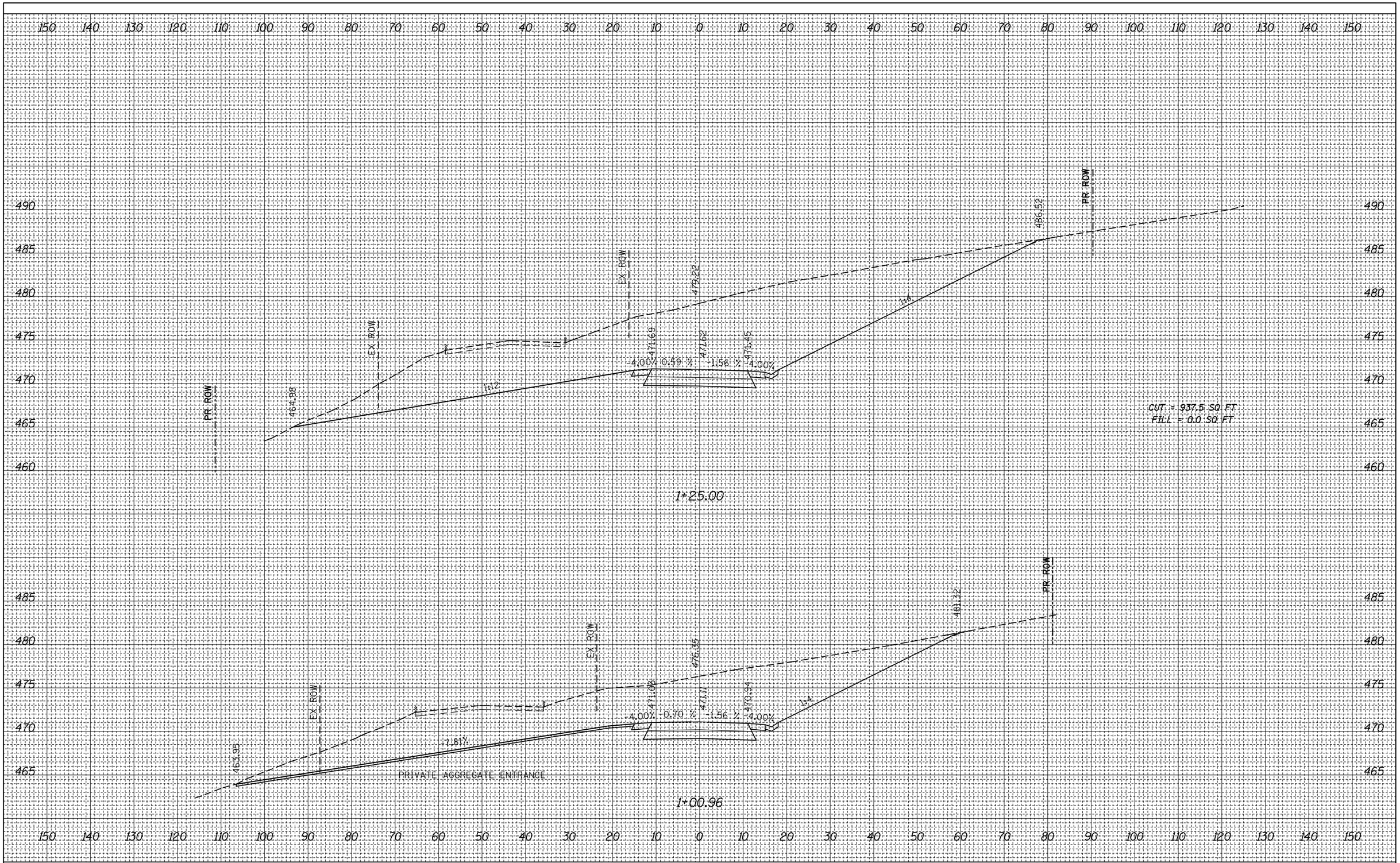
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	125
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

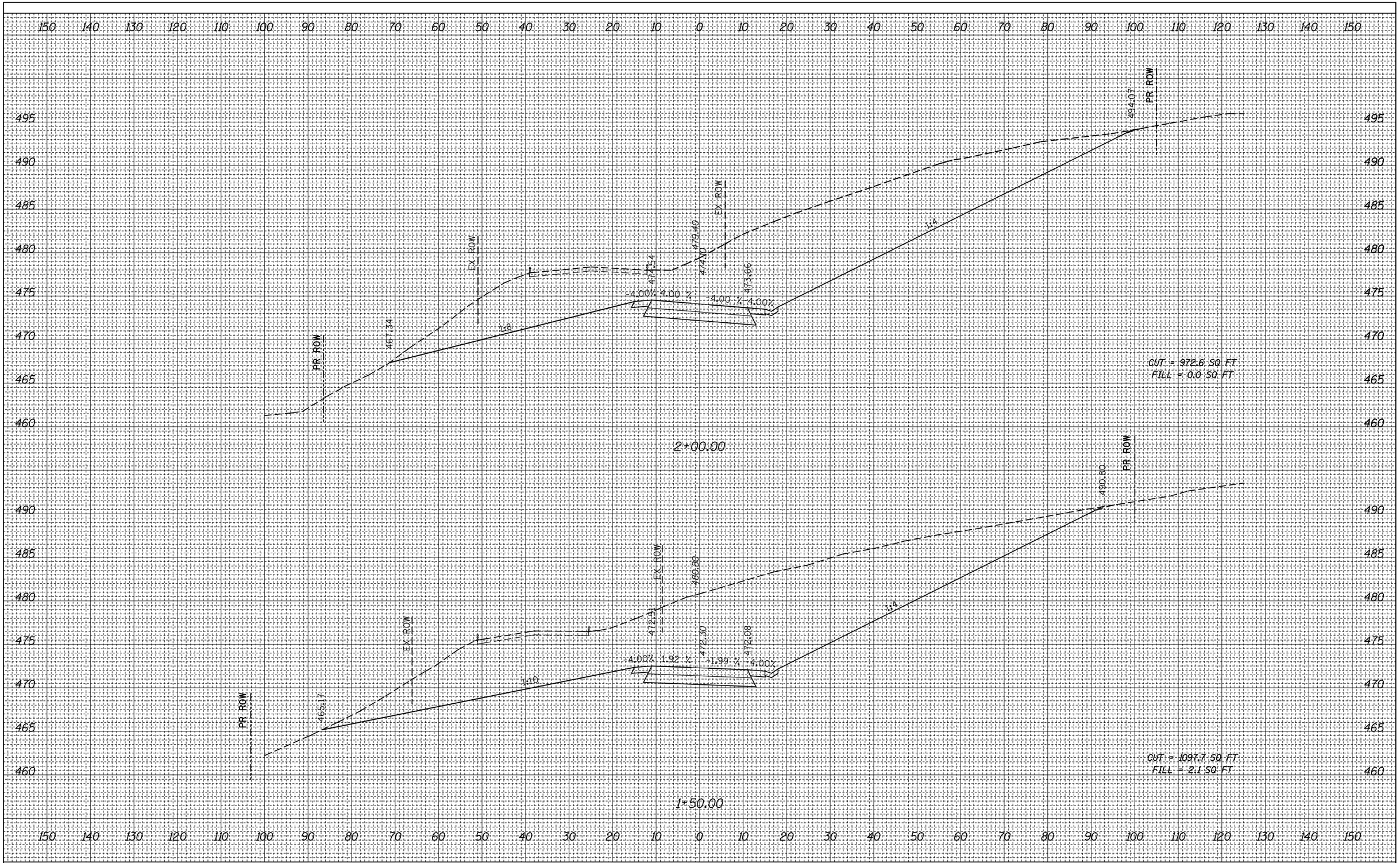
CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 2 OF 7 SHEETS | STA. 1+00.96 | TO STA. 1+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	126
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

