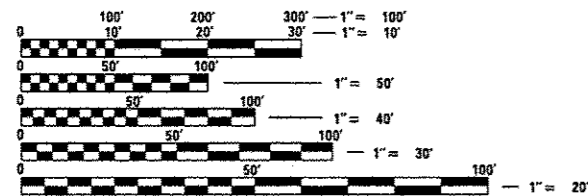


**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

**FAU ROUTE 9319 – HAMACHER STREET**  
**FAU ROUTE 9312 – OSTERHAGE DRIVE**  
**MS 0850 – BRADFORD LANE**  
**SECTION 14-00046-00-RS**  
**PROJECT NO. M-5011 (422)**  
**FEDERAL AID PROJECT**  
**MONROE COUNTY**  
**JOB NO. C-98-340-14**

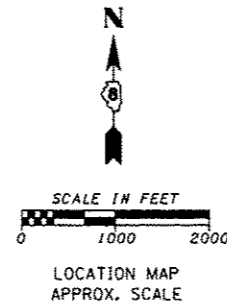
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	1
FEDERAL AID PROJECT		ILLINOIS	CONTRACT NO. 97615	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR HIGHWAY STANDARDS, SEE SHEET NO. 2



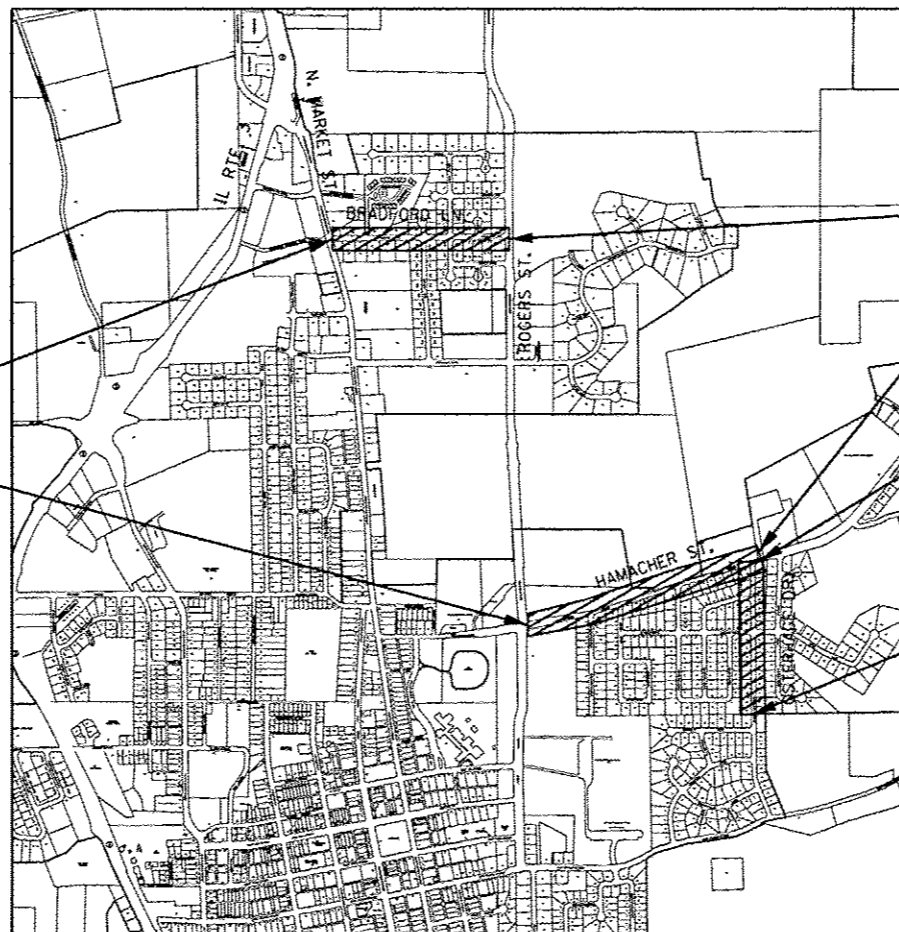
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123 OR 811  
 (DESIGN LOCATE # X1520266)



BEGIN PROJECT  
 STA. 201+47.24

BEGIN PROJECT  
 STA. 15+65.00



CONSTRUCTION LIMITS

END PROJECT  
 STA. 218+78.17

END PROJECT  
 STA. 39+46.42

END PROJECT  
 STA. 117+51.23

BEGIN PROJECT  
 STA. 101+52.37

	HAMACHER	OSTERHAGE	BRADFORD
ROADWAY DESIGN:	MIN. ARTERIAL	MAJ. COLLECT.	MIN. COLLECT.
DESIGN SPEED:	30 MPH	25 MPH	25 MPH
CURRENT ADT (2016):	7,300	1,050	900
DESIGN YEAR ADT (2036):	10,954	2,786	2,194

**LENGTH OF IMPROVEMENTS**

HAMACHER STREET: GROSS LENGTH =	2,381.4 FT. =	0.451 MILE; NET LENGTH =	2,381.4 FT. =	0.451 MILE
OSTERHAGE DRIVE: GROSS LENGTH =	1,598.9 FT. =	0.303 MILE; NET LENGTH =	1,598.9 FT. =	0.303 MILE
BRADFORD LN.: GROSS LENGTH =	1,730.9 FT. =	0.327 MILE; NET LENGTH =	1,730.9 FT. =	0.327 MILE
<b>PROJECT TOTALS:</b>	<b>5,711.2 FT. =</b>	<b>1.08 MILE; NET LENGTH =</b>	<b>5,711.2 FT. =</b>	<b>1.08 MILE</b>

**AGENCY RESPONSIBLE FOR LETTING**

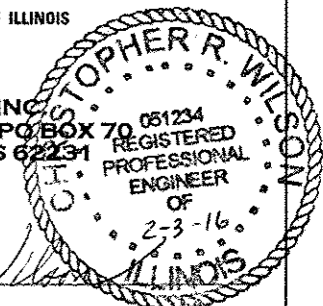
APPROVED: *[Signature]* 2-3-20  
 TOM SMITH, CITY OF WATERLOO, MAYOR

PASSED: *[Signature]* 9/11/16 20  
 DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: *[Signature]* 9/16/16 20  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

**HMG** PREPARED BY:  
**ENGINEERS, INC.**  
 1075 LAKE ROAD, PO BOX 70  
 CARLYLE, ILLINOIS 62231  
 (618) 594-3711



*Christopher R. Wilson*  
 CHRISTOPHER R. WILSON, P.E.  
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, NO. 062-051234  
 REGISTRATION EXPIRES NOVEMBER 30, 2017

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6-7 SCHEDULE OF QUANTITIES
- 8-14 ROADWAY RESURFACING PLAN
- 15-22 STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
- 23-24 INTERSECTION REMOVAL DETAIL
- 25-28 INTERSECTION DETAIL
- 29-35 PAVEMENT MARKING PLAN
- 36-37 CONSTRUCTION DETAILS

**GENERAL NOTES**

1. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM (NAV88).
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. UNDERGROUND UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE RECORDS, AND THEIR TRUE LOCATION IS NOT GUARANTEED TO BE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
4. ALL SAW CUTTING REQUIRED FOR REMOVALS AND MILLING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT OF REMOVAL QUANTITIES. THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, SUCH AS WATER AND STORM SEWERS, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE ENGINEER. SEE ALSO 107.31 OF THE STANDARD SPECIFICATIONS.
5. ANY UNUSED MATERIAL FROM EARTH EXCAVATION AND REMOVALS SHALL BE DISPOSED OF OFF SITE PER THE STANDARD SPECIFICATIONS REGARDING DISPOSAL, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL TRAFFIC CONTROL DEVICES SO THAT THEY DO NOT BECOME A HAZARD TO TRAFFIC.
7. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
8. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
9. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.
10. WHEN NECESSARY, REMOVAL OF SHORT TERM & TEMPORARY PAVEMENT MARKINGS WILL BE PAID FOR AS "WORK ZONE PAVEMENT MARKING REMOVAL (50 FT)".
11. THE CONTRACTOR SHALL MAINTAIN POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
12. 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.
13. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING QUANTITIES.

**APPLICATION RATES**

AGGREGATE MATERIALS	2.05 TONS/CU. YD.
GRANULAR MATERIALS	2.05 TONS/CU. YD.
AGGREGATE (PRIME COAT)	3 LBS./SQ. YD. (AGGREGATE SURFACE)
BITUMINOUS CONCRETE SURFACE & BINDER COURSE	112 LBS./SQ. YD./INCH OR 2.016 TONS/CU. YD.
BITUMINOUS MATERIALS (PRIME COAT)	RESIDUAL ASPHALT RATE = 0.05 LB/SQ FT (MILLED HMA OR MILLED CONCRETE)
	RESIDUAL ASPHALT RATE = 0.025 LB/SQ FT (FOG COAT BETWEEN HMA LIFTS)
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
AGRICULTURAL GROUND LIMESTONE	2 TONS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LBS./ACRE

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-08 PAVEMENT JOINTS
- 424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 442201-03 CLASS C AND D PATCHES
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDING, FOR SPEEDS > 45 MPH
- 701502-06 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

**COMMITMENTS**

NONE

**KNOWN UTILITIES**

CHARTER COMMUNICATIONS GARRY WARREN TELEPHONE: (618) 779-4179	MCI DEAN BOYERS TELEPHONE: (972) 729-6322
HARRISONVILLE TELEPHONE THOMAS SCHRIEBER TELEPHONE: (618) 939-9256	CITY OF WATERLOO TIM BIRK TELEPHONE: (618) 939-8600
MONROE COUNTY ELECTRIC COOP KEITH JONES TELEPHONE: (618) 939-7171	

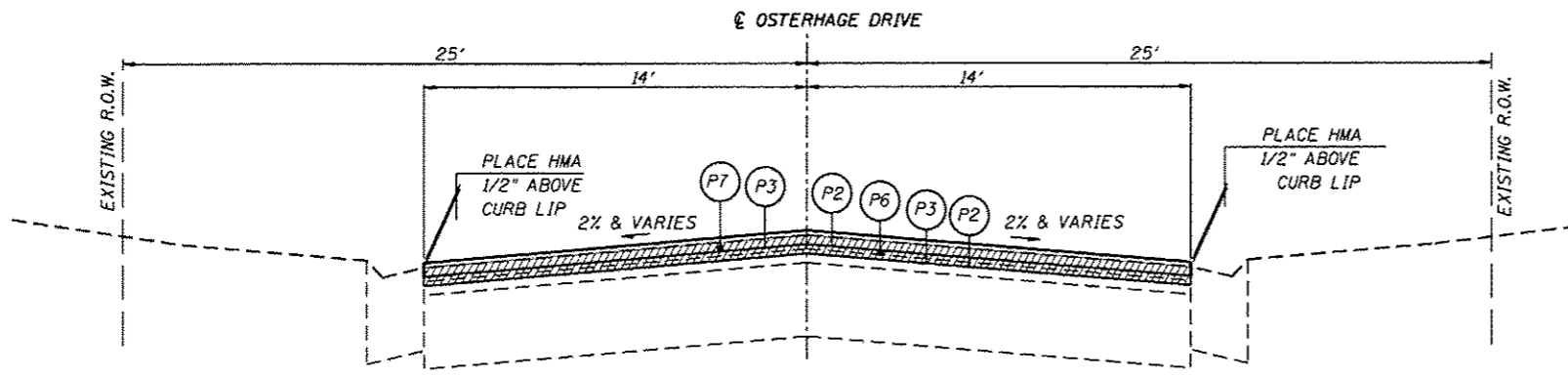
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HMC JOB NO. 7173	GEN NOTES.dgn	DRAWN -	REVISED -			VAR.	14-00046-00-RS	MONROE	37	2
	PLOT SCALE = 10.0033' / in.	CHECKED -	REVISED -					CONTRACT NO. 97615		
	PLOT DATE = 2/1/2016	DATE -	REVISED -			SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

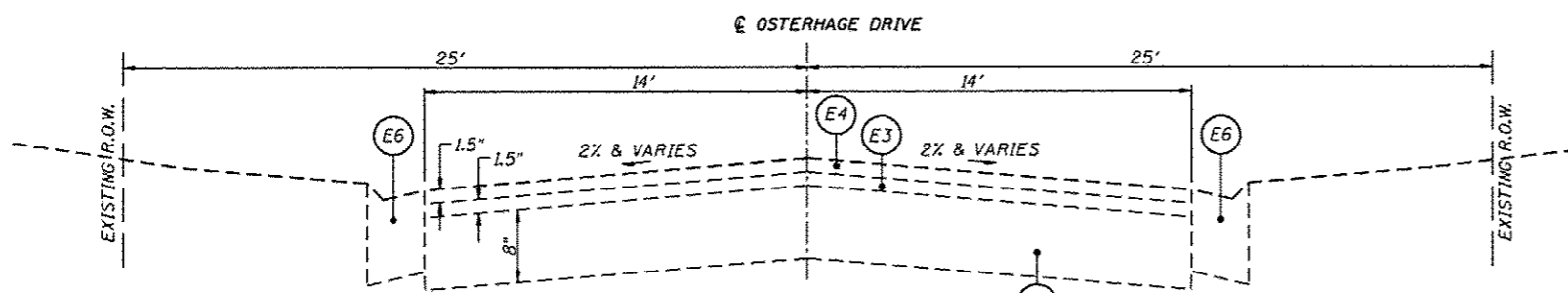
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	20
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	13
25000210	SEEDING, CLASS 2A	ACRE	0.04
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	3
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	3
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.1
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	159
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	59
35100100	AGGREGATE BASE COURSE, TYPE A	TON	159
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	112
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	14083
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	875
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	799
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1012
40600990	TEMPORARY RAMP	SQ YD	1087
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1000
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1004
42001300	PROTECTIVE COAT	SQ YD	244
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	708.5
42400800	DETECTABLE WARNINGS	SQ FT	85.5
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	18630
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	1221
44000500	COMBINATION CURB AND CUTTER REMOVAL	FOOT	286
44000600	SIDEWALK REMOVAL	SQ FT	762
44201337	CLASS C PATCHES, TYPE I, 9 INCH	SQ YD	4
44201341	CLASS C PATCHES, TYPE II, 9 INCH	SQ YD	19
44201345	CLASS C PATCHES, TYPE III, 9 INCH	SQ YD	23
44201347	CLASS C PATCHES, TYPE IV, 9 INCH	SQ YD	648
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4750
60604400	COMBINATION CONCRETE CURB AND CUTTER, TYPE B-6.1B	FOOT	286
67100100	MOBILIZATION	LSUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	650
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	217
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14289
S 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	84
S 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4094
S 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	495
S 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	344
S 78300100	PAVEMENT MARKING REMOVAL	SQ FT	4135
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
X7010226	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL	LSUM	1

\* = SPECIAL PROVISION ITEMS  
S = SPECIALTY ITEMS

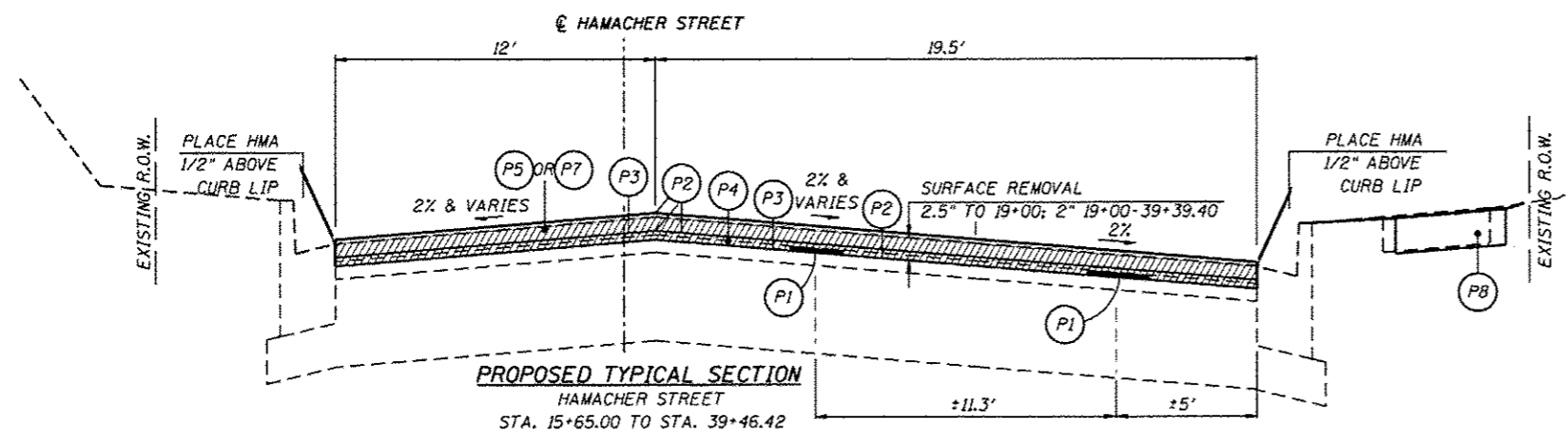
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HMC JOB NO. 7173		CHECKED -	REVISED -		SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 97615			
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



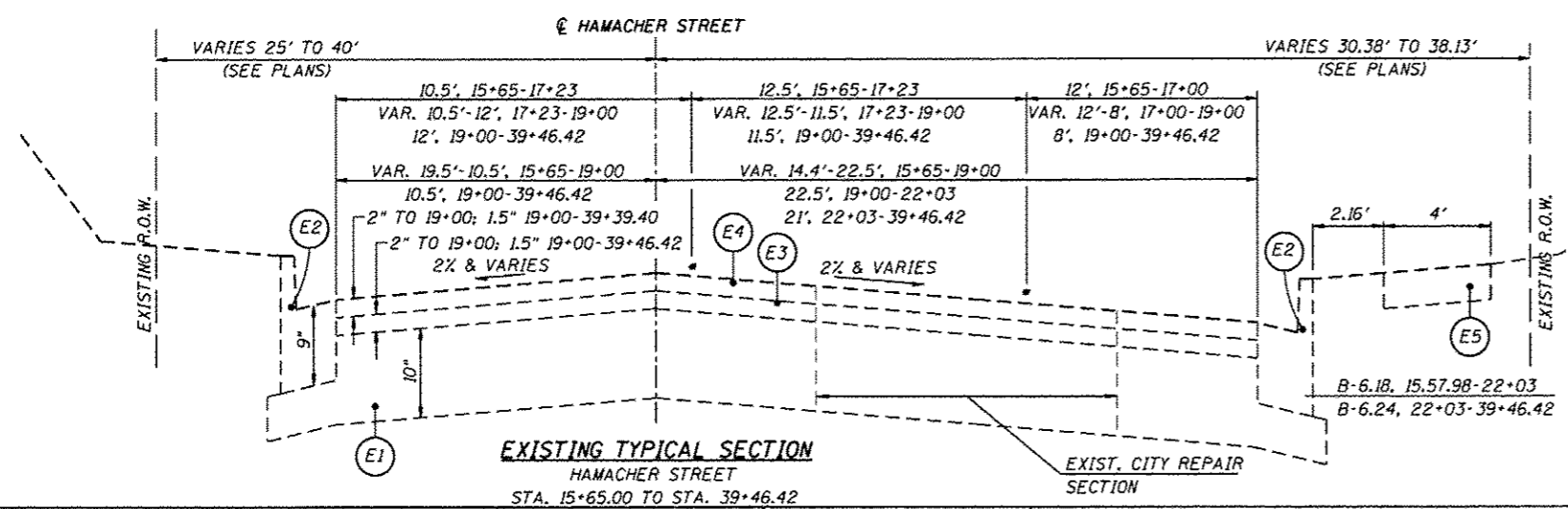
**PROPOSED TYPICAL SECTION**  
OSTERHAGE DRIVE  
STA. 101+52.37 TO STA. 117+51.23



**EXISTING TYPICAL SECTION**  
OSTERHAGE DRIVE  
STA. 101+52.37 TO STA. 117+51.23



**PROPOSED TYPICAL SECTION**  
HAMACHER STREET  
STA. 15+65.00 TO STA. 39+46.42



**EXISTING TYPICAL SECTION**  
HAMACHER STREET  
STA. 15+65.00 TO STA. 39+46.42

- TYPICAL SECTION LEGEND**
- (E1) EXISTING AGGREGATE BASE COURSE, TYPE A
  - (E2) EXISTING COMB. CONC. CURB & GUTTER, TY. B-6.18 OR B-6.24
  - (E3) EXISTING HOT-MIX ASPHALT BINDER COURSE
  - (E4) EXISTING HOT-MIX ASPHALT SURFACE COURSE
  - (E5) EXISTING P.C.C. SIDEWALK, 4"
  - (E6) EXISTING CURB & GUTTER, MUNICIPAL V-TYPE
  - EXISTING MARKED LANE
  - ▨ HOT-MIX ASPHALT SURFACE REMOVAL 2" & 2.5"
  - (P1) STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - (P2) BITUMINOUS MATERIALS (PRIME COAT)
  - (P3) AGGREGATE (PRIME COAT - NOT A PAY ITEM)
  - (P4) LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES
  - (P5) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
  - (P6) LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES
  - (P7) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
  - (P8) P.C.C. SIDEWALK, 5" (SEE INTERSECTION DTL. SHTS.)

**PAVEMENT DESIGN INFORMATION**

ROADWAY:	HAMACHER ST.	OSTERHAGE DR.	BRADFORD LN.
FEATURE:	BIND. & SURF.	BIND. & SURF.	BIND. & SURF.
IDOT BLRM CH. 46 & BDE CH. 53	L.A.F.O. PROCEDURES	L.A.F.O. PROCEDURES	L.A.F.O. PROCEDURES
DESIGN LIFE:	20	20	20
MID. LIFE YR.:	2026	2026	2026
ADT. MID LIFE:	8,942	1,104	1,800
%PV IN DES. LN.:	88	88	88
%SU IN DES. LN.:	7	7	7
%MU IN DES. LN.:	5	5	5
CLASS:	II	III	II
ACTUAL T.F.:	2.436	0.298	0.490
CH. 53-4N:	50	50	50
Ndes USED:	70	50	50
CH. 53-4O:	PG-64-22	PG-64-22	PG-64-22
AC BIND. USED:	PG-64-22	PG-64-22	PG-64-22
CH. 53-4P:	C	C	C
FRICT. AGG. USED:	D	C	C

**MIXTURE COMPOSITION TABLE**

MIXTURE USE:	LEVELING BINDER	SURFACE
APPLICATION:	LEVEL BIND. (MACH. METH.), N70	HMA SURFACE COURSE, MIX "D", N70
AC/PG:	PG 64-22	PG 64-22
RAPZ (MAX.):	SEE SPECIF.	SEE SPECIF.
DESIGN AIR VOIDS:	4.0% AT Ndes 70	4.0% AT Ndes 70
MIXTURE COMPOSITION:	IL-9.5	IL-9.5
FRICTION AGGREGATE:	-	MIXTURE "D"
MIXTURE WEIGHT:	112 LBS./SQ. YD./IN.	112 LBS./SQ. YD./IN.
MIXTURE USE:	LEVELING BINDER	SURFACE
APPLICATION:	LEVEL BIND. (MACH. METH.), N50	HMA SURFACE COURSE, MIX "C", N50
AC/PG:	PG 64-22	PG 64-22
RAPZ (MAX.):	SEE SPECIF.	SEE SPECIF.
DESIGN AIR VOIDS:	4.0% AT Ndes 50	4.0% AT Ndes 50
MIXTURE COMPOSITION:	IL-9.5	IL-9.5
FRICTION AGGREGATE:	-	MIXTURE "C"
MIXTURE WEIGHT:	112 LBS./SQ. YD./IN.	112 LBS./SQ. YD./IN.

