

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	1
ILLINOIS			CONTRACT NO. 76M84	

* 40 + 1 = 41 TOTAL SHEETS

D-98-011-20



FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
 2020 ADT: 5850 (ACTUAL)
 2021 ADT: 5900 (ESTIMATED)
 SU = 3.4% MU = 2.9%

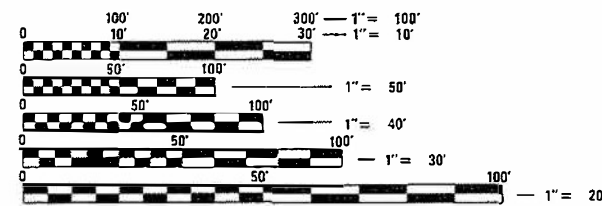
INDEX OF SHEETS

- 1 COVER SHEET
- 2 HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
- 3-8A SUMMARY OF QUANTITIES
- 9-13 TYPICAL SECTIONS
- 14-22 SCHEDULES OF QUANTITIES
- 23 LOCATION MAP
- 24-31 STAGING AND TRAFFIC CONTROL
- 32-33 DETECTOR LOOP DETAILS
- 34-35 CULVERT DETAILS
- 36-37 MISCELLANEOUS DETAILS
- 38-40 PAVEMENT MARKING

PROPOSED HIGHWAY PLANS

FAP ROUTE 604 (IL 159)
 SECTION (101,102)RS-4
 PROJECT STP-08Q4(157)
 RESURFACING - 3P - STANDARD OVERLAY
 MADISON COUNTY

C-98-025-20

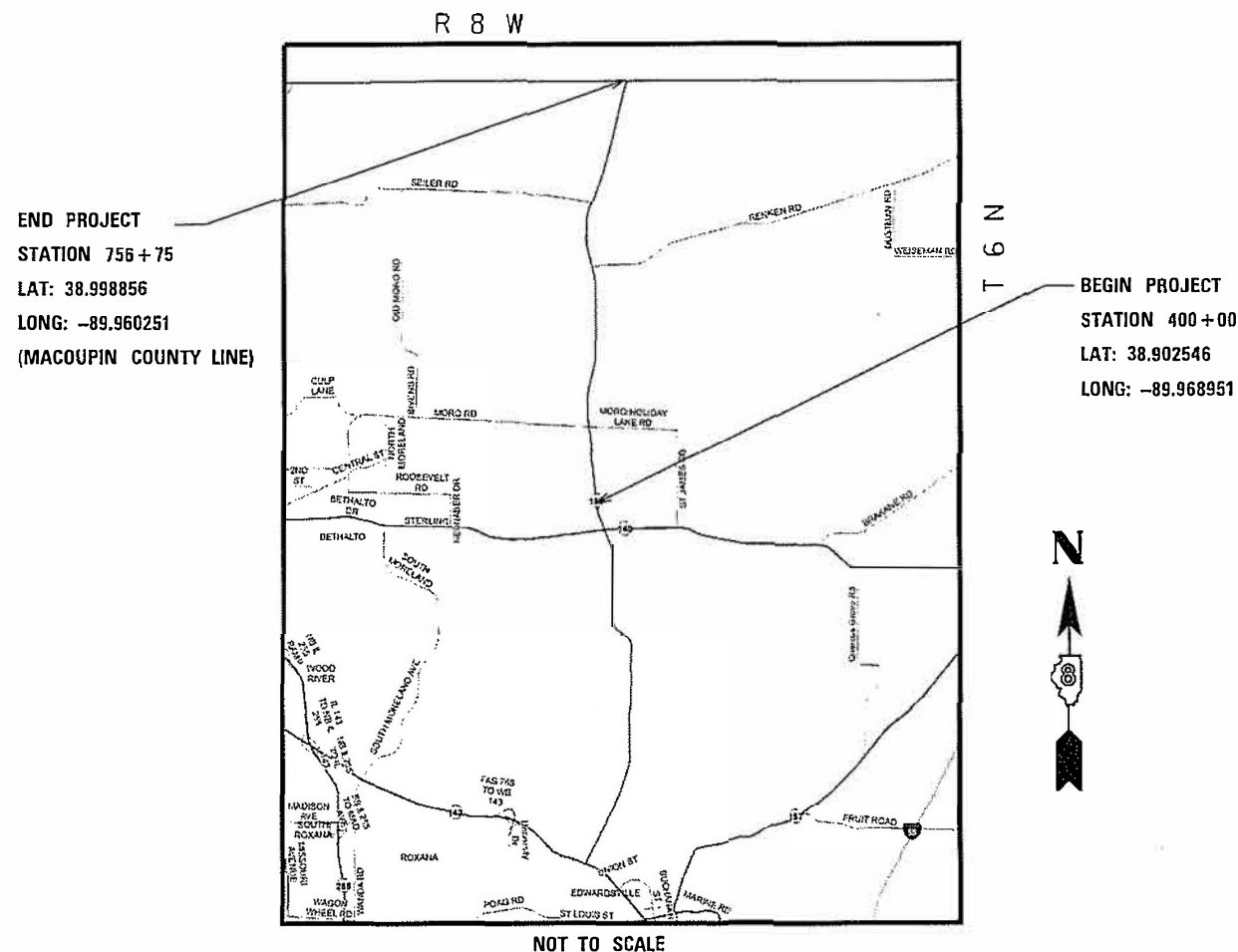


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: HERVÉ GELIN (618) 346-3179
 PROJECT MANAGER: BILLIE OWEN (618) 346-3209

CONTRACT NO. 76M84



NOT TO SCALE

GROSS LENGTH = 35,675 FT. = 6.76 MILE
 NET LENGTH = 35,675 FT. = 6.76 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 9, 2020
Keith Roberts
 REGIONAL ENGINEER

January 29, 2021
Scott A. Elk
 ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021
Joselyn Ann
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE FOLLOWING UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- *AMEREN ILLINOIS
- *AT&T ILLINOIS
- *CHARTER COMMUNICATIONS, INC.
- *FOSTERBURG WATER DISTRICT
- *HOLIDAY SHORES SANITARY DISTRICT
- *MARATHON PIPE LINE LLC
- *BUCKEYE PARTNERS L.P.--WOOD RIVER PIPELINE
- *NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT
- *EXPLORER PIPELINE COMPANY
- *FRONTIER COMMUNICATIONS
- *MADISON TELEPHONE COMPANY
- *SOUTHWESTERN ELECTRIC COOPERATIVE, INC.

2. NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.

3. THE PAVEMENT MARKING SHOWN IN THE PLANS IS APPROXIMATE. THE LOCATIONS OF THE PROPOSED PAVEMENT MARKING SHOULD MATCH EXISTING FIELD CONDITIONS.

4. ONLY SHORT-TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT-TERM PAVEMENT MARKING REMOVAL".

5. 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 TRAINING PROGRAM (HCCTP) TO HELP MEET WORK FORCE 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 COURSE WORK (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 COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORK FORCE AND TRAINEE GOALS.

6. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.

7. OVERNIGHT LANE CLOSURES WILL NOT BE ALLOWED EXCEPT FOR THE MORO ROAD INTERSECTION RECONSTRUCTION.

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.

THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

9. ALL DISTURBED EMBANKMENT AREAS SHALL BE SEEDED WITH CLASS 2 SEED, FERTILIZED AND MULCHED AS PER SECTION 250.04 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST FOR PERFORMING THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK INITIATING THE DISTURBANCE.

10. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

11. IF THE PROPOSED SURFACE REMOVAL ON THIS PROJECT PRODUCES A MILLED EDGE NEAR CENTERLINE GREATER THAN 1.5 INCHES OR IF THE PROPOSED RESURFACING RESULTS IN AN ELEVATION DIFFERENCE GREATER THAN 2 INCHES NEAR THE CENTERLINE BETWEEN ADJACENT OPEN LANES OF TRAFFIC, ONE OF THE FOLLOWING SHALL APPLY:

- *THE CONTRACTOR SHALL ORGANIZE THE WORK TO AVOID THE ELEVATION DIFFERENCES MENTIONED ABOVE.
- *THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY HOT MIX ASPHALT WEDGE ALONG THE CENTERLINE TO AVOID THE ELEVATION DIFFERENCES MENTIONED ABOVE.
- *THE CONTRACTOR SHALL CONSTRUCT A MILLED SLOPE EDGE (MINIMUM 1:3) ALONG THE CENTERLINE TO AVOID THE ELEVATION DIFFERENCES MENTIONED ABOVE.

THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST PER SQUARE YARD FOR HOT-MIX ASPHALT SURFACE REMOVAL OF THE DEPTH SPECIFIED OR IN THE COST PER TON FOR THE HOT-MIX ASPHALT RESURFACING MIXES SPECIFIED IN THE PLANS.

MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	BINDER	PATCHING	MIXTURE USE	SHOULDERS (LOWER)	SHOULDERS (SURFACE)
AC/PG	PG 64-22	PG 64-22	PG 64-22	AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	DESIGN AIR Voids	4.0% @ Ndes=30	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5 FG	IL 19.0	MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0L	IL 9.5L
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	FRICTION AGG		
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA	QUALITY MGMT PROGRAM	QC/QA	QC/QA

PLAN QUANTITIES FOR HMA SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420101-06	24' (7.2 m) JOINTED PCC PAVEMENT
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15' (375 MM) THRU 84" (2100 MM) DIAMETER
642006-01	SHOULDER RUMBLE STRIPS, 8 IN
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701021-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS- DAY ONLY
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR SPEEDS ≥ 45 MPH
701326-04	LANE CLOSURE 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-07	LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

COMMITMENTS

NONE

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				604	(101,102)RS-4	MADISON	40	2
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.				CONTRACT NO. 76M84 ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005 URBAN	ROADWAY 0005 RURAL
				20200100	EARTH EXCAVATION
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	690	278.5	411.5
20800150	TRENCH BACKFILL	CU YD	5	2.5	2.5
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	784	784	
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	311	311	
31200100	STABILIZED SUBBASE 4"	SQ YD	1120	1120	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	221	98	123
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	90149	35962	54187
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1411	536	875
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	6660	2748	3912
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	8113	3418	4695
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1488	953	535
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	262	170	92
42000405	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4"	SQ YD	1120	1120	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	3
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005 URBAN	ROADWAY 0005 RURAL
				44000100	PAVEMENT REMOVAL
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	1570	1556	14
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	96023	40137	55886
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	538	538	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	393	185	208
44004250	PAVED SHOULDER REMOVAL	SQ YD	67	67	
44200180	PAVEMENT PATCHING, TYPE II, 15 INCH	SQ YD	183	89	94
44200184	PAVEMENT PATCHING, TYPE III, 15 INCH	SQ YD	200	108	92
44200186	PAVEMENT PATCHING, TYPE IV, 15 INCH	SQ YD	261	77	184
44200208	PAVEMENT PATCHING, TYPE II, 18 INCH	SQ YD	16		16
44200211	PAVEMENT PATCHING, TYPE IV, 18 INCH	SQ YD	522	123	399
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	10		10
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	71350	29436	41914
48101200	AGGREGATE SHOULDERS, TYPE B	TON	54	42	12

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	4
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005 URBAN	ROADWAY 0005 RURAL
				48102100	AGGREGATE WEDGE SHOULDER, TYPE B
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	28306	10019	18287
48203100	HOT-MIX ASPHALT SHOULDERS	TON	160	158	2
50105220	PIPE CULVERT REMOVAL	FOOT	54	6	48
50800105	REINFORCEMENT BARS	POUND	493	493	
54003000	CONCRETE BOX CULVERTS	CU YD	6.8	6.8	
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	42		42
54213453	END SECTIONS 18"	EACH	2		2
54248510	CONCRETE COLLAR	CU YD	1.2	1.2	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	71148	30004	41144
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	260	260	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	5
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	ROADWAY
				0005 URBAN	0005 RURAL
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	3.5	5.5
67100100	MOBILIZATION	L SUM	1	0.4	0.6
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.4	0.6
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	0.4	0.6
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.4	0.6
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.4	0.6
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.4	0.6
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20	
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	12	
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	7662	7662	
70107008	PAVEMENT MARKING BLACKOUT TAPE, 8"	FOOT	470	470	

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	6
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005 URBAN	ROADWAY 0005 RURAL
				70107012	PAVEMENT MARKING BLACKOUT TAPE, 12"
70107024	PAVEMENT MARKING BLACKOUT TAPE, 24"	FOOT	144	144	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	48	48	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	10257	4178	6079
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5101	4425	676
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	188	188	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	103155	42087	61068
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	470	470	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	764	712	52
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	144	144	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	125	125	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	102131	41063	61068
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	343	343	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	764	712	52

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	7
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005 URBAN	ROADWAY 0005 RURAL
				* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	63	63	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1024	1024	
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	127	127	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	48	48	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	989	431	558
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	989	431	558
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	50	50	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	944	944	
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	5.5	5.5	
X7010200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL)	EACH	1	1	
X7016500	TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)	EACH	1	1	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	35591	15183	20408
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	12		12

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	8
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	

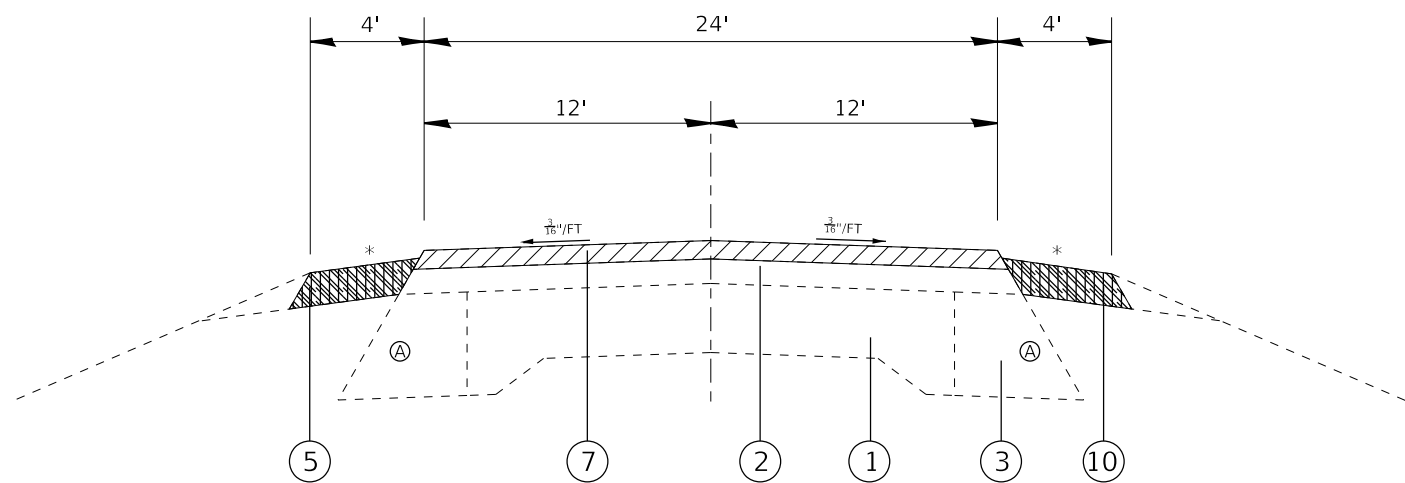
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005	ROADWAY 0005
				URBAN	RURAL
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	35675	14718	20957
Z0034105	MATERIAL TRANSFER DEVICE	TON	14652	6660	7992
∅ Z0076600	TRAINEES	HOUR	2000	2000	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000	2000	

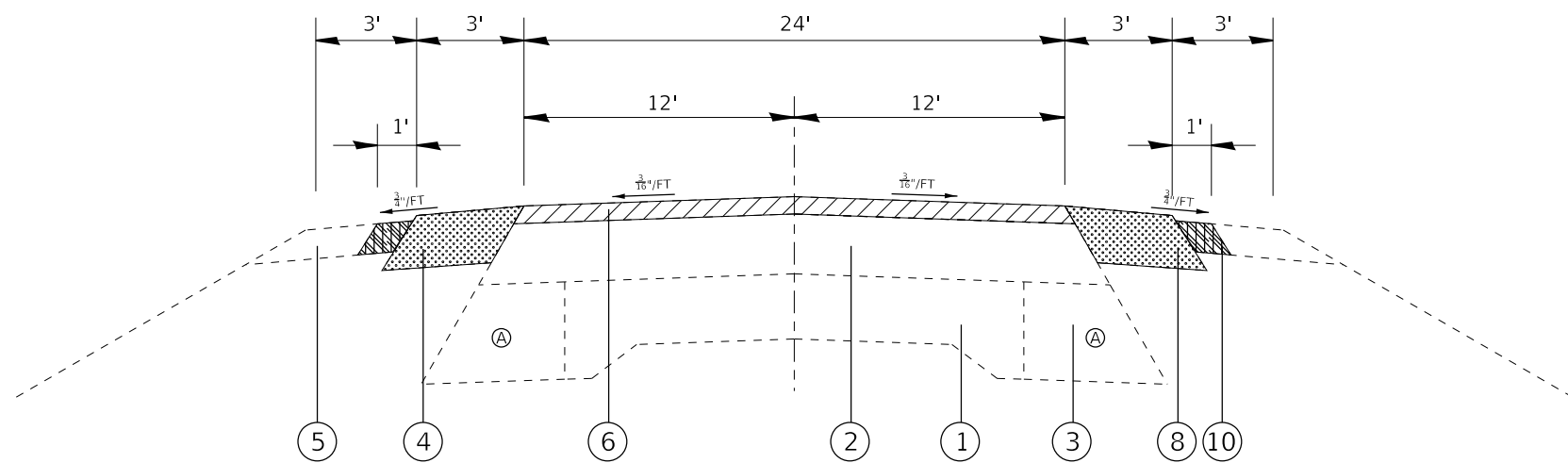
∅ 0042

REV. - MS


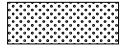

USER NAME = challesdeske PLOT SCALE = 100,0000' / in. PLOT DATE = 12/11/2020	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		604	(101,102)RS-4	MADISON	40	8A				
	CHECKED -	REVISED -		SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.				CONTRACT NO. 76M84				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



TYPICAL SECTION
 STA. 400+00 TO STA. 444+45
 STA. 474+70 TO STA. 756+75



TYPICAL SECTION
 STA. 444+45 TO STA. 461+90

-  HMA SURFACE REMOVAL
-  PAVED SHOULDER REMOVAL
-  EX. AND GRADING EXISTING SHOULDERS

LEGEND

- ① EXISTING 9-7-9 CONCRETE PAVEMENT
- ② EXISTING HMA RESURFACING - VARIES 2 1/2" TO 25"
- ③ EXISTING HMA WIDENING - A=11"/B=10 3/4"
- ④ EXISTING HMA SHOULDERS - 8"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/4"
- ⑦ PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED PAVED SHOULDER REMOVAL
- ⑨ PROPOSED EARTH EXCAVATION - 12"
- ⑩ PROPOSED EX. AND GRADING EXISTING SHOULDERS
- ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑫ PROPOSED HMA BINDER COURSE, IL-9.5FG, N70, - 1 1/4"
- ⑬ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, - 1 1/2"
- ⑭ PROPOSED FULL DEPTH HMA SHOULDER W/ RUMBLE STRIPS, 8"
- ⑮ PROPOSED HMA SHOULDER W/ RUMBLE STRIPS
- ⑯ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑲ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑳ PROPOSED PCC PAVEMENT - 9 1/4"
- ㉑ PROPOSED STABILIZED SUBBASE - 4"
- ㉒ PROPOSED SUBBASE GRANULAR MATERIAL, TY A - 4 3/4"
- ㉓ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT - 12"