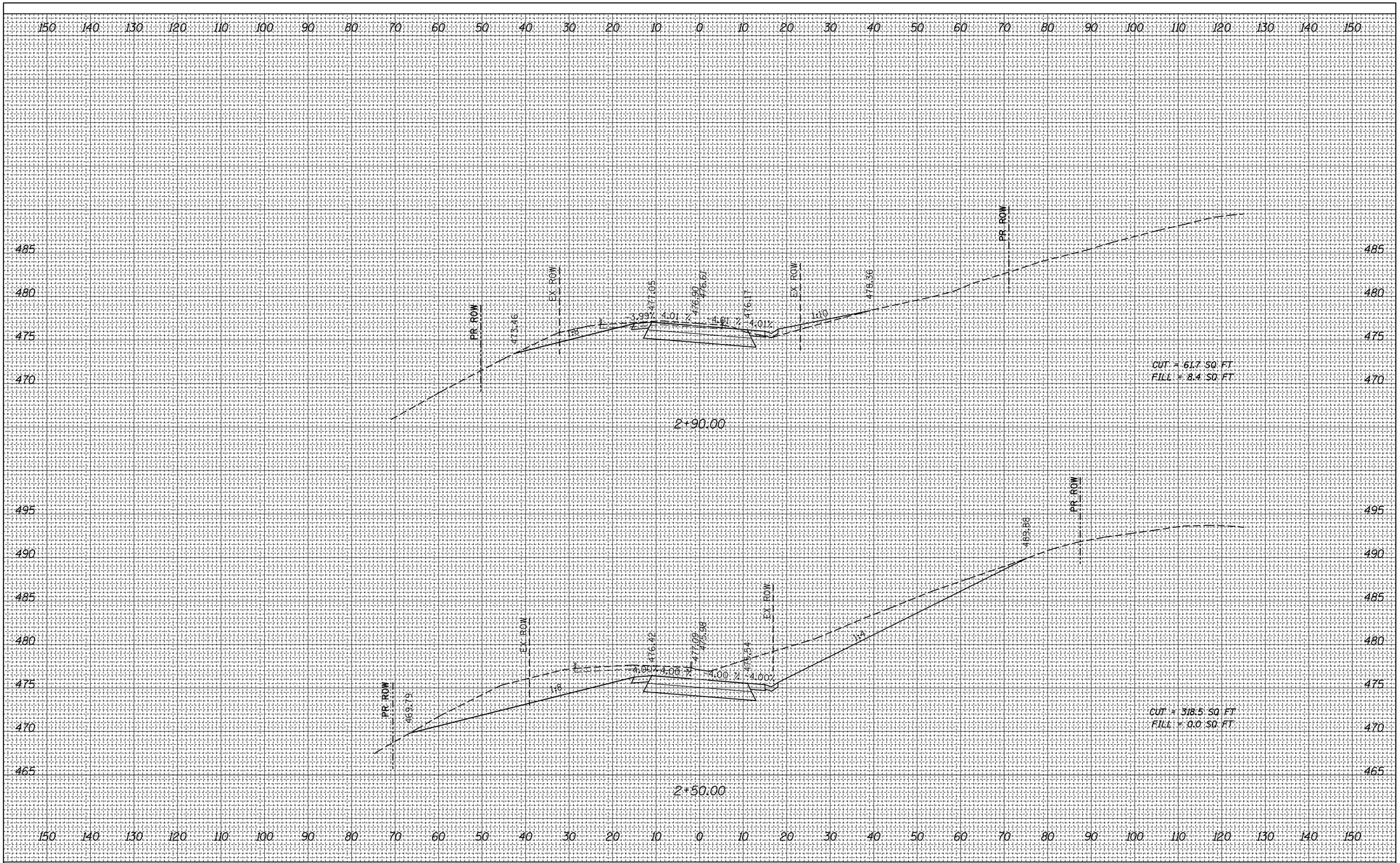
CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 3 OF 7 SHEETS | STA. 1+50.00 | TO STA. 2+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	127
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	HARRIS	AREAS CHECKED
PLOTTED		
TEMPLATE		