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM



SEEDING SCHEDULE

LOCATION	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	TEMPORARY EROSION CONTROL SEEDING	HEAVY DUTY EROSION CONTROL BLANKET
STATION	ACRE	POUND	POUND	POUND	TON	POUND	SQ YD
<b>HAMACHER STREET</b>							
WASHINGTON DR. 21+55.93	0.005	0.5	0.5	0.5	0.010	0.500	25.1
ADAMS DR. 24+77.73	0.006	0.6	0.6	0.6	0.012	0.600	29.7
JEFFERSON DR. 30+96.63	0.015	1.3	1.3	1.3	0.030	1.500	71.7
OSTERHAGE DR. 39+20.56	0.007	0.6	0.6	0.6	0.013	0.700	32.5
<b>SUB-TOTALS:</b>	<b>0.033</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>0.07</b>	<b>3.30</b>	<b>159.0</b>
<b>TOTALS:</b>	<b>0.04</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>0.1</b>	<b>4</b>	<b>159</b>

PATCHING SCHEDULE

LOCATION (APPROXIMATE STATIONS)	L	W	AREA	AGGREGATE BASE COURSE, TYPE A	TEMPORARY RAMP	CLASS C PATCHES				
						TYPE I, 9 INCH	TYPE II, 9 INCH	TYPE III, 9 INCH	TYPE IV, 9 INCH	
	FT.	FT.	SO. YD.	TON	SO YD	SO. YD.	SO. YD.	SO. YD.	SO. YD.	
<b>HAMACHER STREET (SIDEStreETS)</b>										
WASHINGTON DR. 21+04.97 TO 21+83.14 RT.	VAR.	VAR.	61.6	14.1	37.5	-	-	-	61.6	
ADAMS DR. 24+26.69 TO 25+07.25 RT.	VAR.	VAR.	67.1	15.3	40.7	-	-	-	67.2	
JEFFERSON DR. 30+47.60 TO 31+31.66 RT.	VAR.	VAR.	60.9	13.9	43.2	-	-	-	61.0	
OSTERHAGE DR. 38+77.94 TO 39+46.43 RT.	VAR.	VAR.	54.8	12.5	32.6	-	-	-	54.8	
<b>OSTERHAGE DRIVE</b>										
102+12.00 TO 102+37.00 LT.	25.0	13.0	36.1	8.3	-	-	-	-	36.2	
103+93.77 TO 104+05.68 LT.	11.9	7.0	9.3	2.2	-	9.3	-	-	-	
103+93.77 TO 104+05.68 RT.	11.9	7.0	9.3	2.2	-	9.3	-	-	-	
110+66.32 TO 110+84.70 LT.	18.4	13.0	22.7	5.2	-	-	22.7	-	-	
116+06.21 TO 116+11.21 RT.	5.0	7.0	3.9	0.9	3.9	-	-	-	-	
<b>BRADFORD LANE</b>										
203+98.00 TO 205+08.00 RT.	110.0	15.0	183.3	41.8	23.3	-	-	-	183.4	
203+98.00 TO 205+08.00 LT.	110.0	15.0	183.3	41.8	23.3	-	-	-	183.4	
<b>SUB-TOTALS:</b>			<b>692.3</b>	<b>158.2</b>	<b>200.6</b>	<b>3.9</b>	<b>18.6</b>	<b>22.7</b>	<b>647.6</b>	
<b>TOTALS:</b>			<b>693</b>	<b>159</b>	<b>201</b>	<b>4</b>	<b>19</b>	<b>23</b>	<b>648</b>	

WORK ZONE PAVEMENT MARKING SCHEDULE

LOCATION	STATION	FT.	SHORT TERM PAVEMENT MARKING FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT	TEMPORARY PAVEMENT MARKING - LINE 4" FOOT	PAVMENT MARKING REMOVAL SQ FT
<b>HAMACHER STREET</b>						
ROGERS ST. TO E. OF OSTERHAGE DR.	15+65.00 TO 39+46.42 A.R.	2,381.4	649.5	216.5	14288.4	4351.3
<b>OSTERHAGE DRIVE</b>						
N. OF BRIARCLIFF DR. TO HAMACHER ST.	101+52.37 TO 117+51.23 A.R.	1,598.9	-	-	-	-
<b>BRADFORD LANE</b>						
MARKET ST. TO ROGERS ST.	201+47.24 TO 218+78.17 A.R.	1,730.9	-	-	-	-
<b>SUB-TOTALS:</b>			<b>649.5</b>	<b>216.5</b>	<b>14,288.4</b>	<b>4,351.3</b>
<b>TOTALS:</b>			<b>650</b>	<b>217</b>	<b>14,289</b>	<b>4,352</b>

PAVEMENT MARKING SCHEDULE

LOCATION	STATION	FT.	MODIFIED URETHANE PAVEMENT MARKING					SYMBOLS WHITE SO FT
			4" SOLID WHITE	4" DUAL YELLOW	4" DASH YELLOW	6" SOLID WHITE	12" SOLID WHITE	
		FOOT	FOOT	FOOT	FOOT	FOOT		
<b>HAMACHER STREET</b>								
ROGERS ST. TO WASHINGTON DR.	15+65.00 TO 21+55.93 A.R.	590.9	906.6	1165.6	-	-	31.0	83.2
WASHINGTON DR. 21+04.97 TO 21+83.14 RT.		78.2	-	-	89.0	16.5	-	-
WASHINGTON DR. TO ADAMS DR.	21+55.93 TO 24+77.73 A.R.	321.8	225.3	44.1	69.5	-	-	-
ADAMS DR. 24+26.69 TO 25+07.25 RT.		80.6	-	-	99.3	19.1	-	-
ADAMS DR. TO JEFFERSON DR.	24+77.73 TO 30+96.63 A.R.	618.9	510.4	-	154.8	-	-	-
JEFFERSON DR. 30+47.60 TO 31+31.66 RT.		84.1	-	-	80.6	14.2	-	-
JEFFERSON DR. TO OSTERHAGE DR.	30+96.63 TO 39+20.56 A.R.	823.9	785.3	-	206.0	-	-	-
OSTERHAGE DR. 38+77.94 TO 39+46.43 RT.		-	-	-	-	-	-	-
OSTERHAGE DR. TO END	39+20.56 TO 39+46.42 A.R.	25.9	25.6	-	-	-	-	-
<b>OSTERHAGE DRIVE</b>								
N. OF BRIARCLIFF DR. TO HAMACHER ST.	101+52.37 TO 117+51.23 A.R.	1,598.9	-	-	-	79.8	88.9	-
<b>BRADFORD LANE</b>								
MARKET ST. TO ROGERS ST.	201+47.24 TO 218+78.17 A.R.	1,730.9	-	-	-	146.0	173.6	-
<b>SUB-TOTALS:</b>			<b>2,453.2</b>	<b>1,209.7</b>	<b>430.3</b>	<b>494.7</b>	<b>343.3</b>	<b>83.2</b>
<b>TOTALS:</b>				<b>4,094</b>		<b>495</b>	<b>344</b>	<b>84</b>

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PAVING SCHEDULE

LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL			BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)*		TEMPORARY RAMP	STRIP REFLECTIVE CRACK CONTROL TREATMENT	LEVELING BINDER, (MACHINE METHOD), N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	LEVELING BINDER, (MACHINE METHOD), N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70		
	2"	2-1/2"	BUTT JOINT	APPL. 1	APPL. 2	APPL. 1	APPL. 2								
	FT.	SQ. YD.	SO. YD.	SO. YD.	POUND	POUND	TON	TON	SO YD	FOOT	TON	TON	TON		
<b>HAMACHER STREET</b>															
ROGERS ST. TO WASHINGTON DR.	15+65.00 TO 21+44.98	A.R.	580.0	928.0	1,221.0	78.0	1,002.2	501.1	3.3	3.3	49.5	1,160.0	-	198.5	249.4
WASHINGTON DR.	21+13.33 TO 21+76.63	RT.	63.3	-	-	37.4	16.8	8.4	0.1	0.1	76.3	-	-	3.3	4.2
WASHINGTON DR. TO ADAMS DR.	21+44.98 TO 24+67.16	A.R.	322.2	1194.5	-	-	537.5	268.8	1.8	1.8	-	644.4	-	106.5	133.8
ADAMS DR.	24+48.16 TO 24+86.16	RT.	38.0	-	-	85.8	38.6	19.3	0.1	0.1	126.7	-	-	7.6	9.6
ADAMS DR. TO JEFFERSON DR.	24+67.16 TO 30+83.82	A.R.	616.7	2200.8	-	-	990.4	495.2	3.3	3.3	-	1,233.4	-	196.2	246.5
JEFFERSON DR.	30+69.82 TO 30+97.82	RT.	28.0	38.4	-	94.1	59.6	29.8	0.2	0.2	101.4	-	-	11.8	14.8
JEFFERSON DR. TO OSTERHAGE DR.	30+83.82 TO 39+07.49	A.R.	823.7	2923.4	-	-	1,315.5	657.8	4.4	4.4	-	1,647.4	-	260.6	327.4
OSTERHAGE DR.	(SEE OSTERHAGE DR.)		-	-	-	-	-	-	-	-	-	-	-	-	-
OSTERHAGE DR. TO END	39+07.49 TO 39+39.49	A.R.	32.0	102.5	-	55.7	71.2	35.6	0.2	0.2	26.6	64.0	-	14.1	17.7
<b>OSTERHAGE DRIVE</b>															
N. OF BRIARCLIFF DR. TO MADISON DR.	101+52.37 TO 110+37.67	A.R.	885.3	2,612.1	-	129.0	1,233.5	616.7	4.1	4.1	65.4	-	230.2	230.3	-
MADISON DR.	110+23.56 TO 110+51.66	LT.	28.1	-	-	30.9	13.9	7.0	0.0	0.0	21.8	-	2.6	2.6	-
MADISON DR.	110+23.90 TO 110+51.56	RT.	27.7	-	-	30.6	13.8	6.9	0.0	0.0	21.8	-	2.6	2.6	-
MADISON DR. TO ROOSEVELT DR.	110+37.67 TO 113+97.39	A.R.	359.7	1,070.2	-	88.9	521.6	260.8	1.7	1.7	43.6	-	97.3	97.4	-
ROOSEVELT DR.	113+68.98 TO 114+27.32	LT.	58.3	61.7	-	30.9	41.7	20.8	0.1	0.1	21.8	-	7.8	7.8	-
ROOSEVELT DR. TO HAMACHER ST.	113+97.39 TO 117+51.23	A.R.	353.8	1,027.0	-	43.0	481.5	240.8	1.6	1.6	56.8	-	89.9	89.9	-
<b>BRADFORD LANE</b>															
E. OF N. MARKET ST. TO C.E.	201+49.47 TO 203+83.00	A.R.	233.5	768.7	-	47.2	367.2	183.6	1.2	1.2	23.3	-	53.5	68.5	-
C.E.	203+53.53 TO 204+15.15	LT.	61.6	-	-	33.6	15.1	7.6	0.1	0.1	20.2	-	2.2	2.8	-
C.E. TO MARNEY LN.	203+83.00 TO 209+88.90	A.R.	605.9	2,030.9	-	-	913.9	457.0	3.0	3.0	-	-	133.1	170.6	-
MARNEY LN.	209+37.90 TO 210+39.90	LT.	102.0	143.5	-	34.7	80.2	40.1	0.3	0.3	23.3	-	11.7	15.0	-
MARNEY LN.	209+37.90 TO 210+39.90	RT.	102.0	144.0	-	34.7	80.4	40.2	0.3	0.3	23.3	-	11.7	15.0	-
MARNEY LN. TO MAHALA DR.	209+88.90 TO 212+69.31	A.R.	280.4	934.7	-	-	420.6	210.3	1.4	1.4	-	-	61.3	78.5	-
MAHALA DR.	212+19.31 TO 213+19.64	LT.	100.3	143.2	-	36.4	80.8	40.4	0.3	0.3	24.9	-	11.8	15.1	-
MAHALA DR.	212+19.31 TO 213+19.64	RT.	100.3	143.3	-	36.4	80.9	40.4	0.3	0.3	24.9	-	11.8	15.1	-
MAHALA DR. TO GLEN CT.	212+69.31 TO 215+58.31	A.R.	289.0	962.9	-	-	433.3	216.7	1.4	1.4	-	-	63.1	80.9	-
GLEN CT.	215+09.31 TO 216+07.31	LT.	98.0	138.2	-	34.1	77.5	38.8	0.3	0.3	23.3	-	11.3	14.5	-
GLEN CT. TO ROGERS ST.	215+58.31 TO 218+78.37	A.R.	320.1	1,061.3	-	50.6	500.4	250.2	1.7	1.7	110.9	-	72.9	93.4	-
SUB-TOTALS:			18,629.3	1,221.0	1,012.0	9,388.1	4,694.3	31.2	31.2	885.8	4,749.2	874.8	1,000.0	798.6	1,003.4
TOTALS:			18,630	1,221	1,012	14,083		63		886	4,750	875	1,000	799	1,004

\*SHOWN AS CONTRACTOR INFORMATION ONLY. NOT A PAY ITEM

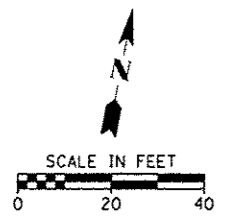
SIDEWALK & CURBING SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	PROTECTIVE COAT	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	AGGREGATE BASE COURSE, TYPE A 4"	
STATION	SO FT	SO FT	FOOT	SO FT	FOOT	SO YD	CU YD	CU YD	SO YD	
<b>HAMACHER STREET</b>										
WASHINGTON DR.	21+55.93	178.3	30.3	61.7	195.2	61.7	61.0	3.8	2.7	24.0
ADAMS DR.	24+77.73	181.5	18.0	65.8	192.4	65.8	60.1	4.2	2.9	25.6
JEFFERSON DR.	30+96.63	181.4	17.5	95.6	202.6	95.6	64.4	7.7	4.2	37.2
OSTERHAGE DR.	39+20.56	167.2	19.4	62.9	171.6	62.9	58.2	4.2	2.8	24.5
SUB-TOTALS:		708.4	85.2	286.0	761.8	286.0	243.7	19.9	12.6	111.3
TOTALS:		708.5	85.5	286	762	286.0	244	20	13	112

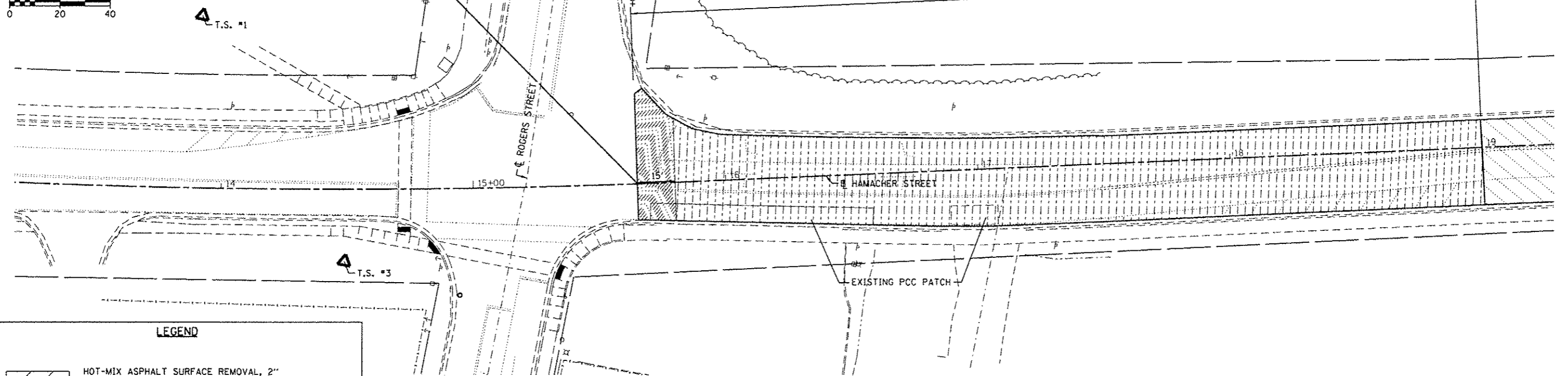
FILE NAME = H:\7173\10051PFY2816\CADD\Sheet\7173-SH-SCHEDULE.dgn	USER NAME = pmeador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.U. R.T.E. VAR.	SECTION 14-00046-00-R5	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 7			
HMG JOB NO. 7173	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -					SCALE: N.T.S.	SHEET 2 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 97615				
	PLOT DATE = 2/1/2016	DATE -	REVISED -					ILLINOIS FED. AID PROJECT							

CROWN OF PAVEMENT = BASELINE AS CONSTRUCTED BY MONROE CO. HWY. DEPT. IN 1993.  
 LEFT OF  $\square$ , WIDTH VARIES FROM 19.5' (15+65) TO 10.5' (19+00)  
 RIGHT OF  $\square$ , WIDTH VARIES FROM 14.4' (15+65) TO 22.5' (19+00)

LEFT OF  $\square$ , WIDTH REMAINS AT 10.5' (19+00)  
 RIGHT OF  $\square$ , WIDTH REMAINS AT 22.5' (19+00-22+03),  
 THEN REMAINS AT 21' (22+03-39+46.42)



BEGIN PROJECT  
 STA. 15+65.00

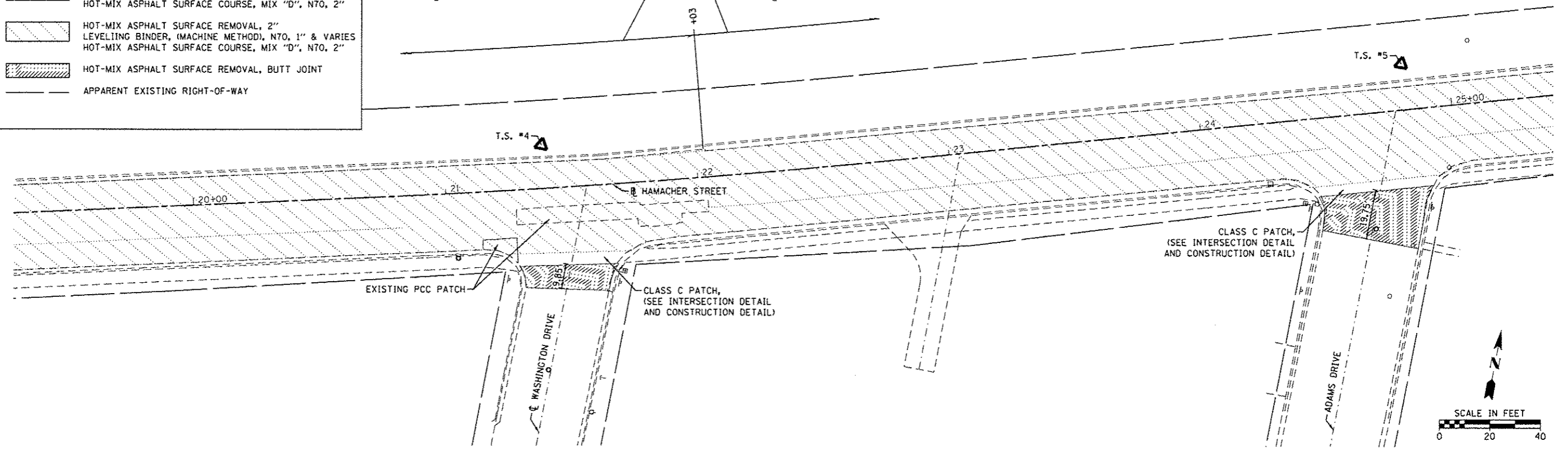


**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- APPARENT EXISTING RIGHT-OF-WAY

LEFT OF  $\square$ , WIDTH = 10.5' (19+00-22+03)  
 RIGHT OF  $\square$ , WIDTH = 22.5' (19+00-22+03)

LEFT OF  $\square$ , WIDTH = 10.5' (22+03-39+46.42)  
 RIGHT OF  $\square$ , WIDTH = 21' (22+03-39+46.42)



FILE NAME = 7173-SHT-PLAN-HAM.1	USER NAME = pmaador	DESIGNED -	REVISED -
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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

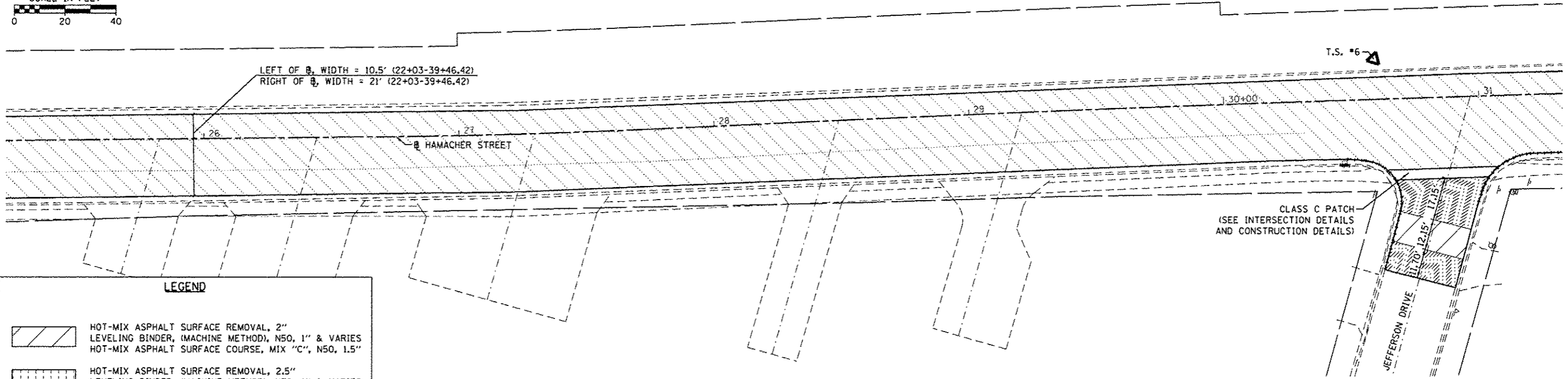
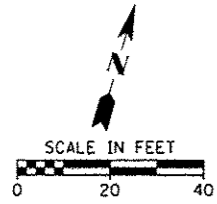
**ROADWAY RESURFACING PLAN  
 HAMACHER STREET**

SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	8
CONTRACT NO. 97615			ILLINOIS FED. AID PROJECT	

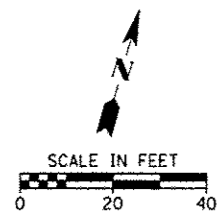
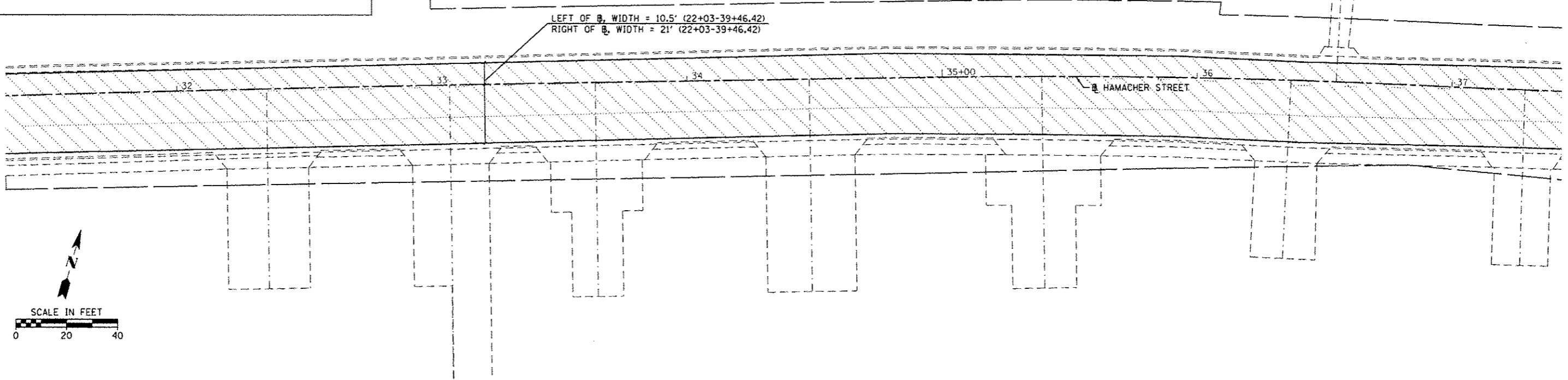
HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM





**LEGEND**

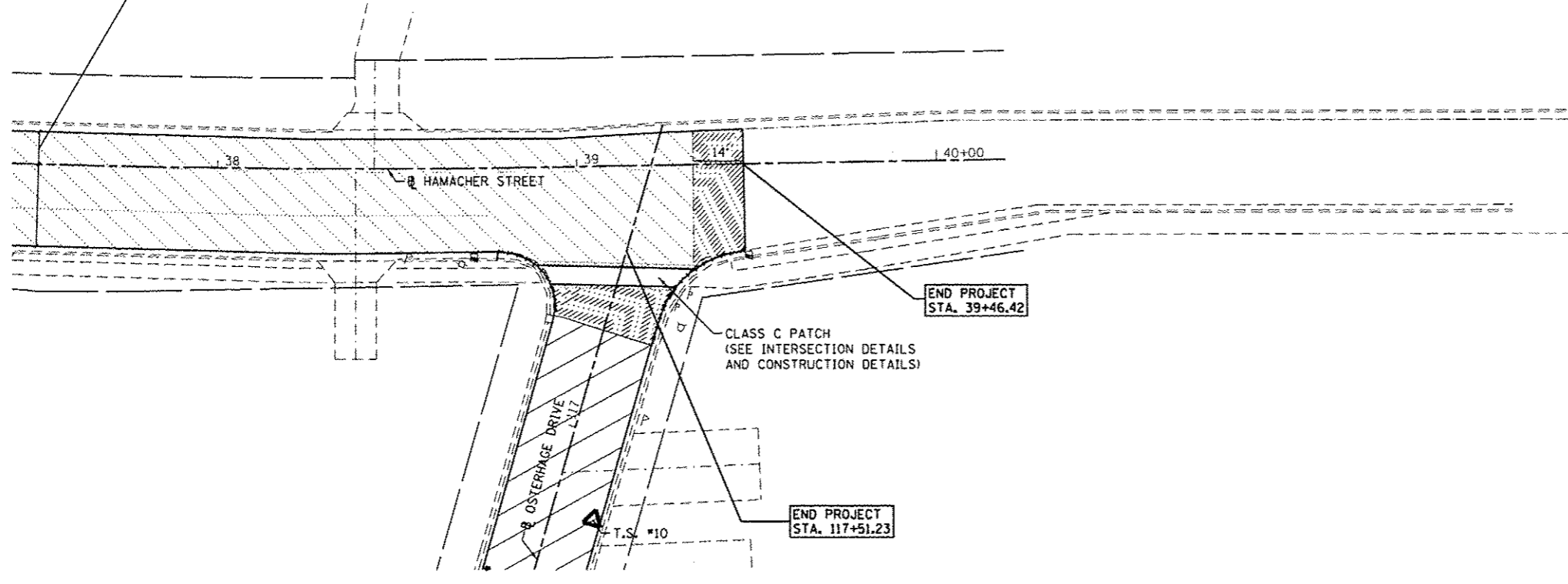
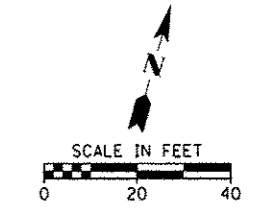
	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
	HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	APPARENT EXISTING RIGHT-OF-WAY



FILE NAME - 7173-SHT_PLAN_HAM_2	USER NAME - pmaador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY RESURFACING PLAN HAMACHER STREET</b>	F.A.U. RTE. VAR.	SECTION 14-00046-00-R5	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 9
Default	PLAN_HAM_2.dgn	DRAWN -	REVISED -	SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 97615		
	PLOT SCALE - 28.0000 / in.	CHECKED -	REVISED -							
	PLOT DATE - 2/1/2016	DATE -	REVISED -							

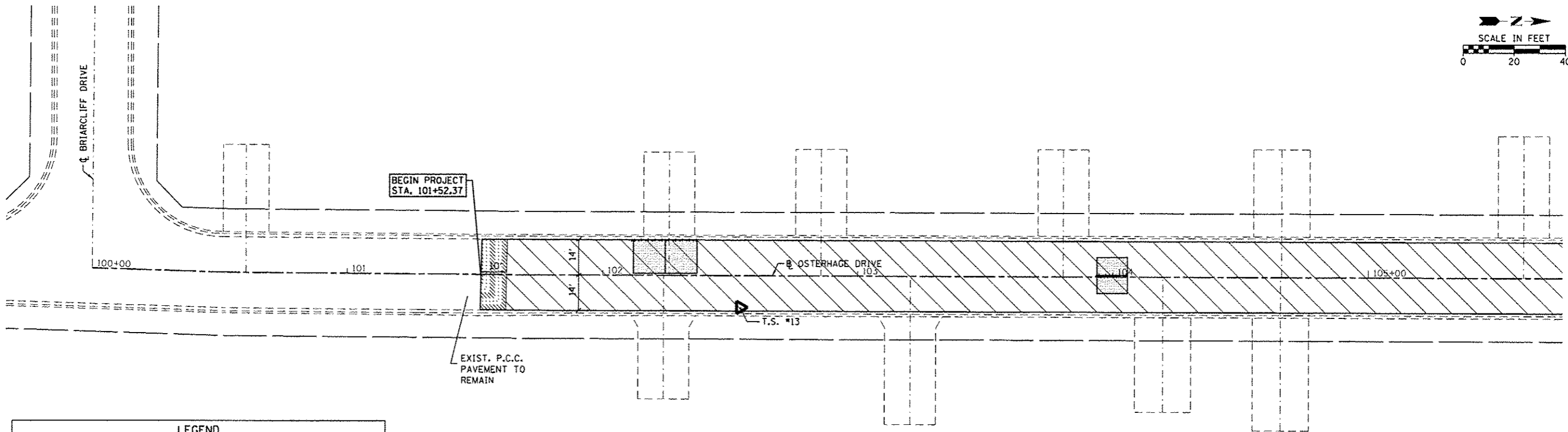
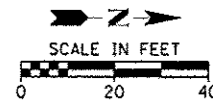
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LEFT OF R, WIDTH = 10.5' (22+03-39+46.42)  
 RIGHT OF R, WIDTH = 21' (22+03-39+46.42)