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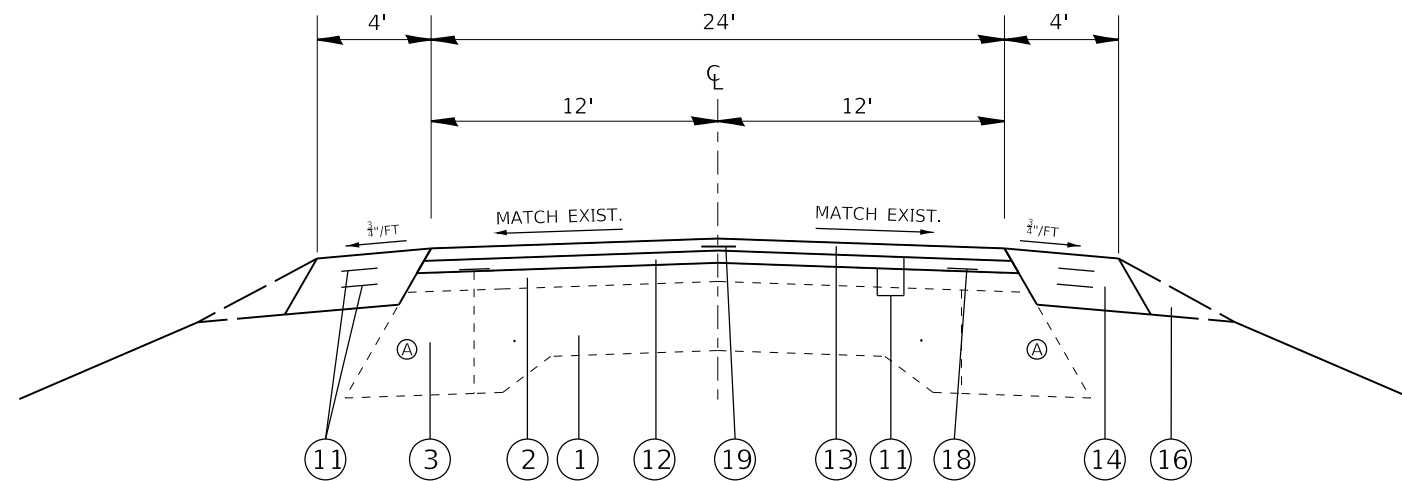
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PLOT DATE = 11/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICALS

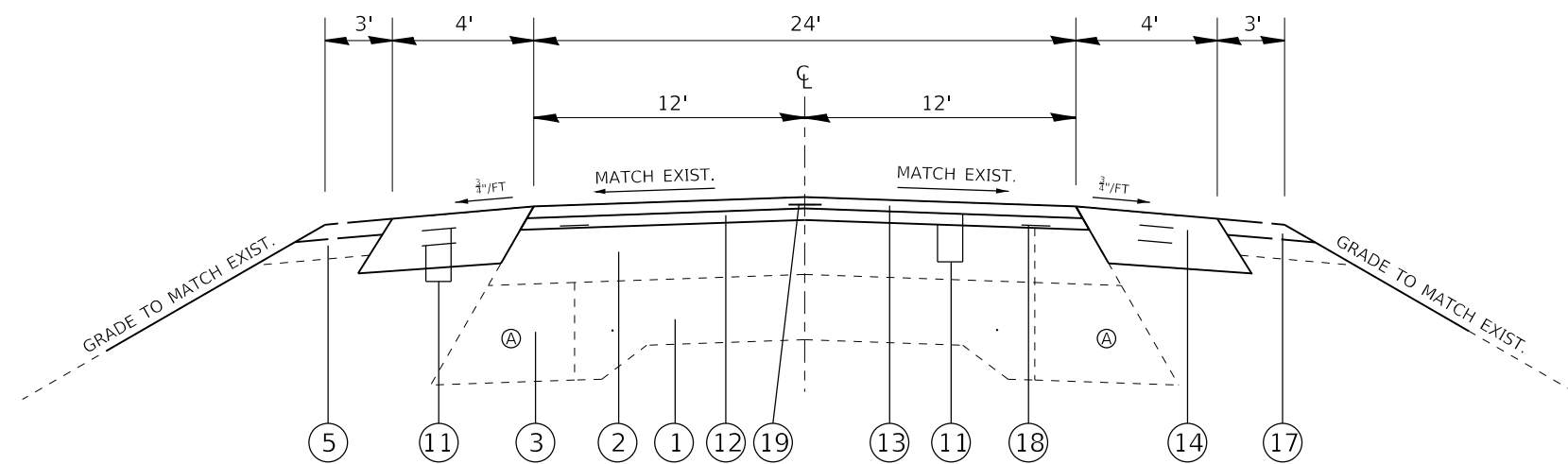
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	9
				CONTRACT NO. 76M84
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION

STA. 400+00 TO STA. 444+45
STA. 474+70 TO STA. 756+75



TYPICAL SECTION

STA. 444+45 TO STA. 461+90

LEGEND

- ① EXISTING 9-7-9 CONCRETE PAVEMENT
- ② EXISTING HMA RESURFACING - VARIES 2 1/2" TO 25"
- ③ EXISTING HMA WIDENING - A=11"/B=10 3/4"
- ④ EXISTING HMA SHOULDERS - 8"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/4"
- ⑦ PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED PAVED SHOULDER REMOVAL
- ⑨ PROPOSED EARTH EXCAVATION - 12"
- ⑩ PROPOSED EX. AND GRADING EXISTING SHOULDERS
- ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑫ PROPOSED HMA BINDER COURSE, IL-9.5FG, N70, - 1 1/4"
- ⑬ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, - 1 1/2"
- ⑭ PROPOSED FULL DEPTH HMA SHOULDER W/ RUMBLE STRIPS, 8"
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- ⑯ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑲ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑳ PROPOSED PCC PAVEMENT - 9 1/4"
- ㉑ PROPOSED STABILIZED SUBBASE - 4"
- ㉒ PROPOSED SUBBASE GRANULAR MATERIAL, TY A - 4 3/4"
- ㉓ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT - 12"

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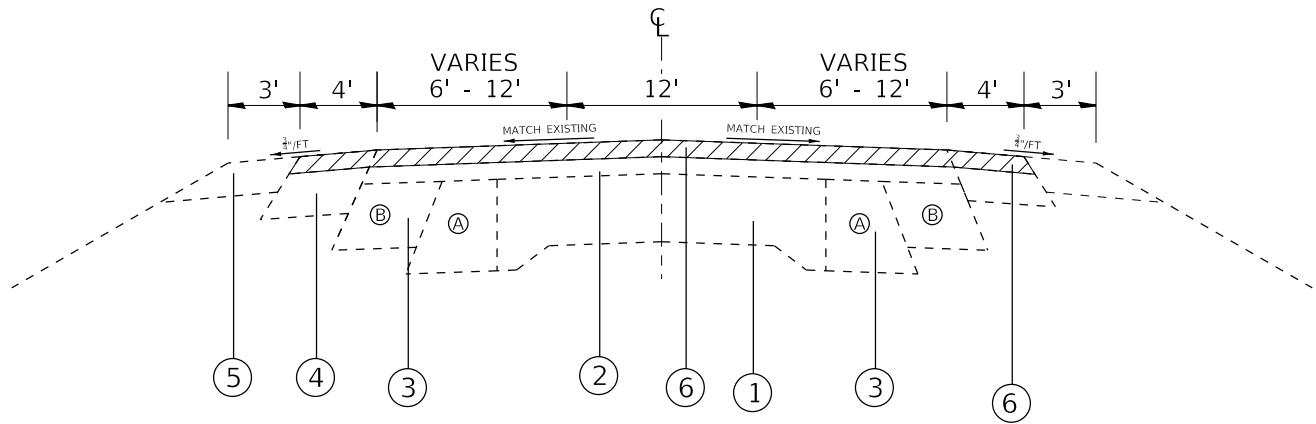
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PLOT DATE = 11/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

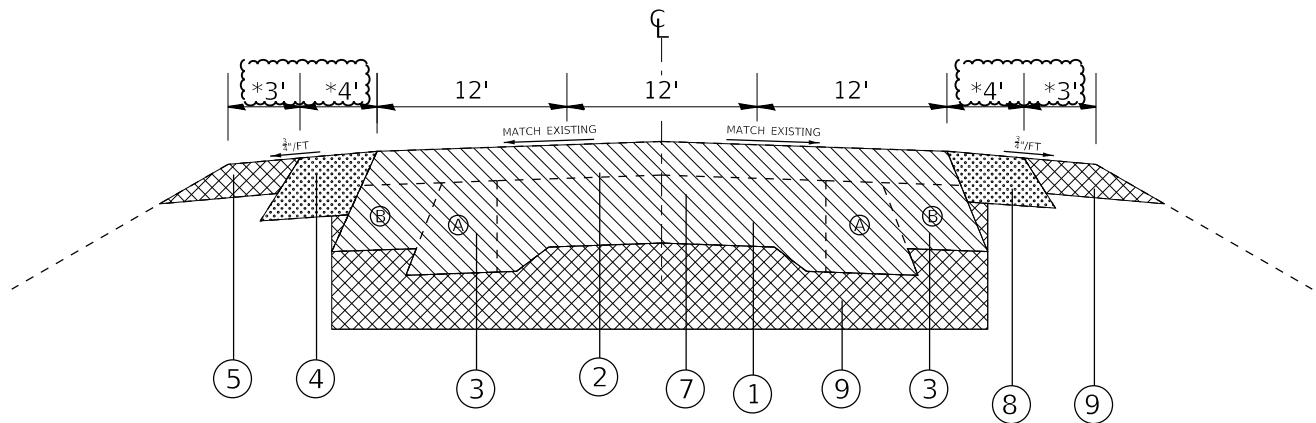
PROPOSED TYPICALS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	10
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
 STA. 461+90 TO STA. 466+90
 STA. 469+70 TO STA. 474+70

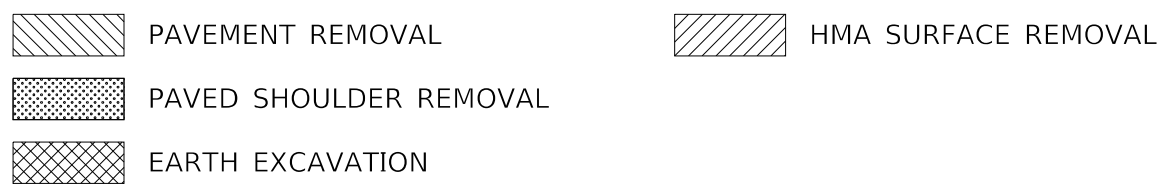


EXISTING TYPICAL SECTION
 STA. 466+90 TO STA. 469+70

LEGEND

- ① EXISTING 9-7-9 CONCRETE PAVEMENT
- ② EXISTING HMA RESURFACING - VARIES 2 1/2" TO 25"
- ③ EXISTING HMA WIDENING - A=11"/B=10 3/4"
- ④ EXISTING HMA SHOULDERS - 8"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/4"
- ⑦ PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED PAVED SHOULDER REMOVAL
- ⑨ PROPOSED EARTH EXCAVATION - 12"
- ⑩ PROPOSED EX. AND GRADING EXISTING SHOULDERS
- ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑫ PROPOSED HMA BINDER COURSE, IL-9.5FG, N70, - 1 1/4"
- ⑬ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, - 1 1/2"
- ⑭ PROPOSED FULL DEPTH HMA SHOULDER W/ RUMBLE STRIPS, 8"
- ⑮ PROPOSED HMA SHOULDER W/ RUMBLE STRIPS
- ⑯ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑲ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑳ PROPOSED PCC PAVEMENT - 9 1/4"
- ㉑ PROPOSED STABILIZED SUBBASE - 4"
- ㉒ PROPOSED SUBBASE GRANULAR MATERIAL, TY A - 4 3/4"
- ㉓ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT - 12"

*EXISTING SHOULDER WIDTH IS 7' HMA IN THE RADIUS RETURN



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 SHEET: \\SHEET\...
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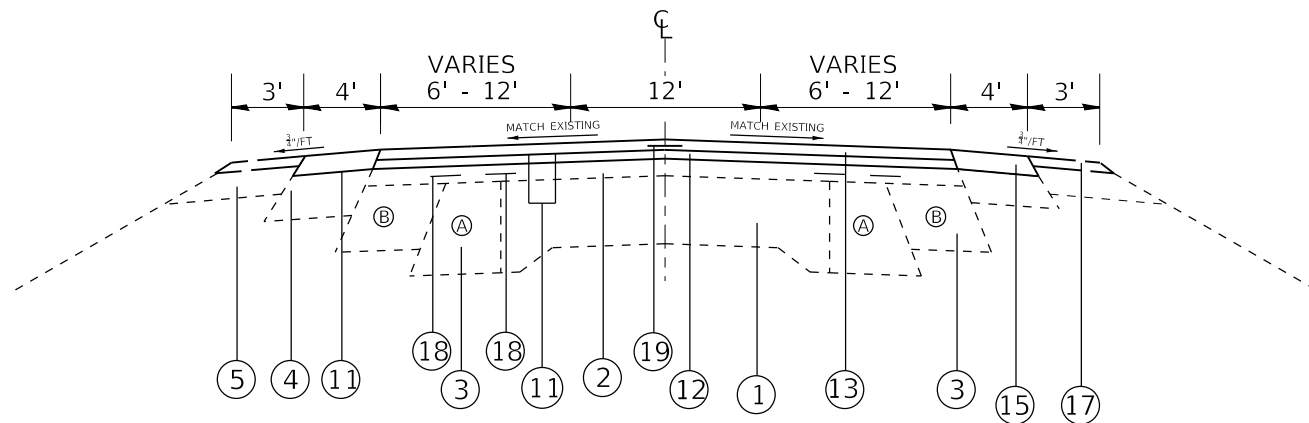
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

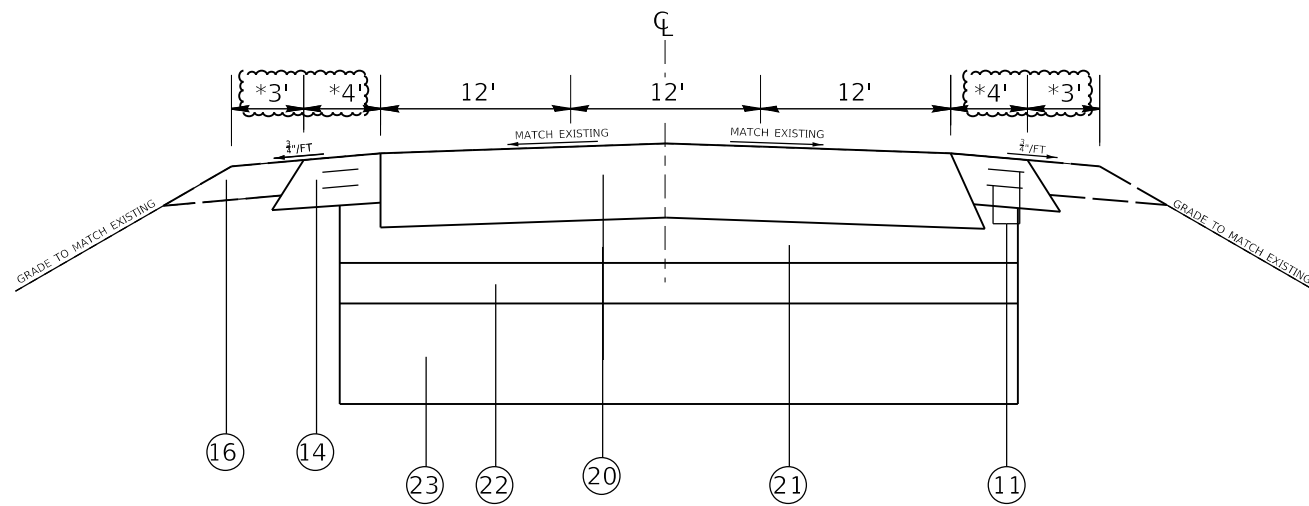
**PAVEMENT RECONSTRUCTION
 TYPICALS AT IL 159/MORO**

SCALE: NO SCALE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M84	



EXISTING TYPICAL SECTION
STA. 461+90 TO STA. 466+90
STA. 469+70 TO STA. 474+70



PROPOSED TYPICAL SECTION
STA. 466+90 TO STA. 469+70

LEGEND

- ① EXISTING 9-7-9 CONCRETE PAVEMENT
- ② EXISTING HMA RESURFACING - VARIES 2 1/2" TO 25"
- ③ EXISTING HMA WIDENING - A=11"/B=10 3/4"
- ④ EXISTING HMA SHOULDERS - 8"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/4"
- ⑦ PROPOSED PAVEMENT REMOVAL
- ⑧ PROPOSED PAVED SHOULDER REMOVAL
- ⑨ PROPOSED EARTH EXCAVATION - 12"
- ⑩ PROPOSED EX. AND GRADING EXISTING SHOULDERS
- ⑪ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑫ PROPOSED HMA BINDER COURSE, IL-9.5FG, N70, - 1 1/4"
- ⑬ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, - 1 1/2"
- ⑭ PROPOSED FULL DEPTH HMA SHOULDER W/ RUMBLE STRIPS, 8"
- ⑮ PROPOSED HMA SHOULDER W/ RUMBLE STRIPS
- ⑯ PROPOSED AGGREGATE SHOULDER WEDGE, TYPE B
- ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑲ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑳ PROPOSED PCC PAVEMENT - 9 1/4"
- ㉑ PROPOSED STABILIZED SUBBASE - 4"
- ㉒ PROPOSED SUBBASE GRANULAR MATERIAL, TY A - 4 3/4"
- ㉓ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT - 12"

*PROPOSED SHOULDER WIDTH IS 7' HMA IN THE RADIUS RETURN

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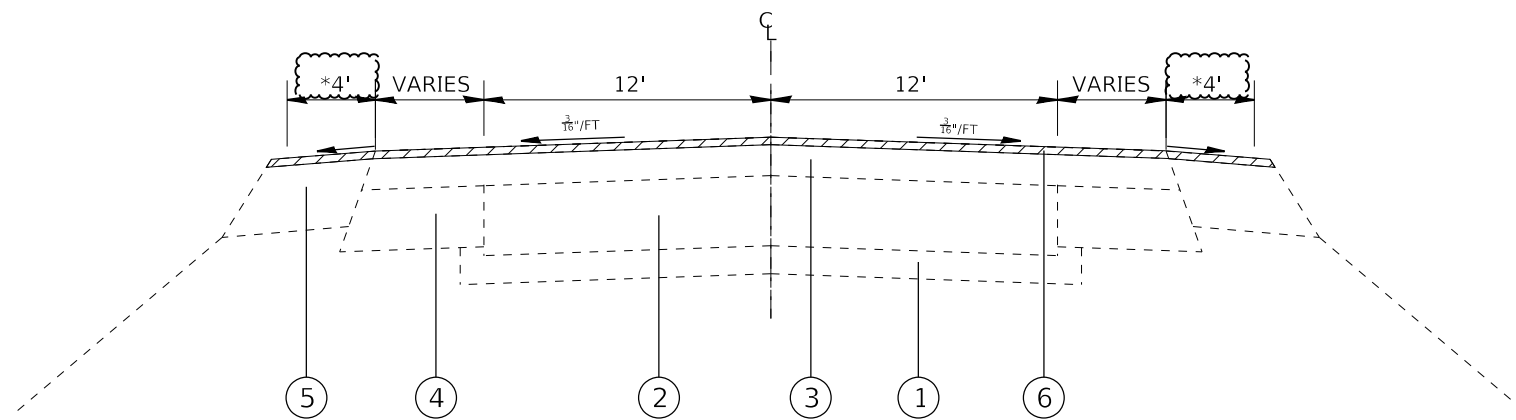
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PLOT DATE = 1/12/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT RECONSTRUCTION
TYPICALS AT IL 159/MORO

SCALE: NO SCALE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	12
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	



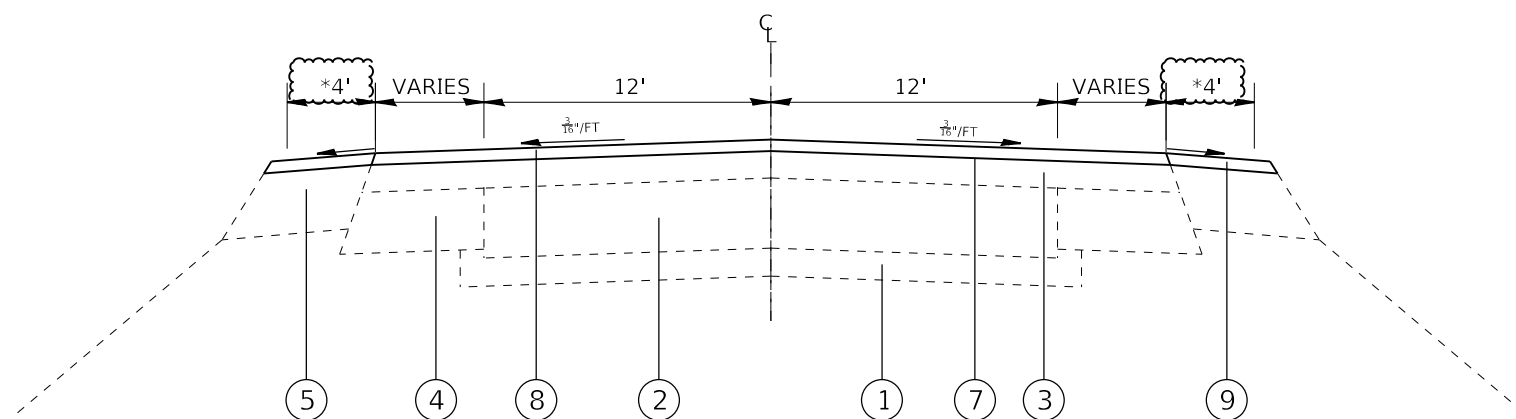
EXISTING TYPICAL SECTION
MORO ROAD

LEGEND

- ① EXISTING SUBBASE-4"
- ② EXISTING 9-6-9 CONCRETE PAVEMENT
- ③ EXISTING HMA RESURFACING - 5 1/2"
- ④ EXISTING HMA WIDENING - 11"
- ⑤ EXISTING HMA SHOULDERS - 8"
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1"
- ⑦ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- ⑧ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, - 1 1/2"
- ⑨ PROPOSED HMA SHOULDER W/ RUMBLE STRIPS