BY	DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	HARRIS	AREAS CHECKED
PLOTTED		
TEMPLATE		

BY	DATE

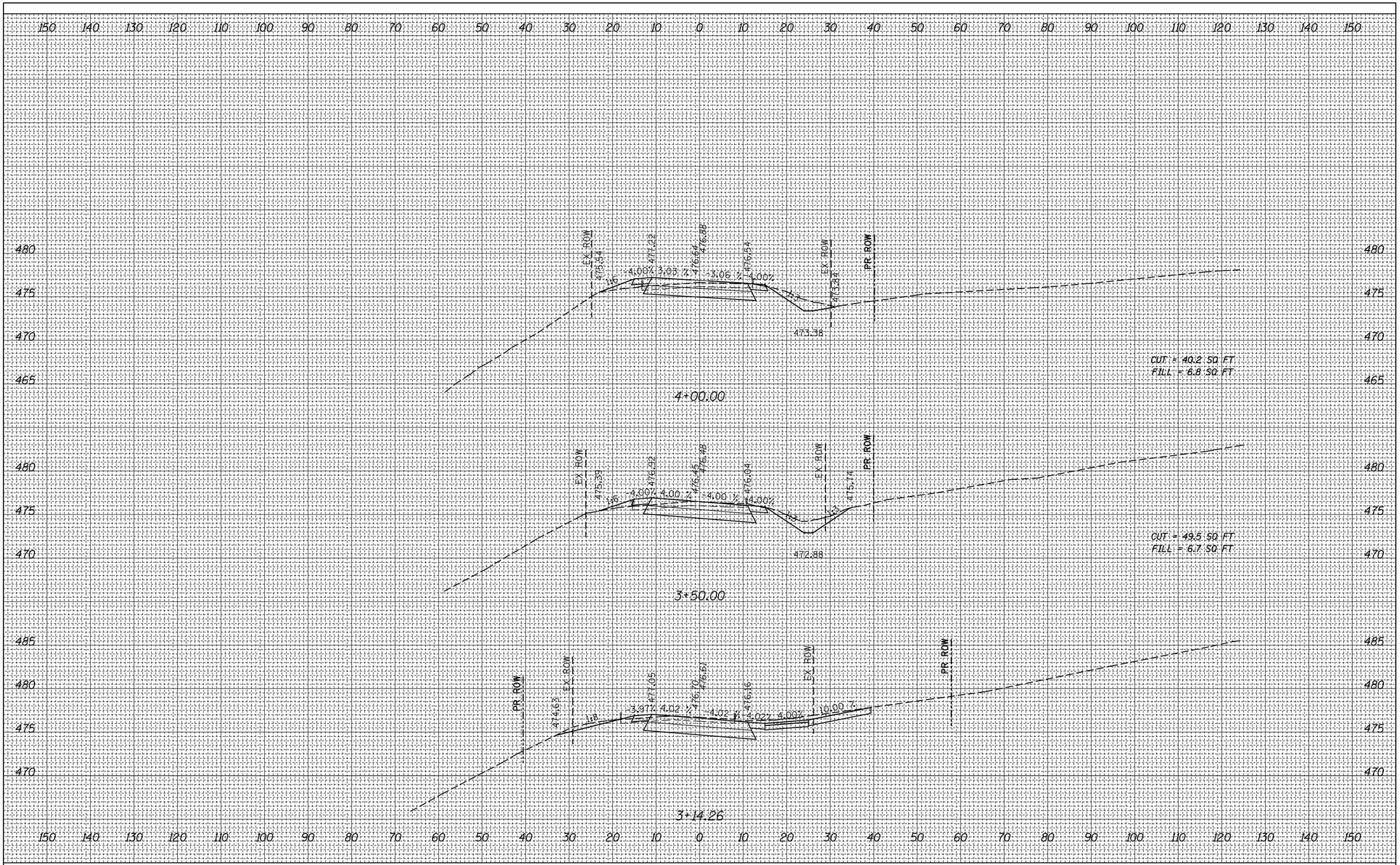
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	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 4 OF 7 SHEETS | STA. 2+50.00 | TO STA. 2+90.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	128
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

NO.	NOTE BOOK	BY	DATE
	AREAS CHECKED		
	ANGLES		
	TEMPLATE		
	PLOTTED		
	SURVEYED		

ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE
	AREAS CHECKED		
	ANGLES		
	TEMPLATE		
	PLOTTED		
	SURVEYED		

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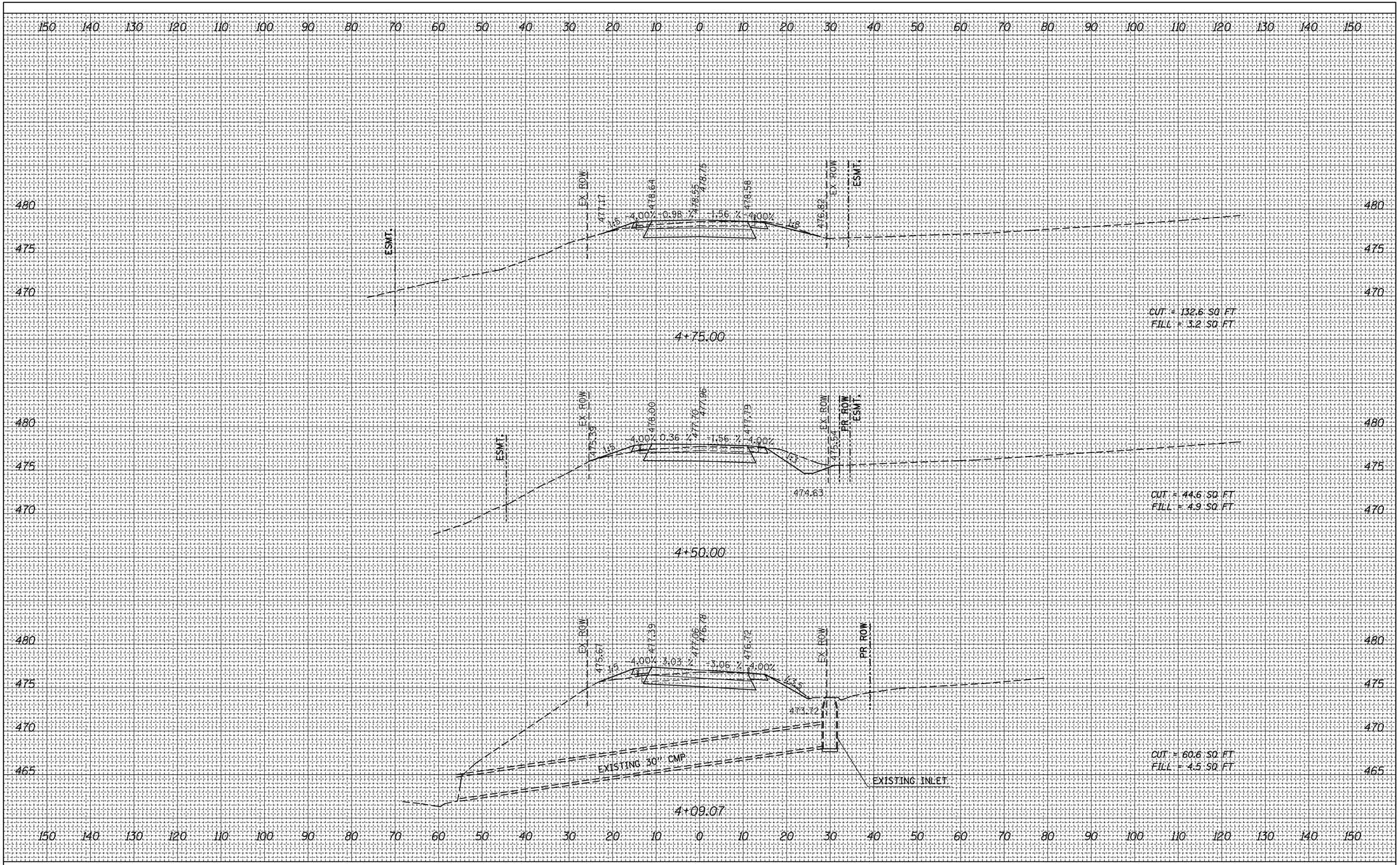
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 5 OF 7 SHEETS | STA. 3+14.26 TO STA. 4+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	129
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