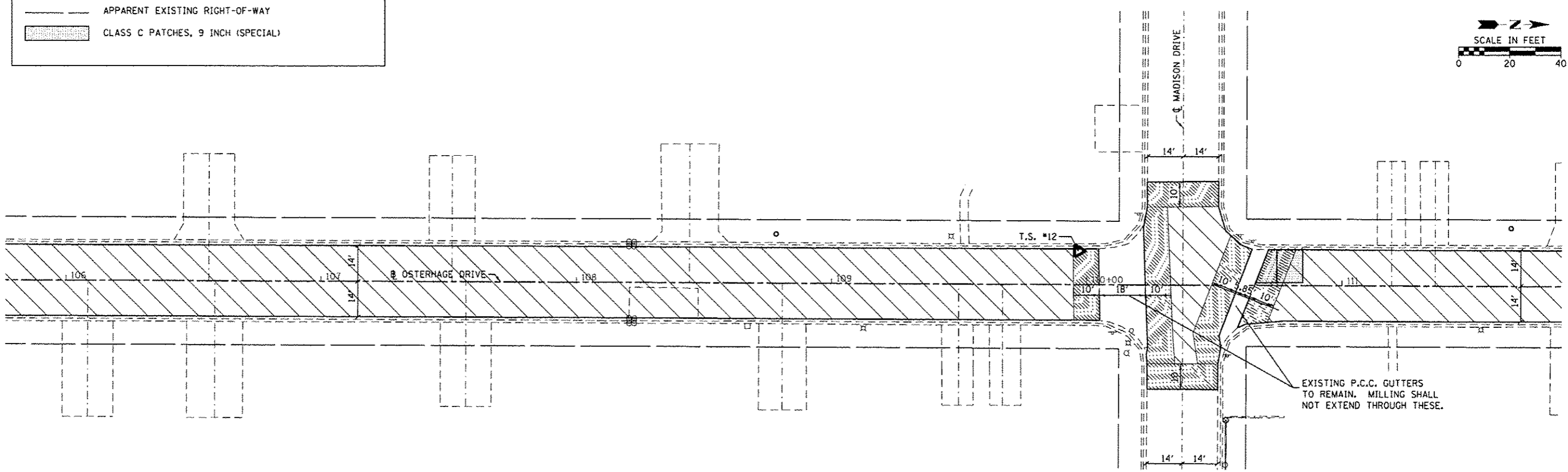
LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
	HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	APPARENT EXISTING RIGHT-OF-WAY

FILE NAME = 7173-SHT_PLAN_HAM.3	USER NAME = pmeador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY RESURFACING PLAN HAMACHER STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
H:\7173\100\STPEY2016\CAD\05\shets\7173-SHT	PLAN_HAM_3.dgn	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET 3	OF 7 SHEETS	STA.	TO STA.	14-00046-00-RS	MONROE	37	10
	PLOT SCALE = 20.8888 1/ in.	CHECKED -	REVISED -		CONTRACT NO. 97615								
	PLOT DATE = 2/1/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
Default													



**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	APPARENT EXISTING RIGHT-OF-WAY
	CLASS C PATCHES, 9 INCH (SPECIAL)



FILE NAME = 7173-SHT_Plan_GST_1	USER NAME = gmaedgar	DESIGNED -	REVISED -
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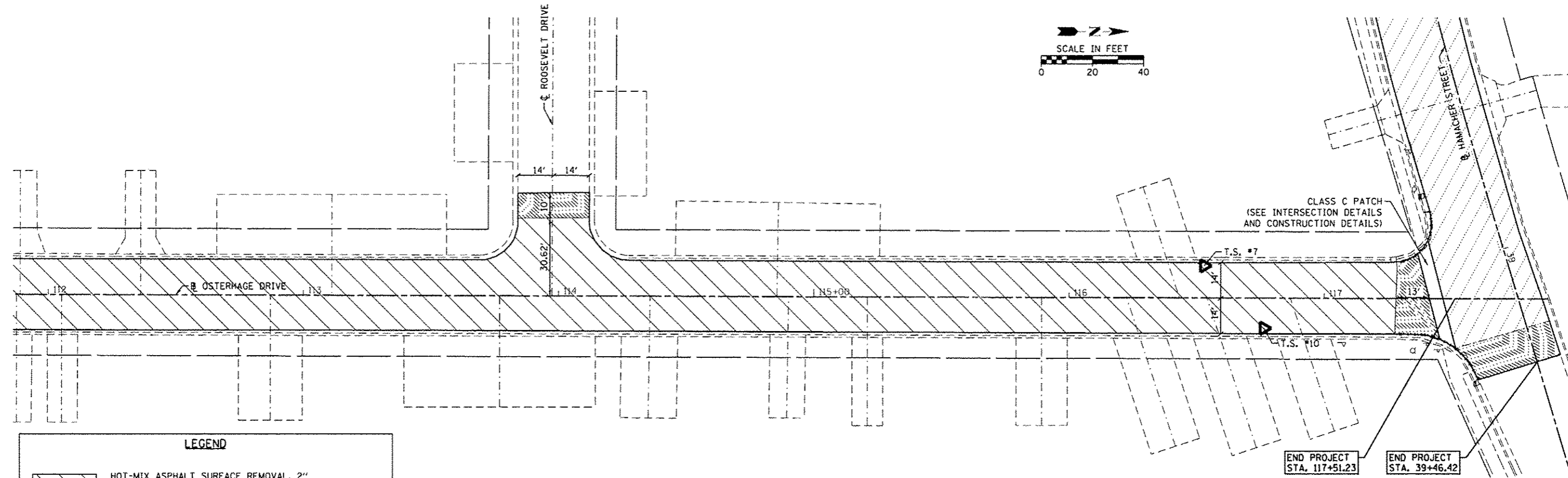
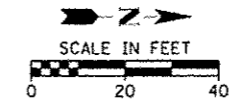
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY RESURFACING PLAN  
OSTERHAGE DRIVE**

SCALE: 1" = 20'    SHEET 4 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	11
			CONTRACT NO. 97615	
ILLINOIS FED. AID PROJECT				

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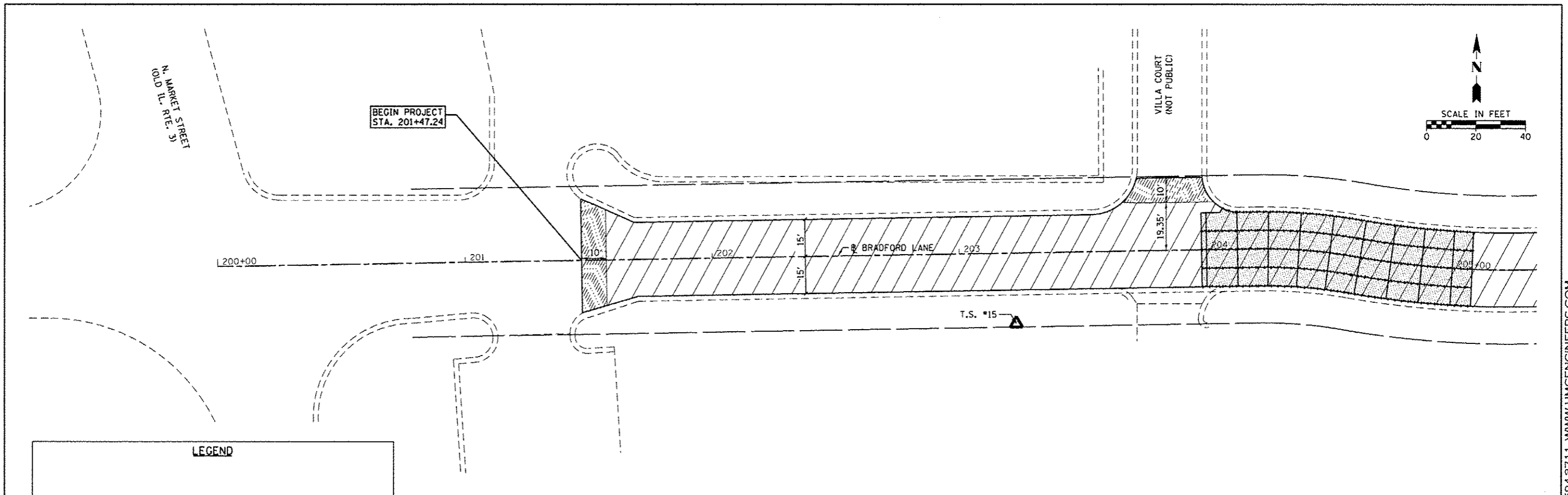


**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N70, 1" & VARIES HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- APPARENT EXISTING RIGHT-OF-WAY
- CLASS C PATCHES, 9 INCH (SPECIAL)

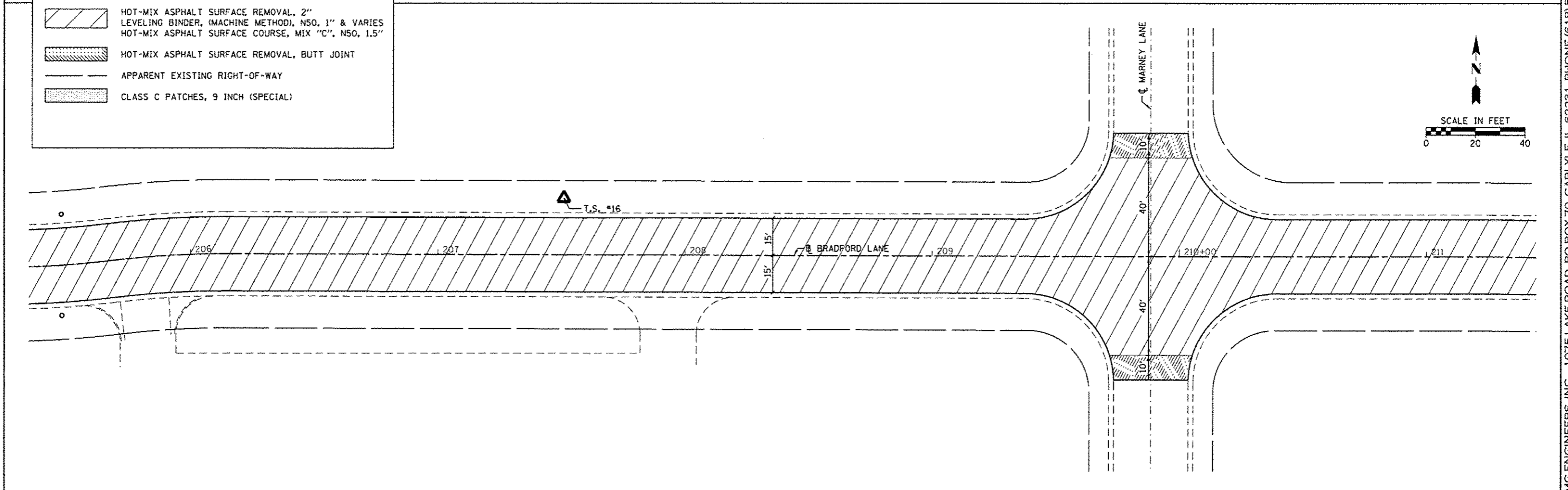
FILE NAME = 7173-SHT_PLAN_OST_2	USER NAME = pncodor	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY RESURFACING PLAN OSTERHAGE DRIVE</b>	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
H:\7173\10001PFY2016\CA005Sheets\7173-SH	PLAN_OST_2.dgn	DRAWN -	REVISED -			VAR.	14-00046-00-R5	MONROE	37	12	
	PLOT SCALE = 20.0000" / in.	CHECKED -	REVISED -			CONTRACT NO. 97615					
	PLOT DATE = 2/1/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
Default						SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. TO STA.					

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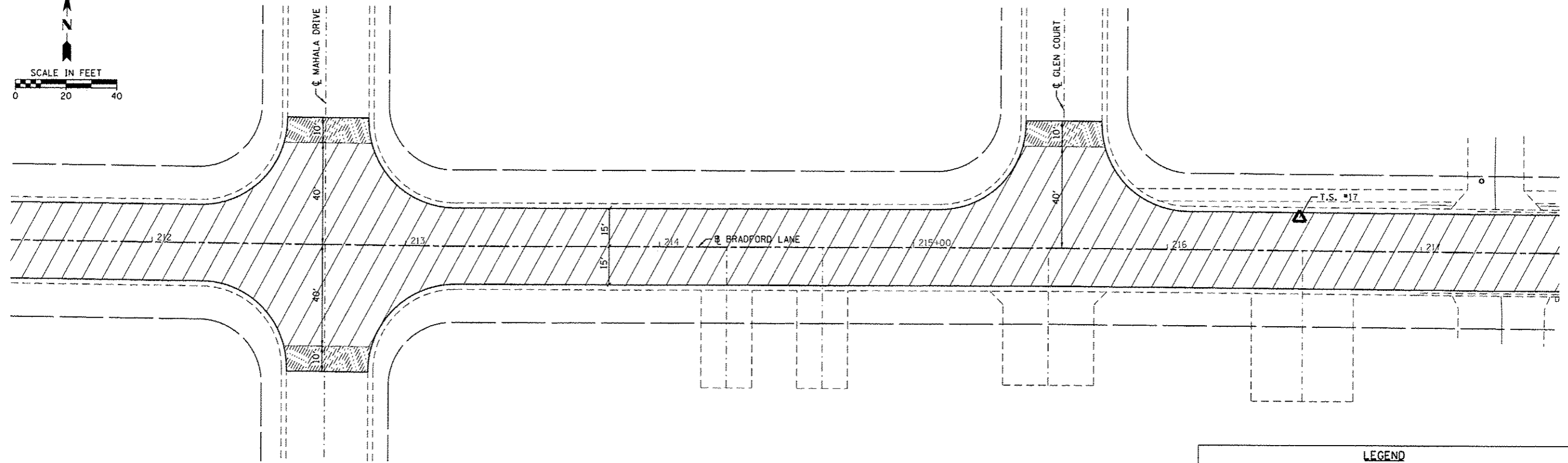
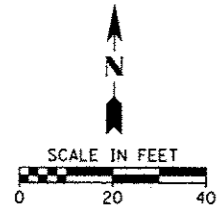
**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), NSO, 1" & VARIES
	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NSO, 1.5"
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	APPARENT EXISTING RIGHT-OF-WAY
	CLASS C PATCHES, 9 INCH (SPECIAL)

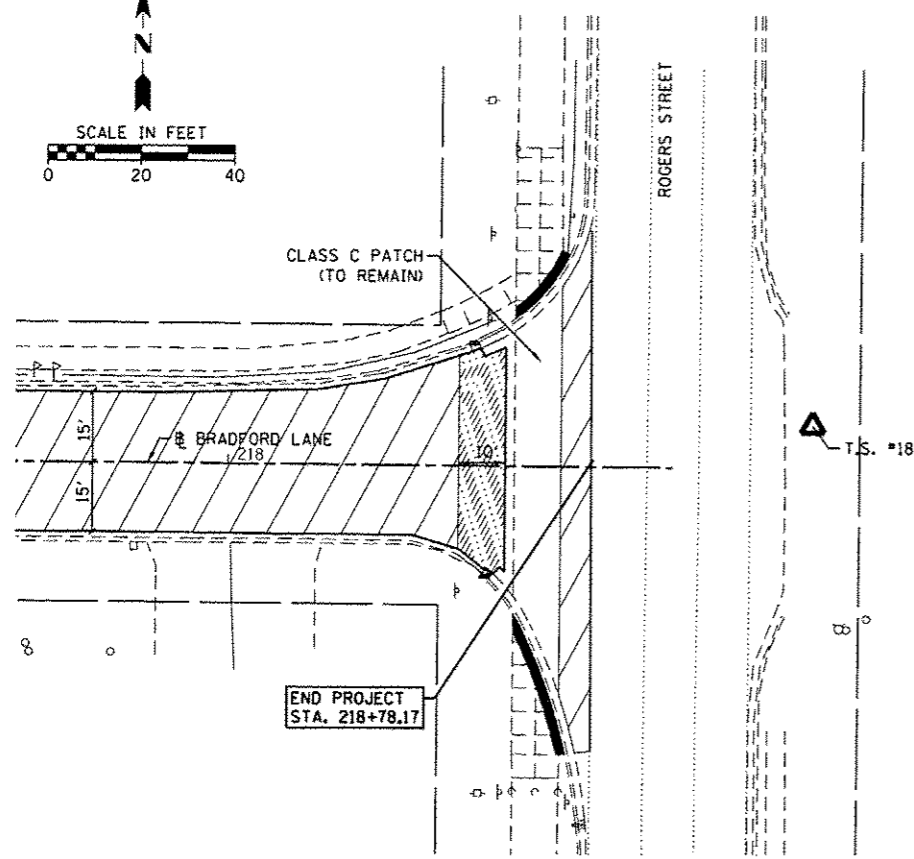
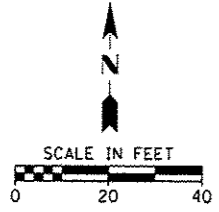


FILE NAME = 71713-SHT.PLAN.BRAD.1	USER NAME = pmsador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY RESURFACING PLAN BRADFORD LANE</b>	F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HA\7173\1005TPFY2816\CA005\shets\7173-SH	_PLAN.BRAD.1.dgn	DRAWN -	REVISED -			VAR.	14-00046-00-RS	MONROE	37	13	
	PLOT SCALE = 28.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 97615					
Default	PLOT DATE = 2/1/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 2" LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES
	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	APPARENT EXISTING RIGHT-OF-WAY
	CLASS C PATCHES, 9 INCH (SPECIAL)



FILE NAME = 7173-SHT_PLAN_BRAD.2	USER NAME = pmasdor	DESIGNED -	REVISED -
H:\7173\1005TPFY2016\CADD\Sheets\7173-SH	_PLAN_BRAD.2.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 2/14/2016	DATE -	REVISED -

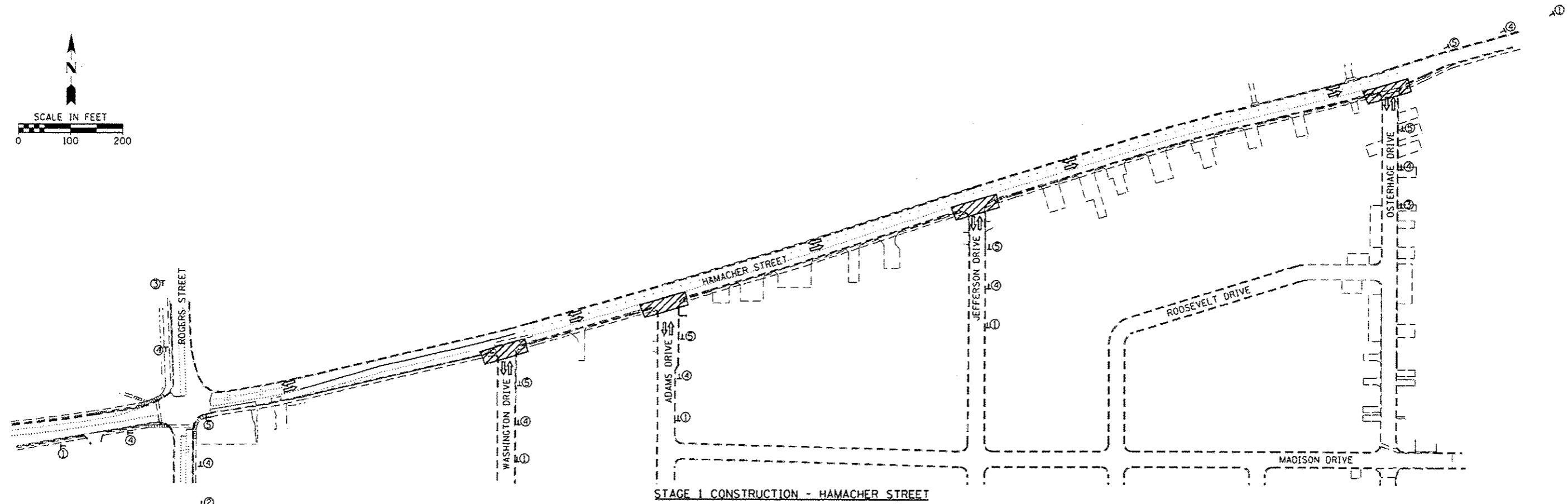
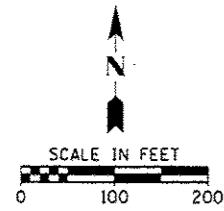
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY RESURFACING PLAN  
BRADFORD LANE**

SCALE: 1" = 20'    SHEET 7 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	14
CONTRACT NO. 97615				
ILLINOIS FED. AID PROJECT				

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STAGE 1 CONSTRUCTION - HAMACHER STREET

**STAGE 1 CONSTRUCTION - HAMACHER STREET**

STAGE 1 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

1. SIDEWALK, CURB RAMP, AND CROSSWALK RECONSTRUCTION AT WASHINGTON DRIVE, ADAMS DRIVE, JEFFERSON DRIVE, AND OSTERHAGE DRIVE. SEE INTERSECTION DETAILS.

**TRAFFIC CONTROL AND PROTECTION:**

1. HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR CROSSWALK AND CURBING CONSTRUCTION AND WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
2. HIGHWAY STANDARD 701801 SHALL BE UTILIZED FOR SIDEWALK AND CURB RAMP CONSTRUCTION AND WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM. THIS WORK SHALL INCLUDE ALL ADVANCE WARNING SIGNS.
3. ALL SIDE STREETS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION.

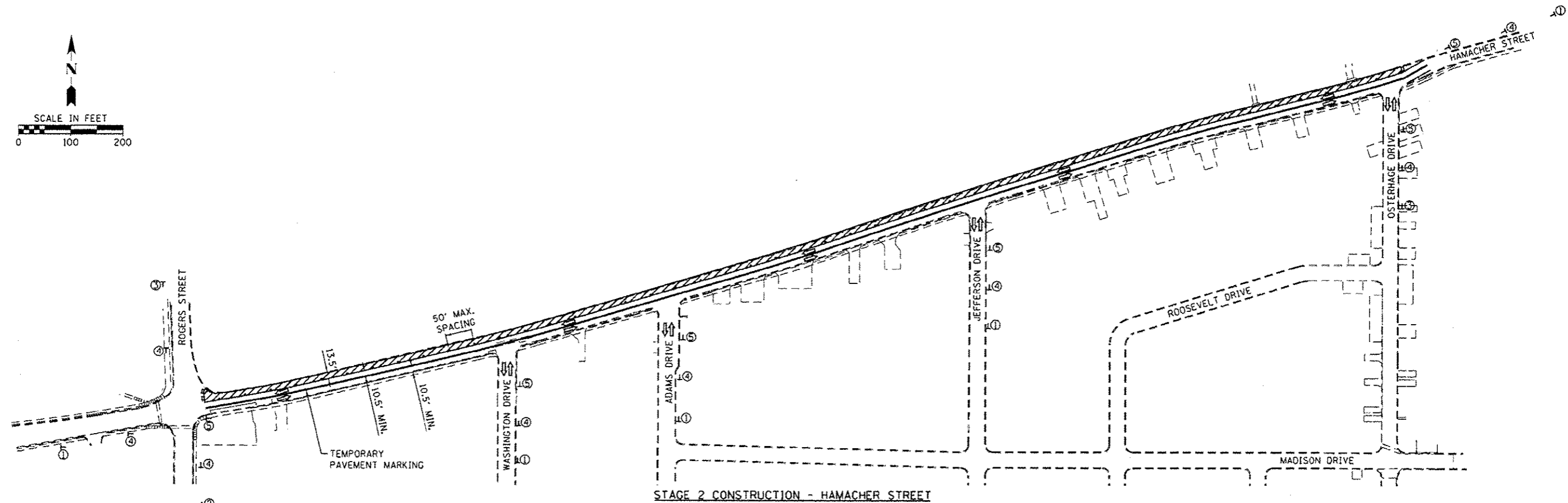
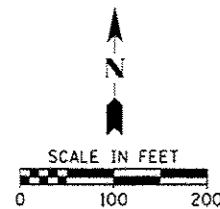
**PLAN VIEW LEGEND**

- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC

**ADVANCE WARNING SIGNS**

①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
M6-3 30" X 18" BLACK ON ORANGE	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
				CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT

FILE NAME: H:\173\1005\STPP\2016\CADD\Sheets\1733-SH	USER: BHE - emilson	DESIGNED: -	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION AND TRAFFIC CONTROL HAMACHER STREET</b>	F.A.U. R.T.E.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLT SCALE: 1" = 200.0000	DATE: -	DRAWN: -	REVISED: -			VAR.:	14-00046-00-RS	MONROE	37	15	
PLT DATE: 11/20/2016	DATE: -	CHECKED: -	REVISED: -			CONTRACT NO. 97615					
PLT DATE: 11/20/2016	DATE: -	CHECKED: -	REVISED: -			ILLINOIS FED. AID PROJECT					



STAGE 2 CONSTRUCTION - HAMACHER STREET

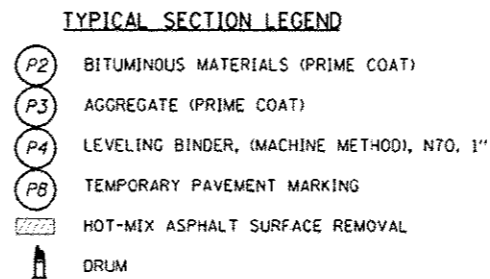
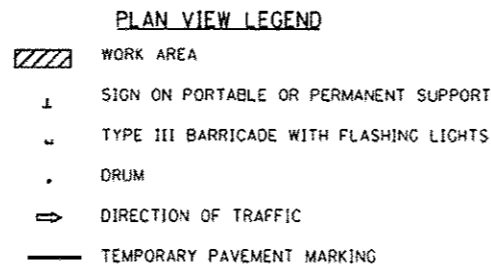
**STAGE 2 CONSTRUCTION - HAMACHER STREET**

STAGE 2 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

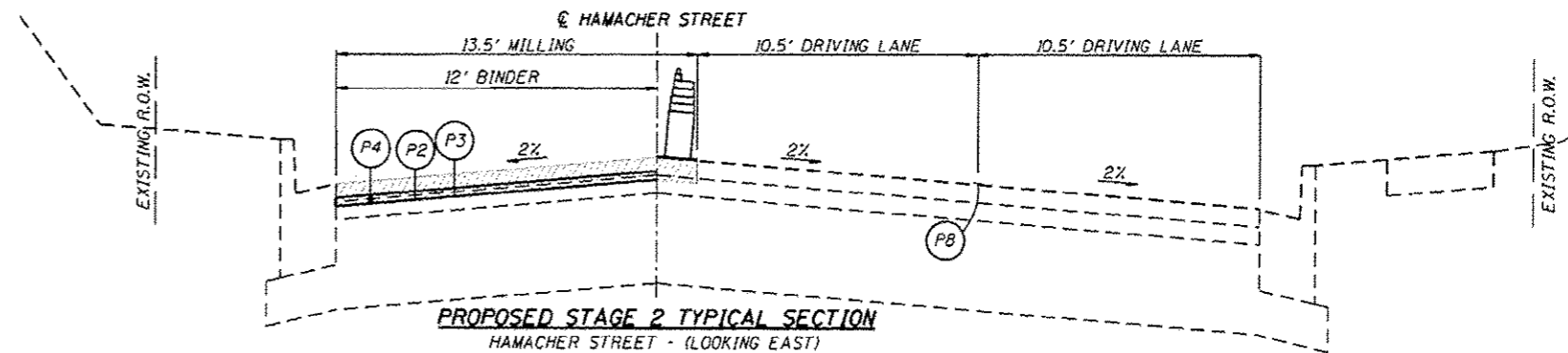
- ALL PAVEMENT MARKINGS ON HAMACHER STREET BUT NOT NOT WITHIN STAGE 2 MILLING LIMITS SHALL BE REMOVED AND PAID FOR AS PAVEMENT MARKING REMOVAL, 50 FT.
- TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED BETWEEN THE TWO LANES OF TRAFFIC AS SHOWN ABOVE AND WILL BE PAID FOR AS TEMPORARY PAVEMENT MARKING - LINE 4", FOOT.
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" (NORTH 13.5' OF HAMACHER STREET FROM STA 15+65.00 TO STA 19+00.00)
- HOT-MIX ASPHALT SURFACE REMOVAL, 2" (NORTH 13.5' OF HAMACHER STREET FROM STA 19+00.00 TO STA 39+46.42)
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- BITUMINOUS MATERIALS (PRIME COAT)
- PLACEMENT OF LEVELING BINDER, (MACHINE METHOD), N70 1" AND VARIES (NORTH 12' OF HAMACHER STREET)
- TEMPORARY RAMPS SHALL BE UTILIZED IN ACCORDANCE WITH ARTICLES 406.08 AND 603.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**TRAFFIC CONTROL AND PROTECTION:**

- HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR PAVEMENT MARKING REMOVAL, PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, MILLING OPERATIONS, AND BINDER PLACEMENT. SAID WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
- ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
- TRAFFIC SHALL NOT BE ALLOWED ON MILLED SURFACES. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG HAMACHER STREET BY USE OF TEMPORARY RAMPS.
- DRIVING LANES WITH A MINIMUM WIDTH OF 10.5' SHALL BE MAINTAINED IN BOTH DIRECTIONS.
- BARRICADES AND DRUMS SHOWN DO NOT REPRESENT THE NUMBER REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY NUMBER REQUIRED FOR THE PARTICULAR AREA.
- ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.