*SHOULDER IS 7' HMA IN THE RADIUS RETURN

*PROPOSED SHOULDER WIDTH IS 7' HMA IN THE RADIUS RETURN



EXISTING TYPICAL SECTION
MORO ROAD

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/12/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICALS

SCALE: NO SCALE SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	13
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	

MAINLINE PAVEMENT SCHEDULE

LOCATION			HMA SURFACE REMOVAL, 2 1/4" SQ YD	HMA BINDER COURSE, IL-9.5FG. N70 TON	BITUMINOUS MATERIAL (TACK COAT) POUND	HMA SURFACE COURSE, IL-9.5, MIX "D", N70 TON	STRIP REFLECTIVE CRACK CONTROL TREATMENT FOOT	LONGITUDINAL JOINT SEALANT FOOT	COMMENT
STA.	TO	STA.							
400+00	TO	430+98	8261.3	578.3	5576.4	694.0	6196	3098	OAK DRIVE
430+98	TO	468+31	9954.7	696.8	6719.4	836.2	7466	3733	MORO ROAD
468+31	TO	497+81	7866.7	550.7	5310.0	660.8	5900	2950	HIGH STREET
497+81	TO	501+34	941.3	65.9	635.4	79.1	706	353	MIDWAY DRIVE
501+34	TO	521+18	5290.7	370.3	3571.2	444.4	3968	1984	UNTERBRINK RD
521+18	TO	547+18	6933.3	485.3	4680.0	582.4	5200	2600	YORKVILLE RD
547+18	TO	564+90	4725.3	330.8	3189.6	396.9	3544	1772	SAWMILL RUN
564+90	TO	599+79	9304.0	651.3	6280.2	781.5	6978	3489	RENKEN RD
599+79	TO	611+78	3197.3	223.8	2158.2	268.6	2398	1199	MAPLE DRR
611+78	TO	615+07	877.3	61.4	592.2	73.7	658	329	PROJECT DR
615+07	TO	625+48	2776.0	194.3	1873.8	233.2	2082	1041	MAPLE DRR
625+48	TO	653+08	7360.0	515.2	4968.0	618.2	5520	2760	SEILER RD
653+08	TO	717+59	17202.7	1204.2	11611.8	1445.0	12902	6451	N DEER PARK RD
717+59	TO	756+75	10442.7	731.0	7048.8	877.2	7832	3916	STIEGLITZ RD
TOTAL:			95133.3	6659.3	64215.0	7991.2	71350.0	35675.0	
ROUNDED TOTAL:			95134	6660	64215	7992	71350	35675	

STATION 466+90 TO STATION 469+70 NOT INCLUDED IN THIS SCHEDULE. SEE PAVEMENT RECONSTRUCTION SCHEDULE FOR THOSE QUANTITIES.

APPLICATION RATES

(1st Pass)TACK COAT = 0.05 LBS/SQ FT
 (2nd Pass)TACK COAT = 0.025 LBS/SQ FT
 BITUMINOUS = 0.056 TONS/SQ YD/IN
THICKNESS
 BINDER = 1.25 INCHES
 SURFACE COURSE = 1.50 INCHES

PIPE CULVERT REMOVAL AND REPLACEMENT

CLASS D PAVT PATCHES, TY II - 16" SQ YD	EARTH EXCAVATION CUY	PIPE CULVERT REMOVAL FT	18" CONCRETE CULVERT, CL3, TY2 FT	TRENCH BACKFILL CUY	FURNISHED EXCAVATION CUY	CULVERT END SECTIONS EACH
9.8	10.2	48	48	1.7	4.3	2

IL159/MORO ROAD STAGE CONSTRUCTION SHOULDER WORK

LT/RT	STATION	TO	STATION	HMA SURFACE REMOVAL - 4" SQ YD	HMA SURF. CSE., IL-9.5, MIX D, N70 TON	COMMENT
LT	466+89.00	TO	467+05.00	8.9	2.0	II 159
RT	466+89.00	TO	467+43.00	30.0	6.7	IL 159
RT	238+38.25	TO	239+59.75	108.1	24.2	MORO RD
LT	238+38.25	TO	239+60.00	97.3	21.8	MORO RD
LT	469+16.50	TO	469+72.00	30.8	6.9	IL 159
RT	469+32.00	TO	469+72.00	22.2	5.0	IL 159
LT	239+96.50	TO	241+20.00	161.3	36.1	MORO RD
RT	239+96.50	TO	241+20.00	78.9	17.7	MORO RD
SUB-TOTAL				537.6	120.4	
ROUNDED TOTAL				538	121	

MODEL: Default
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 OFFICE: I159/MORO ROAD STAGE CONSTRUCTION SHOULDER WORK
 DATE: 12/11/2020

USER NAME = challandeske	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: NA SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	14
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

PAVEMENT PATCHING 15" SCHEDULE

STATIONING	NB/SB	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ YDS)	TYPE I (SQ YDS)	TYPE II (SQ YDS)	TYPE III (SQ YDS)	TYPE IV (SQ YDS)
STA. 400+00								
STA. 410+56	SB	6	12	8.0		8.0		
STA. 415+84	SB	4	12	5.3		5.3		
STA. 426+40	SB	4	12	5.3		5.3		
STA. 429+56	SB	4	12	5.3		5.3		
STA. 429+57	SB	30	12	40.0				40.0
STA. 436+96	SB	14	12	18.7			18.7	
STA. 437+49	SB	4	12	5.3		5.3		
STA. 438+02	SB	10	12	13.3		13.3		
STA. 438+54	SB	4	12	5.3		5.3		
STA. 505+60	SB	13	12	17.3			17.3	
STA. 527+25	SB	20	12	26.7				26.7
STA. 563+68	SB	15	12	20.0			20.0	
STA. 564+21	SB	4	12	5.3		5.3		
STA. 568+96	SB	5	12	6.7		6.7		
STA. 574+24	SB	5	12	6.7		6.7		
STA. 574+77	SB	8	12	10.7		10.7		
STA. 595+36	SB	70	12	93.3				93.3
STA. 632+32	SB	7	12	9.3		9.3		
STA. 632+85	SB	4	12	5.3		5.3		
STA. 410+56	NB	6	12	8.0		8.0		
STA. 415+84	NB	4	12	5.3		5.3		
STA. 426+40	NB	4	12	5.3		5.3		
STA. 431+68	NB	4	12	5.3		5.3		
STA. 438+54	NB	4	12	5.3		5.3		
STA. 505+60	NB	13	12	17.3			17.3	
STA. 526+72	NB	30	6	20.0			20.0	
STA. 527+25	NB	15	12	20.0			20.0	
STA. 563+68	NB	15	12	20.0			20.0	
STA. 564+21	NB	4	12	5.3		5.3		
STA. 568+96	NB	5	12	6.7		6.7		
STA. 574+24	NB	5	12	6.7		6.7		
STA. 574+77	NB	8	12	10.7		10.7		
STA. 614+90	NB	30	6	20.0			20.0	
STA. 632+32	NB	6	12	8.0		8.0		
STA. 641+83	NB	30	6	20.0			20.0	
STA. 695+68	NB	100	6	66.7				66.7
SUBTOTALS:					0.0	158.7	173.3	226.7
#15% ADDITION FOR WINTER DETERIORATION:					0.0	23.8	26.0	34.0
TOTALS:					0	183	200	261

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 OFFICE: \\nls1c-pix1\planroom.dwg
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: NA SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	16
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

STATIONING			THERMOPLASTIC PAVEMENT MARKING & TEMPORARY PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING REMOVAL SQ FT	SHORT TERM PAVEMENT MARKING (3 LIFTS) FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT	RRPM REMOVAL EACH	RRPM TWO-WAY AMBER EACH	COMMENT	
			4" YELLOW SKIP DASH FOOT	4" YELLOW SOLID FOOT	4" WHITE SOLID FOOT	12" WHITE SOLID FOOT							
STA.	TO	STA.											
400+00	TO	453+86	1347		10772		4040	1469	163	135	135	PZ	
453+86	TO	461+11	181	725	1450		785	198	22	18	18	NPZ NB	
461+11	TO	462+31		240	240		160	33	4	3	3	NPZ	
462+31	TO	475+11	SEE IL 159/MORO RD FOR INTERSECTION PAVEMENT MARKING DETAILS								Gap for IL 159/Moro Rd		
475+11	TO	476+11		200	200		133	27	3	3	3	NPZ	
476+11	TO	481+11	125	500	1000		542	136	15	13	13	NPZ SB	
481+11	TO	486+81	143		1140		428	155	17	14	14	PZ	
486+81	TO	495+51	218	870	1740		943	237	26	22	22	NPZ NB	
495+51	TO	497+41	48		380		143	52	6	5	5	PZ	
497+41	TO	506+66	231	925	1850		1002	252	28	23	23	NPZ SB	
506+66	TO	542+36	893		7140		2678	974	108	89	89	PZ	
542+36	TO	548+11	144	575	1150		623	157	17	14	14	NPZ NB	
548+11	TO	553+01	123		980		368	134	15	12	12	PZ	
553+01	TO	555+46	61	245	490		265	67	7	6	6	NPZ SB	
555+46	TO	558+76		660	660		440	90	10	8	8	NPZ	
558+76	TO	561+16	60	240	480		260	65	7	6	6	NPZ NB	
561+16	TO	567+31	154		1230		461	168	19	15	15	PZ	
567+31	TO	583+21	398	1590	3180		1723	434	48	40	40	NPZ SB	
583+21	TO	588+16		990	990		660	135	15	12	12	NPZ	
588+16	TO	599+31	279	1115	2230		1208	304	34	28	28	NPZ SB	
599+31	TO	628+31	725		5800	22	2197	791	88	73	73	PZ	
628+31	TO	639+91	290	1160	2320		1257	316	35	29	29	NPZ NB	
639+91	TO	642+41		500	500		333	68	8	6	6	NPZ	
642+41	TO	653+36	274	1095	2190		1186	299	33	27	27	NPZ SB	
653+36	TO	654+51		230	230		153	31	3	3	3	NPZ	
654+51	TO	664+51	250	1000	2000	30	1113	273	30	25	25	NPZ NB	
664+51	TO	665+51	25		200		75	27	3	3	3	PZ	
665+51	TO	675+76	256	1025	2050		1110	280	31	26	26	NPZ SB	
675+76	TO	750+74	1875		14996		5624	2045	227	187	187	PZ	
750+74	TO	757+49	169	675	1350		731	184	20	17	17	NPZ NB	
757+49	TO	762+09	115		920		345	125	14	12	12	PZ	
762+09	TO	768+99	173	690	1380		748	188	21	17	17	NPZ SB	
768+99	TO	771+00	50		402		151	55	6	5	5	PZ	
ROUNDED TOTAL			95493				52	31883	9769	1085	896	896	

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PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: NA SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	17
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

THERMOPLASTIC PAVEMENT MARKING SCHEDULE FOR IL 159/MORO ROAD

STATION			THERMOPLASTIC PAVEMENT MARKING & TEMPORARY PAVEMENT MARKING								RRPM REMOVAL AND INSTALLATION		TEMPORARY PAVEMENT MARKING REMOVAL SQ FT	SHORT TERM PAVEMENT MARKING (3 LIFTS) FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT
			4" WHITE SKIP DASH FOOT	4" YELLOW SOLID FOOT	4" WHITE SOLID FOOT	8" WHITE SOLID FOOT	12" YELLOW SOLID FOOT	12" WHITE SOLID FOOT	24" WHITE SOLID FOOT	LETTERS & SYMBOLS SQ FT	ONE-WAY CRYSTAL EACH	TWO-WAY AMBER EACH			
STA.	TO	STA.													
461+90.00	TO	466+50.00	36.0	1831.0	920.0	0.0	141.6	0.0	0.0	0.0		24.0	929.0	125.5	13.9
466+50.00	TO	469+50.00	4.0	52.2	19.1	70.6	4.5	146.7	0.0	46.8	23.0	6.0	265.7	10.9	1.2
238+61.00	TO	240+86.25	0.0	288.0	567.6	271.9	0.0	289.7	60.0	46.8	24.0	4.0	923.0	50.5	5.6
469+50.00	TO	474+70.00	42.0	1919.0	959.0	0.0	129.1	0.0	0.0	31.2	1.0	25.0	1004.5	141.8	15.8
ROUNDED TOTAL			6638			343	712		60	125	79	13	3123	411	137

PAINT PAVEMENT MARKING SCHEDULE FOR IL 159/MORO ROAD

STATION			PAINT PAVEMENT MARKING & TEMPORARY PAVEMENT MARKING					TEMPORARY PAVEMENT MARKING REMOVAL SQ FT	SHORT TERM PAVEMENT MARKING (3 LIFTS) FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT	
			4" WHITE SOLID FOOT	4" YELLOW SOLID FOOT	8" WHITE SOLID FOOT	24" WHITE SOLID FOOT	LETTERS & SYMBOLS SQ FT				
STA.	TO	STA.									
466+90.00	TO	469+70.00	526.0	498.0	127.0	48.0	62.4	584.4	76.4	8.5	
ROUNDED TOTAL			1024			127	48	63	585	77	9

BLACKOUT TAPE - IL 159/MORO ROAD

STATION			PAVEMENT MARKING BLACKOUT TAPE, 4" FOOT	PAVEMENT MARKING BLACKOUT TAPE, 8" FOOT	PAVEMENT MARKING BLACKOUT TAPE, 12" FOOT	PAVEMENT MARKING BLACKOUT TAPE, 24" FOOT	SHORT TERM PAVEMENT MARKING REMOVAL SQ FT
461+90	TO	466+50	2787	0	142	0	1071
466+50	TO	469+50	899	198	152	84	752
238+61	TO	240+86	856	272	290	60	877
469+50	TO	474+70	3120	0	130	0	1170
SUBTOTAL			7662	470	714	144	3869

PAVEMENT RECONSTRUCTION SCHEDULE AT MORO ROAD

LOCATION			PCC PAVEMENT 9 1/4" SQ YD	STABILIZED SUBBASE 4 INCHES SQ YD	SUBBASE GRAN. MAT'L TYPE A TON	AGGREGATE SUBGRADE IMPROVEMENT TON	HMA SHOULDER 8 INCHES SQ YD	AGGREGATE SHOULDER TYPE B TON	PAVED PAVEMENT REMOVAL SQ YD	PAVED SHOULDER REMOVAL SQ YD	EARTH EXCAVATION CUY	EXCAVATING & GRADING EX SHOULDERS UNIT	SHOULDER RUMBLE STRIPS-8" FOOT
STA.	TO	STA.											
466+90.00	TO	469+70.00	1120.0	1120.0	310.3	784.0	66.6	17.5	1120.0	66.6	381.7	1.50	149.8
ROUNDED TOTAL			1120.0	1120.0	311.0	784.0	67.0	18.0	1120.0	67.0	382.0	1.5	150.0

APPLICATION RATES

HMA = 0.056 TONS/SQ YD/IN
 AGGREGATE = 0.05833 TONS/SQ/IN
 (1ST PASS) TACK COAT = .050 LB/SQ FT
 (2ND PASS) TACK COAT = .025 LB/SQ FT

THICKNESS

SUBBASE GRANULAR MATERIAL TYPE A = 4 3/4 IN
 AGGREGATE SUBGRADE IMPROVEMENT = 12 IN

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PLOT DATE = 12/11/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: NA SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	18
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

SIDEROADS AND ENTRANCES SCHEDULE

STATION	LT/RT	ENT/ SR	MAT 'L	AGG FOR TEMP ACCESS		DRIVEWAY PAVEMENT REMOVAL SQ YD	HMA SURFACE REM. -1" SQ YD	INCIDENTAL HMA SURFACING TONS	INCIDENTAL BIT. MAT'L (TACK COAT) POUND	HMA SURFACE REM BUTT JOINT SQ YD	COMMENT
				ENT TONS	MBTO TONS						
400+00											BEGIN PROJECT
411+50	RT	PE	AGG	0.6	1.0						
411+88	LT	FE	AGG	0.5	1.0						
415+92	LT	PE	AGG	0.6	1.0						
419+52	LT	PE	HMA		1.0	9.8		0.8	6.6		
422+04	LT	PE	HMA		1.0	8.9		0.7	6.0		
427+88	LT	PE	AGG	0.6	1.0						
429+93	LT	PE	HMA		1.0	13.3		1.1	9.0		
430+98	RT	SR	HMA					7.7	41.3	91.7	OAK DRIVE
432+87	LT	PE	HMA		1.0	25.8		2.2	17.4		
433+99	RT	PE	AGG	0.9	1.0						
436+91	RT	PE	HMA		1.0	8.9		0.7	6.0		
437+98	LT	PE	AGG	0.8	1.0						
438+80	RT	PE	AGG	0.6	1.0						
439+41	RT	PE	AGG	0.4	1.0						
439+97	RT	CE	AGG	0.8	1.0						
441+70	RT	PE	AGG	0.9	1.0						
442+30	RT	PE	HMA		1.0	14.2		1.2	9.6		
447+15	RT	CE	HMA		1.0	16.0		1.3	10.8		
449+24	RT	PE	AGG	0.8	1.0						
451+72	RT	PE	AGG	0.6	1.0						
452+34	RT	PE	AGG	0.5	1.0						
453+93	RT	FE	AGG	0.5	1.0						
454+86	RT	PE	AGG	0.7	1.0						
457+17	RT	PE	AGG	0.7	1.0						
458+09	RT	PE	AGG	0.7	1.0						
460+11	RT	PE	HMA		1.0	12.9		1.1	8.7		
461+13	RT	PE	AGG	1.1	1.0						
464+82	RT	PE	AGG	1.0	1.0						
466+13	RT	PE	AGG	1.0	1.0						
468+31	LT	SR	HMA				691.1	62.6	335.3	54.1	MORO RD
468+31	RT	SR	HMA				614.1	55.8	299.2	50.7	MORO RD
470+76	RT	CE	AGG	0.7	1.0						
484+82	RT	FE	AGG	0.5	1.0						
486+14	RT	PE	AGG	1.7	1.0						
488+07	LT	FE	AGG	0.3	1.0						
488+07	RT	PE	AGG	0.4	1.0						
489+35	RT	CE	AGG	0.7	1.0						
490+52	RT	PE	AGG	0.4	1.0						
491+77	RT	PE	AGG	0.4	1.0						
424+43	RT	PE	AGG	0.3	1.0						
493+73	RT	PE	AGG	0.4	1.0						
494+69	LT	CE	AGG	1.0	1.0						
495+65	RT	PE	HMA		1.0	5.3		0.4	3.6		
SUBTOTAL				21.1	40.0	115.1	1305.1	135.8	753.4	196.5	

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: NA SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	19
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