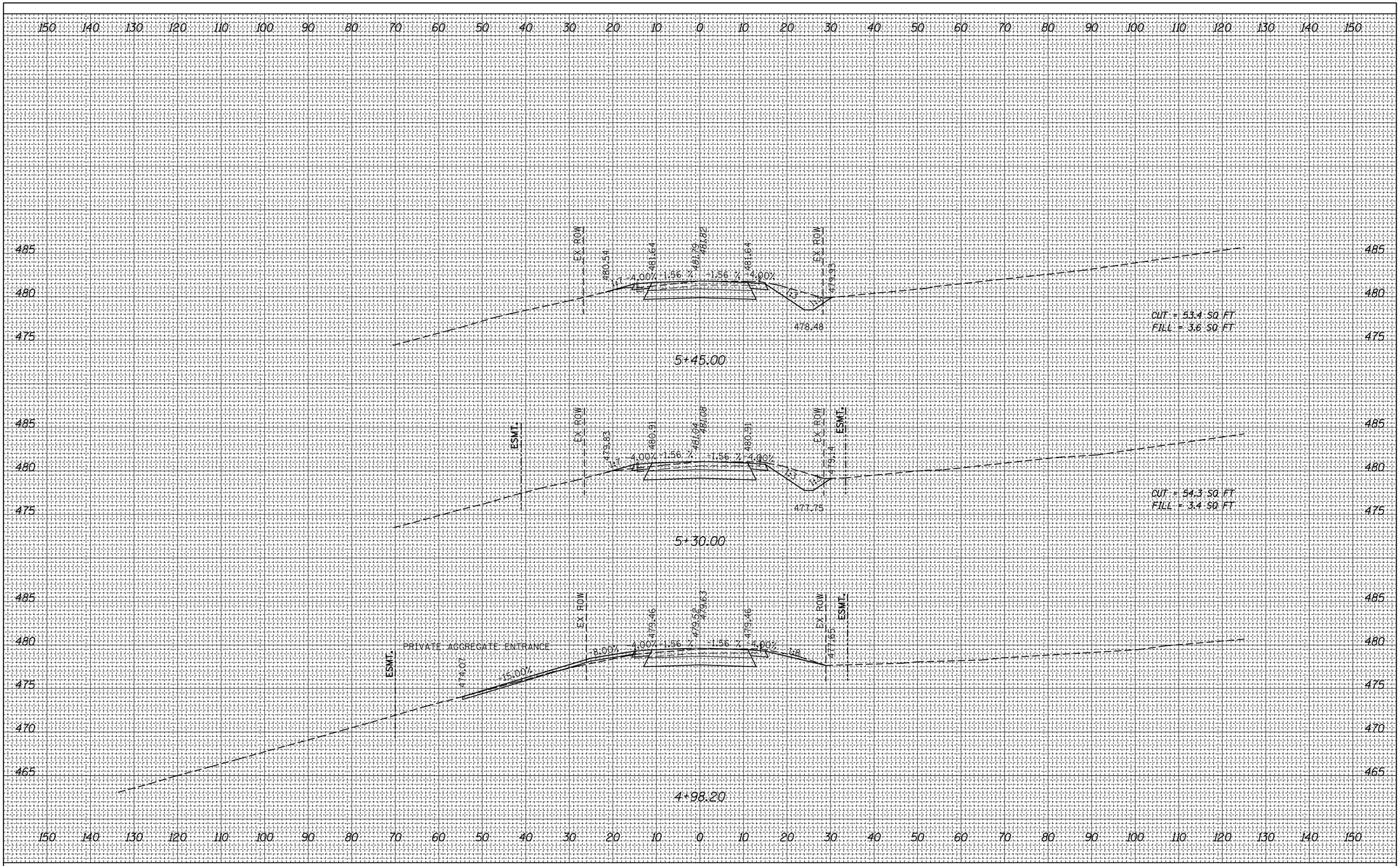
CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 6 OF 7 SHEETS | STA. 4+09.07 | TO STA. 4+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	130
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