ADVANCE WARNING SIGNS				
①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
M6-3 30" X 18" BLACK ON ORANGE	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT				

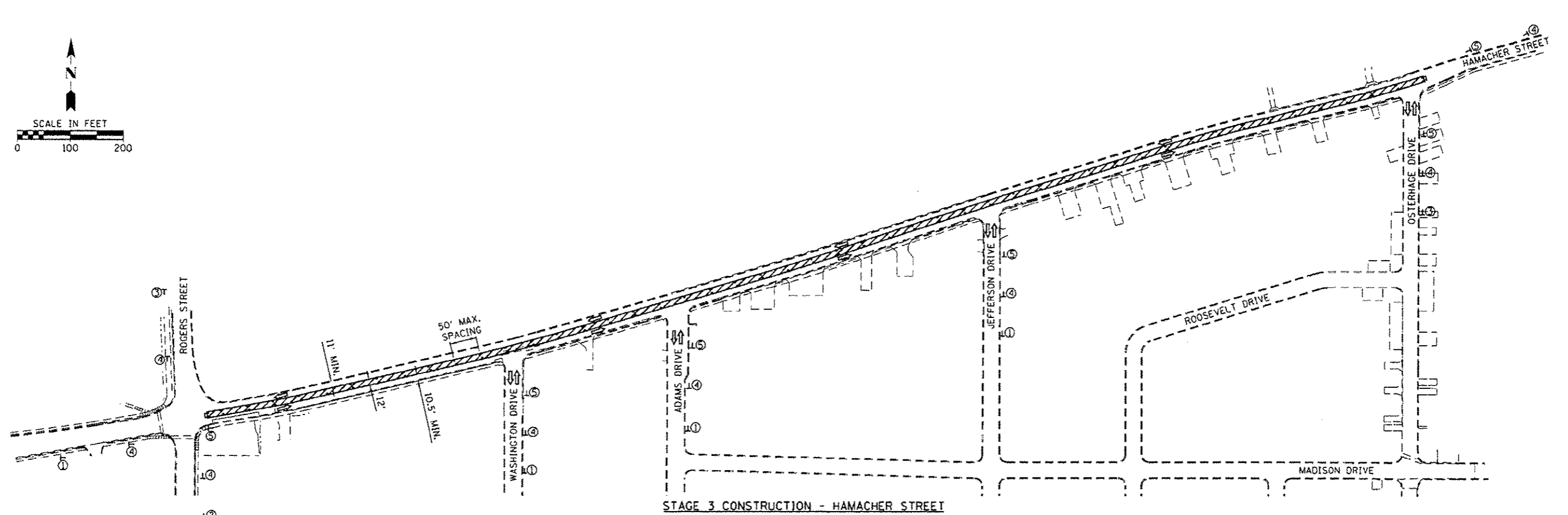
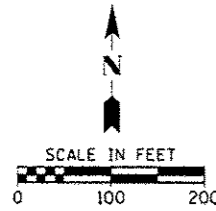


PROPOSED STAGE 2 TYPICAL SECTION  
HAMACHER STREET - (LOOKING EAST)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION AND TRAFFIC CONTROL</b> <b>HAMACHER STREET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PL 7173\1400STPP\2016\CADD\Specs\17173-SH	Juan TRAFFIC.dgn	DRAWN -	REVISED -		SCALE: 1" = 100'	SHEET 2 OF 8 SHEETS	STA. TO STA.	14-00046-00-RS	MONROE	37	16
	PLOT SCALE = 200:0000 1" = 10'	CHECKED -	REVISED -								
	PLOT DATE = 4/22/2016	DATE -	REVISED -								
CONTRACT NO. 97615 ILLINOIS FED. AID PROJECT											

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STAGE 3 CONSTRUCTION - HAMACHER STREET

**STAGE 3 CONSTRUCTION - HAMACHER STREET**

STAGE 3 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

1. HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" (CENTER 10.5' OF HAMACHER STREET FROM STA 15+65.00 TO STA 19+00.00)
2. HOT-MIX ASPHALT SURFACE REMOVAL, 2" (CENTER 10.5' OF HAMACHER STREET FROM STA 19+00.00 TO STA 39+46.42)
3. HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
4. BITUMINOUS MATERIALS (PRIME COAT)
5. PLACEMENT OF LEVELING BINDER, (MACHINE METHOD), N70 1" AND VARIES (CENTER 11' OF HAMACHER STREET)
6. TEMPORARY RAMPS SHALL BE UTILIZED IN ACCORDANCE WITH ARTICLES 406.08 AND 603.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**TRAFFIC CONTROL AND PROTECTION:**

1. HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR MILLING OPERATIONS, AND BINDER PLACEMENT. SAID WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501. SPECIAL, LUMP SUM.
2. ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
3. TRAFFIC SHALL NOT BE ALLOWED ON MILLED SURFACES. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG HAMACHER STREET BY USE OF TEMPORARY RAMPS.
4. DRIVING LANES WITH A MINIMUM WIDTH OF 10.5' SHALL BE MAINTAINED IN BOTH DIRECTIONS.
5. BARRICADES AND DRUMS SHOWN DO NOT REPRESENT THE NUMBER REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY NUMBER REQUIRED FOR THE PARTICULAR AREA.
6. ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.

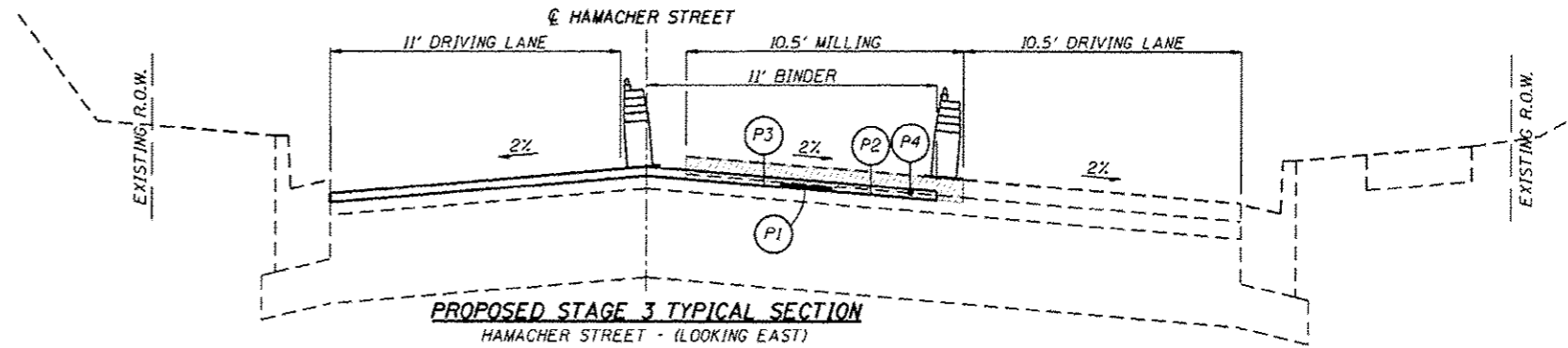
**PLAN VIEW LEGEND**

	WORK AREA
	SIGN ON PORTABLE OR PERMANENT SUPPORT
	TYPE III BARRICADE WITH FLASHING LIGHTS
	DRUM
	DIRECTION OF TRAFFIC

**TYPICAL SECTION LEGEND**

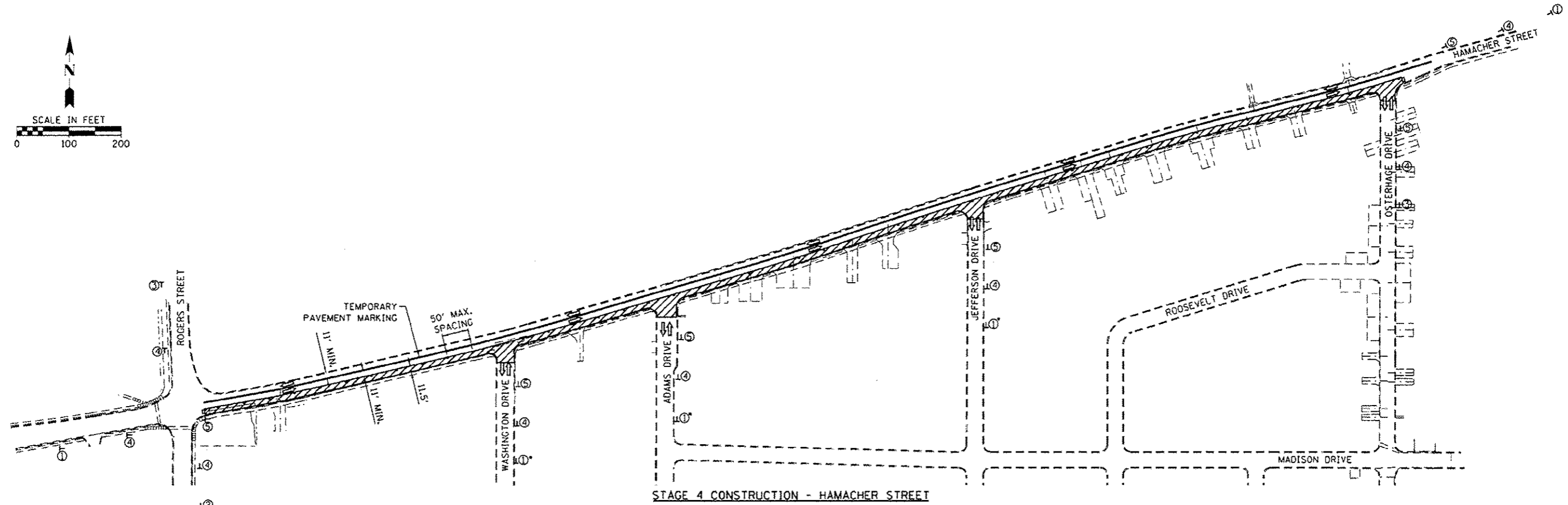
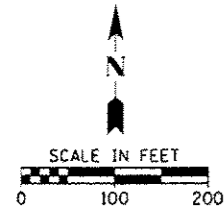
	BITUMINOUS MATERIALS (PRIME COAT)
	AGGREGATE (PRIME COAT)
	LEVELING BINDER, (MACHINE METHOD), N70, 1"
	HOT-MIX ASPHALT SURFACE REMOVAL
	DRUM

ADVANCE WARNING SIGNS				
①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
M6-3 30" X 18" BLACK ON ORANGE	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
				CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT



PROPOSED STAGE 3 TYPICAL SECTION  
HAMACHER STREET - (LOOKING EAST)

FILE NAME H:\173\1005777\2016\CADD\Sheets\173-SH	USER NAME JAWI IPAFFIC.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION AND TRAFFIC CONTROL HAMACHER STREET</b>		F.A.U. RTE. VAR.	SECTION 14-00046-00-RS	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 17	
PLOT SCALE = 200.0000 1/4" = 1'	PLOT DATE = 4/22/2016	CHECKED - DATE -	REVISED - REVISED -		SCALE: 1" = 100'	SHEET 3 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 97615				
ILLINOIS FED. AID PROJECT												
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STAGE 4 CONSTRUCTION - HAMACHER STREET

**STAGE 4 CONSTRUCTION - HAMACHER STREET**

STAGE 4 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

- TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED BETWEEN THE TWO LANES OF TRAFFIC AS SHOWN ABOVE AND WILL BE PAID FOR AS TEMPORARY PAVEMENT MARKING - LINE 4", FOOT.
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" (SOUTH 10.5' OF HAMACHER STREET FROM STA 15+65.00 TO STA 19+00.00)
- HOT-MIX ASPHALT SURFACE REMOVAL, 2" (SOUTH 10.5' OF HAMACHER STREET FROM STA 19+00.00 TO STA 39+46.42)
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- BITUMINOUS MATERIALS (PRIME COAT)
- PLACEMENT OF LEVELING BINDER, (MACHINE METHOD), N70 1" AND VARIES (SOUTH 11.5' OF HAMACHER STREET)
- TEMPORARY RAMPS SHALL BE UTILIZED IN ACCORDANCE WITH ARTICLES 406.08 AND 603.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**TRAFFIC CONTROL AND PROTECTION:**

- HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, MILLING OPERATIONS, AND BINDER PLACEMENT. SAID WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
- ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
- TRAFFIC SHALL NOT BE ALLOWED ON MILLED SURFACES. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG HAMACHER STREET BY USE OF TEMPORARY RAMPS.
- ALL SIDE STREETS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION. TEMPORARY RAMPS SHALL BE USED TO KEEP TRAFFIC OFF MILLED SURFACES.
- DRIVING LANES WITH A MINIMUM WIDTH OF 10.5' SHALL BE MAINTAINED IN BOTH DIRECTIONS.
- BARRICADES AND DRUMS SHOWN DO NOT REPRESENT THE NUMBER REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY NUMBER REQUIRED FOR THE PARTICULAR AREA.
- ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.

**PLAN VIEW LEGEND**

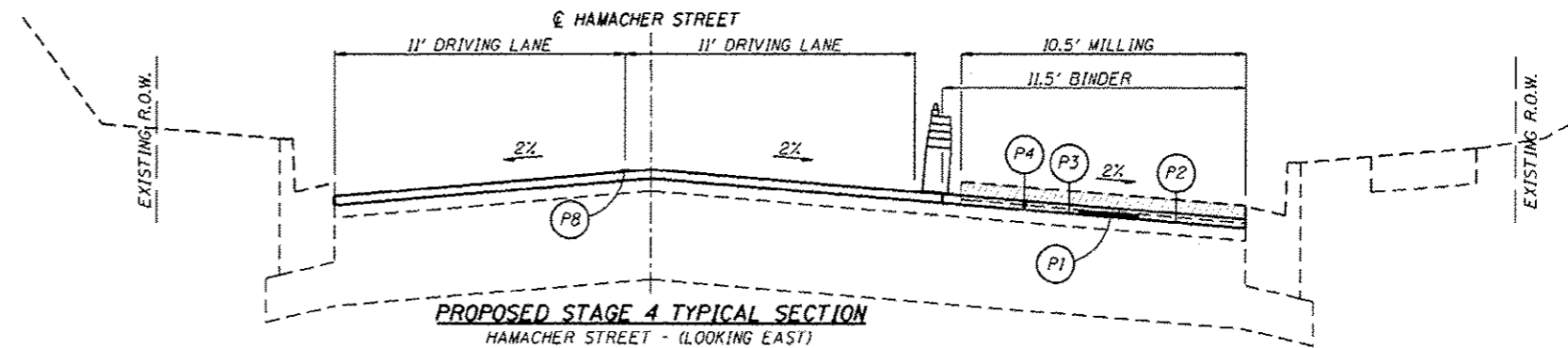
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT MARKING

**TYPICAL SECTION LEGEND**

- BITUMINOUS MATERIALS (PRIME COAT)
- AGGREGATE (PRIME COAT)
- LEVELING BINDER, (MACHINE METHOD), N70, 1"
- TEMPORARY PAVEMENT MARKING
- HOT-MIX ASPHALT SURFACE REMOVAL
- DRUM

**ADVANCE WARNING SIGNS**

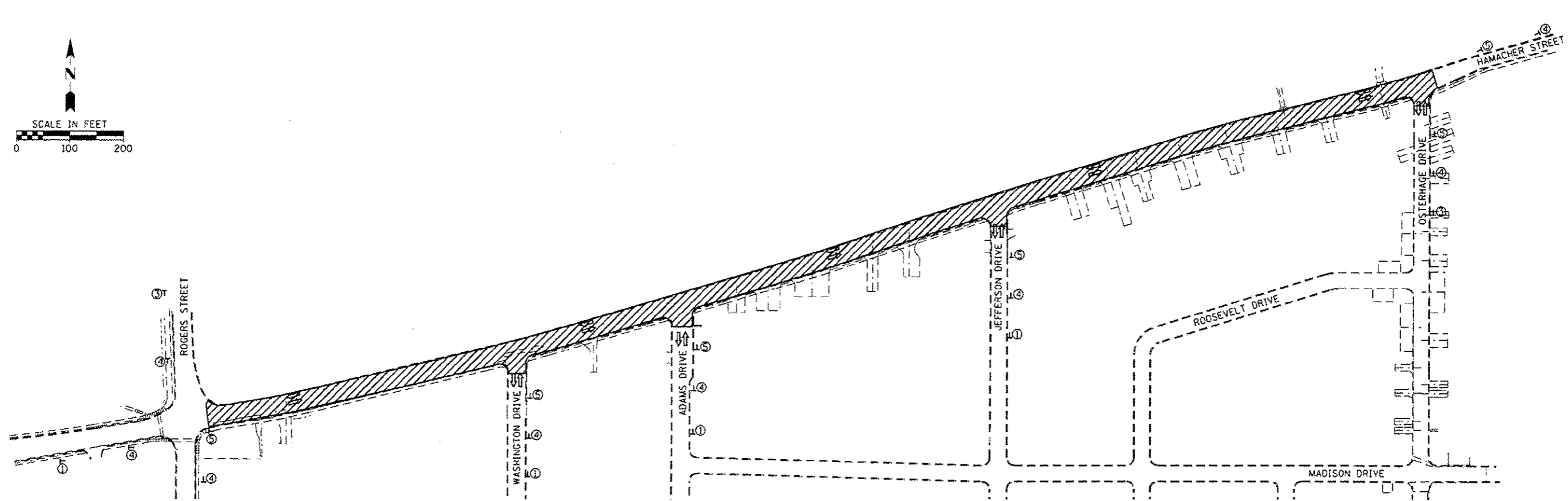
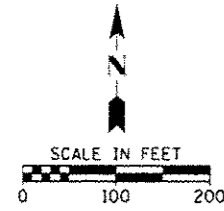
①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
M6-3 30" X 18" BLACK ON ORANGE	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
REQUIRES PLACEMENT OF SUPPLEMENTAL SIGN THAT READS "USE OSTERHAGE DRIVE"				CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT



PROPOSED STAGE 4 TYPICAL SECTION  
HAMACHER STREET - (LOOKING EAST)

FILE NAME M:\173\17300\STP\2016\CADD\Streets\173-04	USER NAME caison	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGES OF CONSTRUCTION AND TRAFFIC CONTROL HAMACHER STREET	F.A.U. RTE. VAR.	SECTION 14-00046-00-RS	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 18
SCALE: 1" = 100'	SHEET 4 OF 8 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT							

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STAGE 5 CONSTRUCTION - HAMACHER STREET

**STAGE 5 CONSTRUCTION - HAMACHER STREET**

STAGE 5 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

1. TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED BETWEEN THE TWO LANES OF TRAFFIC AND WILL BE PAID FOR AS TEMPORARY PAVEMENT MARKING - LINE 4", FOOT.
2. BITUMINOUS MATERIALS (PRIME COAT)
3. PLACEMENT OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (FULL WIDTH OF HAMACHER STREET FROM STA 15+65.00 TO STA 39+46.42)
4. TEMPORARY RAMPS SHALL BE UTILIZED IN ACCORDANCE WITH ARTICLES 406.08 AND 603.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**TRAFFIC CONTROL AND PROTECTION:**

1. HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND HOT-MIX ASPHALT SURFACE COURSE PLACEMENT. SAID WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
2. ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
3. DRIVING LANES WITH A MINIMUM WIDTH OF 10.5' SHALL BE MAINTAINED IN BOTH DIRECTIONS.
4. BARRICADES AND DRUMS SHOWN DO NOT REPRESENT THE NUMBER REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY NUMBER REQUIRED FOR THE PARTICULAR AREA.
5. ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.
6. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG HAMACHER STREET BY USE OF TEMPORARY RAMPS.
7. ALL SIDE STREETS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION BY USE OF TEMPORARY RAMPS.

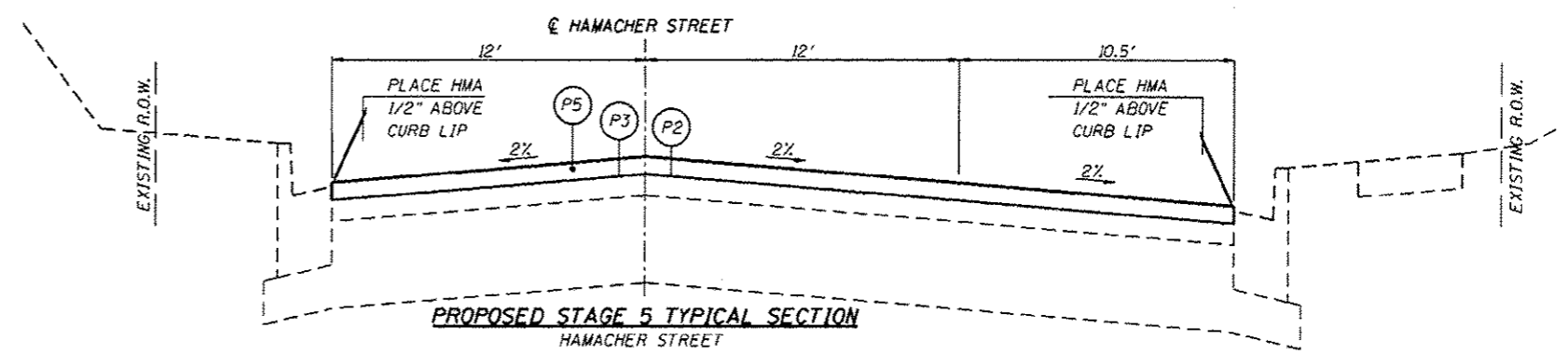
**PLAN VIEW LEGEND**

- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT MARKING

**TYPICAL SECTION LEGEND**

- BITUMINOUS MATERIALS (PRIME COAT)
- AGGREGATE (PRIME COAT)
- LEVELING BINDER, (MACHINE METHOD), N70, 1"
- TEMPORARY PAVEMENT MARKING
- HOT-MIX ASPHALT SURFACE REMOVAL
- DRUM

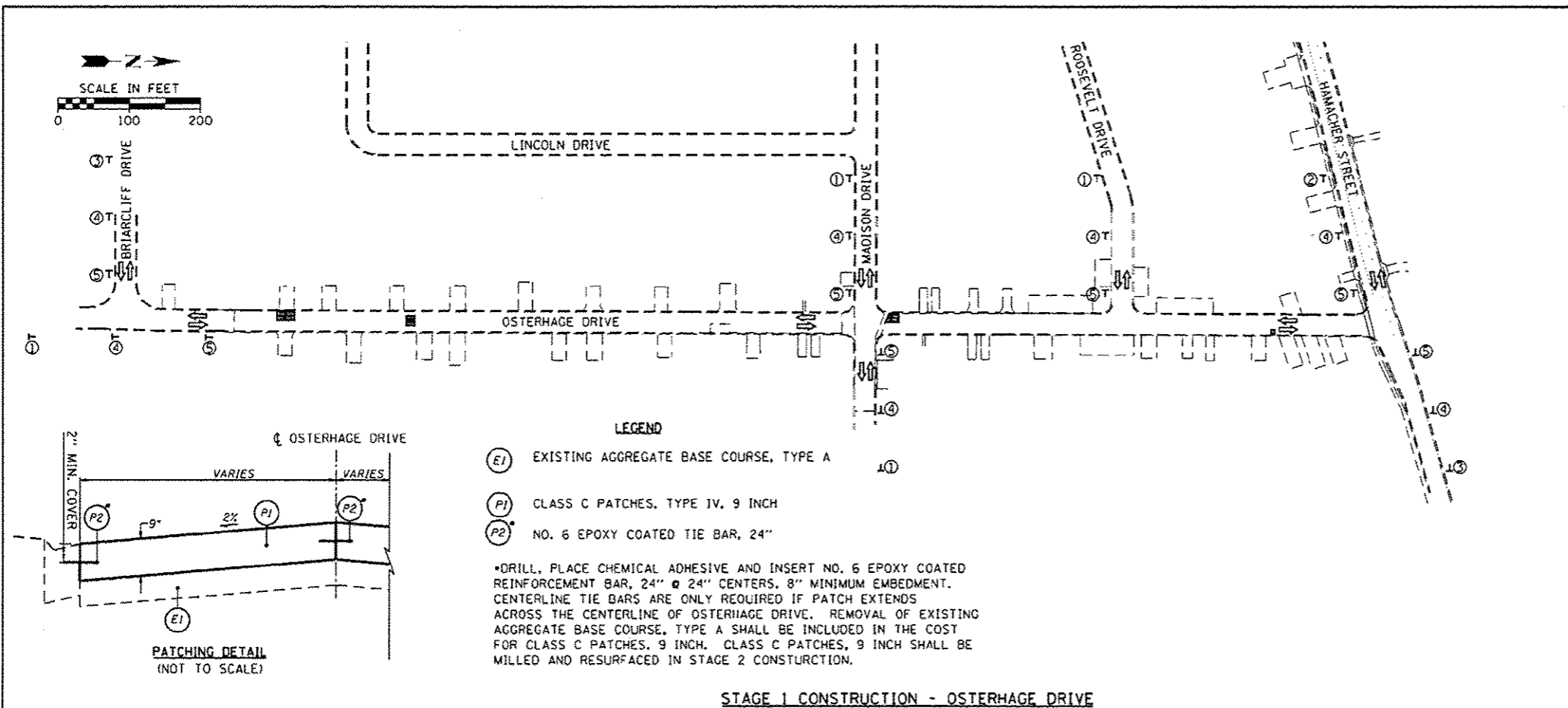
ADVANCE WARNING SIGNS				
①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
M6-3 30" X 18" BLACK ON ORANGE	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT				



PROPOSED STAGE 5 TYPICAL SECTION  
HAMACHER STREET

FILE NAME H:\7173\1405\STP\2016\CADD\Sheets\7173-SH	USER NAME JHAI TRAFFIC.dgn	DESIGNED - DRAWN - CHECKED - DATE -	REVISIONS - - - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGES OF CONSTRUCTION AND TRAFFIC CONTROL HAMACHER STREET	F.A.U. RTE. VAR.	SECTION 14-00046-00-RS	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 19	CONTRACT NO. 97615
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**STAGE 1 CONSTRUCTION  
OSTERHAGE DRIVE**

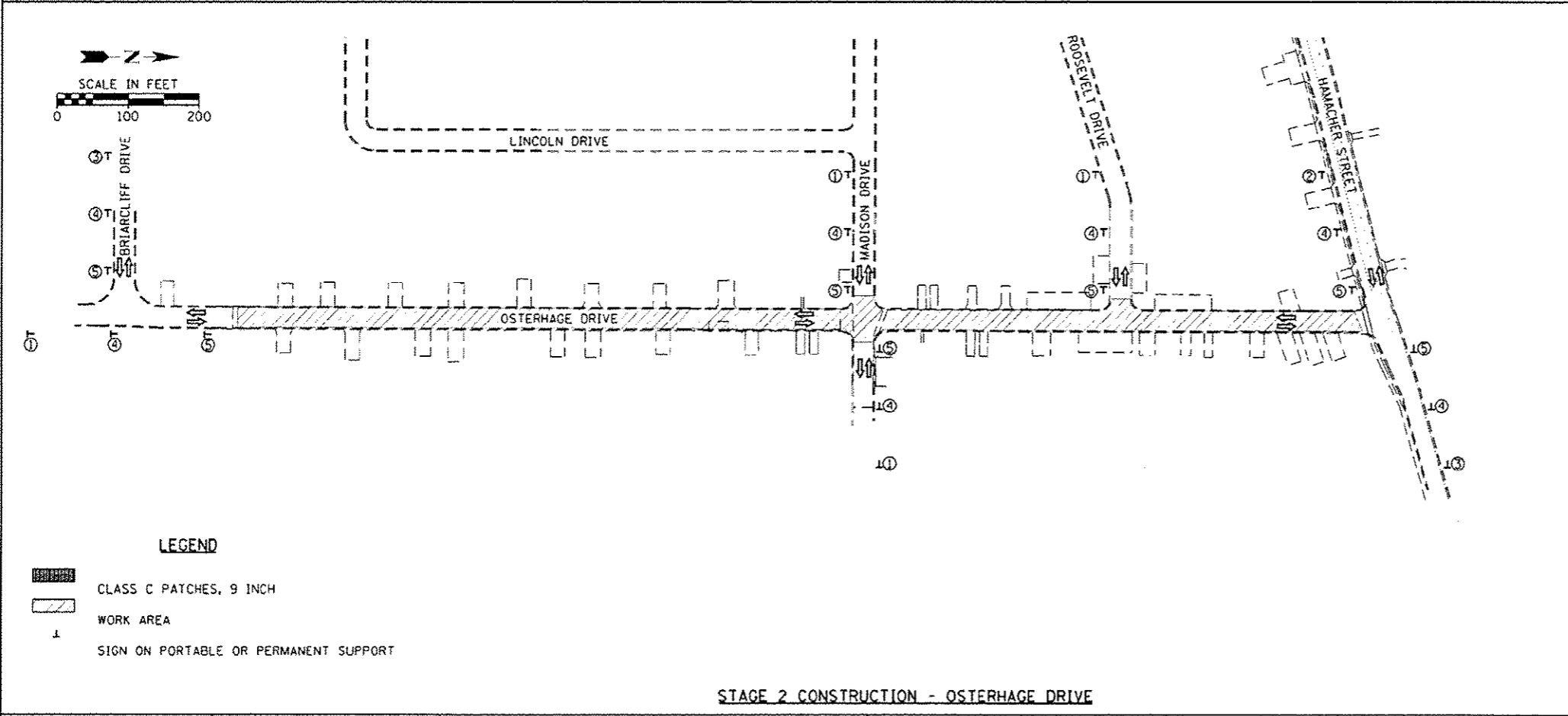
STAGE 1 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

- PATCHING OSTERHAGE DRIVE.