SIDEROADS AND ENTRANCES SCHEDULE

STATION	LT/RT	ENT/ SR	MAT'L	AGG FOR TEMP ACCESS		DRIVEWAY PAVEMENT REMOVAL SQ YD	HMA SURFACE REM. -1" SQ YD	INCIDENTAL HMA SURFACING TONS	INCIDENTAL BIT. MAT'L (TACK COAT) POUND	HMA SURFACE REM BUTT JOINT SQ YD	COMMENT
				ENT TONS	MBTO TONS						
497+81	RT	SR	HMA		1.0			6.0	32.3	71.7	HIGH STREET
499+95	RT	FE	AGG	0.3	1.0						
500+10	RT	PE	HMA		1.0	4.9		0.4	3.3		
500+26	RT	PE	HMA		1.0	4.9		0.4	3.3		
501+20	LT	PE	AGG	0.8	1.0						
501+34	RT	SR	HMA					6.5	34.9	77.5	MIDWAY DRIVE
502+30	LT	PE	AGG	0.9	1.0						
502+55	LT	PE	AGG	0.4	1.0						
503+48	LT	PE	AGG	0.7	1.0						
503+61	RT	CE	HMA		1.0	16.4		1.4	11.1		
504+35	RT	CE	HMA		1.0	18.2		1.5	12.3		
508+45	LT	PE	AGG	0.5	1.0						
511+85	LT	CE	AGG	1.9	1.0						
512+98	RT	PE	AGG	0.5	1.0						
514+14	RT	PE	HMA		1.0	10.9		0.9	7.4		
520+21	RT	PE	AGG	0.6	1.0						
521+10	RT	PE	HMA		1.0	14.2		1.2	9.6		
521+18	LT	SR	HMA					8.2	43.9	97.5	UNTERBRINK RD
521+18	RT	PE	AGG	0.8	1.0						
527+62	RT	PE	AGG	0.8	1.0						
534+13	LT	PE	AGG	0.6	1.0						
534+14	RT	FE	AGG	0.4	1.0						
537+27	LT	PE	AGG	1.0	1.0						
540+06	RT	PE	AGG	0.8	1.0						
540+46	LT	PE	AGG	1.0	1.0						
543+30	LT	FE	AGG	0.3	1.0						
547+18	RT	SR	HMA					7.8	41.6	92.5	YORKVILLE RD
547+52	LT	FE	AGG	0.9	1.0						
550+53	LT	PE	AGG	0.8	1.0						
555+77	RT	PE	AGG	0.6	1.0						
557+55	RT	PE	AGG	0.4	1.0						
559+05	RT	PE	HMA		1.0	5.8		0.5	3.9		
560+28	RT	PE	HMA		1.0	8.2		0.7	5.6		
560+42	LT	PE	AGG	1.0	1.0						
564+36	LT	PE	AGG	0.5	1.0						
564+90	RT	PE	AGG	0.6	1.0						SAWMILL RUN*
567+42	LT	PE	HMA		1.0	11.1		0.9	7.5		
569+25	LT	PE	AGG	0.5	1.0						HIDDEN LAKE DR
571+23	RT	PE	AGG	0.5	1.0						
571+81	LT	PE	AGG	0.3	1.0						
573+16	LT	PE	AGG	0.6	1.0						
575+64	RT	PE	AGG	0.6	1.0						
575+81	RT	PE	AGG	0.4	1.0						
577+34	RT	PE	AGG	0.4	1.0						
SUBTOTAL				20.6	41.0	94.7	0.0	36.4	216.5	339.2	

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PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: NA SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	20
CONTRACT NO. 76M84				
		ILLINOIS	FED. AID PROJECT	

SIDEROADS AND ENTRANCES SCHEDULE

STATION	LT/RT	ENT/ SR	MAT'L	AGG FOR TEMP ACCESS		DRIVEWAY PAVEMENT REMOVAL SQ YD	HMA SURFACE REM. - 1" SQ YD	INCIDENTAL HMA SURFACING TONS	INCIDENTAL BIT. MAT'L (TACK COAT) POUND	HMA SURFACE REM BUTT JOINT SQ YD	COMMENT
				ENT TONS	MBTO TONS						
580+39	RT	PE	HMA		1.0	10.4		0.9	7.1		
580+75	LT	PE	AGG	0.7	1.0						
581+38	LT	PE	AGG	0.4	1.0						
582+57	RT	PE	AGG	0.8	1.0						
587+71	LT	PE	HMA		1.0	9.8		0.8	6.6		
588+50	RT	PE	AGG	0.8	1.0						
589+01	LT	FE	AGG	0.4	1.0						
591+71	LT	PE	AGG	0.4	1.0						
593+08	RT	PE	AGG	0.4	1.0						
593+62	LT	FE	AGG	0.5	1.0						
595+16	RT	PE	AGG	0.5	1.0						
598+09	RT	PE	AGG	0.4	1.0						
599+79	LT	SR	HMA					9.2	49.5	110.0	RENKEN RD
599+79	RT	SR	HMA					10.0	53.6	119.2	RENKEN RD
607+29	RT	PE	AGG	0.5	1.0						
611+78	RT	SR	HMA					5.4	28.9	64.2	MAPLE DR
614+88	LT	PE	HMA		1.0	6.7		0.6	4.5		
615+07	RT	SR	HMA					6.9	36.8	81.7	PROJECT DR
616+38	RT	PE	AGG	0.4	1.0						
616+80	LT	FE	EARTH	0.3	1.0						
619+58	RT	PE	AGG	0.4	1.0						
620+41	RT	PE	AGG	0.7	1.0						
620+85	LT	FE	AGG	0.3	1.0						
625+48	RT	SR	HMA					5.6	30.0	66.7	MAPLE DR
627+22	RT	PE	AGG	0.8	1.0						
628+88	RT	PE	AGG	0.6	1.0						
630+37	RT	PE	AGG	1.0	1.0						PADDOCK HILLS LANE
635+90	LT	PE	AGG	1.0	1.0						
647+60	LT	PE	AGG	1.2	1.0						
651+35	RT	PE	AGG	1.1	1.0						
653+08	LT	SR	HMA					13.4	71.6	159.2	SEILER RD
653+08	RT	SR	HMA					6.7	35.6	79.2	SEILER RD
659+30	LT	PE	AGG	0.6	1.0						
660+21	RT	PE	AGG	0.6	1.0						
660+95	LT	PE	AGG	0.9	1.0						
662+74	RT	PE	AGG	0.6	1.0						
666+39	RT	PE	AGG	0.3	1.0						
666+49	LT	CE	CONCRETE		1.0	31.1		2.6	21.0		
668+53	RT	CE	AGG	0.9	1.0						
671+44	LT	FE	EARTH	0.3	1.0						
672+85	RT	PE	HMA		1.0	12.4		1.0	8.4		
673+21	LT	PE	HMA		1.0	12.4		1.0	8.4		
675+60	RT	PE	AGG	1.0	1.0						
678+77	RT	PE	HMA		1.0	14.2		1.2	9.6		
SUBTOTAL				18.9	37.0	97.1	0.0	65.3	371.6	680.0	

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: NA SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	21
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

SIDEROADS AND ENTRANCES SCHEDULE

STATION	LT/RT	ENT/ SR	MAT'L	AGG FOR TEMP ACCESS		DRIVEWAY PAVEMENT REMOVAL SQ YD	HMA SURFACE REM. -1" SQ YD	INCIDENTAL HMA SURFACING TONS	INCIDENTAL BIT. MAT'L (TACK COAT) POUND	INCIDENTAL BIT. MAT'L (TACK COAT) POUND	COMMENT
				ENT TONS	MBTO TONS						
679+23	LT	CE	CONCRETE		1.0	14.2		1.2	9.6		
686+39	RT	PE	AGG	0.8	1.0						
686+39	LT	PE	AGG	1.0	1.0						
689+80	RT	PE	AGG	0.4	1.0						
692+38	RT	PE	AGG	1.3	1.0						
697+06	RT	PE	AGG	0.5	1.0						
698+87	RT	CE	HMA		1.0	14.2		1.2	9.6		
699+48	RT	CE	AGG	0.7	1.0						
700+11	RT	CE	AGG	0.4	1.0						
702+56	LT	PE	AGG	1.3	1.0						
703+08	RT	PE	AGG	0.4	1.0						
706+82	RT	FE	EARTH	0.3	1.0						
707+80	RT	PE	HMA		1.0	7.1		0.6	4.8		
713+21	RT	FE	EARTH	0.3	1.0						
714+76	LT	CE	AGG	0.3	1.0						
714+83	RT	CE	AGG	0.4	1.0						
717+46	LT	CE	AGG	0.3	1.0						
717+59	RT	SR	HMA					6.9	37.1	82.5	N DEER PARK DR
719+33	LT	FE	AGG	0.4	1.0						
724+89	RT	PE	HMA		1.0	21.3		1.8	14.4		
726+25	RT	CE	HMA		1.0	17.8		2.1	12.0		
726+25	LT	CE	AGG	0.4	1.0						
729+24	RT	PE	AGG	0.7	1.0						
735+34	LT	FE	AGG	0.3	1.0						
736+22	RT	PE	AGG	0.8	1.0						
738+97	LT	PE	AGG	0.5	1.0						
740+07	RT	SR	HMA		0.0			9.5	50.6	112.5	STIEGLITZ RD
740+92	RT	PE	AGG	0.8	1.0						
743+97	RT	PE	HMA		1.0	11.1		0.9	7.5		
751+63	LT	CE	AGG	1.2	1.0						
756+75											END PROJECT
SUBTOTAL				13.8	28.0	85.8	0.0	24.1	145.7	195.0	
TOTAL				220.4		392.7	1305.1	261.7	1487.2	1410.7	
ROUNDED TOTAL				221.0		393.0	1306.0	262.0	1488.0	1411.0	

THICKNESS

INCIDENTAL RESURFACING THICKNESS = AVG 1" FOR ENTRANCES AND 1 1/2" FOR SIDEROADS

APPLICATION RATES

TACK COAT = 0.05 LBS/SQ FT

BITUMINOUS = .056

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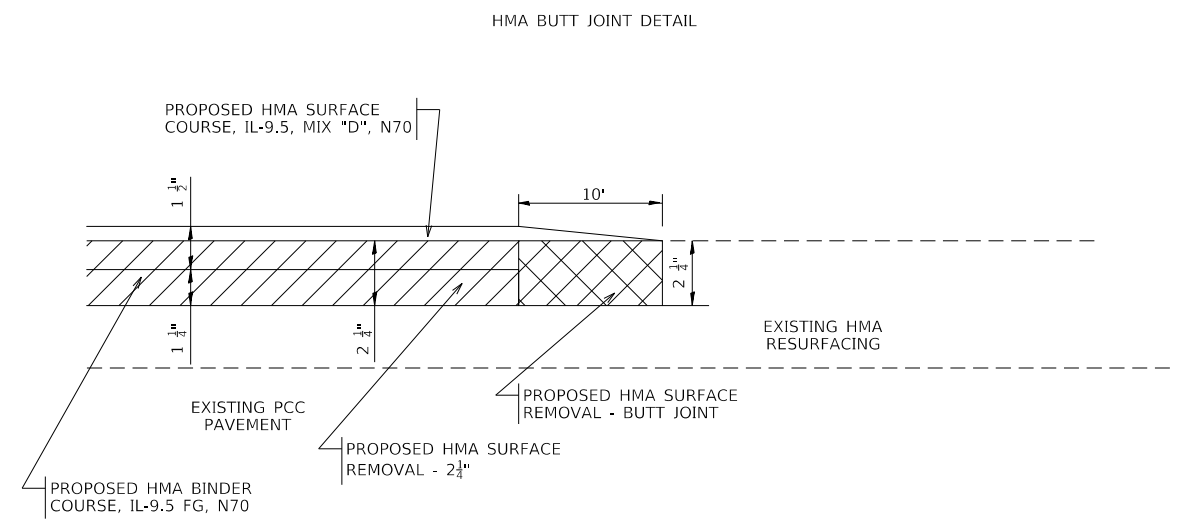
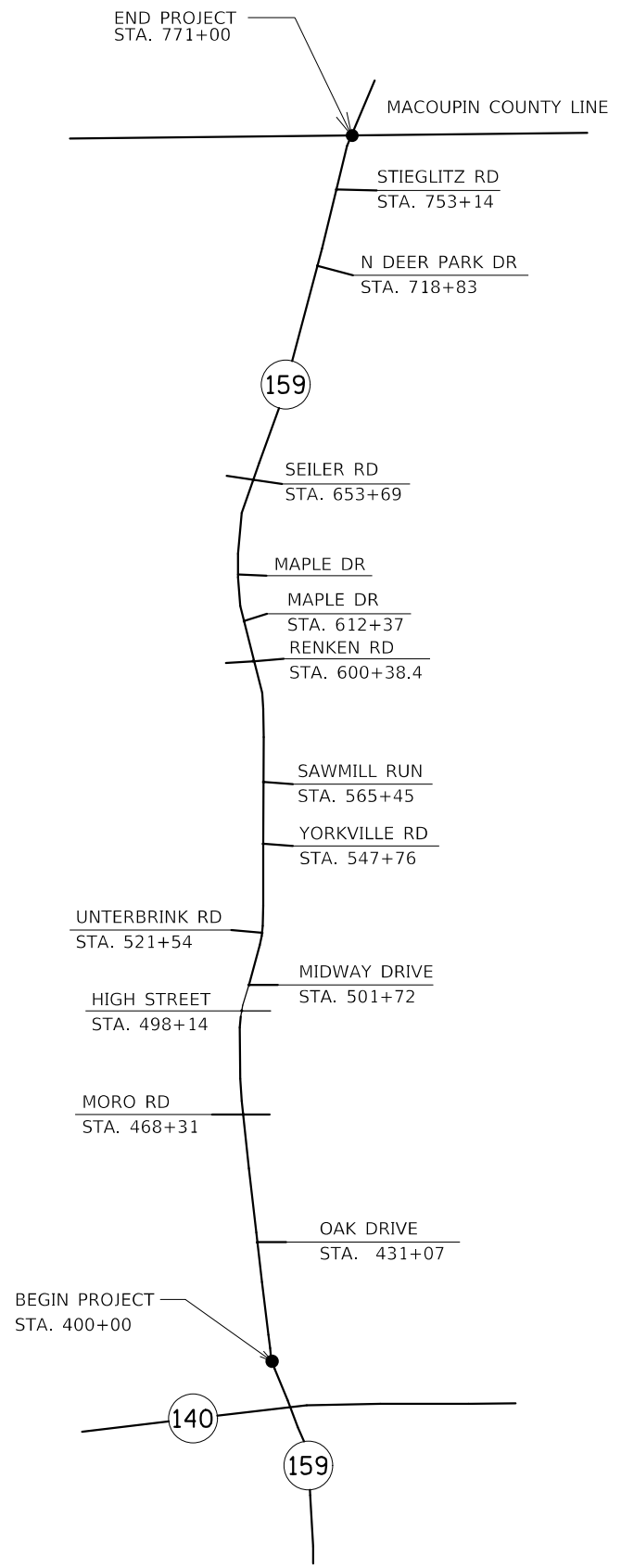
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: NA SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	22
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



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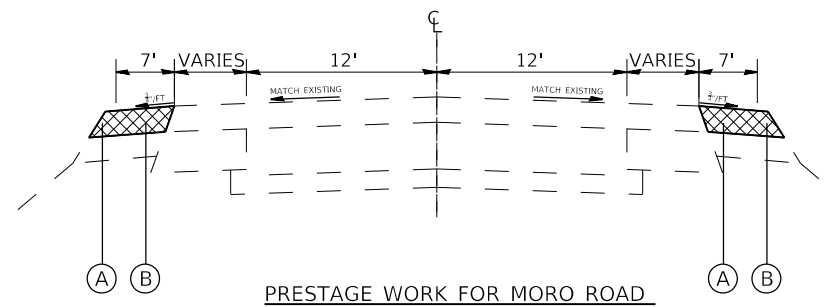
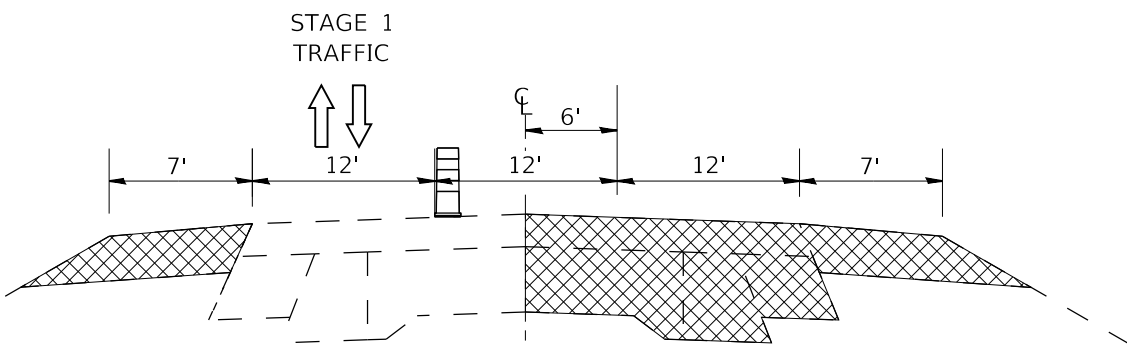
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PLOT DATE = 12/11/2020	CHECKED -	REVISIED -
	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SITE MAP AND BUTT JOINT DETAIL			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M84	

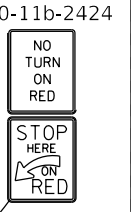
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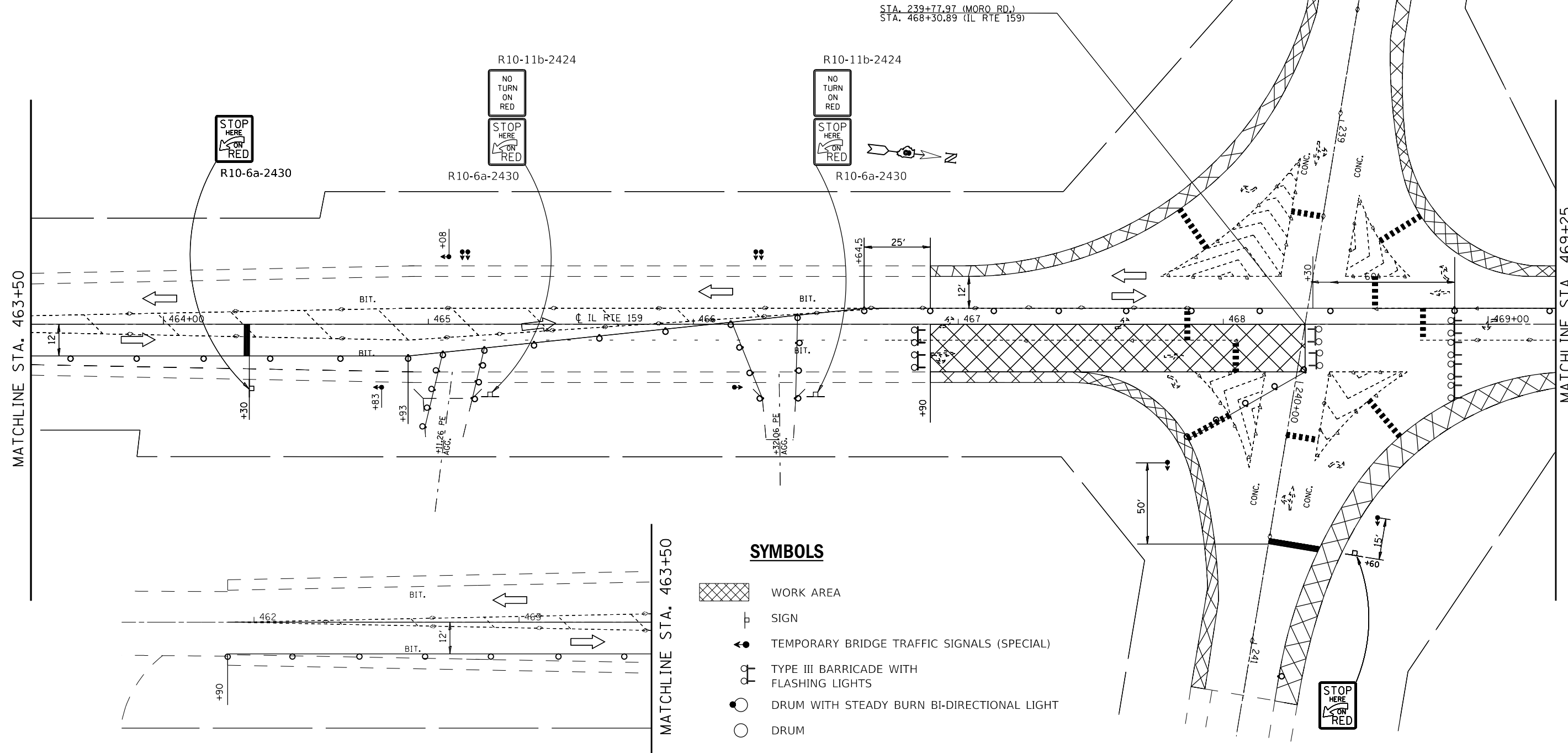
- PRESTAGE WORK FOR MORO ROAD**
- (A) PROPOSED HMA SURFACE REMOVAL-4"
 - (B) PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, - 1 1/2"