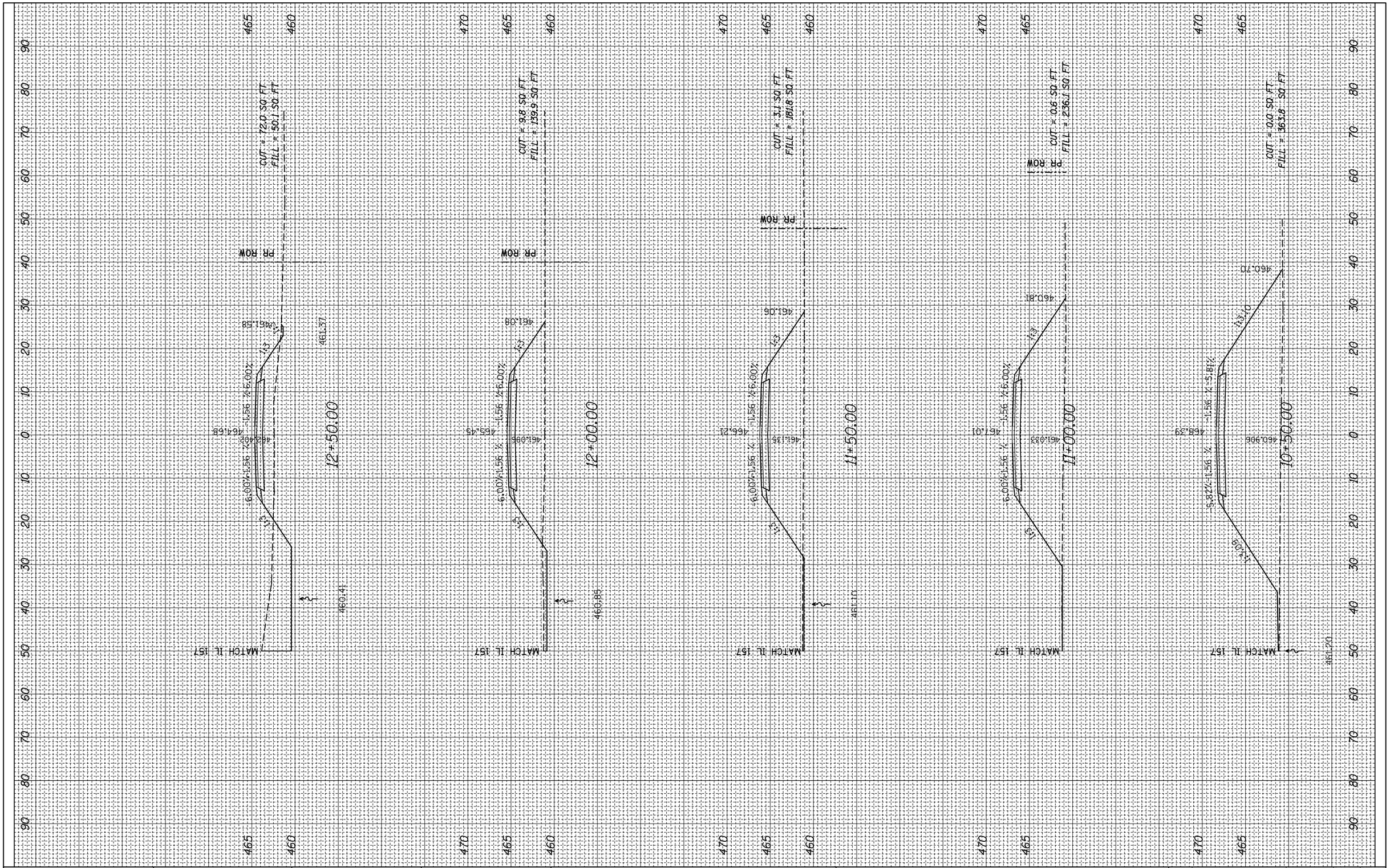
CROSS SECTIONS
OLD CARPENTER ROAD

SCALE: 1" = 10' | SHEET 7 OF 7 SHEETS | STA. 4+98.20 | TO STA. 5+45.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	131
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