TRAFFIC CONTROL AND PROTECTION:

- HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR PATCHING OPERATIONS AND WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
- ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, LUMP SUM.

ADVANCE WARNING SIGNS				
①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
				CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT



**STAGE 2 CONSTRUCTION  
OSTERHAGE DRIVE**

STAGE 2 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

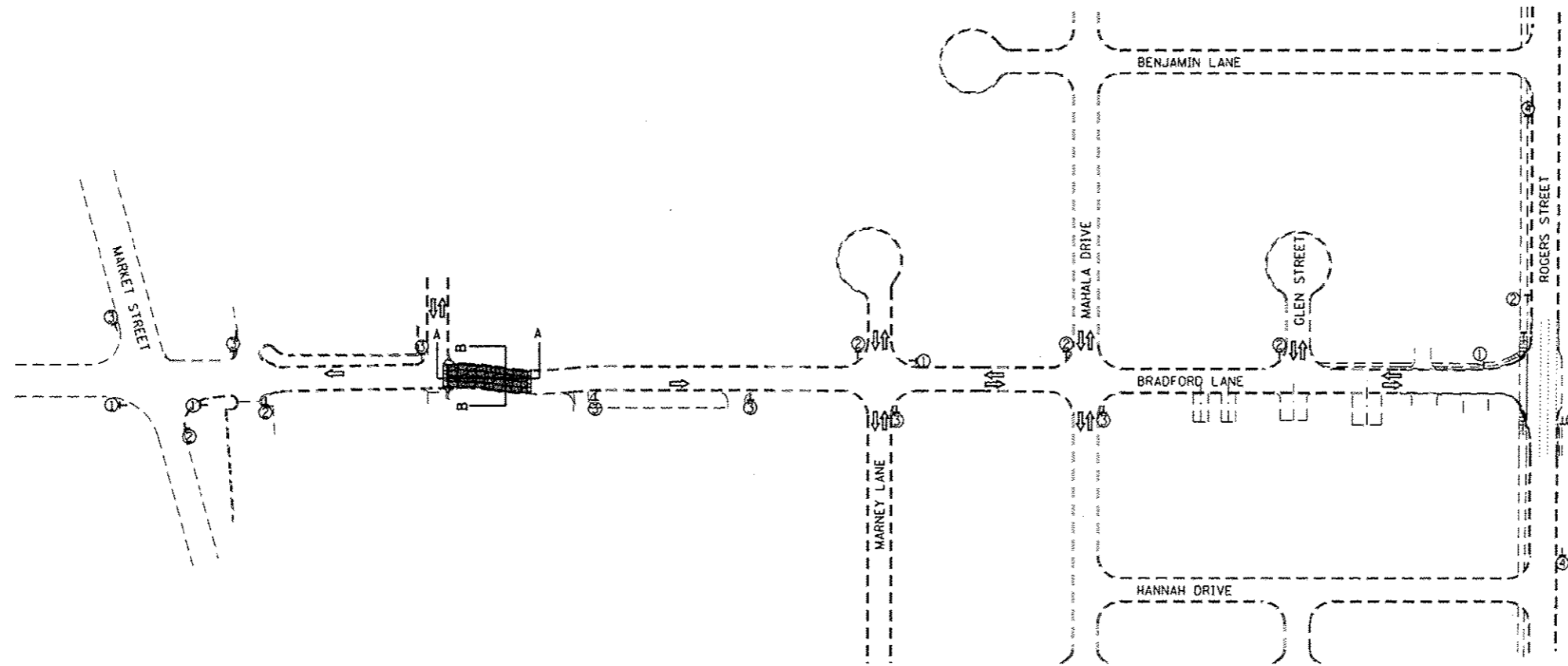
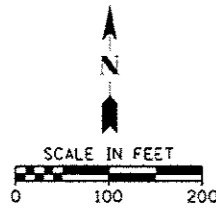
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- BITUMINOUS MATERIALS (PRIME COAT)
- PLACEMENT OF LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES. LEVELING BINDER SHALL BE PLACED WITHIN 24 HOURS OF MILLING. CONTRACTOR SHALL COORDINATE OPERATIONS WITH THE CITY SO THAT GARBAGE TRUCKS ARE NOT ALLOWED ON MILLED SURFACES.
- PLACEMENT OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- TEMPORARY RAMPS SHALL BE UTILIZED IN ACCORDANCE WITH ARTICLES 406.08 AND 603.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

TRAFFIC CONTROL AND PROTECTION:

- HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR MILLING OPERATIONS AND PLACEMENT OF HOT-MIX ASPHALT. SAID WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
- ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
- ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.
- ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG OSTERHAGE DRIVE BY USE OF TEMPORARY RAMPS.
- ALL SIDE STREETS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION BY USE OF TEMPORARY RAMPS.

FILE NAME: H:\7173\1406TRF\1406TRF.dwg	USER NAME: jwilson	DESIGNED: -	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION AND TRAFFIC CONTROL OSTERHAGE DRIVE</b>		F.A.U. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HMC JOB NO. 7173	OST TRAFFIC.dgn	DRAWN: -	REVISED: -		SCALE: 1" = 100'	SHEET 6 OF 8 SHEETS	STA. TO STA.	VAR.:	14-00046-00-RS	MONROE	37	20
	PLOT SCALE: 1/4" = 1' in.	CHECKED: -	REVISED: -									
	PLOT DATE: 4/22/2018	DATE: -	REVISED: -									
CONTRACT NO. 97615												

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STAGE 1 CONSTRUCTION - BRADFORD LANE

**STAGE 1 CONSTRUCTION - BRADFORD LANE**

STAGE 1 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

**1. PATCHING BRADFORD LANE**

**TRAFFIC CONTROL AND PROTECTION:**

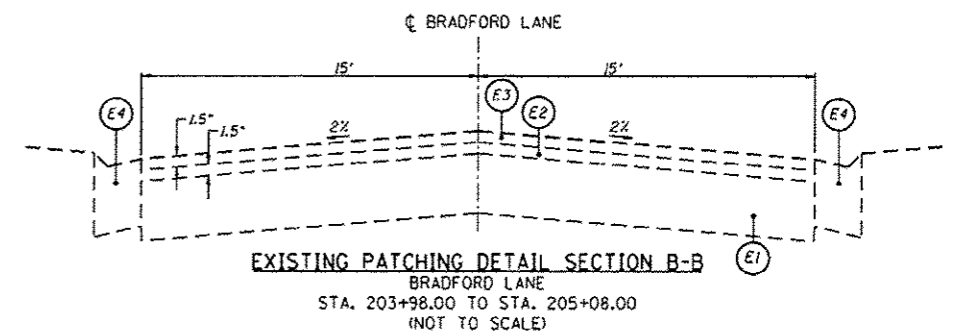
1. ALL TRAFFIC CONTROL FOR PATCHING OPERATIONS, INCLUDING ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
2. ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.
3. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG BRADFORD LANE AND ALL SIDE STREETS SHALL REMAIN OPEN.
4. THE CLOSURES FOR CONSTRUCTION OF THE LARGE PATCH AT THE WEST END OF WORK ALONG BRADFORD SHALL LAST ONLY AS LONG AS CONCRETE STRENGTHS ARE ACHIEVED FOLLOWING INITIATION OF WORK AT THIS LOCATION.

**LEGEND**

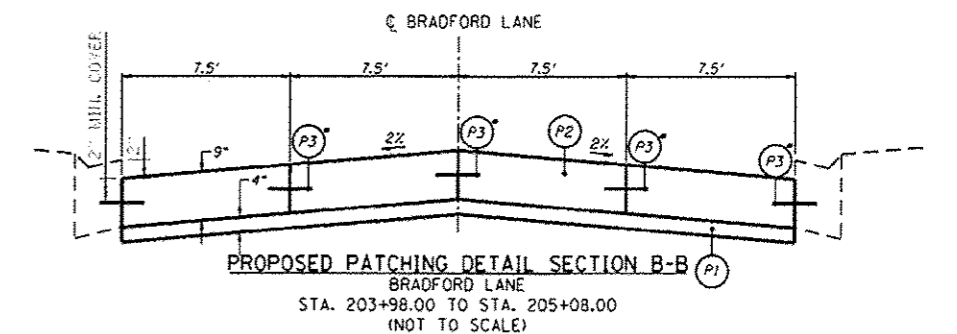
- CLASS C PATCHES, 9 INCH
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC

**SECTION B-B LEGEND**

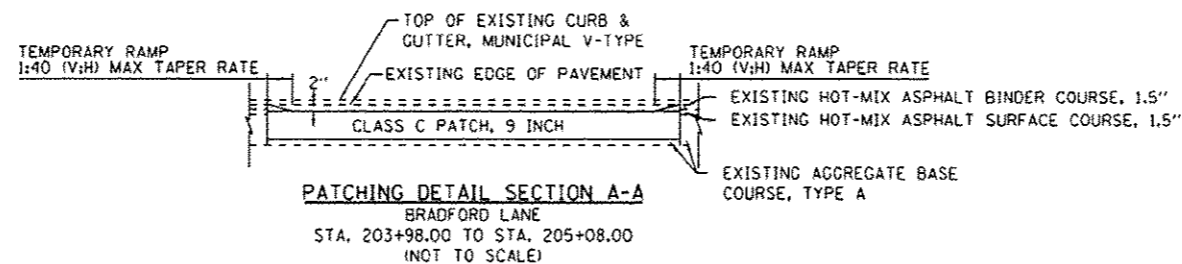
- EXISTING AGGREGATE BASE COURSE, TYPE A
- EXISTING HOT-MIX ASPHALT BINDER COURSE
- EXISTING HOT-MIX ASPHALT SURFACE COURSE
- EXISTING CURB & GUTTER, MUNICIPAL V-TYPE
- AGGREGATE BASE COURSE, TYPE A
- CLASS C PATCHES, TYPE IV, 9 INCH
- NO. 6 EPOXY COATED TIE BAR, 24"



REMOVAL OF EXISTING AGGREGATE BASE COURSE, TYPE A AND EXISTING SUBBASE SHALL BE INCLUDED IN THE COST FOR CLASS C PATCH, TYPE IV, 9 INCH.



\*DRILL, PLACE CHEMICAL ADHESIVE AND INSERT NO. 6 EPOXY COATED REINFORCEMENT BAR, 24" ø 24" CENTERS, 8" MINIMUM EMBEDMENT.



CLASS C PATCH SHALL BE PLACED 2" BELOW EXISTING PAVEMENT ELEVATION, SO THAT THE PATCH IS FLUSH WITH MILLED SURFACES IN STAGE 2. TEMPORARY RAMPS SHALL BE USED IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CLASS C PATCH SHALL BE RESURFACED WITH ADJOINING PAVEMENT.

ADVANCE WARNING SIGNS			
①	②	③	④
W20-3 48" X 48" BLACK ON ORANGE	W20-3 48" X 48" BLACK ON ORANGE	W20-3 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE
MG-3 30" X 18" BLACK ON ORANGE	MS-1R 30" X 18" BLACK ON ORANGE	MS-1L 30" X 18" BLACK ON ORANGE	MG-3 30" X 18" BLACK ON ORANGE

FILE NAME: H:\173\1008\173-001-000\Sheets\173-01-01.dgn  
 USER NAME: e-jason  
 DESIGNED: -  
 DRAWN: -  
 CHECKED: -  
 DATE: -  
 HMG JOB NO. 7173  
 PLOT SCALE: 200.0/173  
 PLOT DATE: 4/22/2016

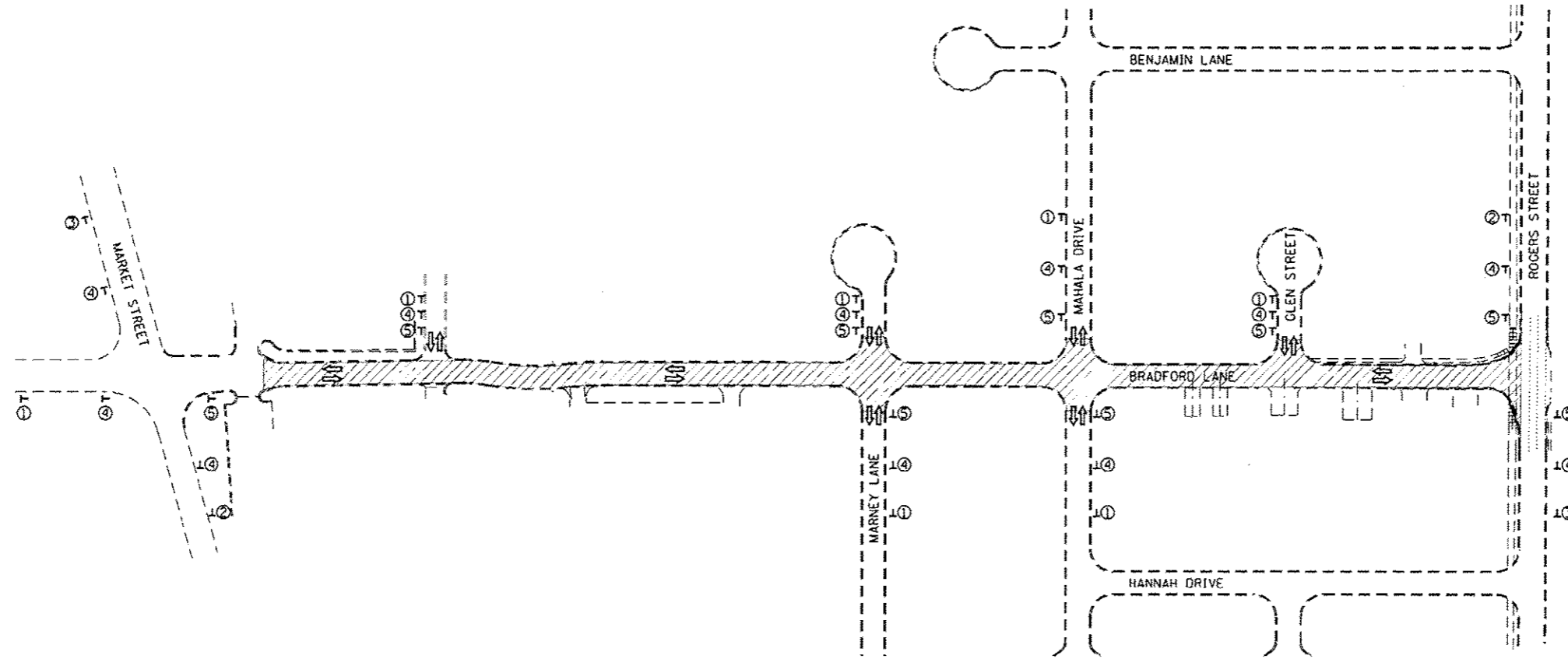
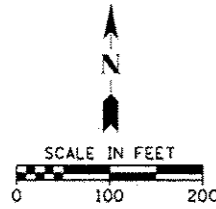
DESIGNED: -  
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 CHECKED: -  
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 REVISED: -  
 REVISED: -  
 REVISED: -  
 REVISED: -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
 BRADFORD LANE

SCALE: 1" = 100' SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	21
CONTRACT NO. 97615				
ILLINOIS FED. AID PROJECT				



STAGE 2 CONSTRUCTION - BRADFORD LANE

**STAGE 2 CONSTRUCTION - BRADFORD LANE**

STAGE 2 CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:

1. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
2. HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
3. BITUMINOUS MATERIALS (PRIME COAT)
4. PLACEMENT OF LEVELING BINDER, (MACHINE METHOD), N50, 1" & VARIES LEVELING BINDER SHALL BE PLACED WITHIN 24 HOURS OF MILLING. CONTRACTOR SHALL COORDINATE OPERATIONS WITH THE CITY SO THAT GARBAGE TRUCKS ARE NOT ALLOWED ON MILLED SURFACES. CLASS C PATCH PLACED IN STAGE 1 SHALL BE RESURFACED IN STAGE 2.
5. PLACEMENT OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
6. TEMPORARY RAMPS SHALL BE UTILIZED IN ACCORDANCE WITH ARTICLES 406.08 AND 603.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**TRAFFIC CONTROL AND PROTECTION:**

1. HIGHWAY STANDARD 701501 SHALL BE UTILIZED FOR MILLING OPERATIONS AND PLACEMENT OF HOT-MIX ASPHALT. SAID WORK WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701501, SPECIAL, LUMP SUM.
2. ALL ADVANCE WARNING SIGNS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
3. ADVANCE WARNING SIGNS SHALL BE SPACED AT LEAST 200 FEET APART.
4. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES ALONG OSTERHAGE DRIVE BY USE OF TEMPORARY RAMPS.
5. ALL SIDE STREETS SHALL REMIAN OPEN TO TRAFFIC DURING CONSTRUCTION BY USE OF TEMPORARY RAMPS.

**LEGEND**

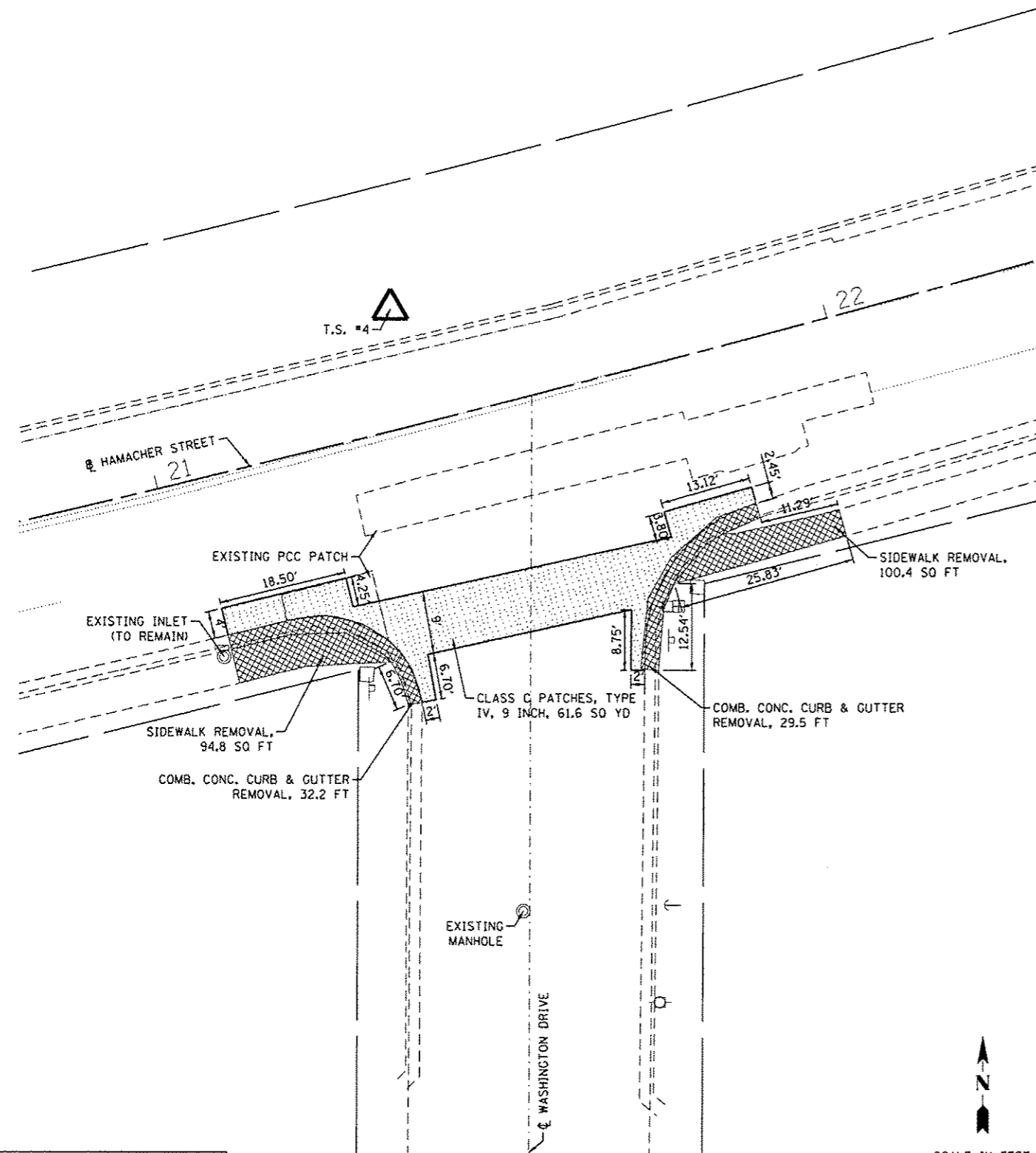
- CLASS C PATCHES, 9 INCH
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC

**ADVANCE WARNING SIGNS**

①	②	③	④	⑤
W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-1 48" X 48" BLACK ON ORANGE	W20-4 48" X 48" BLACK ON ORANGE	W20-7 48" X 48" BLACK ON ORANGE
	M5-1R 30" X 18" BLACK ON ORANGE	M5-1L 30" X 18" BLACK ON ORANGE		
CONTRACTOR SHALL COVER SIGN WHEN FLAGGERS ARE NOT PRESENT				

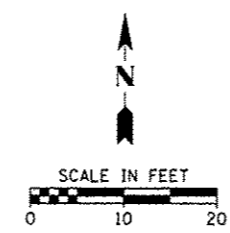
HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM

LEGEND	
	EXISTING RIGHT-OF-WAY
	CURB & SIDEWALK REMOVAL
	CLASS C PATCHES

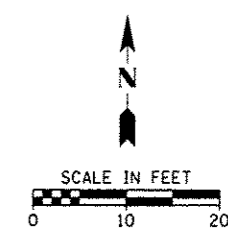
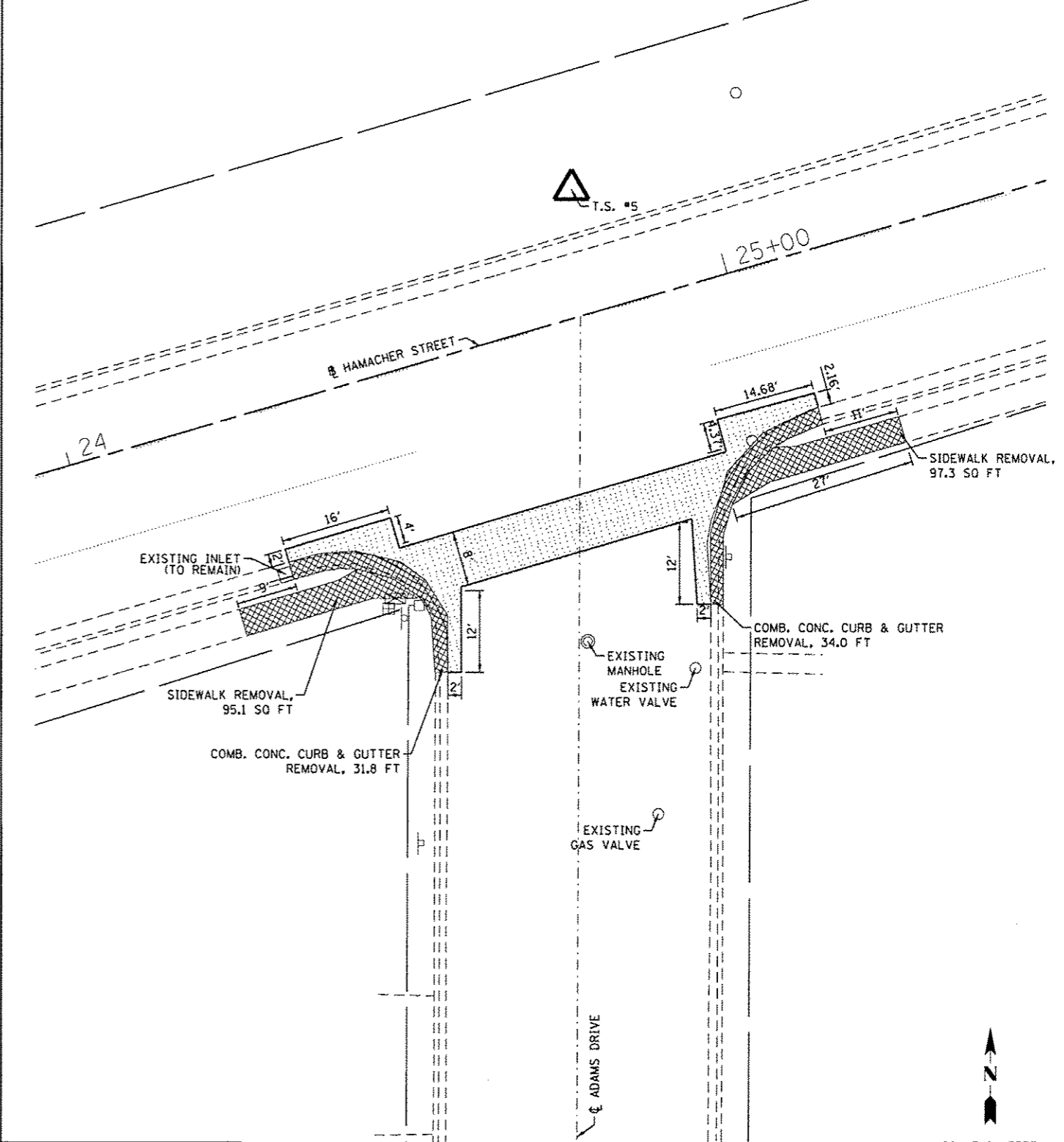