R10-6a-2430



R10-6a-2430



SYMBOLS

- WORK AREA
- SIGN
- TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM

USER NAME = manntm	DESIGNED -	REVISED -
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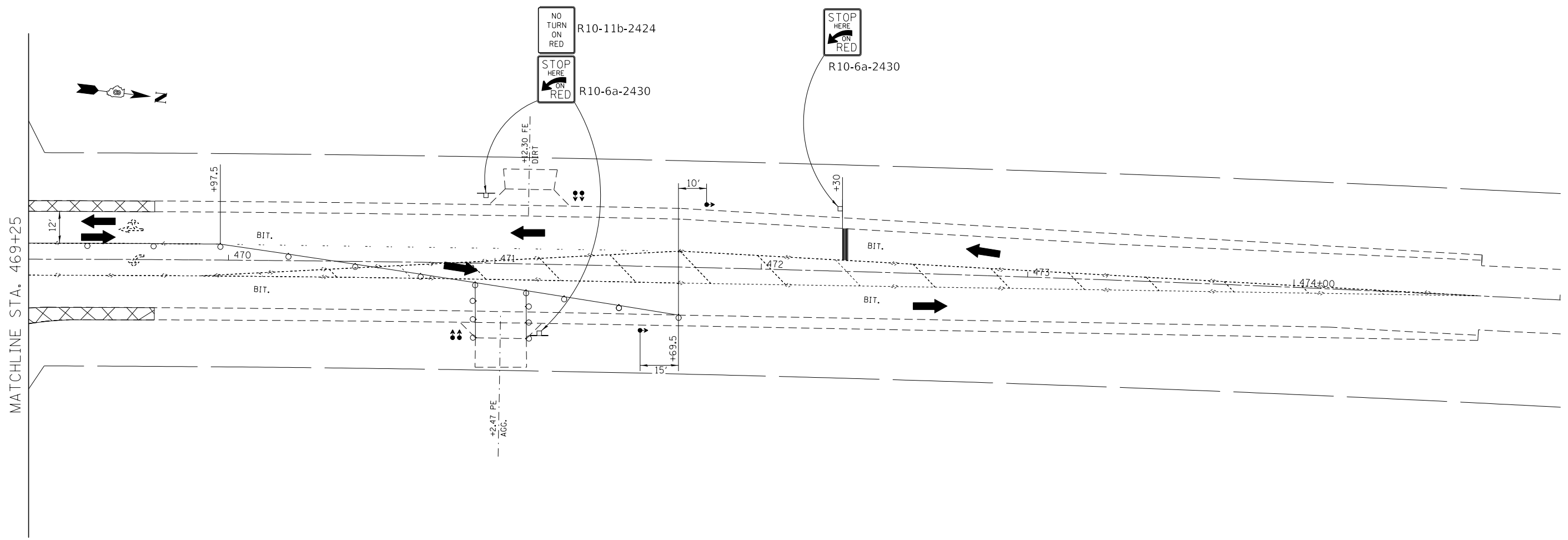
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION

SCALE: 1"=20' SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	24
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				







MATCHLINE STA. 469+25



STAGE CONSTRUCTION NOTES

1. THE PROPOSED SHOULDER WORK ON MORO ROAD (SEE MORO ROAD TYPICAL) SHALL BE COMPLETED PRIOR TO BEGINNING STAGE 1 CONSTRUCTION. THIS WORK WILL BE DONE UNDER TRAFFIC CONTROL STANDARD 701701.
2. ALL CONFLICTING PAVEMENT MARKING SHALL BE COVERED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION.
3. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 2 WEEKS PRIOR TO CONSTRUCTION AND AT THE DIRECTION OF THE ENGINEER.
4. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
5. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE PREPARED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
6. SEE STANDARDS 701316 AND 701501 FOR ADDITIONAL INFORMATION NOT SHOWN.
7. THE ENGINEER MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO PLACING THE TEMPORARY SIGNALS IN OPERATION SO THAT ARRANGEMENTS CAN BE MADE TO INSPECT THE INSTALLATION AND SET THE TIMING OF THE SIGNALS.
8. AT ANY TIME THAT THE SIGNALS ARE NOT OPERATING THE SIGNAL HEAD SHALL BE HOODED AND THE SIGNAL AHEAD SIGN COVERED OR REMOVED.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. PAVEMENT REMOVAL AND THE CONCRETE PAVEMENT RECONSTRUCTION FOR EACH STAGE SHALL BE COMPLETED IN 3 CALENDAR DAYS AS PER THE STANDARD SPECIFICATIONS, HIGHWAY STANDARD 701316, AND AS SHOWN IN THE STAGE CONSTRUCTION PLANS.
11. MORO ROAD CONSTRUCTION ACTIVITIES WILL BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701501.
12. STAGE 3 CONSTRUCTION SHALL HAVE THE FOLLOWING TURN RESTRICTIONS AND WILL REQUIRE ADDITIONAL SIGNAGE:
 NO LEFT TURN FROM NORTHBOUND IL 159 ONTO WESTBOUND MORO ROAD;
 NO RIGHT TURN FROM EASTBOUND MORO ROAD ONTO SOUTHBOUND IL 159;
 NO LEFT TURN FROM EASTBOUND MORO ROAD ONTO NORTHBOUND IL 159; AND
 NO RIGHT TURN FROM SOUTHBOUND IL 159 ONTO WESTBOUND MORO ROAD.
 THESE SIGNS WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE, AT (618) 394-2189.
13. THE ABOVE NOTED SIGNS WILL BE PLACED TO FIT FIELD CONDITIONS AS DIRECTED BY THE R E /R.T. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS DETERMINED. THE HEIGHT TO THE BOTTOM OF SIGNS SHALL NOT BE LESS THAN 6'. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
14. ACCESS TO PUBLIC ROADS AND PRIVATE ENTRANCES SHALL BE MAINTAINED DURING ALL STAGES OF THE WORK.
15. SEE THE SPECIAL PROVISION, TRAFFIC CONTROL AND PROTECTION STANDARD 701316 (SPECIAL), FOR ADDITIONAL DETAILS AND INFORMATION.
16. SIGNAL LOCATIONS NOT SHOWN SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE TRAFFIC CONTROL ENGINEER AND THE RE/RT.

SYMBOLS

-  WORK AREA
-  SIGN
-  TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM

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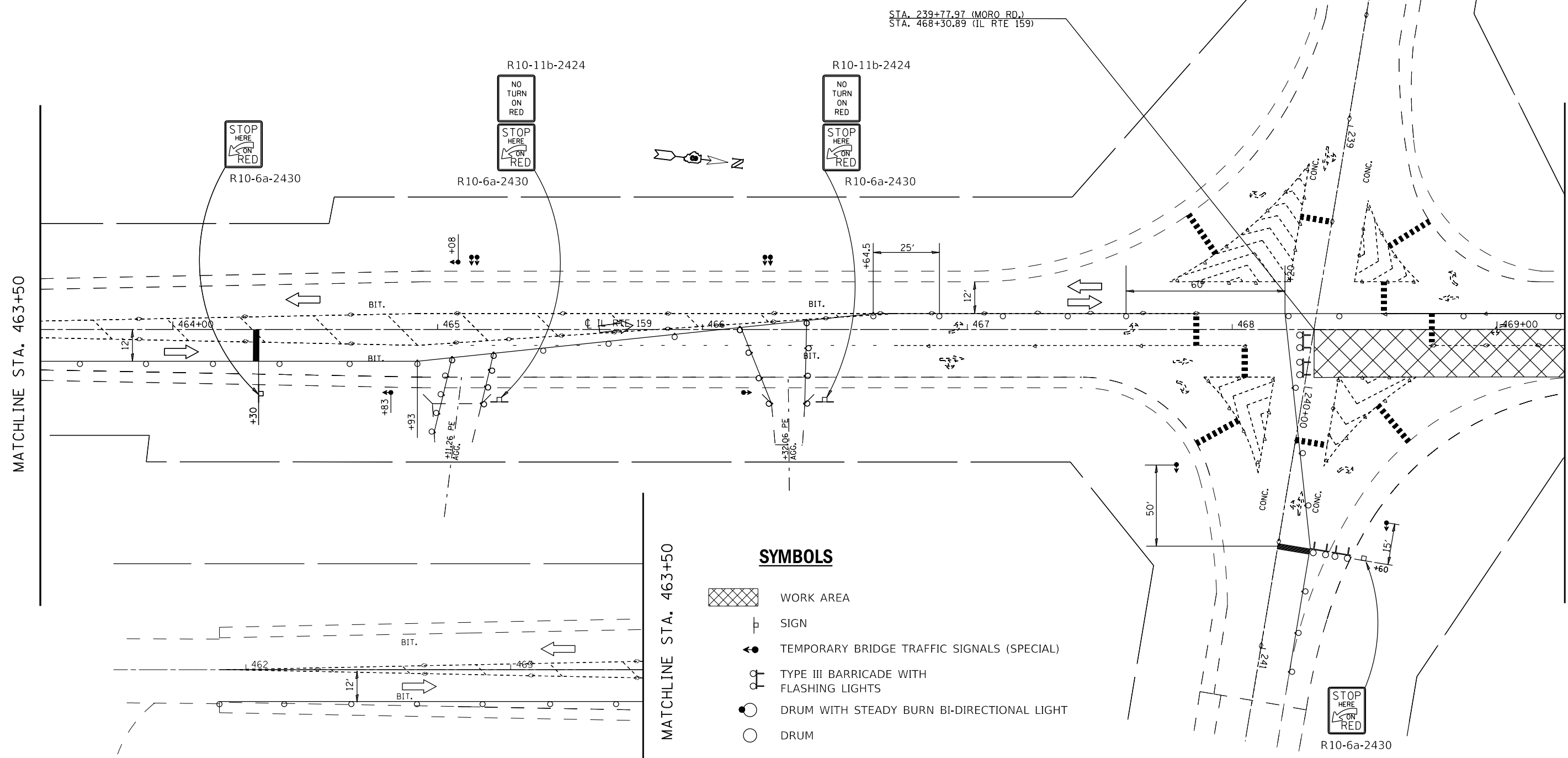
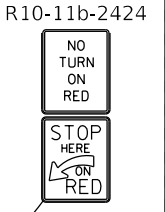
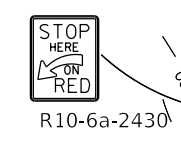
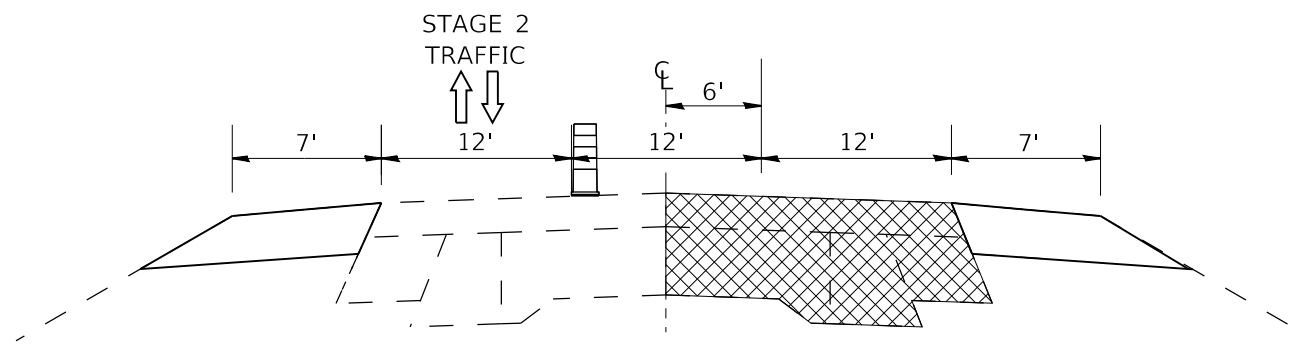
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	25
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



SYMBOLS

- WORK AREA
- SIGN
- TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM

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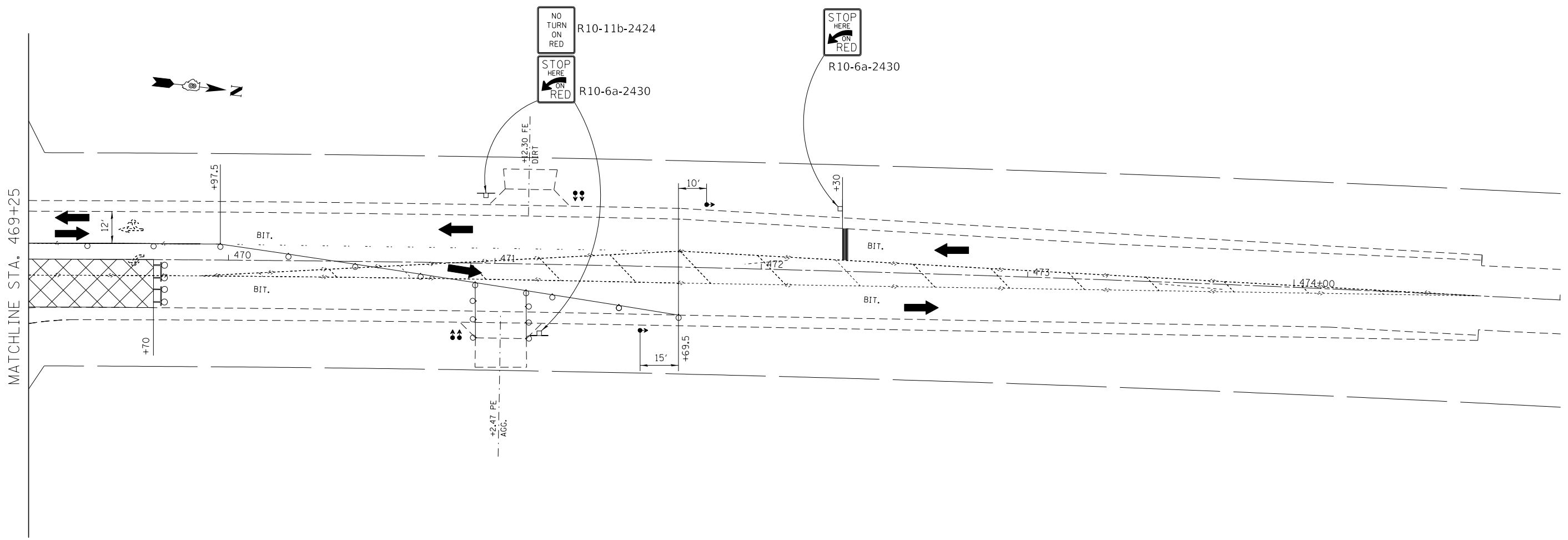
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2 CONSTRUCTION

SCALE: 1"=20' SHEET 3 OF 8 SHEETS STA. TO STA.







F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	26
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	



STAGE CONSTRUCTION NOTES

1. THE PROPOSED SHOULDER WORK ON MORO ROAD (SEE MORO ROAD TYPICAL) SHALL BE COMPLETED PRIOR TO BEGINNING STAGE 1 CONSTRUCTION. THIS WORK WILL BE DONE UNDER TRAFFIC CONTROL STANDARD 701701.
2. ALL CONFLICTING PAVEMENT MARKING SHALL BE COVERED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION.
3. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 2 WEEKS PRIOR TO CONSTRUCTION AND AT THE DIRECTION OF THE ENGINEER.
4. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
5. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE PREPARED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
6. SEE STANDARDS 701316 AND 701501 FOR ADDITIONAL INFORMATION NOT SHOWN.
7. THE ENGINEER MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO PLACING THE TEMPORARY SIGNALS IN OPERATION SO THAT ARRANGEMENTS CAN BE MADE TO INSPECT THE INSTALLATION AND SET THE TIMING OF THE SIGNALS.
8. AT ANY TIME THAT THE SIGNALS ARE NOT OPERATING THE SIGNAL HEAD SHALL BE HOODED AND THE SIGNAL AHEAD SIGN COVERED OR REMOVED.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. PAVEMENT REMOVAL AND THE CONCRETE PAVEMENT RECONSTRUCTION FOR EACH STAGE SHALL BE COMPLETED IN 3 CALENDAR DAYS AS PER THE STANDARD SPECIFICATIONS, HIGHWAY STANDARD 701316, AND AS SHOWN IN THE STAGE CONSTRUCTION PLANS.
11. MORO ROAD CONSTRUCTION ACTIVITIES WILL BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701501.
12. STAGE 3 CONSTRUCTION SHALL HAVE THE FOLLOWING TURN RESTRICTIONS AND WILL REQUIRE ADDITIONAL SIGNAGE:
 NO LEFT TURN FROM NORTHBOUND IL 159 ONTO WESTBOUND MORO ROAD;
 NO RIGHT TURN FROM EASTBOUND MORO ROAD ONTO SOUTHBOUND IL 159;
 NO LEFT TURN FROM EASTBOUND MORO ROAD ONTO NORTHBOUND IL 159; AND
 NO RIGHT TURN FROM SOUTHBOUND IL 159 ONTO WESTBOUND MORO ROAD.
 THESE SIGNS WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE, AT (618) 394-2189.
13. THE ABOVE NOTED SIGNS WILL BE PLACED TO FIT FIELD CONDITIONS AS DIRECTED BY THE R E /R.T. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS DETERMINED. THE HEIGHT TO THE BOTTOM OF SIGNS SHALL NOT BE LESS THAN 6'. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
14. ACCESS TO PUBLIC ROADS AND PRIVATE ENTRANCES SHALL BE MAINTAINED DURING ALL STAGES OF THE WORK.
15. SEE THE SPECIAL PROVISION, TRAFFIC CONTROL AND PROTECTION STANDARD 701316 (SPECIAL), FOR ADDITIONAL DETAILS AND INFORMATION.
16. SIGNAL LOCATIONS NOT SHOWN SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE TRAFFIC CONTROL ENGINEER AND THE RE/RT.