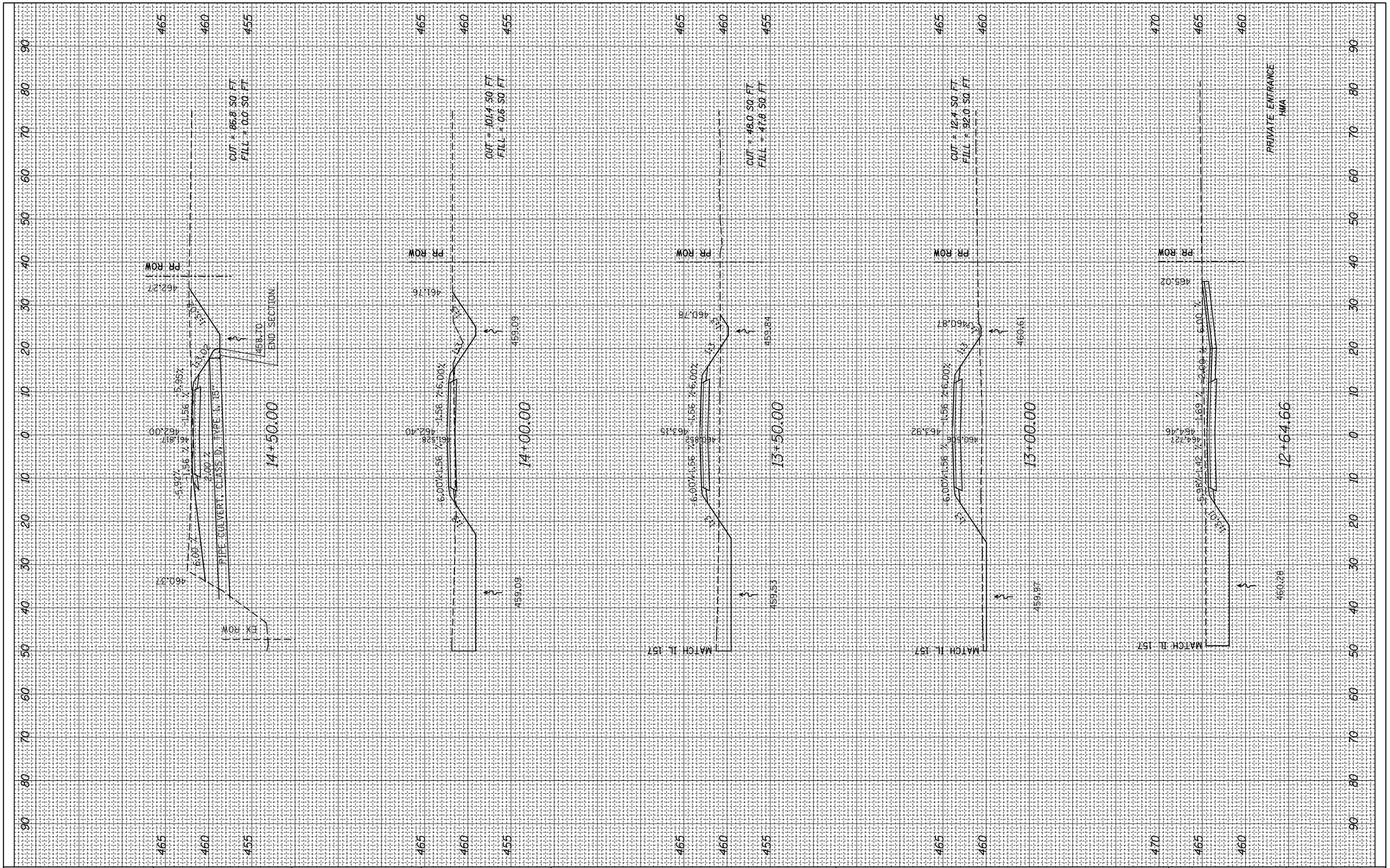
CROSS SECTIONS
SERVICE DRIVE

SCALE: H=10' V=5 | SHEET NO. 1 OF 3 SHEETS | STA. 10+50.00 | TO STA. 12+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	132
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

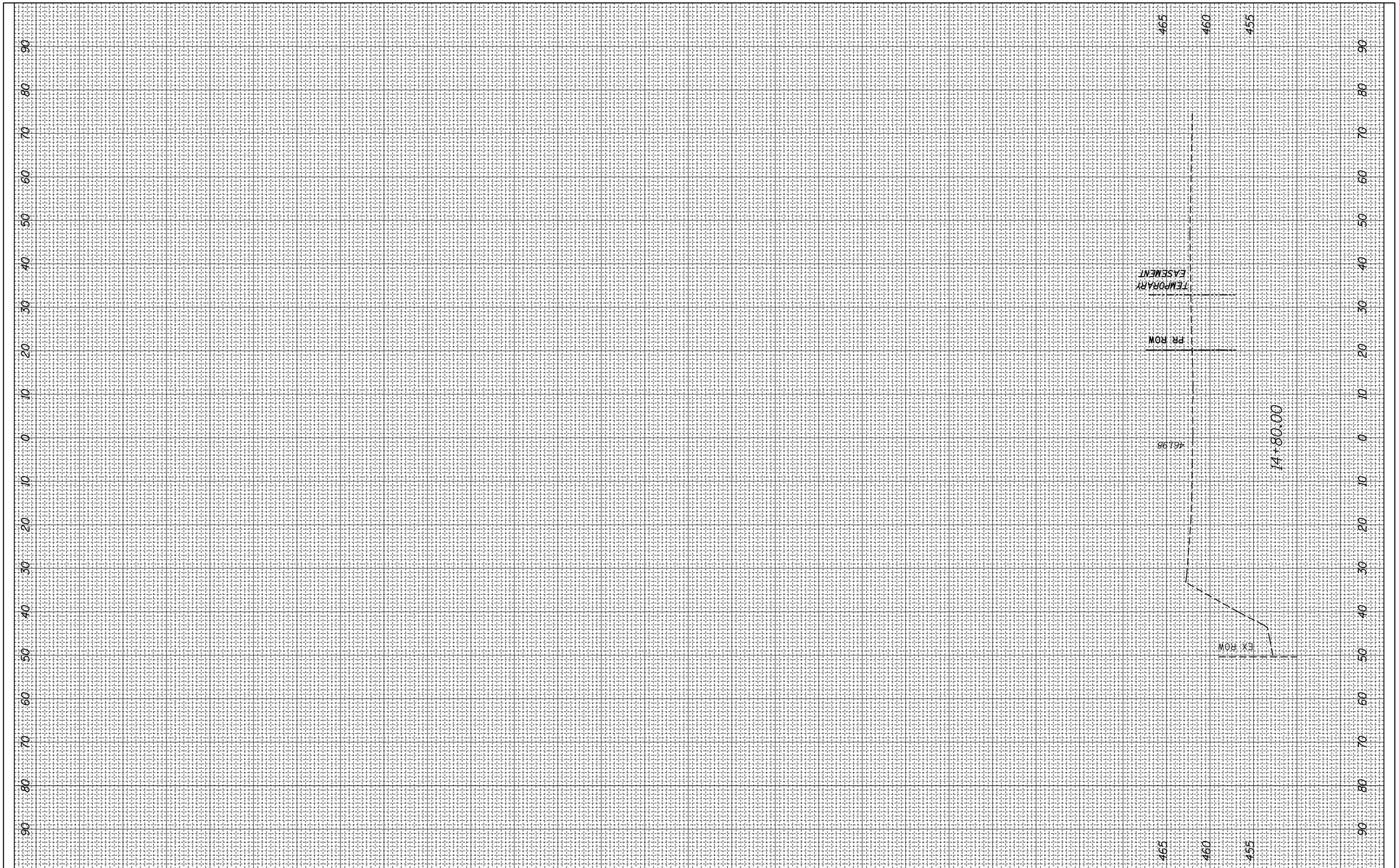
CROSS SECTIONS
SERVICE DRIVE

SCALE: H=10' V=5 | SHEET NO. 2 OF 3 SHEETS | STA. 12+64.66 TO STA. 14+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	133
		CONTRACT NO. 76401		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