TRAVERSE STATION #4  
 ELEVATION = 691.182  
 STA = 21+39.07, OFF = 17.28' LT  
 N = 610092.052, E = 2303483.241

FILE NAME =	USER NAME = pncodr	DESIGNED =	REVISED =
H:\7173\100STPFY2016\CAD05\Sheet\7173-SH	.INT REM.HAM 1.dgn	DRAWN =	REVISED =
HMG JOB NO. 7173	PLT SCALE = 10.0003 1/16"	CHECKED =	REVISED =
	PLT DATE = 2/1/2016	DATE =	REVISED =



TRAVERSE STATION #5  
 ELEVATION = 687.879  
 STA = 24+81.69, OFF = 18.27' LT  
 N = 610187.093, E = 2303811.725



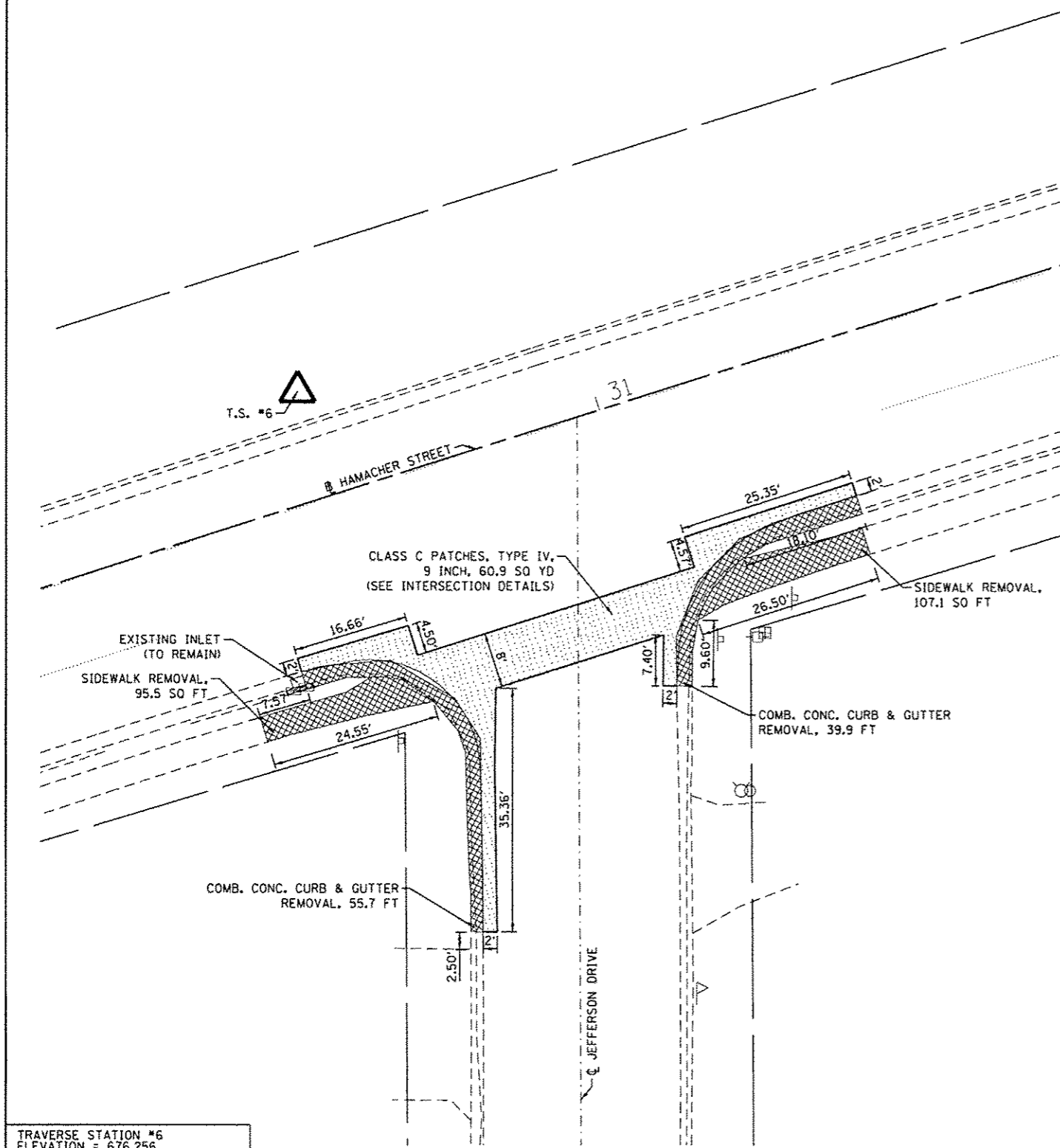
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INTERSECTION REMOVAL DETAIL  
 HAMACHER STREET  
 SCALE: 1" = 10' SHEET 1 OF 2 SHEETS STA. TO STA.

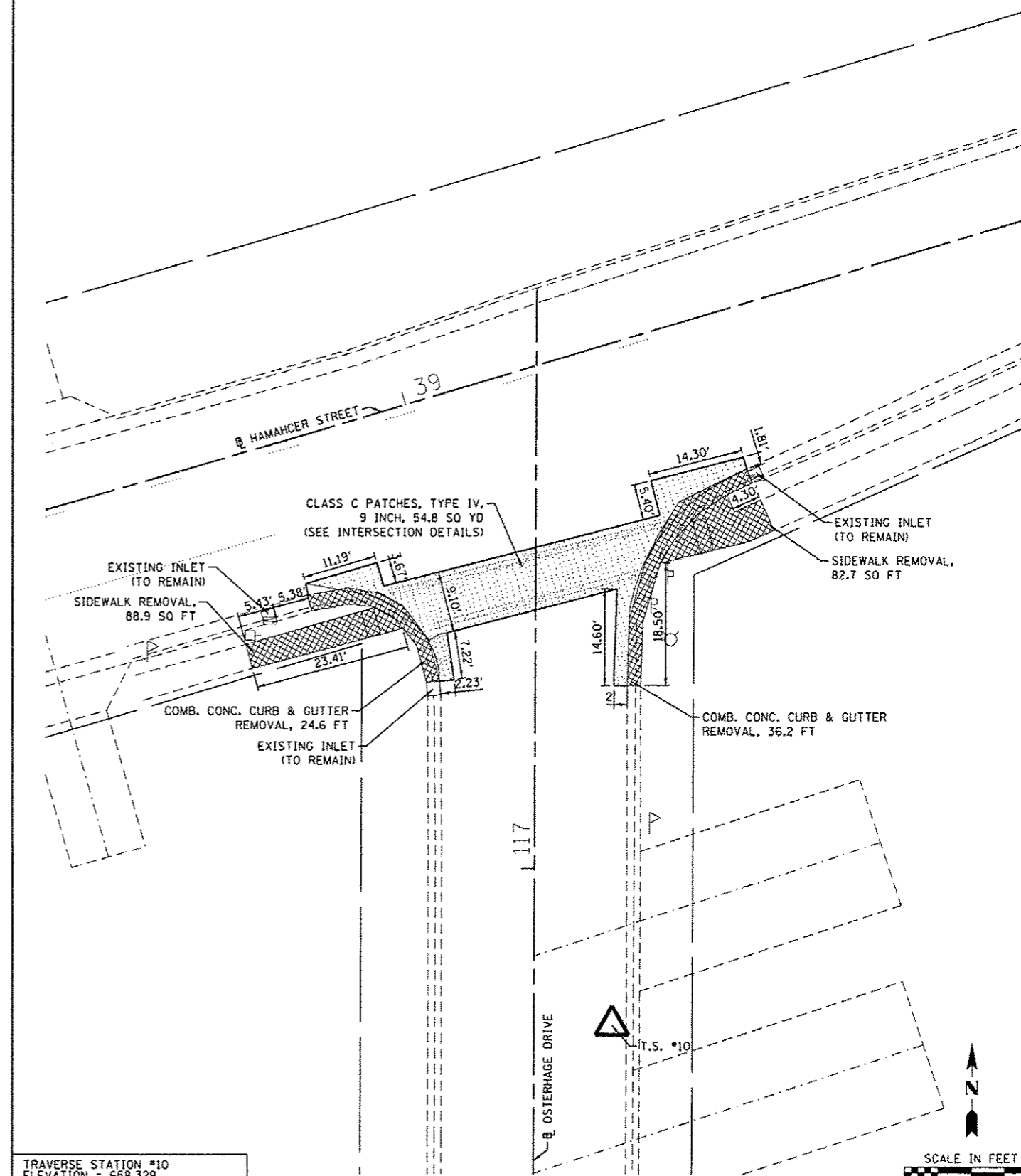
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	23
CONTRACT NO. 97615				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- EXISTING RIGHT-OF-WAY
- ▨ CURB & SIDEWALK REMOVAL
- ▤ CLASS C PATCHES



TRAVERSE STATION #6  
 ELEVATION = 676.258  
 STA = 30+59.32, OFF = 15.73' LT  
 N = 610357.893, E = 2304363.029



TRAVERSE STATION #10  
 ELEVATION = 658.329  
 STA = 116+76.43, OFF = 11.79' RT  
 N = 610481.259, E = 2305206.801

FILE NAME	USER NAME	DESIGNED	REVISED
INT REM_HAM 2.dgn	p.poodar	-	-
HMC JOB NO. 7173		DRAWN	REVISED
		-	-
		CHECKED	REVISED
		-	-
		DATE	REVISED
		-	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION REMOVAL DETAIL  
 HAMACHER STREET**

SCALE: 1" = 10' SHEET 2 OF 2 SHEETS STA. TO STA.

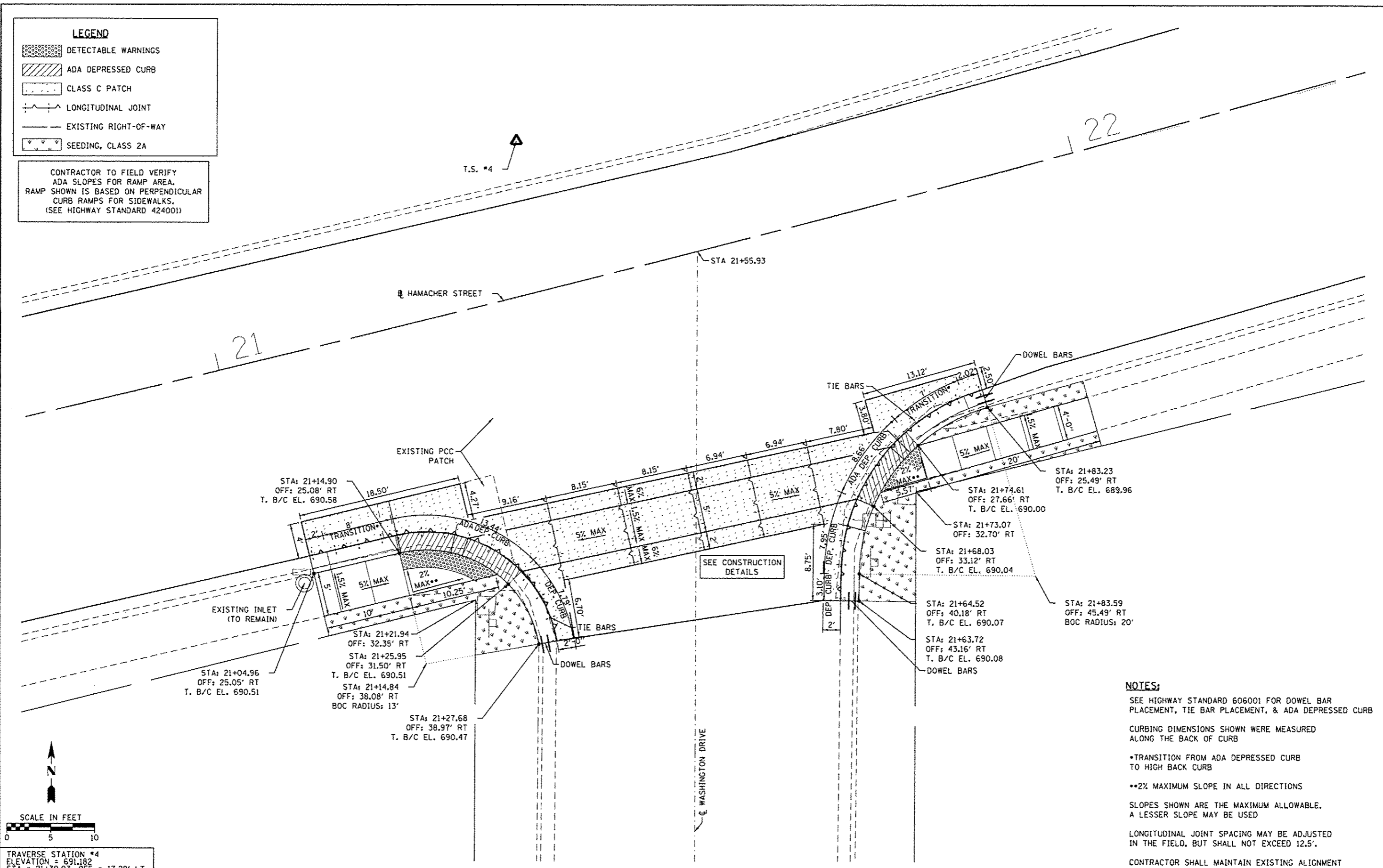
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-R5	MONROE	37	24
CONTRACT NO. 97615			ILLINOIS FED. AID PROJECT	



**LEGEND**

- DETECTABLE WARNINGS
- ADA DEPRESSED CURB
- CLASS C PATCH
- LONGITUDINAL JOINT
- EXISTING RIGHT-OF-WAY
- SEEDING, CLASS 2A

CONTRACTOR TO FIELD VERIFY ADA SLOPES FOR RAMP AREA. RAMP SHOWN IS BASED ON PERPENDICULAR CURB RAMPS FOR SIDEWALKS. (SEE HIGHWAY STANDARD 424001)



SEE CONSTRUCTION DETAILS

- NOTES:**
- SEE HIGHWAY STANDARD 606001 FOR DOWEL BAR PLACEMENT, TIE BAR PLACEMENT, & ADA DEPRESSED CURB
  - CURBING DIMENSIONS SHOWN WERE MEASURED ALONG THE BACK OF CURB
  - TRANSITION FROM ADA DEPRESSED CURB TO HIGH BACK CURB
  - 2% MAXIMUM SLOPE IN ALL DIRECTIONS
  - SLOPES SHOWN ARE THE MAXIMUM ALLOWABLE, A LESSER SLOPE MAY BE USED
  - LONGITUDINAL JOINT SPACING MAY BE ADJUSTED IN THE FIELD, BUT SHALL NOT EXCEED 12.5'.
  - CONTRACTOR SHALL MAINTAIN EXISTING ALIGNMENT OF ROADWAY CROWN.

TRAVERSE STATION #4  
 ELEVATION = 691.182  
 STA = 21+39.07, OFF = 17.28' LT  
 N = 610092.052, E = 2303483.241

FILE NAME	USER NAME	DESIGNED	REVISED
H:\7173\10051PF\2016\CAD\Drawings\7173-SH	prae	DRAWN	REVISED
HMC JOB NO. 7173	PLOT SCALE = 5.8016 1/4" = 1'	CHECKED	REVISED
	PLOT DATE = 2/1/2016	DATE	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL  
 HAMACHER STREET & WASHINGTON DRIVE**

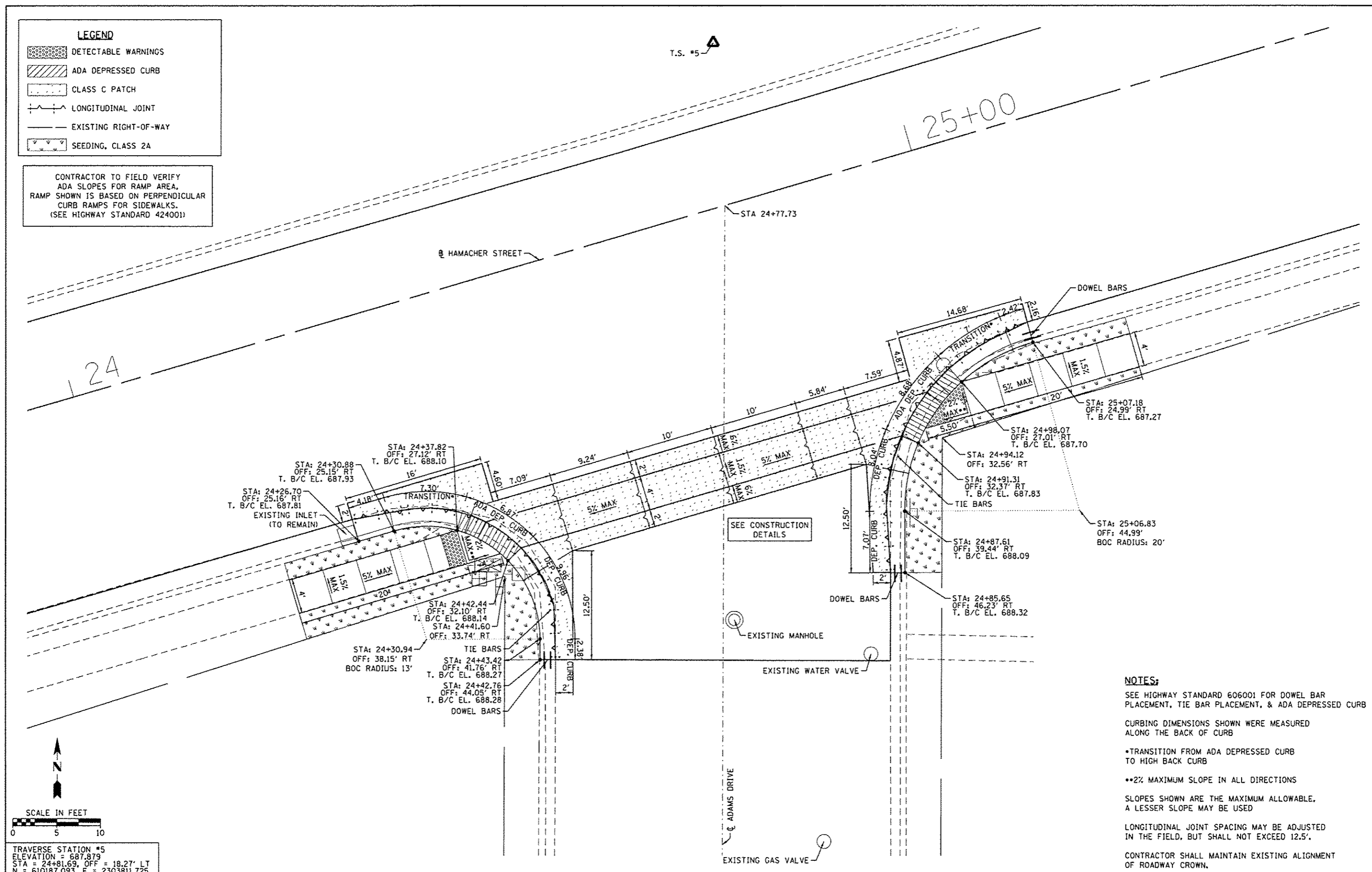
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	25
			CONTRACT NO. 97615	
ILLINOIS FED. AID PROJECT				

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM

**LEGEND**

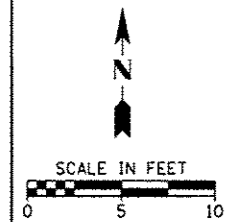
	DETECTABLE WARNINGS
	ADA DEPRESSED CURB
	CLASS C PATCH
	LONGITUDINAL JOINT
	EXISTING RIGHT-OF-WAY
	SEEDING, CLASS 2A

CONTRACTOR TO FIELD VERIFY ADA SLOPES FOR RAMP AREA. RAMP SHOWN IS BASED ON PERPENDICULAR CURB RAMPS FOR SIDEWALKS. (SEE HIGHWAY STANDARD 424001)



SEE CONSTRUCTION DETAILS

- NOTES:**
- SEE HIGHWAY STANDARD 606001 FOR DOWEL BAR PLACEMENT, TIE BAR PLACEMENT, & ADA DEPRESSED CURB
  - CURBING DIMENSIONS SHOWN WERE MEASURED ALONG THE BACK OF CURB
  - TRANSITION FROM ADA DEPRESSED CURB TO HIGH BACK CURB
  - 2% MAXIMUM SLOPE IN ALL DIRECTIONS
  - SLOPES SHOWN ARE THE MAXIMUM ALLOWABLE. A LESSER SLOPE MAY BE USED
  - LONGITUDINAL JOINT SPACING MAY BE ADJUSTED IN THE FIELD, BUT SHALL NOT EXCEED 12.5'.
  - CONTRACTOR SHALL MAINTAIN EXISTING ALIGNMENT OF ROADWAY CROWN.



TRAVERSE STATION #5  
 ELEVATION = 687.879  
 STA = 24+81.69, OFF = 18.27' LT  
 N = 610187.093, E = 2303811.725

FILE NAME =	USER NAME = pmaador	DESIGNED -	REVISED -
H:\7173\1005\TPF\2016\CADD\Sheets\7173-SH	.INT ADAMS.dgn	DRAWN -	REVISED -
HMG JOB NO. 7173	PLOT SCALE = 5.8916 1/16"	CHECKED -	REVISED -
	PLOT DATE = 2/11/2016	DATE -	REVISED -







STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL	
HAMACHER STREET & ADAMS DRIVE	
SCALE: 1" = 5'	SHEET 2 OF 4 SHEETS
STA.	TO STA.

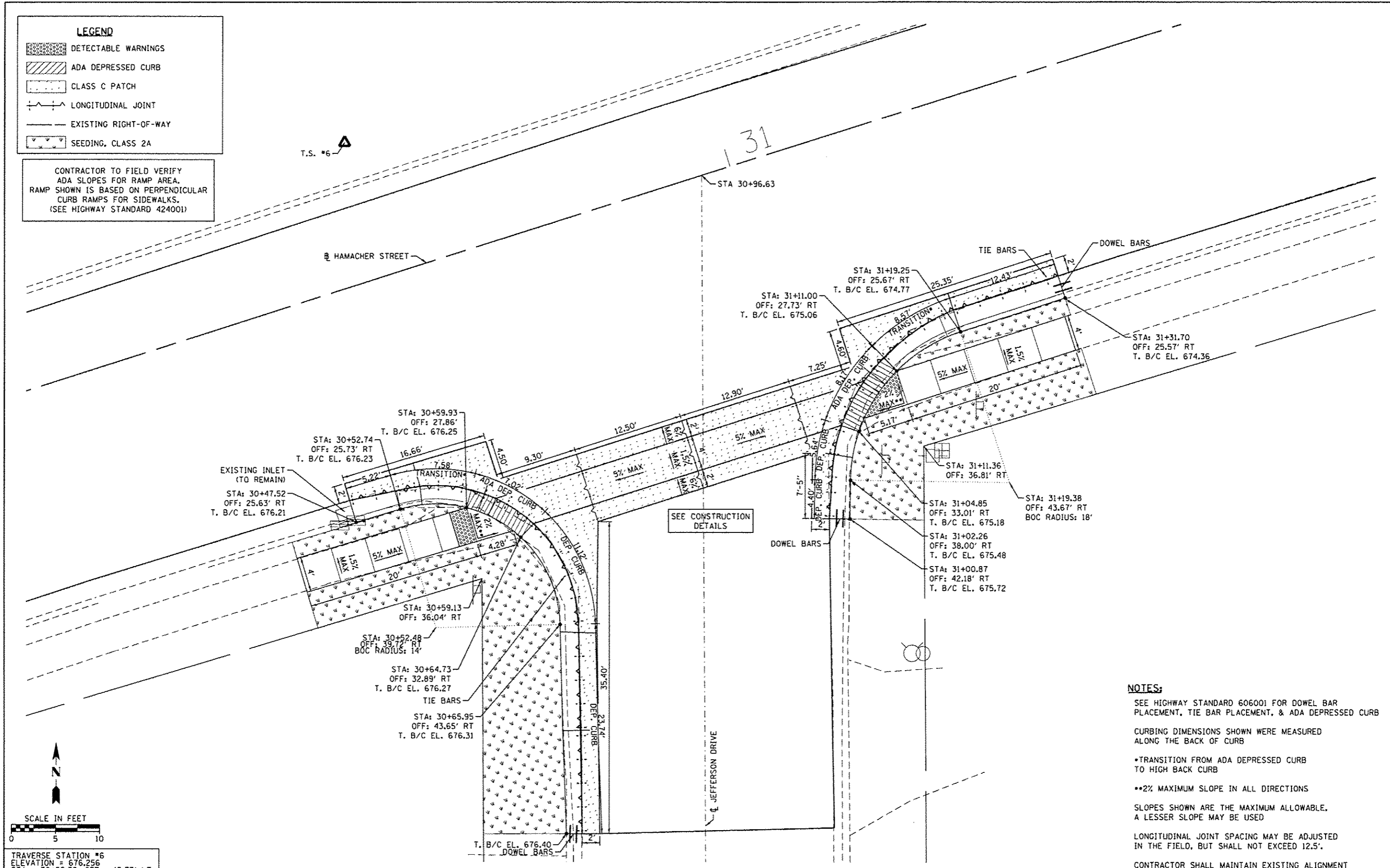
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VAR.	14-00046-00-RS	MONROE	37	26
CONTRACT NO. 97615			ILLINOIS FED. AID PROJECT	

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM

**LEGEND**

-  DETECTABLE WARNINGS
-  ADA DEPRESSED CURB
-  CLASS C PATCH
-  LONGITUDINAL JOINT
-  EXISTING RIGHT-OF-WAY
-  SEEDING, CLASS 2A

CONTRACTOR TO FIELD VERIFY  
ADA SLOPES FOR RAMP AREA.  
RAMP SHOWN IS BASED ON PERPENDICULAR  
CURB RAMPS FOR SIDEWALKS.  
(SEE HIGHWAY STANDARD 424001)



**NOTES:**

- SEE HIGHWAY STANDARD 606001 FOR DOWEL BAR PLACEMENT, TIE BAR PLACEMENT, & ADA DEPRESSED CURB
- CURBING DIMENSIONS SHOWN WERE MEASURED ALONG THE BACK OF CURB
- \*TRANSITION FROM ADA DEPRESSED CURB TO HIGH BACK CURB
- \*\*2% MAXIMUM SLOPE IN ALL DIRECTIONS
- SLOPES SHOWN ARE THE MAXIMUM ALLOWABLE. A LESSER SLOPE MAY BE USED
- LONGITUDINAL JOINT SPACING MAY BE ADJUSTED IN THE FIELD, BUT SHALL NOT EXCEED 12.5'.
- CONTRACTOR SHALL MAINTAIN EXISTING ALIGNMENT OF ROADWAY CROWN.