SYMBOLS

-  WORK AREA
-  SIGN
-  TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM

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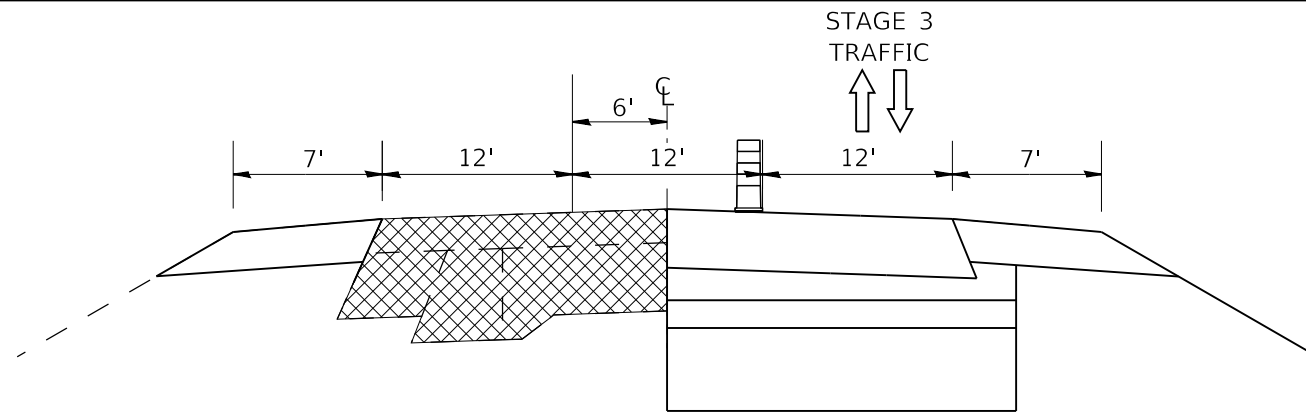
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

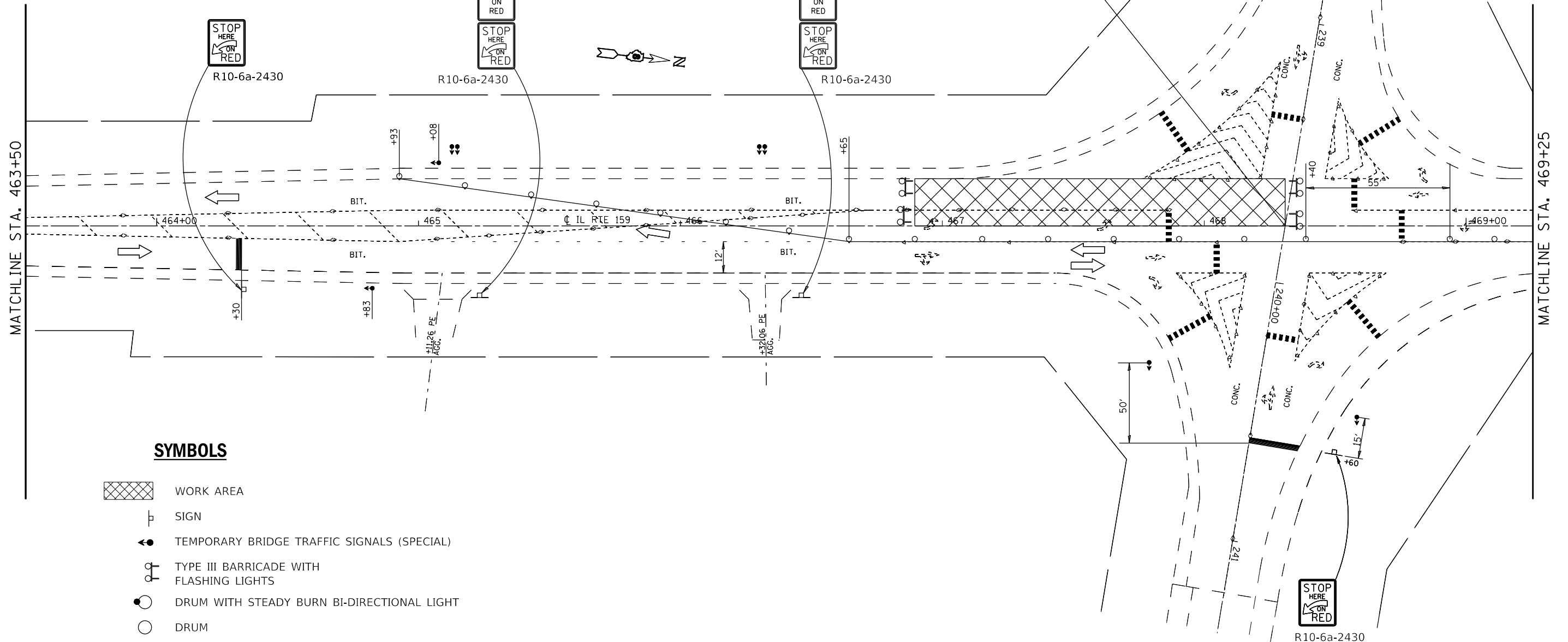
STAGE 2 CONSTRUCTION

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




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M84	



STA. 239+77.97 (MORO RD.)
 STA. 468+30.89 (IL RTE 159)



SYMBOLS

-  WORK AREA
-  SIGN
-  TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM

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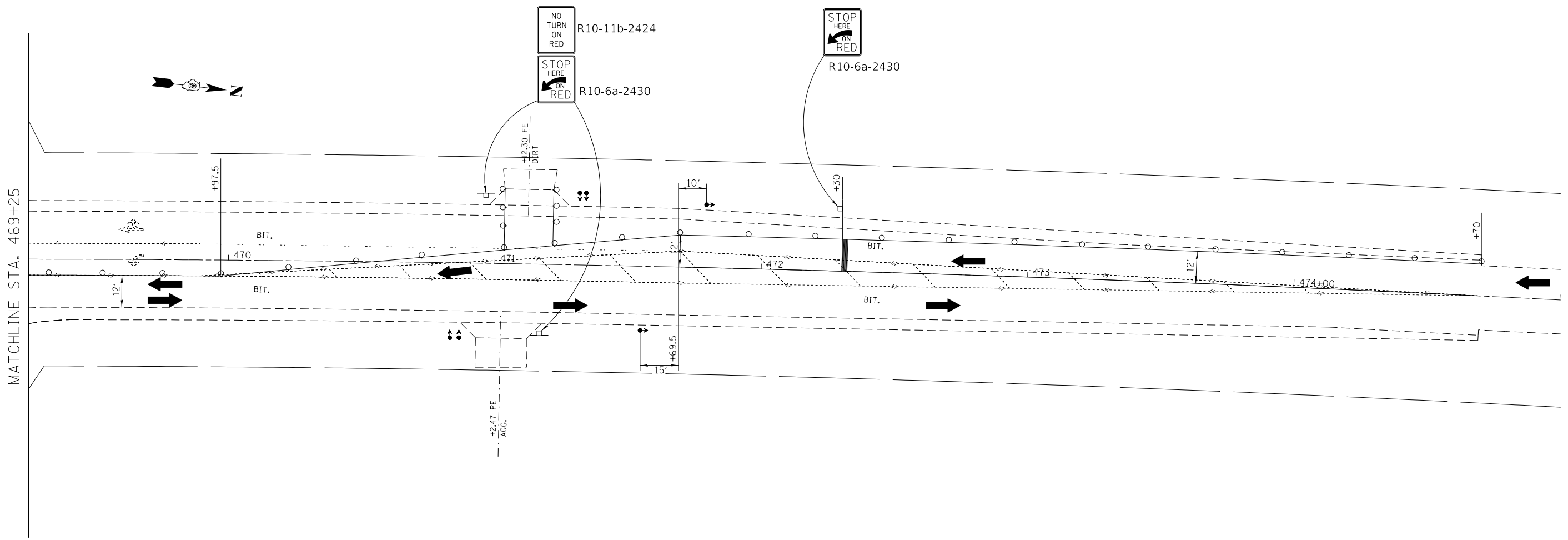
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

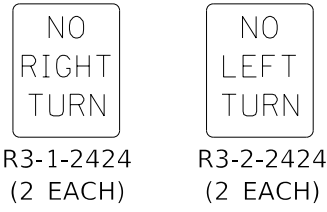
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STAGE 3 CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	28
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



SIGNS TO BE PROVIDED BY IDOT



SYMBOLS

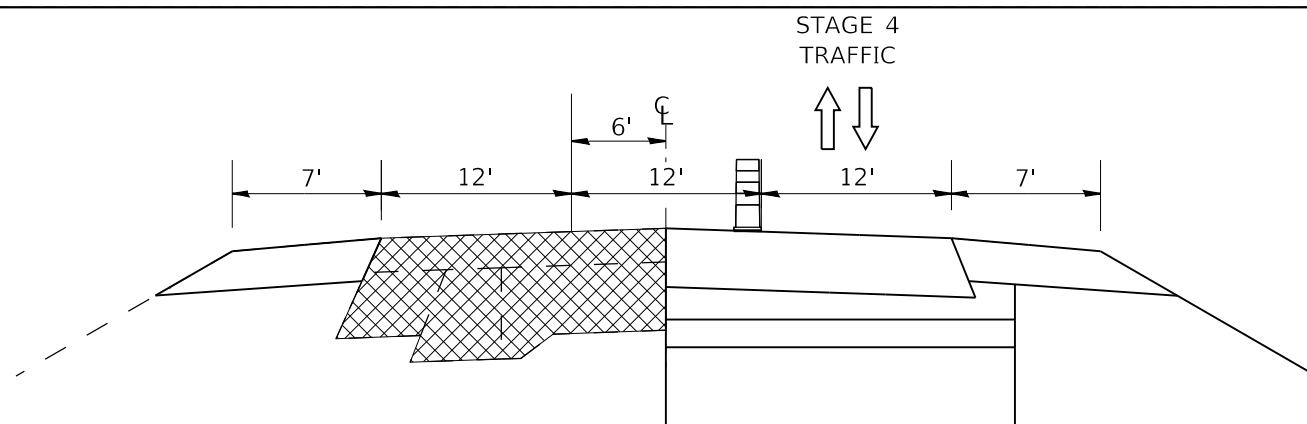
- WORK AREA
- SIGN
- TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM

STAGE CONSTRUCTION NOTES

1. THE PROPOSED SHOULDER WORK ON MORO ROAD (SEE MORO ROAD TYPICAL) SHALL BE COMPLETED PRIOR TO BEGINNING STAGE 1 CONSTRUCTION. THIS WORK WILL BE DONE UNDER TRAFFIC CONTROL STANDARD 701701.
2. ALL CONFLICTING PAVEMENT MARKING SHALL BE COVERED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION.
3. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 2 WEEKS PRIOR TO CONSTRUCTION AND AT THE DIRECTION OF THE ENGINEER.
4. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
5. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE PREPARED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
6. SEE STANDARDS 701316 AND 701501 FOR ADDITIONAL INFORMATION NOT SHOWN.
7. THE ENGINEER MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO PLACING THE TEMPORARY SIGNALS IN OPERATION SO THAT ARRANGEMENTS CAN BE MADE TO INSPECT THE INSTALLATION AND SET THE TIMING OF THE SIGNALS.
8. AT ANY TIME THAT THE SIGNALS ARE NOT OPERATING THE SIGNAL HEAD SHALL BE HOODED AND THE SIGNAL AHEAD SIGN COVERED OR REMOVED.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. PAVEMENT REMOVAL AND THE CONCRETE PAVEMENT RECONSTRUCTION FOR EACH STAGE SHALL BE COMPLETED IN 3 CALENDAR DAYS AS PER THE STANDARD SPECIFICATIONS, HIGHWAY STANDARD 701316, AND AS SHOWN IN THE STAGE CONSTRUCTION PLANS.
11. MORO ROAD CONSTRUCTION ACTIVITIES WILL BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701501.
12. STAGE 3 CONSTRUCTION SHALL HAVE THE FOLLOWING TURN RESTRICTIONS AND WILL REQUIRE ADDITIONAL SIGNAGE:
 NO LEFT TURN FROM NORTHBOUND IL 159 ONTO WESTBOUND MORO ROAD;
 NO RIGHT TURN FROM EASTBOUND MORO ROAD ONTO SOUTHBOUND IL 159;
 NO LEFT TURN FROM EASTBOUND MORO ROAD ONTO NORTHBOUND IL 159; AND
 NO RIGHT TURN FROM SOUTHBOUND IL 159 ONTO WESTBOUND MORO ROAD.
 THESE SIGNS WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE, AT (618) 394-2189.
13. THE ABOVE NOTED SIGNS WILL BE PLACED TO FIT FIELD CONDITIONS AS DIRECTED BY THE R E /R.T. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS DETERMINED. THE HEIGHT TO THE BOTTOM OF SIGNS SHALL NOT BE LESS THAN 6'. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
14. ACCESS TO PUBLIC ROADS AND PRIVATE ENTRANCES SHALL BE MAINTAINED DURING ALL STAGES OF THE WORK.
15. SEE THE SPECIAL PROVISION, TRAFFIC CONTROL AND PROTECTION STANDARD 701316 (SPECIAL), FOR ADDITIONAL DETAILS AND INFORMATION.
16. SIGNAL LOCATIONS NOT SHOWN SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE TRAFFIC CONTROL ENGINEER AND THE RE/RT.

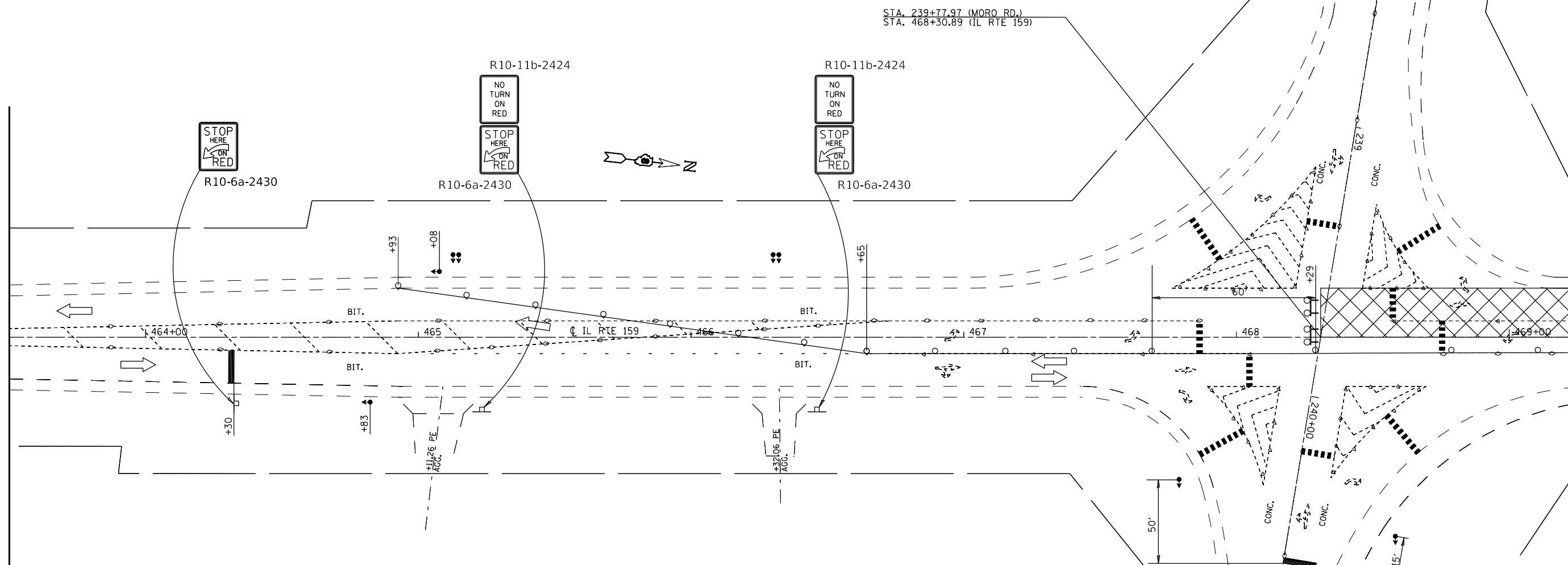
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SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. TO STA.						ILLINOIS FED. AID PROJECT CONTRACT NO. 76M84											



MATCHLINE STA. 463+50

MATCHLINE STA. 469+25



SYMBOLS

- WORK AREA
- SIGN
- TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM

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 OFFICE: \\OFFICE
 DATE: 1/12/2021

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PLOT DATE = 1/12/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 4 CONSTRUCTION

SCALE: 1"=20' SHEET 8 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	30
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

R10-11b-2424
NO TURN ON RED
STOP HERE ON RED
R10-6a-2430

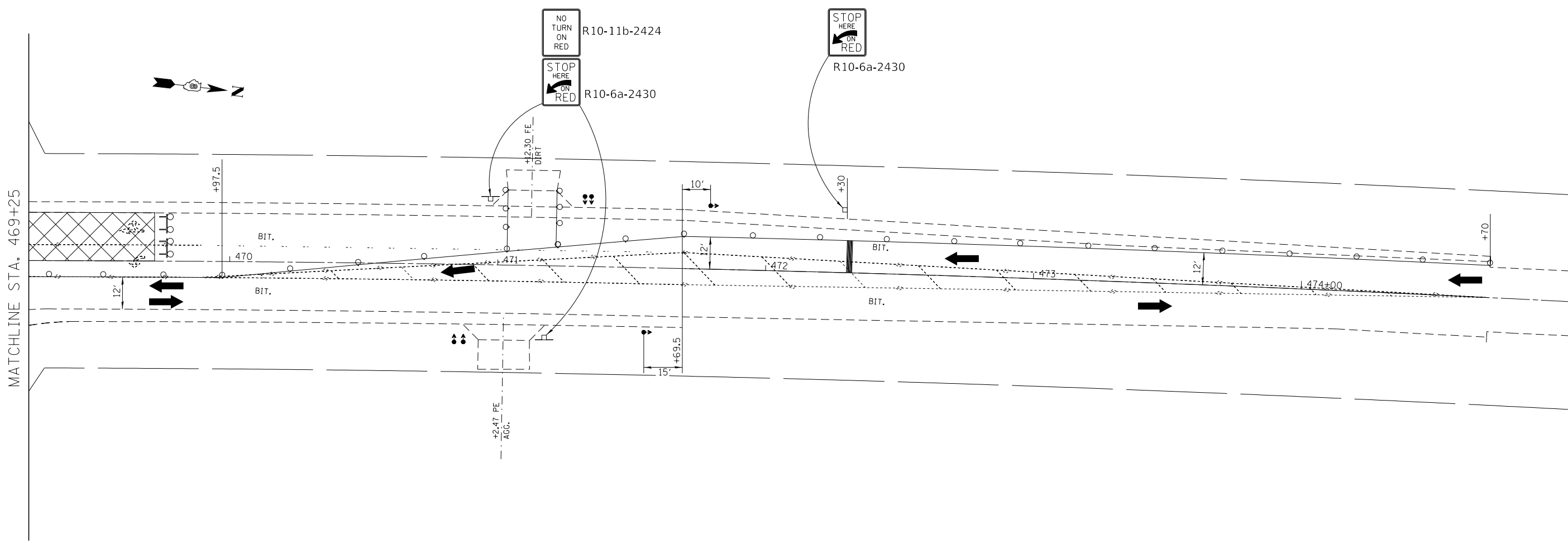
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R10-11b-2424
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R10-11b-2424
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STOP HERE ON RED

R10-6a-2430
STOP HERE ON RED

STA. 239+77.97 (MORO RD.)
STA. 468+30.89 (IL RTE 159)



STAGE CONSTRUCTION NOTES

1. THE PROPOSED SHOULDER WORK ON MORO ROAD (SEE MORO ROAD TYPICAL) SHALL BE COMPLETED PRIOR TO BEGINNING STAGE 1 CONSTRUCTION. THIS WORK WILL BE DONE UNDER TRAFFIC CONTROL STANDARD 701701.
2. ALL CONFLICTING PAVEMENT MARKING SHALL BE COVERED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION.
3. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 2 WEEKS PRIOR TO CONSTRUCTION AND AT THE DIRECTION OF THE ENGINEER.
4. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
5. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE PREPARED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
6. SEE STANDARDS 701316 AND 701501 FOR ADDITIONAL INFORMATION NOT SHOWN.
7. THE ENGINEER MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO PLACING THE TEMPORARY SIGNALS IN OPERATION SO THAT ARRANGEMENTS CAN BE MADE TO INSPECT THE INSTALLATION AND SET THE TIMING OF THE SIGNALS.
8. AT ANY TIME THAT THE SIGNALS ARE NOT OPERATING THE SIGNAL HEAD SHALL BE HOODED AND THE SIGNAL AHEAD SIGN COVERED OR REMOVED.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. PAVEMENT REMOVAL AND THE CONCRETE PAVEMENT RECONSTRUCTION FOR EACH STAGE SHALL BE COMPLETED IN 3 CALENDAR DAYS AS PER THE STANDARD SPECIFICATIONS, HIGHWAY STANDARD 701316, AND AS SHOWN IN THE STAGE CONSTRUCTION PLANS.
11. MORO ROAD CONSTRUCTION ACTIVITIES WILL BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701501.
12. STAGE 3 CONSTRUCTION SHALL HAVE THE FOLLOWING TURN RESTRICTIONS AND WILL REQUIRE ADDITIONAL SIGNAGE:
 - NO LEFT TURN FROM NORTHBOUND IL 159 ONTO WESTBOUND MORO ROAD;
 - NO RIGHT TURN FROM EASTBOUND MORO ROAD ONTO SOUTHBOUND IL 159;
 - NO LEFT TURN FROM EASTBOUND MORO ROAD ONTO NORTHBOUND IL 159; AND
 - NO RIGHT TURN FROM SOUTHBOUND IL 159 ONTO WESTBOUND MORO ROAD.
 THESE SIGNS WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FAIRVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE, AT (618) 394-2189.
13. THE ABOVE NOTED SIGNS WILL BE PLACED TO FIT FIELD CONDITIONS AS DIRECTED BY THE R E /R.T. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS DETERMINED. THE HEIGHT TO THE BOTTOM OF SIGNS SHALL NOT BE LESS THAN 6'. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
14. ACCESS TO PUBLIC ROADS AND PRIVATE ENTRANCES SHALL BE MAINTAINED DURING ALL STAGES OF THE WORK.
15. SEE THE SPECIAL PROVISION, TRAFFIC CONTROL AND PROTECTION STANDARD 701316 (SPECIAL), FOR ADDITIONAL DETAILS AND INFORMATION.
16. SIGNAL LOCATIONS NOT SHOWN SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE TRAFFIC CONTROL ENGINEER AND THE RE/RT.