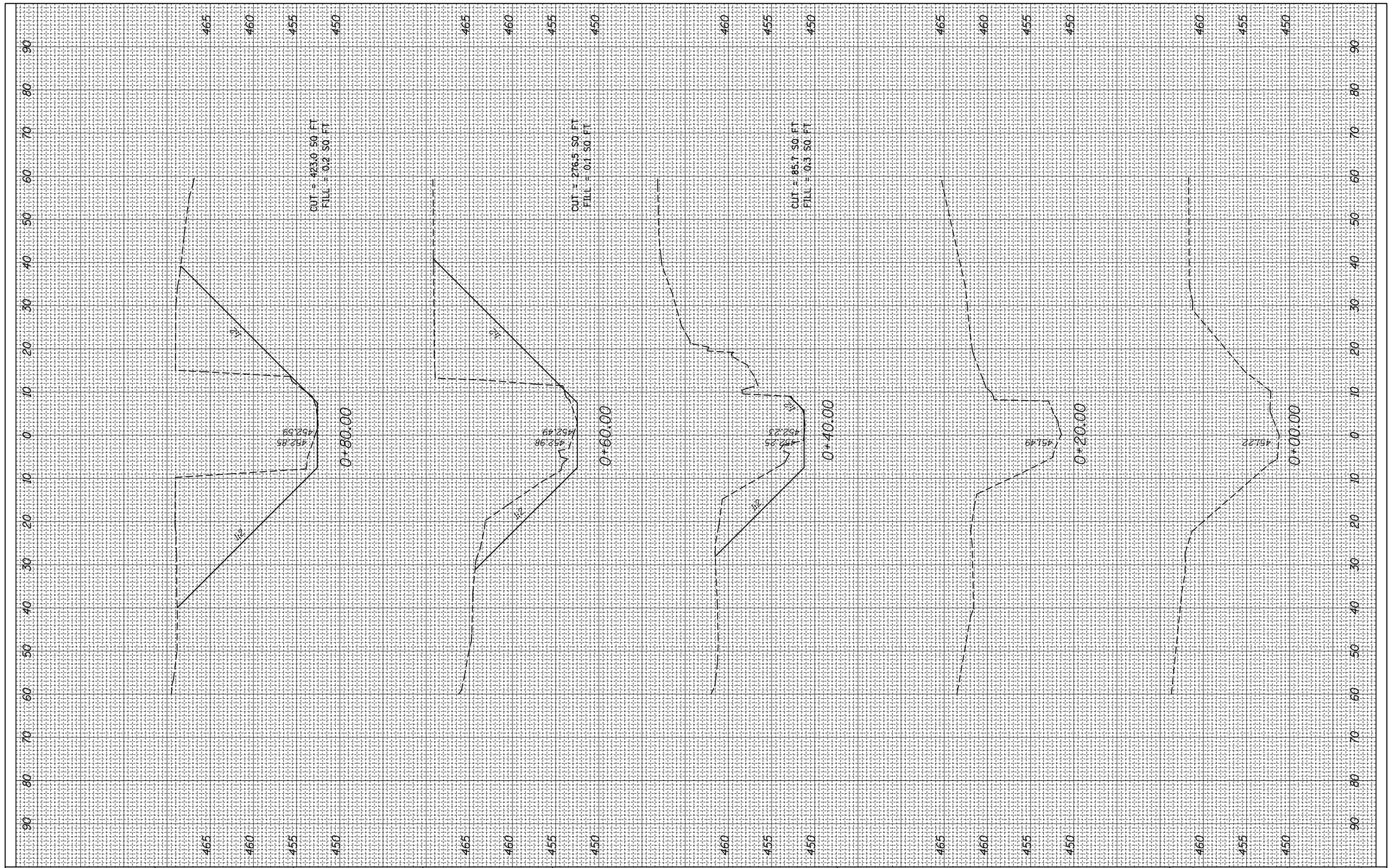
CROSS SECTIONS
SERVICE DRIVE

SCALE: H=10' V=5 | SHEET NO. 3 OF 3 SHEETS | STA. 14+80.00 TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	134
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