TRAVERSE STATION #6  
ELEVATION = 676.256  
STA = 30+59.32, OFF = 15.73' LT  
N = 610357.893, E = 2304363.029

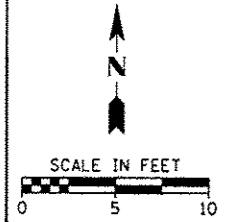
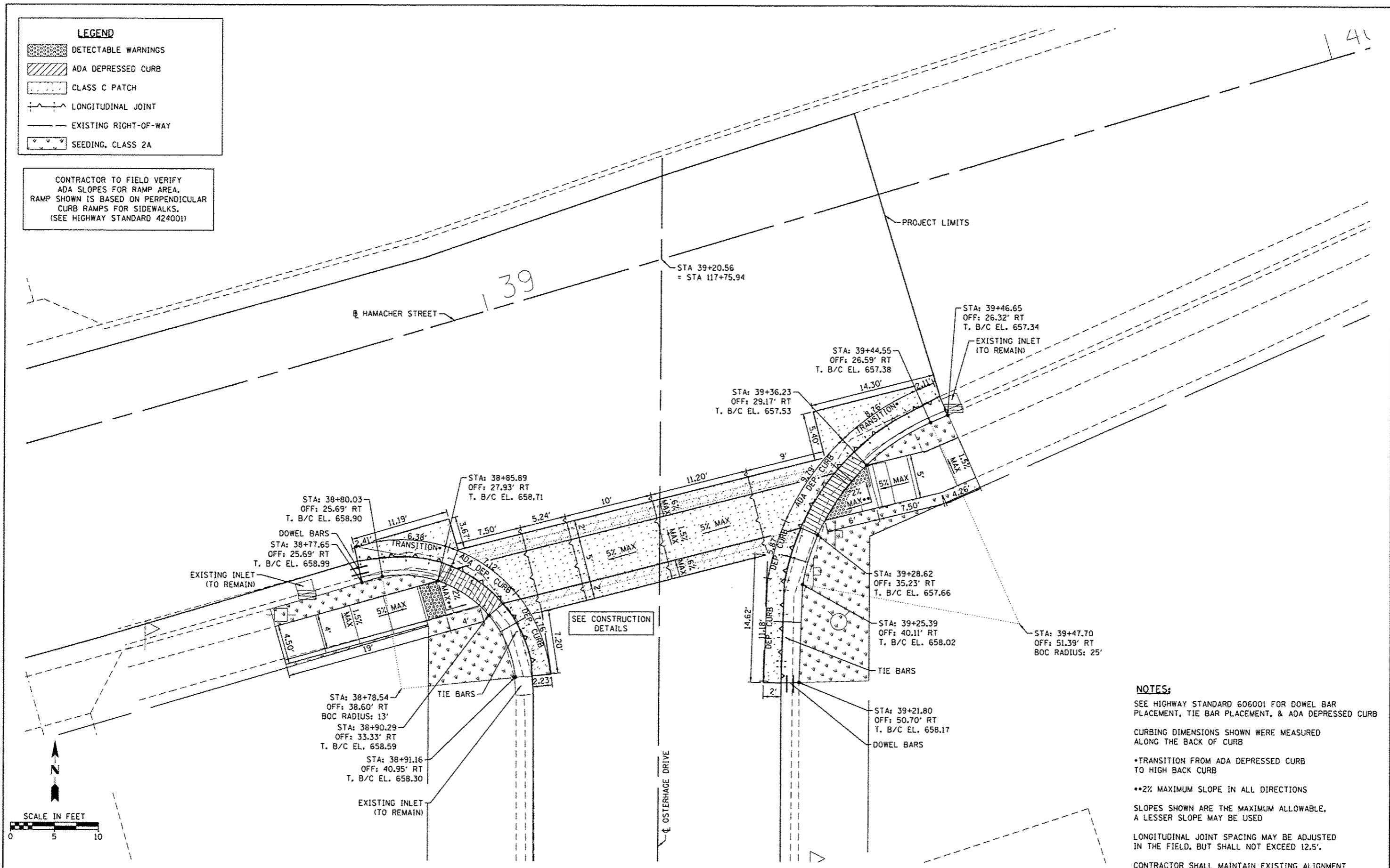
FILE NAME : H:\7173\10051PF\Y2016\CA005\Sheets\7173-SH	USER NAME : pnoador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERSECTION DETAIL HAMACHER STREET &amp; JEFFERSON DRIVE</b>	F.A.U. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HMG JOB NO. 7173	PLT SCALE = 5/8" = 1' @	DRAWN -	REVISED -			VAR.	14-00046-00-RS	MONROE	37	27	
	PLT DATE = 2/1/2016	CHECKED -	REVISED -			SCALE: 1" = 5'	SHEET 3 OF 4 SHEETS	STA.	TO STA.		CONTRACT NO. 97615
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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**LEGEND**

	DETECTABLE WARNINGS
	ADA DEPRESSED CURB
	CLASS C PATCH
	LONGITUDINAL JOINT
	EXISTING RIGHT-OF-WAY
	SEEDING, CLASS 2A

CONTRACTOR TO FIELD VERIFY  
 ADA SLOPES FOR RAMP AREA.  
 RAMP SHOWN IS BASED ON PERPENDICULAR  
 CURB RAMPS FOR SIDEWALKS.  
 (SEE HIGHWAY STANDARD 424001)



SEE CONSTRUCTION  
 DETAILS

- NOTES:**
- SEE HIGHWAY STANDARD 606001 FOR DOWEL BAR PLACEMENT, TIE BAR PLACEMENT, & ADA DEPRESSED CURB
  - CURBING DIMENSIONS SHOWN WERE MEASURED ALONG THE BACK OF CURB
  - \*TRANSITION FROM ADA DEPRESSED CURB TO HIGH BACK CURB
  - \*\*2% MAXIMUM SLOPE IN ALL DIRECTIONS
  - SLOPES SHOWN ARE THE MAXIMUM ALLOWABLE, A LESSER SLOPE MAY BE USED
  - LONGITUDINAL JOINT SPACING MAY BE ADJUSTED IN THE FIELD, BUT SHALL NOT EXCEED 12.5'.
  - CONTRACTOR SHALL MAINTAIN EXISTING ALIGNMENT OF ROADWAY CROWN.

FILE NAME =	USER NAME = pmeador	DESIGNED -	REVISED -
HA\7173\10051PF\2016\CA005\Sheet\7173-SH	.INT OSTERHAGE.dgn	DRAWN -	REVISED -
HMG JOB NO. 7173	PLOT SCALE = 5/8" = 1'	CHECKED -	REVISED -
	PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

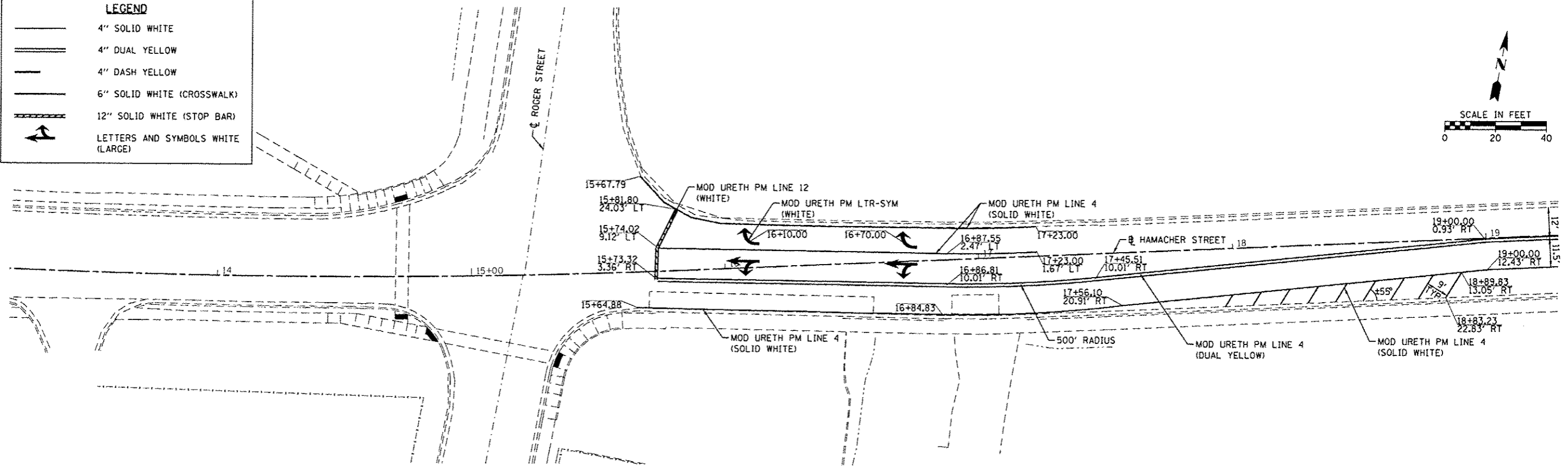
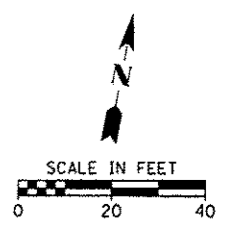
**INTERSECTION DETAIL  
 HAMACHER STREET & OSTERHAGE DRIVE**

SCALE: 1" = 5'    SHEET 4 OF 4 SHEETS    STA.    TO STA.

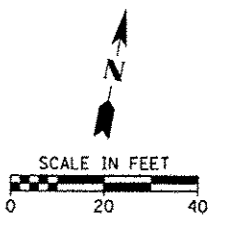
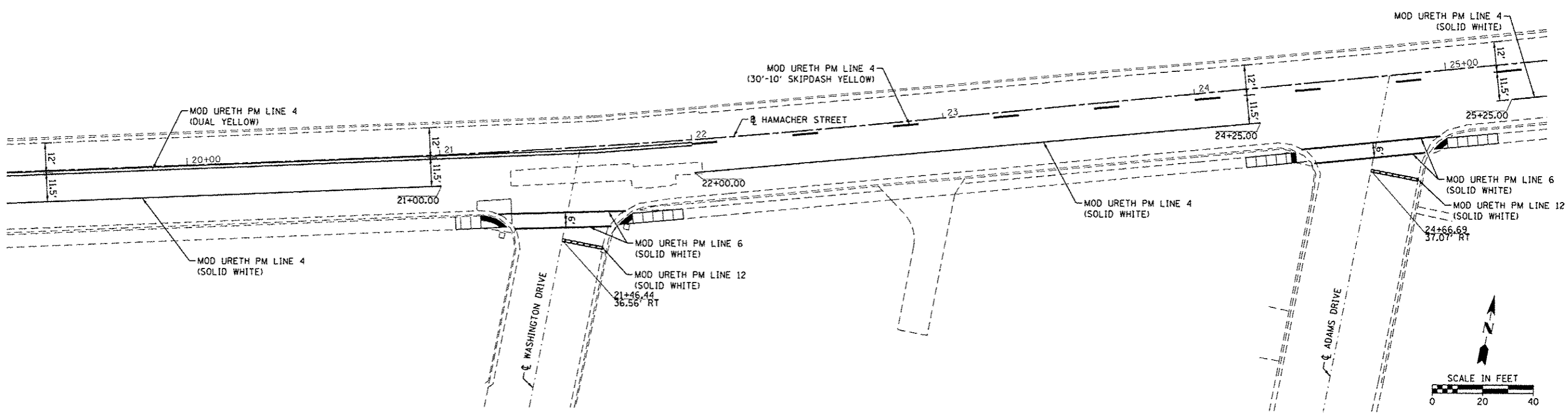
F.A.U. RTE. VAR.	SECTION 14-00046-00-RS	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 28
			CONTRACT NO. 97615	
ILLINOIS FED. AID PROJECT				

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM

LEGEND	
	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)



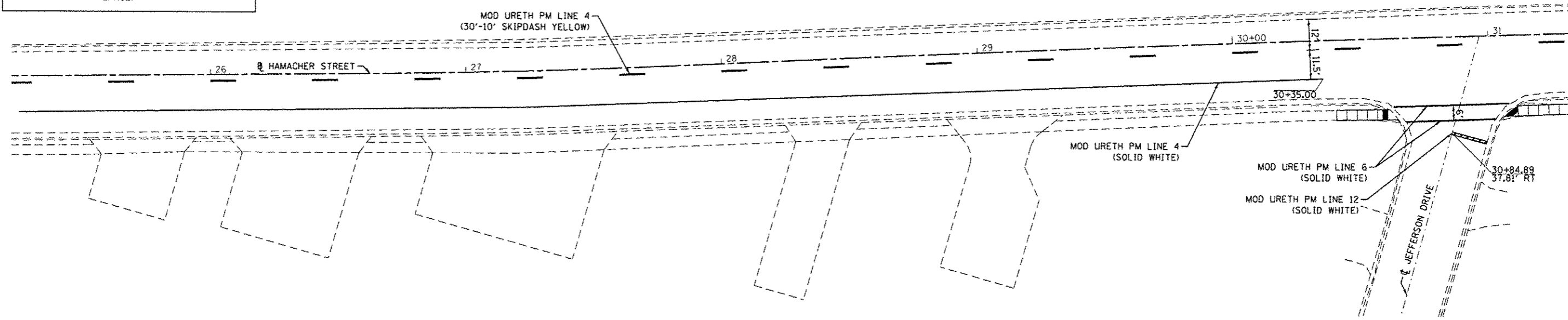
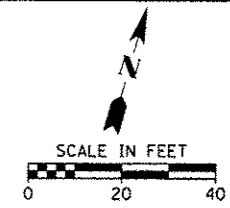
NOTE:  
STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
MARKINGS.



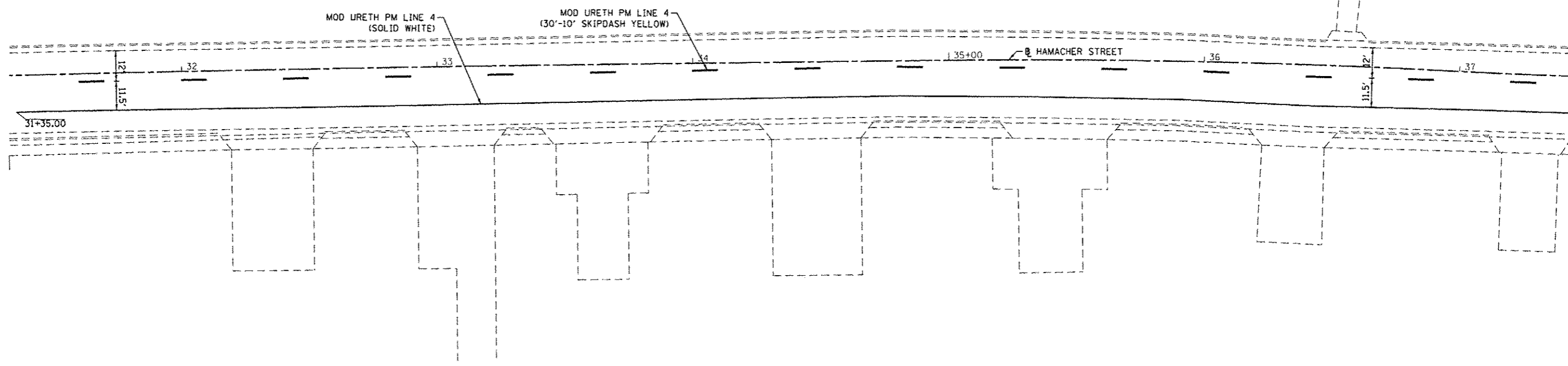
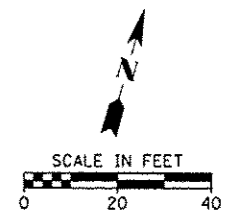
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Default	PLT SCALE = 28.0000' / in.	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 7 SHEETS	STA.	TO STA.	14-00046-00-RS	MONROE	37	29
	PLT DATE = 2/1/2016	CHECKED -	REVISED -									
		DATE -	REVISED -									
							CONTRACT NO. 97615		ILLINOIS FED. AID PROJECT			

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM

LEGEND	
	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)

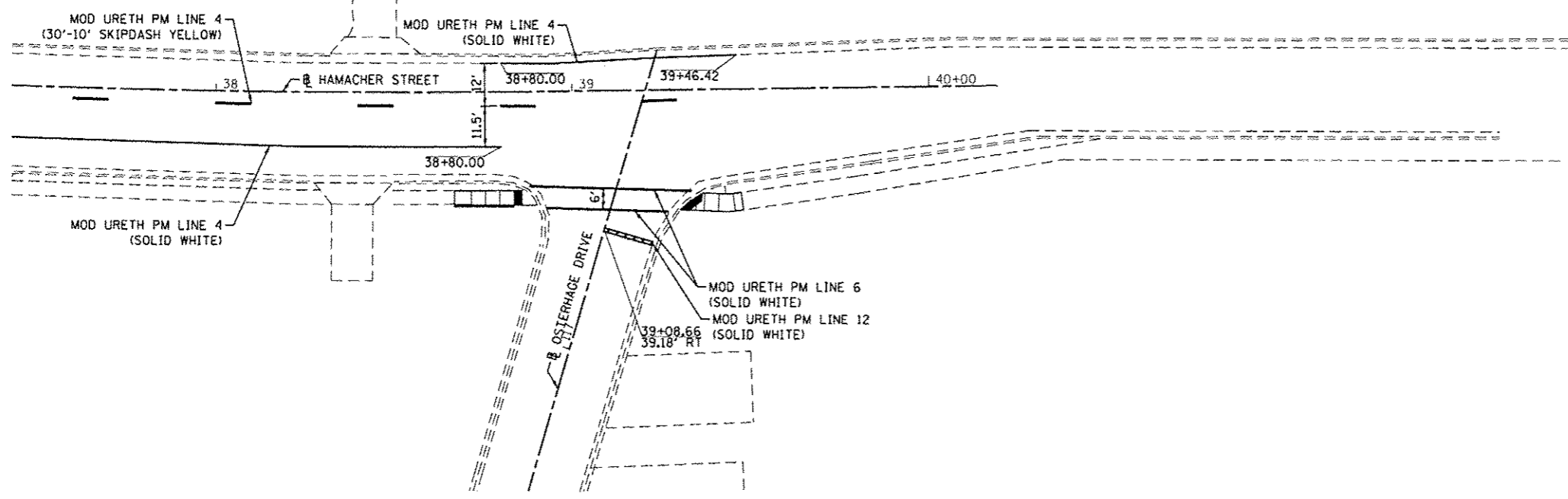
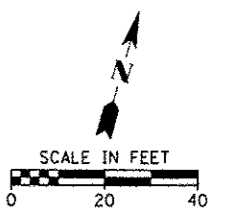


NOTE:  
STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
MARKINGS.



FILE NAME M:\7173M\10051PFY2016\CADD\Sheets\7173-SH	USER NAME pmeodor	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN HAMACHER STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PMK_HAM_2.dgn	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET 2	OF 7 SHEETS	STA.	TO STA.	MONROE	37	30
	PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -							CONTRACT NO.	97615	
	PLOT DATE = 2/1/2016	DATE -	REVISED -							ILLINOIS FED. AID PROJECT		

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM

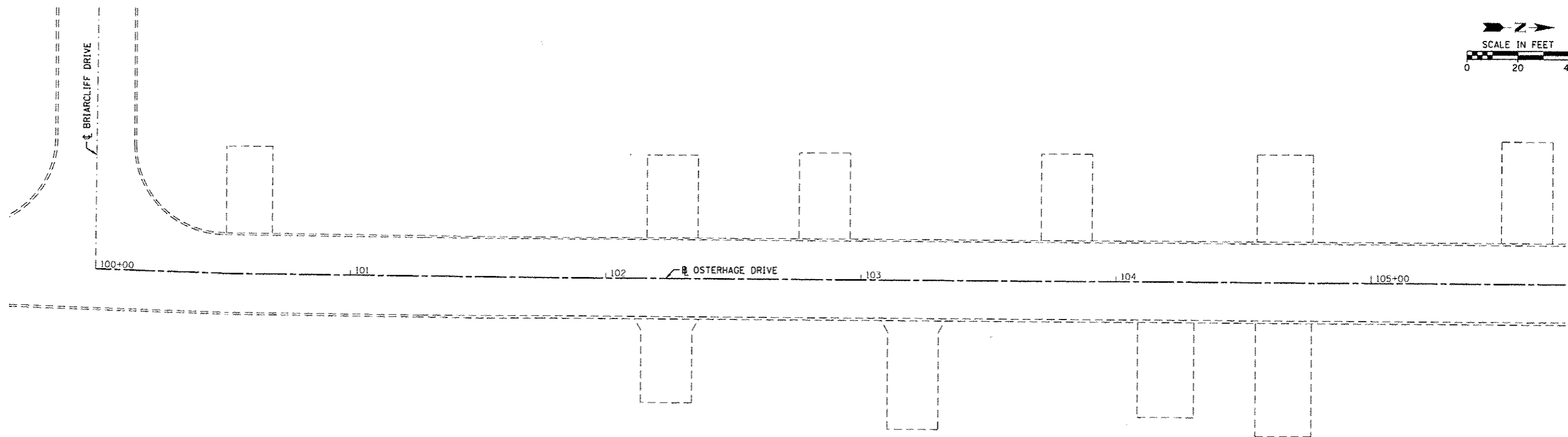


LEGEND	
	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)

NOTE:  
 STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
 BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
 MARKINGS.

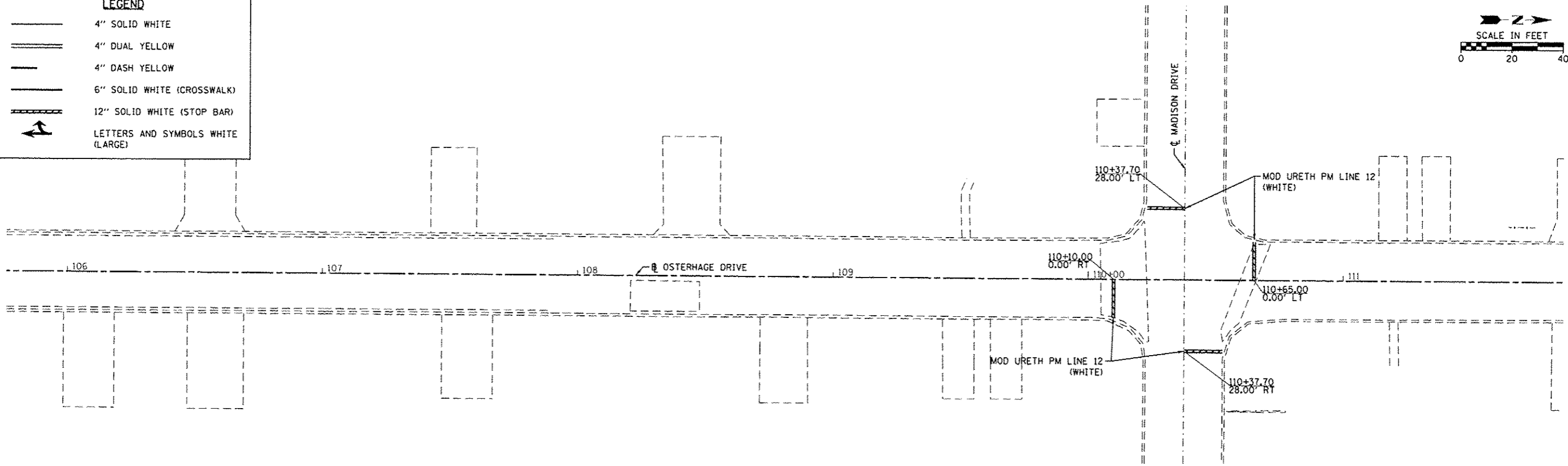
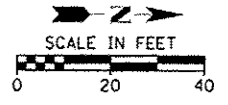
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	.PMK.HAM.3.dgn	DRAWN -	REVISED -			VAR.	14-00046-00-RS	MONROE	37	31	
	PLOT SCALE : 20.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 97615					
Default	PLOT DATE : 2/12/2016	DATE -	REVISED -			SCALE: 1" = 20'		SHEET 3 OF 7 SHEETS		STA. TO STA.	

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NOTE:  
STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
MARKINGS.

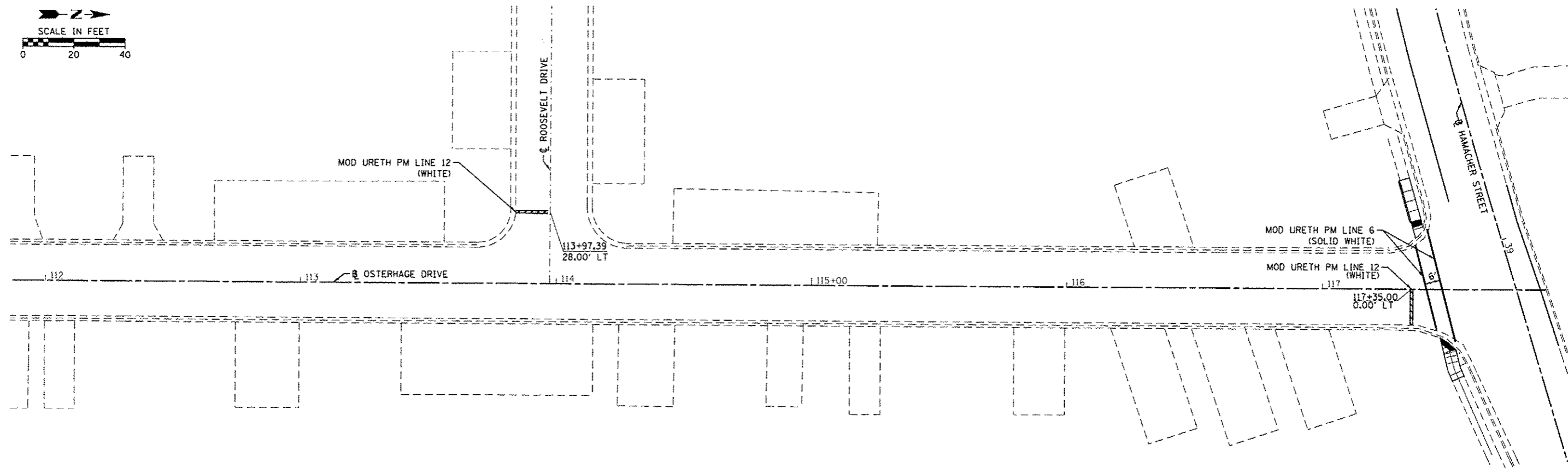
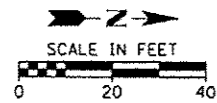
LEGEND	
	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)



FILE NAME >	USER NAME > pmsador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN OSTERHAGE DRIVE</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -										
Default	PLOT DATE = 2/1/2016	DATE -	REVISED -										
											CONTRACT NO. 97615		
ILLINOIS FED. AID PROJECT													

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LEGEND	
	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)

NOTE:  
STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
MARKINGS.