SYMBOLS

- WORK AREA
- SIGN
- TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- DRUM

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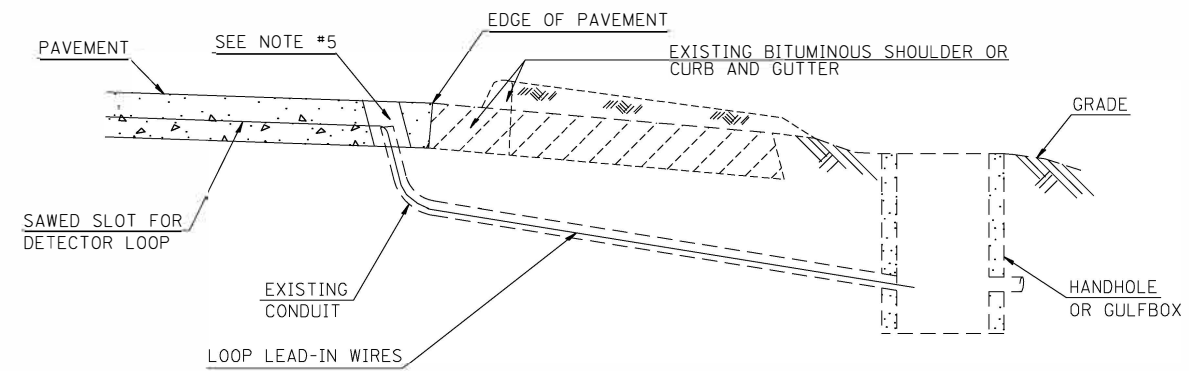
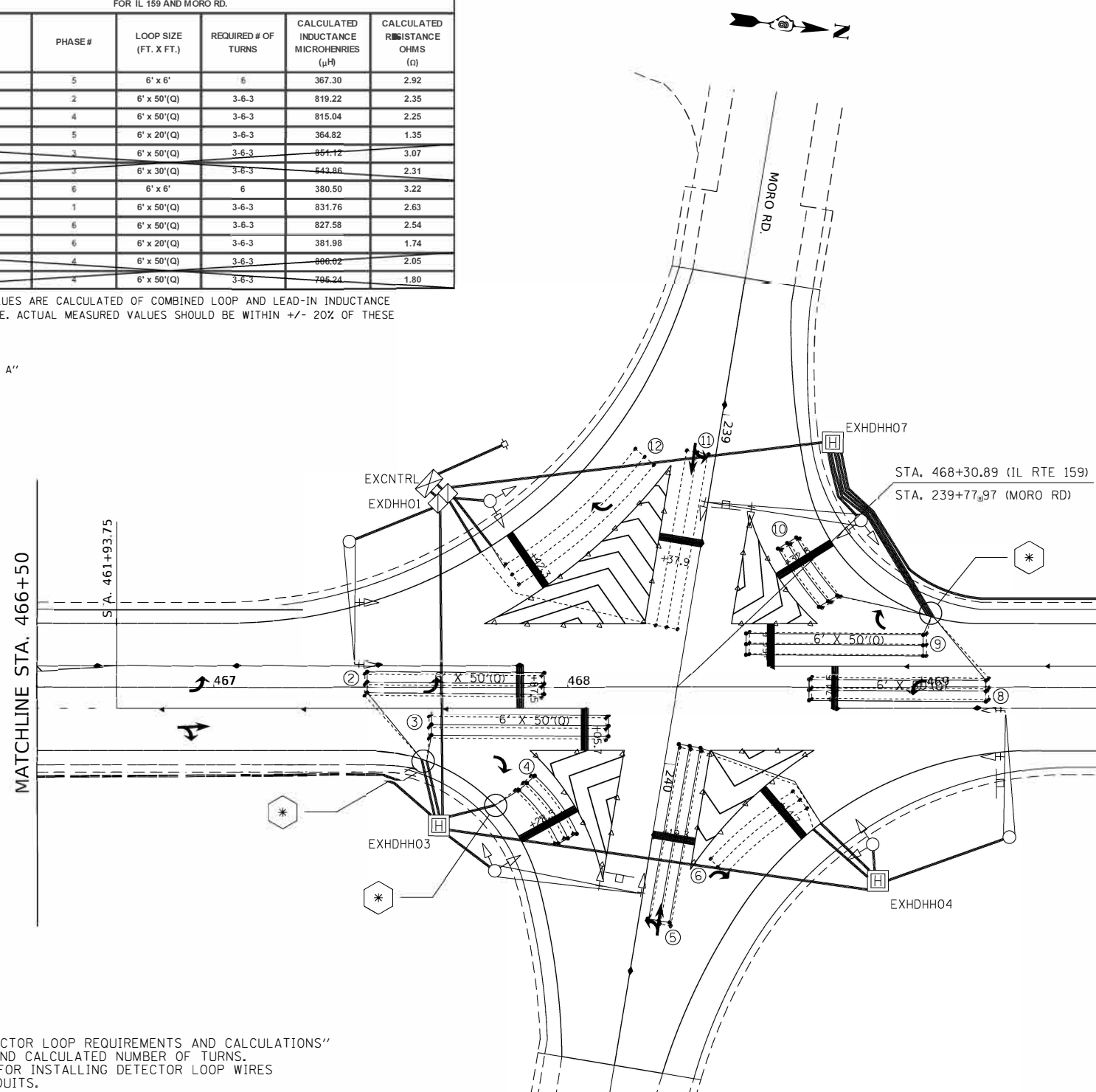
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						SCALE: 1"=20'			SHEET 8 OF 8 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT CONTRACT NO. 76M84					

DETECTOR LOOP 161 REQUIREMENTS AND CALCULATIONS					
FOR IL 159 AND MORO RD.					
LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μ H)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO	5	6' x 6'	6	367.30	2.92
2. NB LT CD	2	6' x 50'(Q)	3-6-3	819.22	2.35
3. NB THRU CD	4	6' x 50'(Q)	3-6-3	815.04	2.25
4. NB RT CD	5	6' x 20'(Q)	3-6-3	364.82	1.35
5. WB THRU CD	3	6' x 50'(Q)	3-6-3	851.12	3.07
6. WB RT CD	3	6' x 30'(Q)	3-6-3	543.86	2.31
7. SB CCO	6	6' x 6'	6	380.50	3.22
8. SBLT CD	1	6' x 50'(Q)	3-6-3	831.76	2.63
9. SB THRU CD	6	6' x 50'(Q)	3-6-3	827.58	2.54
10. SB RT CD	6	6' x 20'(Q)	3-6-3	381.98	1.74
11. EB THRU CD	4	6' x 50'(Q)	3-6-3	866.02	2.05
12. EB RT CD	4	6' x 50'(Q)	3-6-3	795.24	1.80

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

*=SEE "DETAIL A"



DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

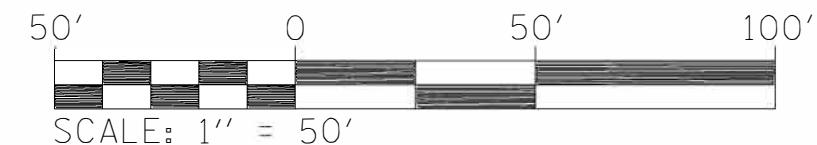
DETECTOR LOOP REPLACEMENT LEGEND

- EX. HANDHOLE
- EX. DETECTOR LOOP
- EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- PROPOSED DETECTOR LOOP

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.
SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 159 & MORO RD.
CODE NO	ITEM	UNIT		
80300100	LOCATING UNDERGROUND CABLE	FOOT	50	50
88600600	DETECTOR LOOP REPLACEMENT	FOOT	944	944



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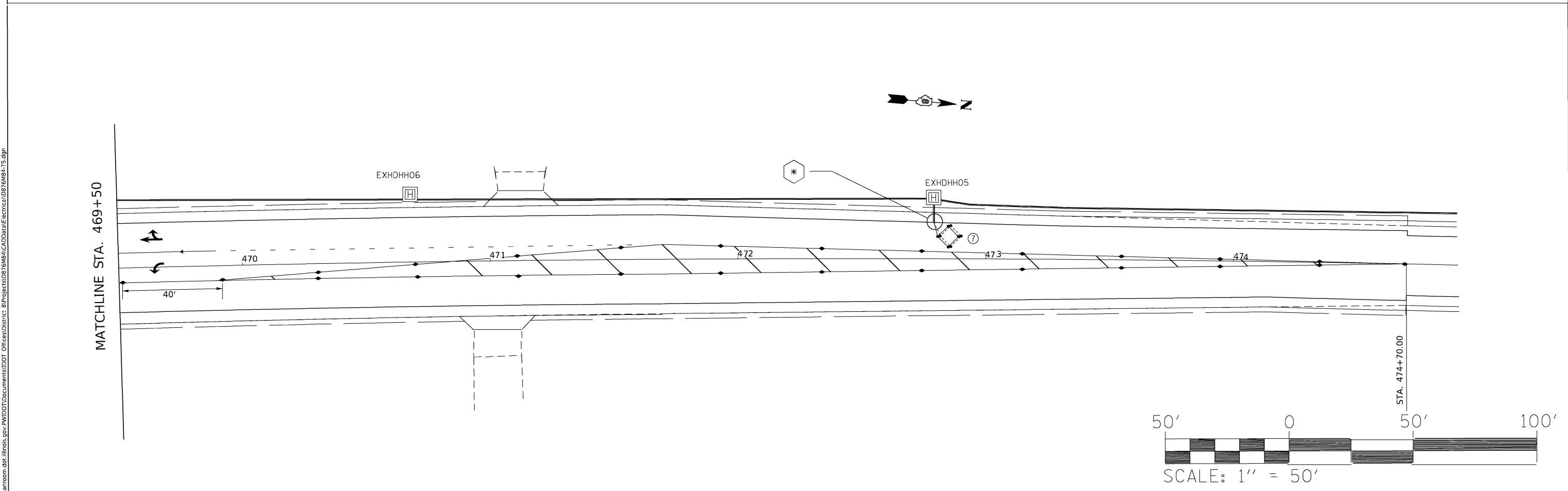
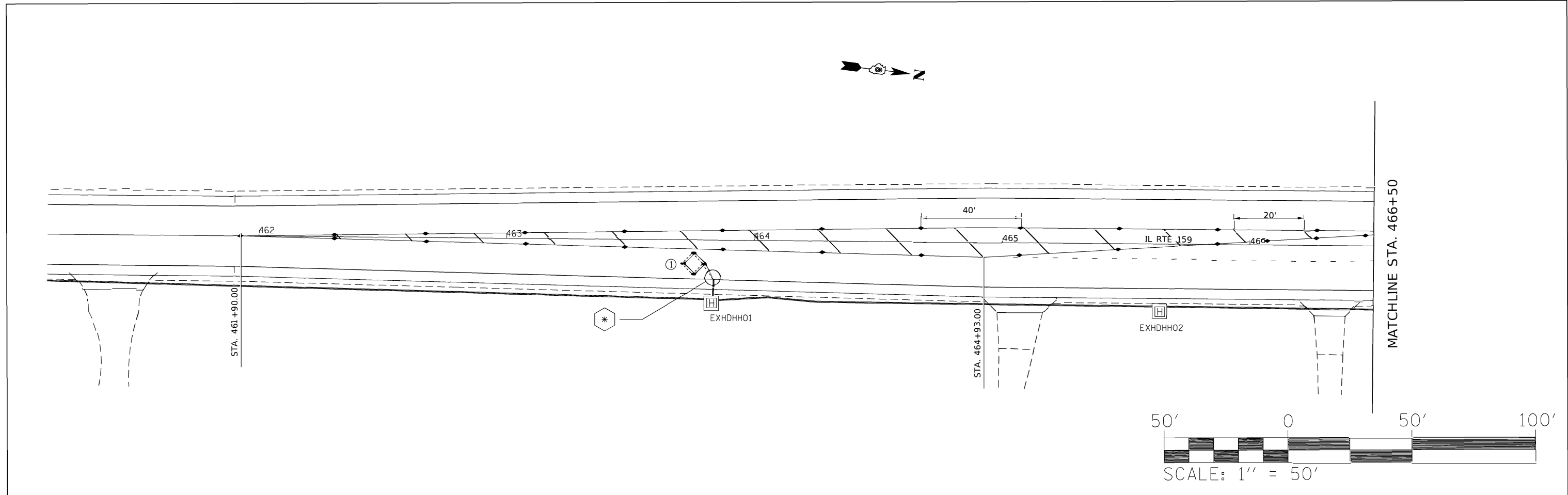
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MORO RD./IL 159
DETECTOR LOOP REPLACEMENT PLAN
1 OF 2

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	32
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				

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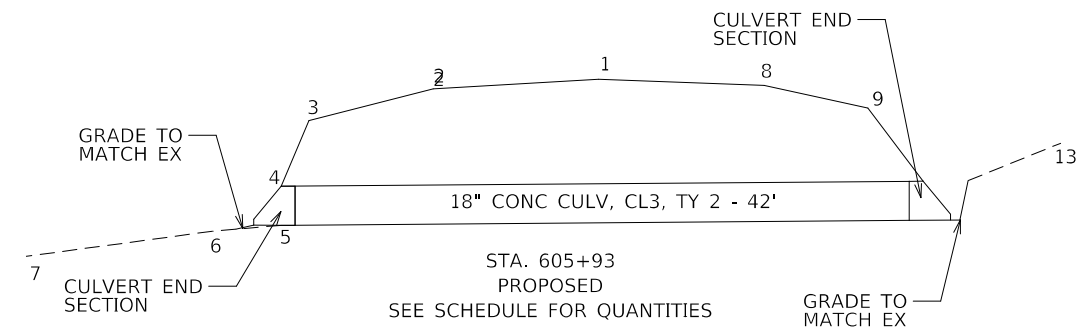
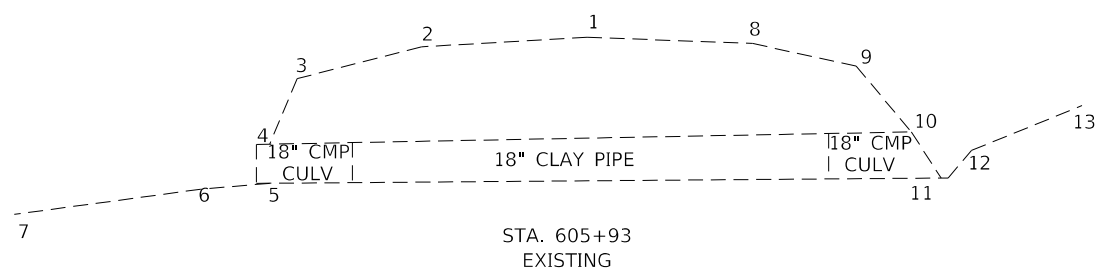
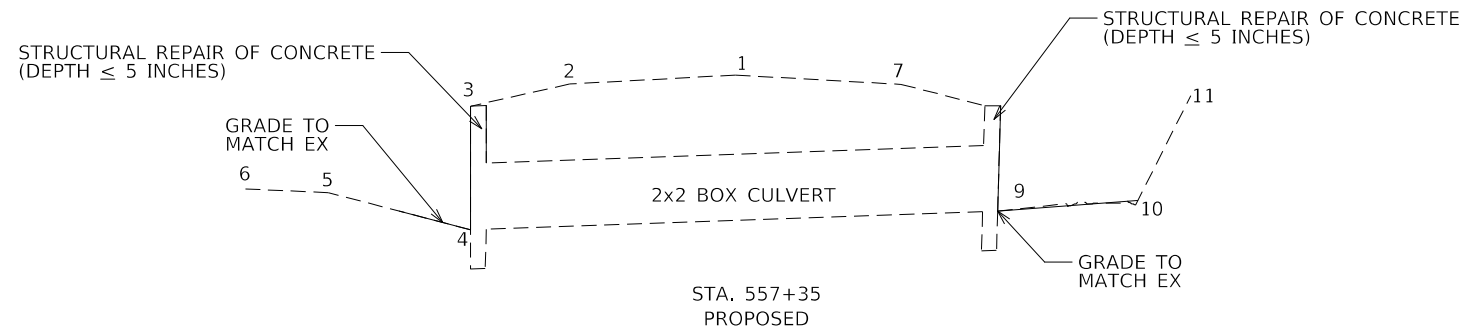
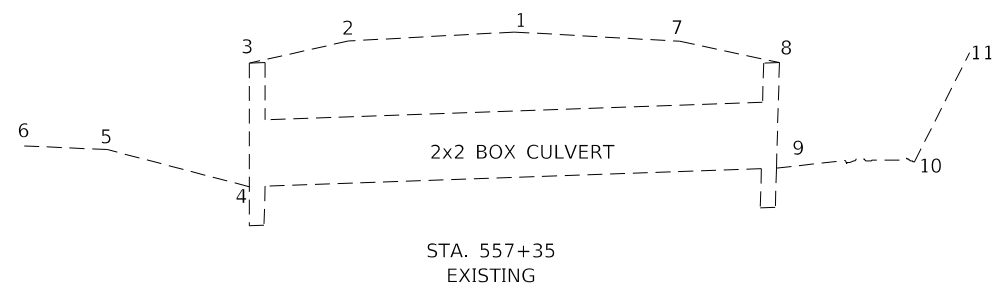
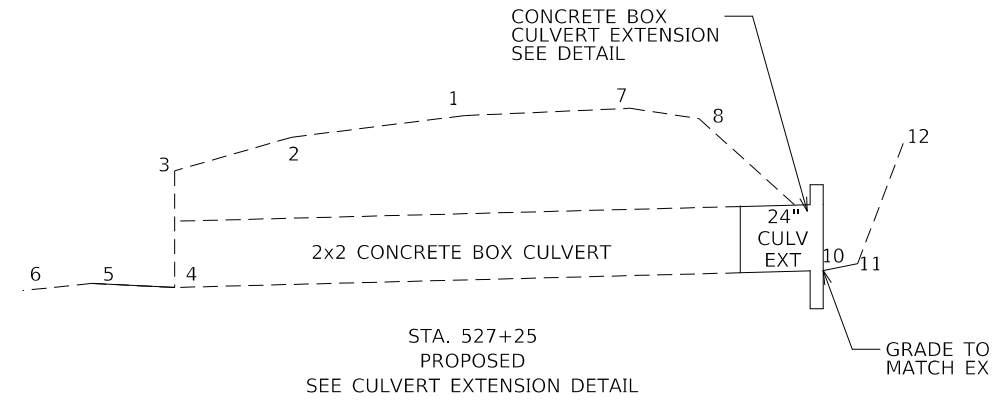
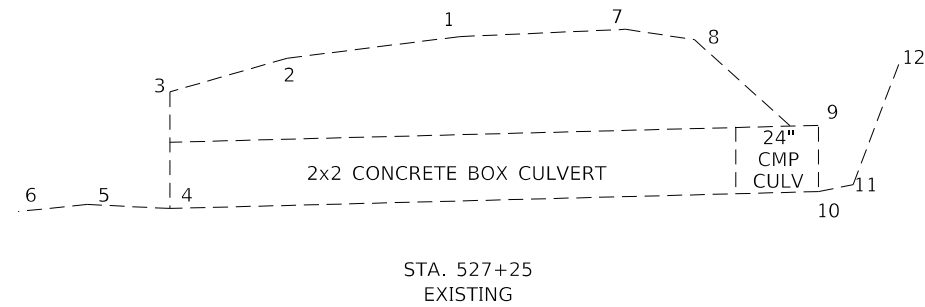


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MORO RD./IL 159 DETECTOR LOOP REPLACEMENT PLAN 2 OF 2			
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE. 604	SECTION (101.102)RS-4	COUNTY MADISON	TOTAL SHEETS 40	SHEET NO. 33
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



527+25.00					557+35.00					605+93.00				
SHOT NO	CL OFFSET	LT/RT	DESCRIPTION	ELEV	SHOT NO	CL OFFSET	LT/RT	DESCRIPTION	ELEV	SHOT NO	CL OFFSET	LT/RT	DESCRIPTION	ELEV
1	0		CL	403.74	1	0			403.74	1	0			403.74
2	12.5	LT	EOP	403.09	2	12	LT	EOP	403.47	2	12	LT	EOP	403.45
3	21	LT	TOP OF CONC HW	402.07	3	19.2	LT	TOP OF CONC HW	402.8	3	21	LT	TOP OF RR	402.49
4	21	LT	FL OF CULV	398.55	4	19.2	LT	FL OF BOX CULV	399.07	4	23	LT	TOP OF CULVERT	400.51
5	27	LT	FL OF DITCH	398.67	5	29.5	LT	FL OF DITCH	400.19	5	23	LT	FL OF CULVERT	399.33
6	32	LT	POINT ON DITCH	398.46	6	35.5	LT	POINT ON DITCH	400.3	6	28	LT	FL OF DITCH	399.15
7	12	RT	EOP	403.96	7	12	RT	EOP	403.46	7	41.5	LT	DITCH @ ROW	398.39
8	17	RT		403.65	8	19	RT	TOP OF CONC HW	402.84	8	12	RT	EOP	403.55
9	26	RT	TOP OF CULVERT	401.02	9	19	RT	FL OF BOX CULV	399.63	9	19.5	RT	TOP OF RR	402.87
10	26	RT	FL OF CULVERT	399.06	10	24	RT	FL OF DITCH	399.86	10	23.5	RT	TOP OF CULVERT	400.88
11	28.5	RT	FL OF DITCH	399.27	11	33	RT	TOP OF BACK SLOPE	403.12	11	23.5	RT	FL OF CULVERT	399.48
12	32	RT	TOP BACK OF DITCH	403.12						12	25.5	RT	FL OF DITCH	400.46
										13	33.5	RT	TOP OF BACK SLOPE	401.81