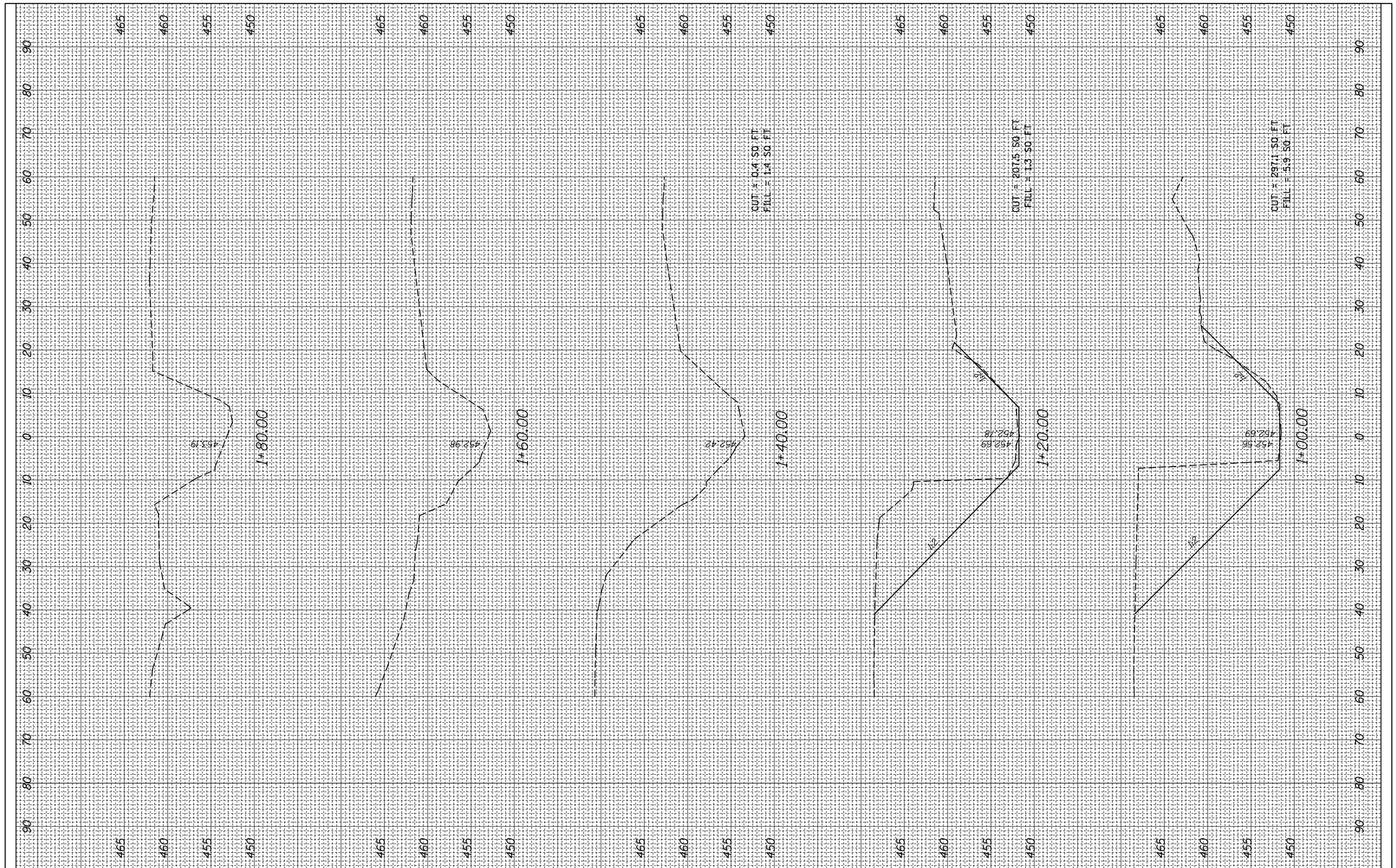
CROSS SECTIONS
CHANNEL

SCALE: H=10' V=5 | SHEET NO. 1 OF 3 SHEETS | STA. 0+00.00 | TO STA. 0+80.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	135
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

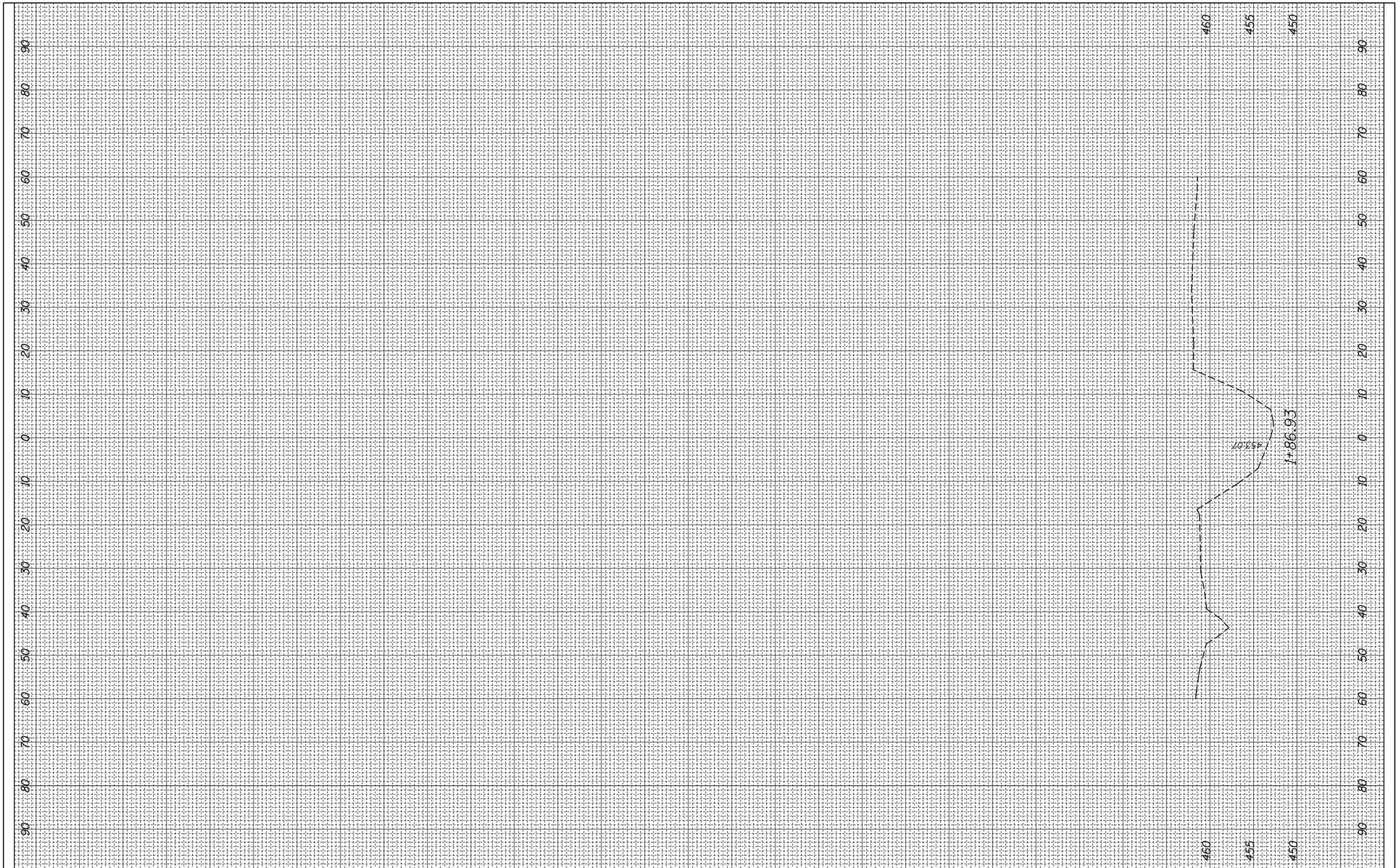
CROSS SECTIONS
CHANNEL

SCALE: H=10' V=5 | SHEET NO. 2 OF 3 SHEETS | STA. 1+00.00 TO STA. 1+80.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	136
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	HEADS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	HEADS		
NO.	AREAS CHECKED		



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	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/8/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CHANNEL

SCALE: H=10' V=5 | SHEET NO. 3 OF 3 SHEETS | STA. 2+40.00 | TO STA. 2+60.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	137
		CONTRACT NO. 76401		
	ILLINOIS	FED. AID PROJECT		