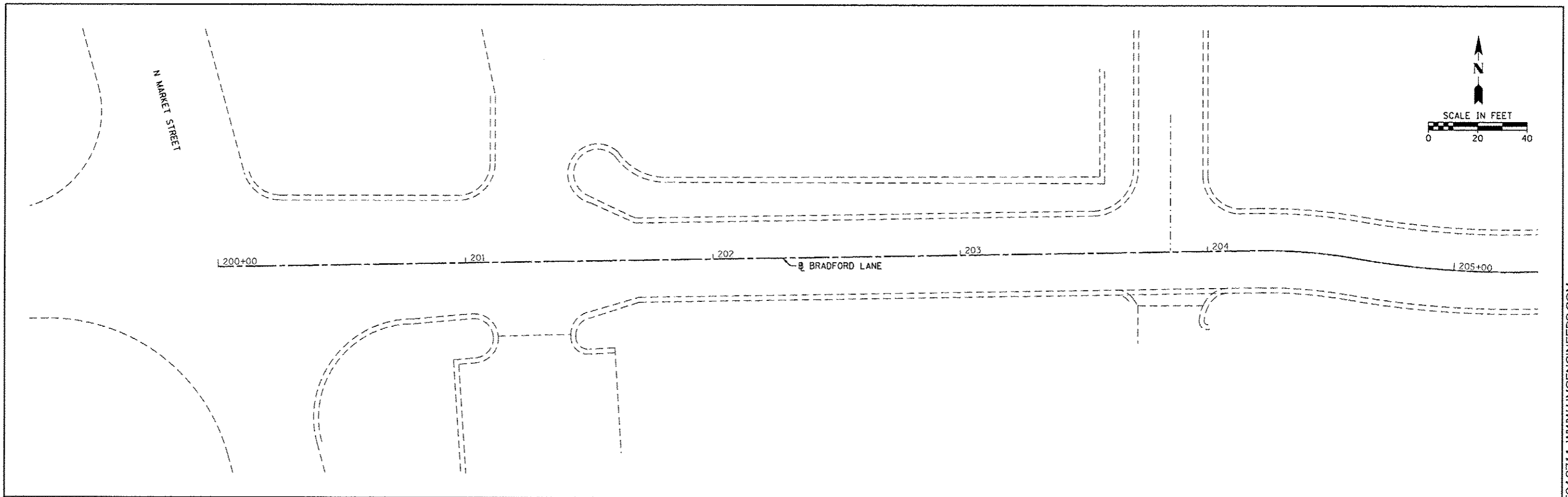
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Default	PLOT DATE = 2/11/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
OSTERHAGE DRIVE**

SCALE: 1" = 20'	SHEET 5 OF 7 SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				VAR.	14-00046-00-RS	MONROE	37	33
							CONTRACT NO. 97615	
ILLINOIS FED. AID PROJECT								

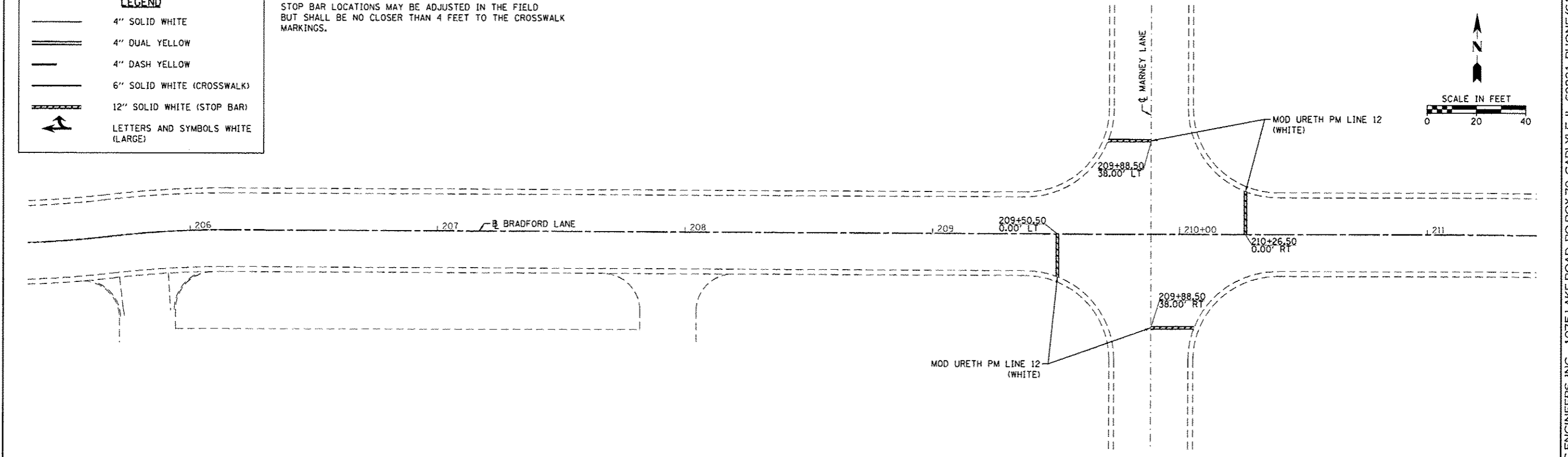
HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM



**LEGEND**

	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)

NOTE:  
STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
MARKINGS.



FILE NAME =	USER NAME = pmaador	DESIGNED -	REVISED -
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Default	PLOT DATE = 2/1/2016	DATE -	REVISED -

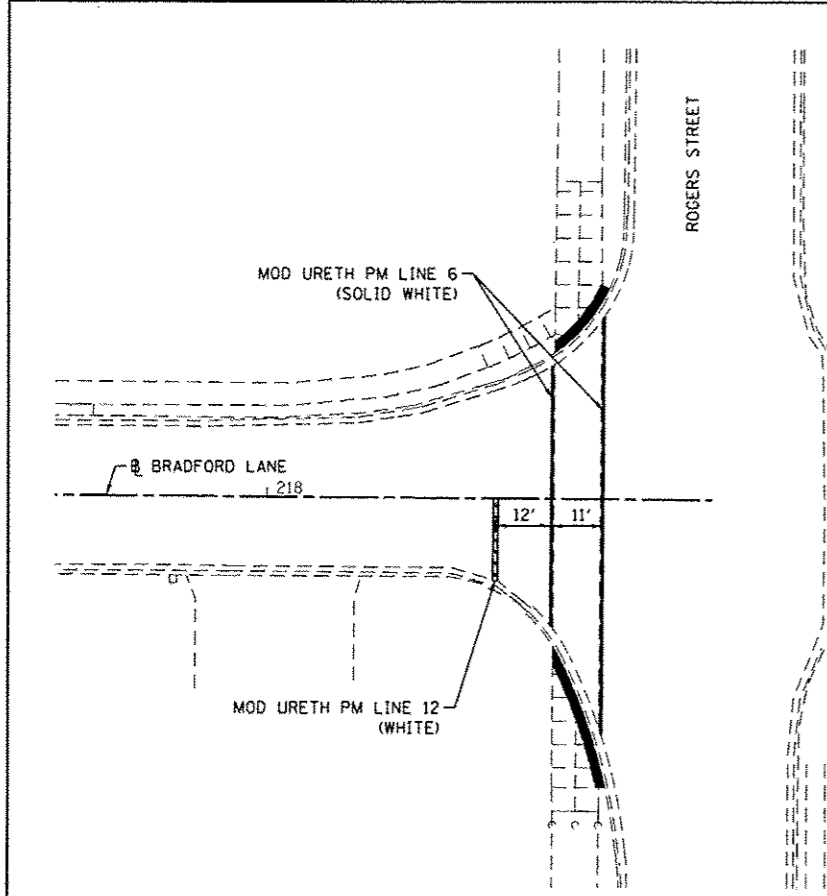
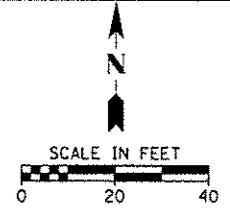
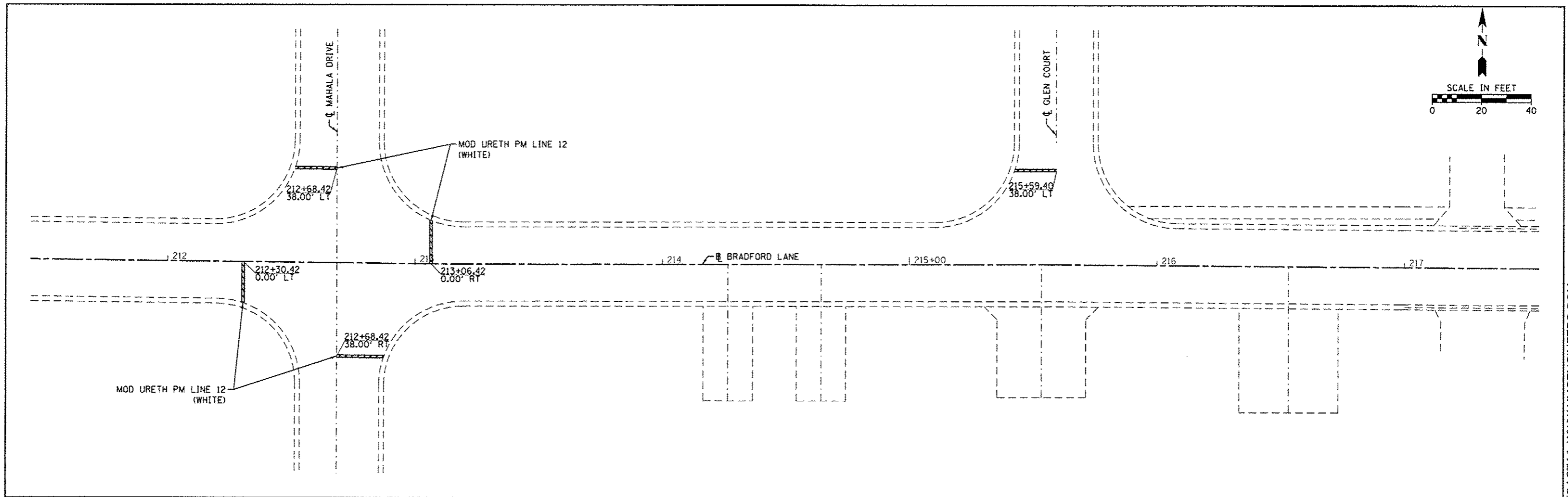
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
BRADFORD LANE**

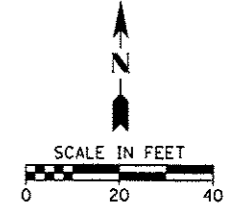
SCALE: 1" = 20'    SHEET 6 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97615	

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM



NOTE:  
STOP BAR LOCATIONS MAY BE ADJUSTED IN THE FIELD  
BUT SHALL BE NO CLOSER THAN 4 FEET TO THE CROSSWALK  
MARKINGS.



**LEGEND**

	4" SOLID WHITE
	4" DUAL YELLOW
	4" DASH YELLOW
	6" SOLID WHITE (CROSSWALK)
	12" SOLID WHITE (STOP BAR)
	LETTERS AND SYMBOLS WHITE (LARGE)

FILE NAME =	USER NAME = pmeador	DESIGNED -	REVISED -
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Default	PLOT SCALE = 20,0000 / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2016	DATE -	REVISED -

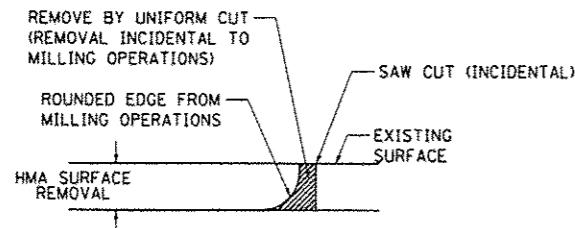
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN**  
**BRADFORD LANE**

SCALE: 1" = 20' SHEET 7 OF 7 SHEETS STA. TO STA.

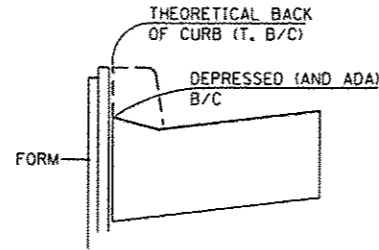
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	14-00046-00-RS	MONROE	37	35
CONTRACT NO. 97615				
ILLINOIS FED. AID PROJECT				

HMG ENGINEERS, INC., 1075 LAKE ROAD, PO BOX 70, CARLYLE, IL 62231 PHONE (618) 594-3711 WWW.HMGENGINEERS.COM



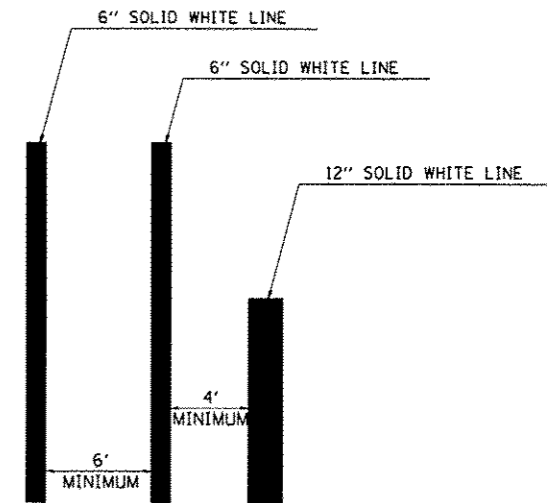
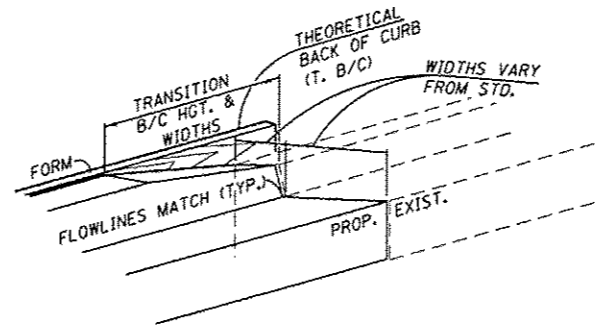
NOTE:  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

**BUTT JOINT DETAIL**  
(NOT TO SCALE)



**CURB LAYOUT DETAILS**  
(NOT TO SCALE)

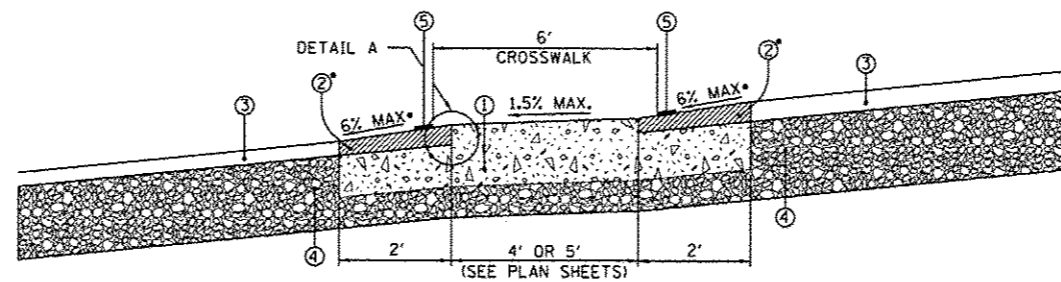
TWO (2) 1.5" DIAMETER EPOXY-COATED DOWEL BARS, 18" LONG SHALL BE PLACED INTO HOLES DRILLED INTO THE FACES OF ALL EXISTING CURB AND GUTTER MID-DEPTH OF THE GUTTER PAN AND SECURED WITH IDOT APPROVED CHEMICAL ADHESIVE SO AS TO REDUCE THE POTENTIAL FOR VERTICAL DISPLACEMENTS AT THESE JOINTS.



**CROSSWALK DETAIL**  
(NOT TO SCALE)

**PATCHING LEGEND**

- ① CLASS C PATCHES, OF THE TYPE SPECIFIED, 9 INCH
- ② TEMPORARY RAMP\*
- ③ EXISTING HOT-MIX ASPHALT PAVEMENT
- ④ EXISTING AGGREGATE BASE COURSE
- ⑤ WHITE THERMOPLASTIC PAVEMENT MARKING, 6"
- ⑥ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- ⑦ TIE BAR

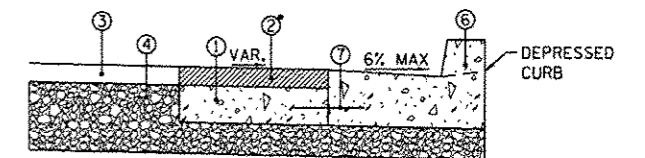


**PROPOSED CROSSWALK PATCH DETAIL**  
(NOT TO SCALE)

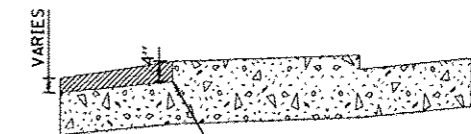
NOTE:

LONGITUDINAL SLOPE OF CROSSWALK SHALL NOT EXCEED 5.0%.

\* TEMPORARY RAMPS ASSOCIATED WITH CLASS C PATCHES SHALL HAVE A MAXIMUM OF 6.0% SLOPE AND SHALL BE OF THE SAME MATERIAL AS THE LEVELING BINDER. THE TEMPORARY RAMP SHALL BE PLACED THE FULL 2FT WIDTH, AS SHOWN ABOVE.



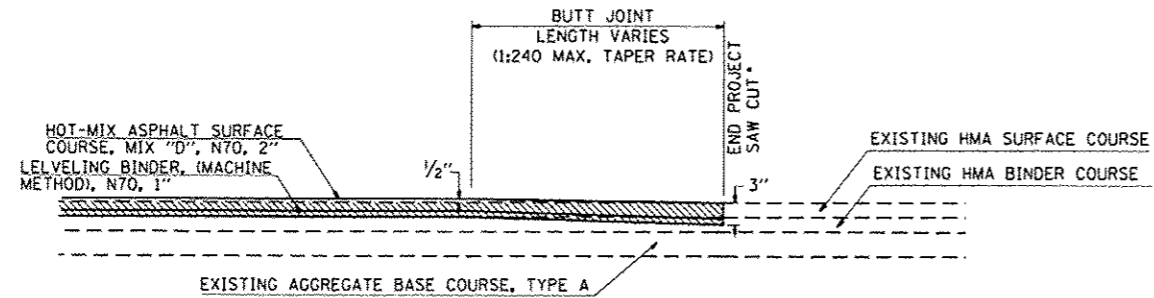
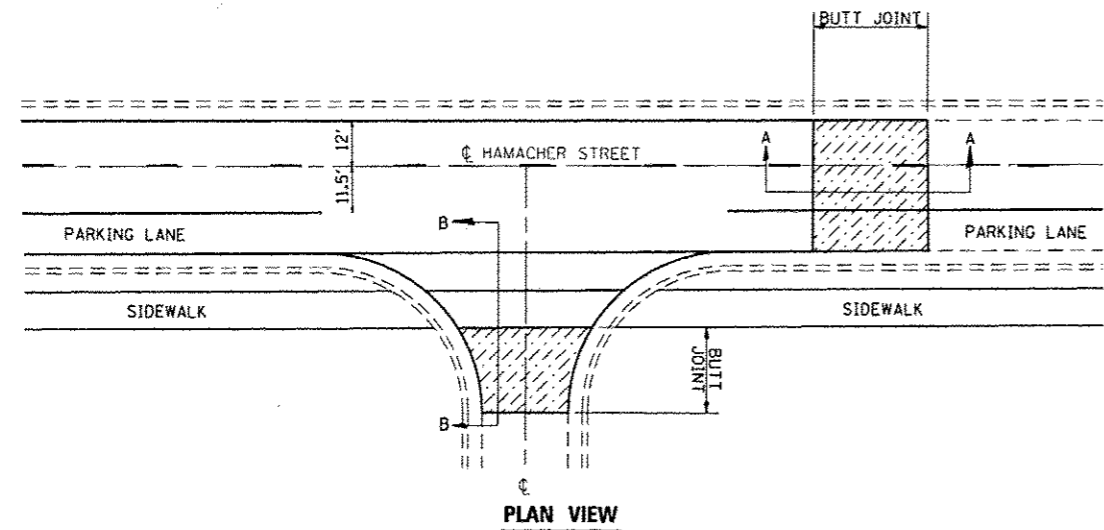
**PROPOSED CURB PATCH DETAIL**  
(NOT TO SCALE)



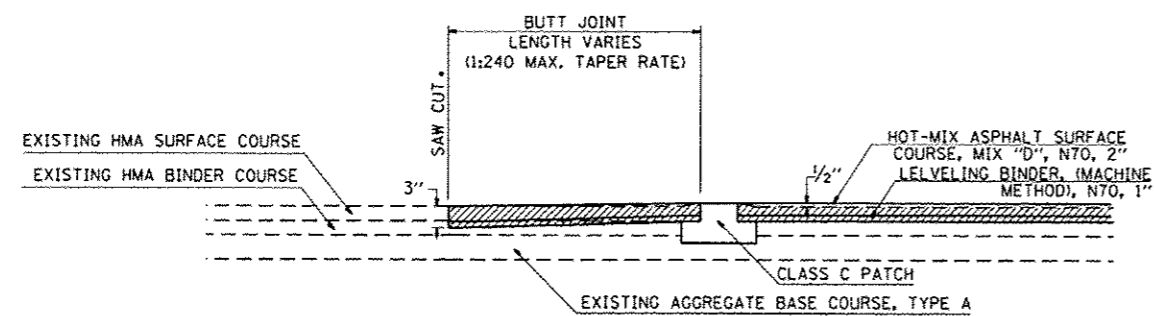
**DETAIL A**  
(NOT TO SCALE)

CONCRETE CROSSWALKS AND TRANSITION AREAS MAY BE POURED TOGETHER USING GRADE PINS OR IN SEPARATE POURS, HOWEVER A CLEAN FACE SHALL BE ACHIEVED.

FILE NAME =	USER NAME = pmaador	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CONSTRUCTION DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
H:\7173\1005TPFY2016\CADD\Sheets\7173-SHT	.CONST DETAIL.S.dgn	DRAWN -	REVISED -			VAR.	14-00046-00-RS	MONROE	37	36	
HMG JOB NO. 7173	PLOT SCALE = 10.0033" / in.	CHECKED -	REVISED -			SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 97615	
	PLOT DATE = 2/1/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



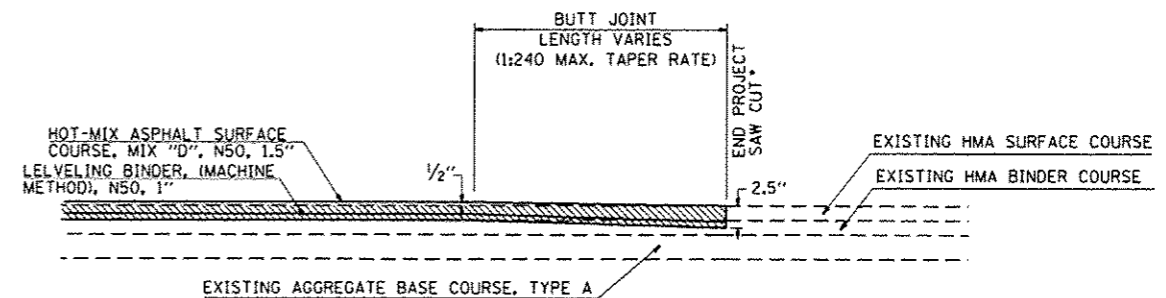
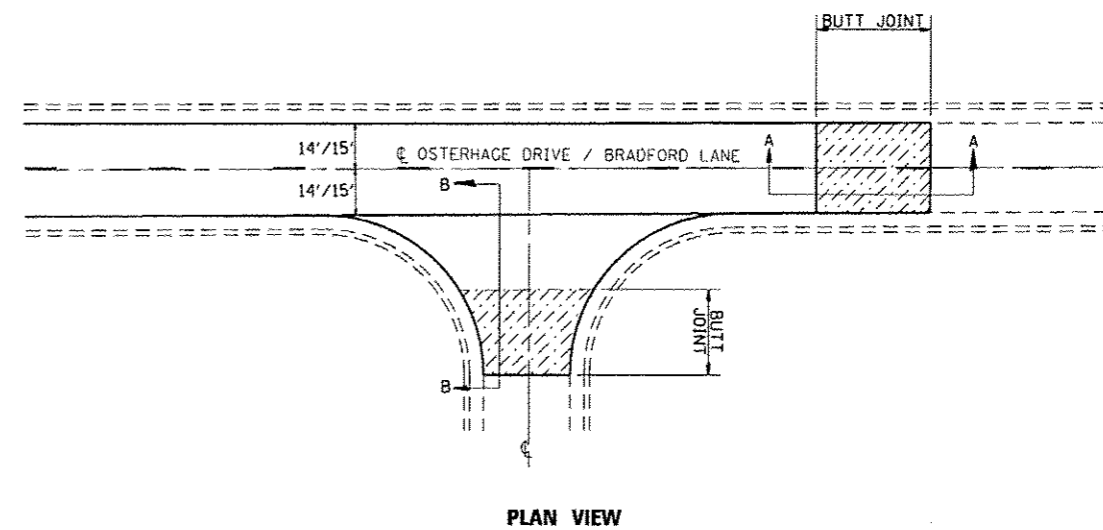
**SECTION A-A**  
MAINLINE BUTT JOINT



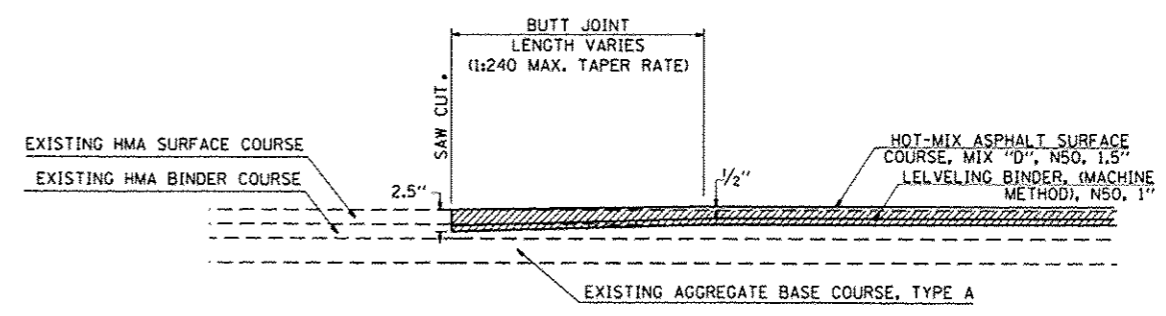
**SECTION B-B**  
SIDEROAD BUTT JOINT

**HAMACHER STREET  
BUTT JOINT DETAILS**  
(NOT TO SCALE)

\*COST OF SAWCUT TO BE INCLUDED IN  
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



**SECTION A-A**  
MAINLINE BUTT JOINT



**SECTION B-B**  
SIDEROAD BUTT JOINT

**OSTERHAGE DRIVE & BRADFORD LANE  
BUTT JOINT DETAILS**  
(NOT TO SCALE)

\*COST OF SAWCUT TO BE INCLUDED IN  
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

FILE NAME =	USER NAME = pmaedon	DESIGNED -	REVISED -
H:\7173\100\STP\2016\CA00\Sheets\7173-SH	.CONST DETAIL.S.dgn	DRAWN -	REVISED -
HMG JOB NO. 7173	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/17/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**

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

F.A.U. RTE. VAR.	SECTION 14-00046-00-RS	COUNTY MONROE	TOTAL SHEETS 37	SHEET NO. 37
			CONTRACT NO. 97615	
ILLINOIS FED. AID PROJECT				