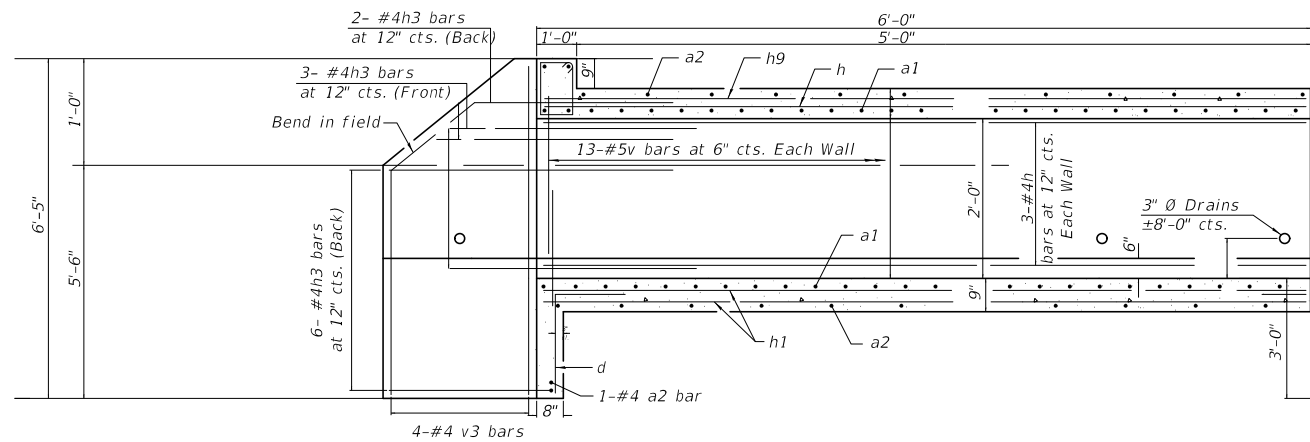
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

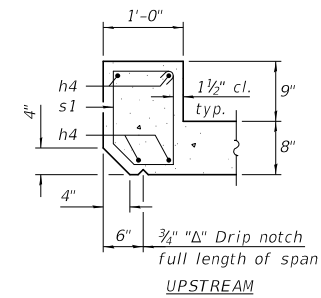
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CULVERT REPAIR CROSS SECTIONS**

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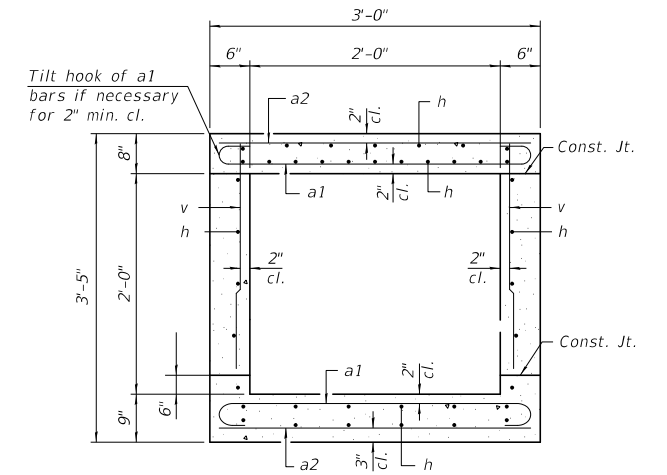
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604	(101.102)RS-4	MADISON	40	34
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



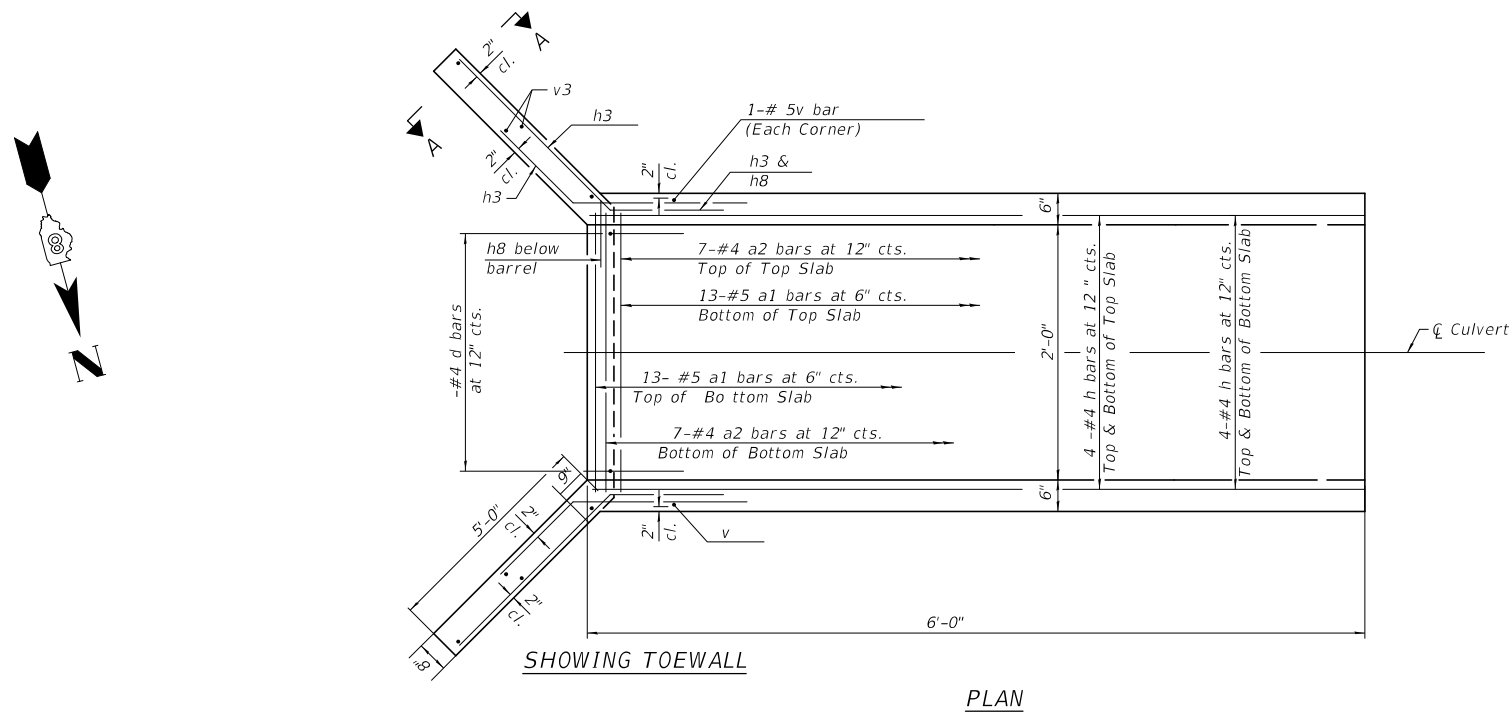
LONGITUDINAL SECTION
(LOOKING SOUTH)



SECTION THRU HEADWALL



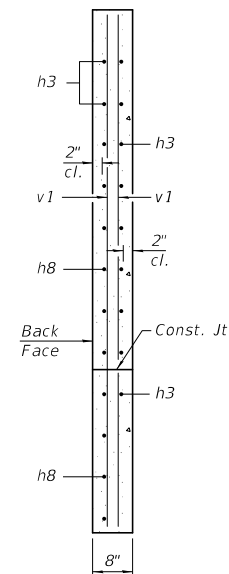
SECTION THRU BARREL



SHOWING TOEWALL

PLAN

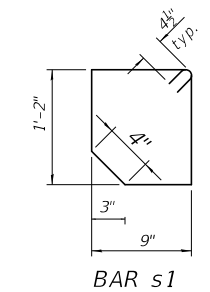
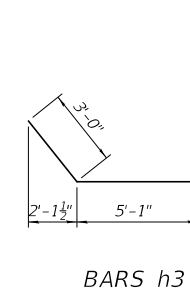
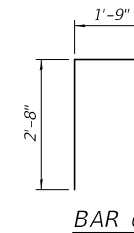
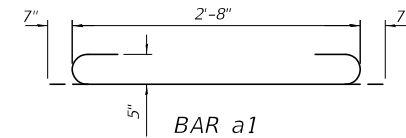
Notes:
The barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	26	#5	3'-10"	U
a2	15	#4	2'-8"	—
d	4	#4	4'-5"	L
h	22	#4	5'-10"	—
h3	22	#4	8'-0"	—
h4	4	#6	2'-4"	—
s1	4	#4	4'-5"	U
v	28	#5	3'-0"	—
v3	8	#4	6'-1"	—
Concrete Box Culverts			Cu. Yd.	6.8
Reinforcement Bars			Pound	493



Expires 11-30-2022

David Carl Puze

01/14/2021

8-23-2020

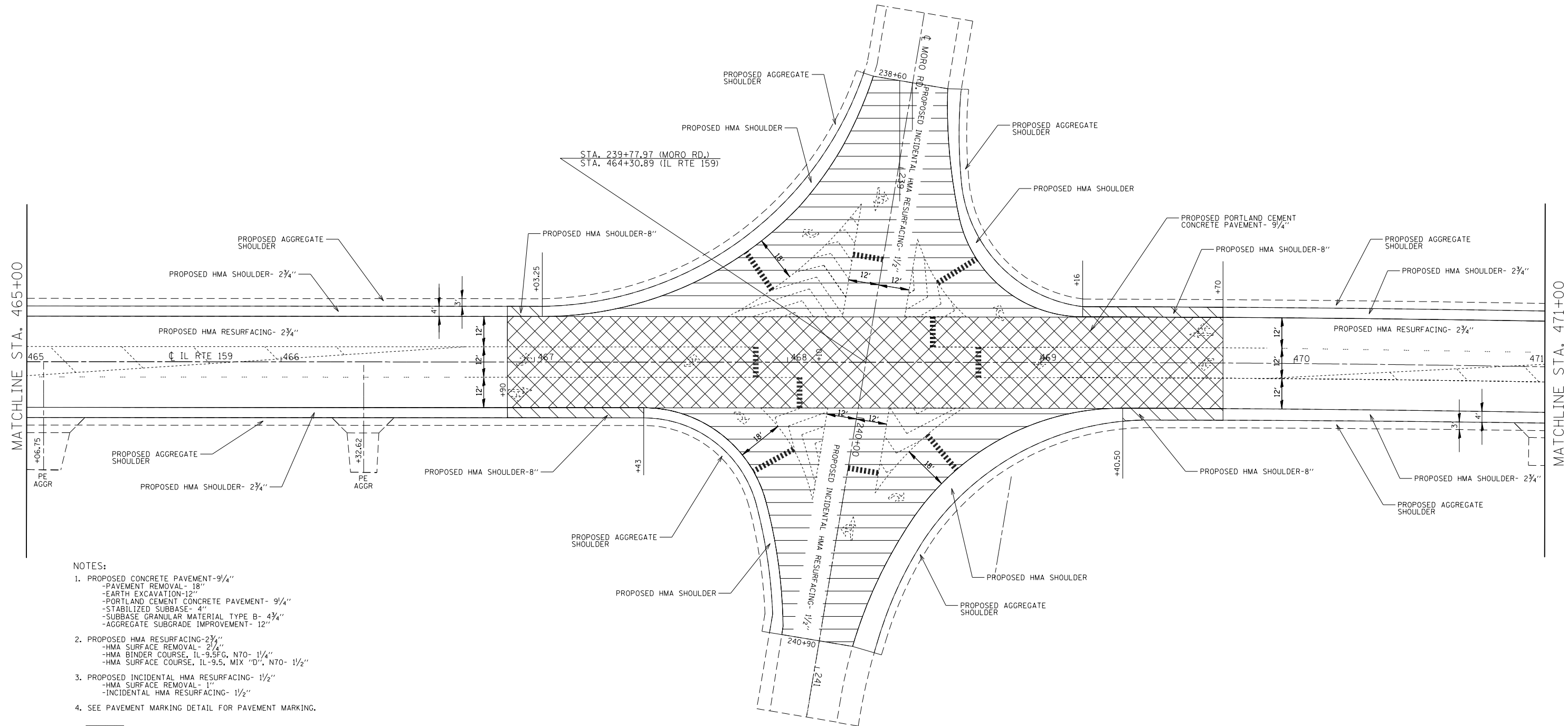
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

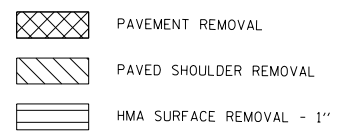
DETAILS
BOX CULVERT EXTENSION

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	35
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. PROPOSED CONCRETE PAVEMENT-9 1/4"
 - PAVEMENT REMOVAL- 18"
 - EARTH EXCAVATION-12"
 - PORTLAND CEMENT CONCRETE PAVEMENT- 9 1/4"
 - STABILIZED SUBBASE- 4"
 - SUBBASE GRANULAR MATERIAL TYPE B- 4 3/4"
 - AGGREGATE SUBGRADE IMPROVEMENT- 12"
 2. PROPOSED HMA RESURFACING-2 3/4"
 - HMA SURFACE REMOVAL- 2 3/4"
 - HMA BINDER COURSE, IL-9.5FG, N70- 1 1/4"
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N70- 1 1/2"
 3. PROPOSED INCIDENTAL HMA RESURFACING- 1 1/2"
 - HMA SURFACE REMOVAL- 1"
 - INCIDENTAL HMA RESURFACING- 1 1/2"
 4. SEE PAVEMENT MARKING DETAIL FOR PAVEMENT MARKING.



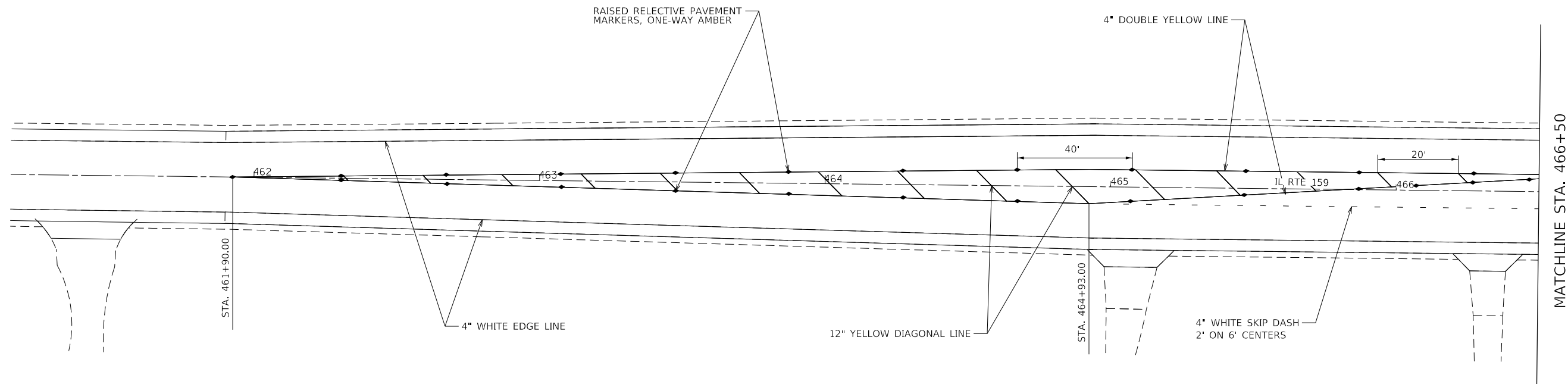
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT RECONSTRUCTION AND SPECIAL MILLING DETAIL			
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	37
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



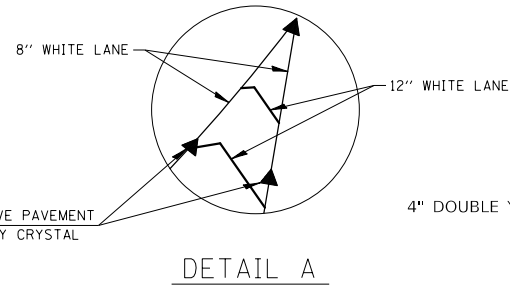
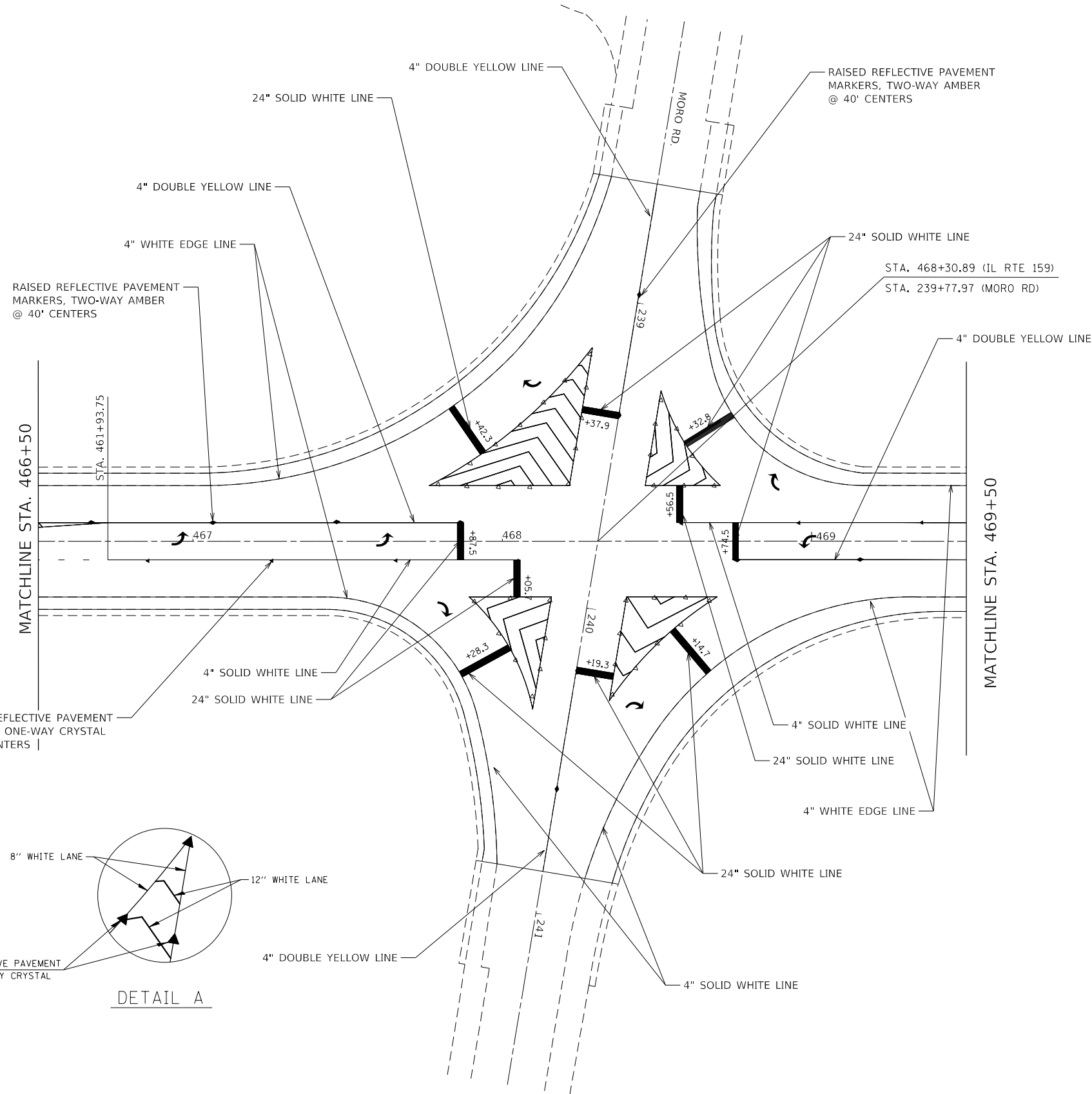
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PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETAILS MORO RD/IL 159 PAVEMENT MARKING			
SCALE: 1"=50'	SHEET 1	OF 3	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101,102)RS-4	MADISON	40	38
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



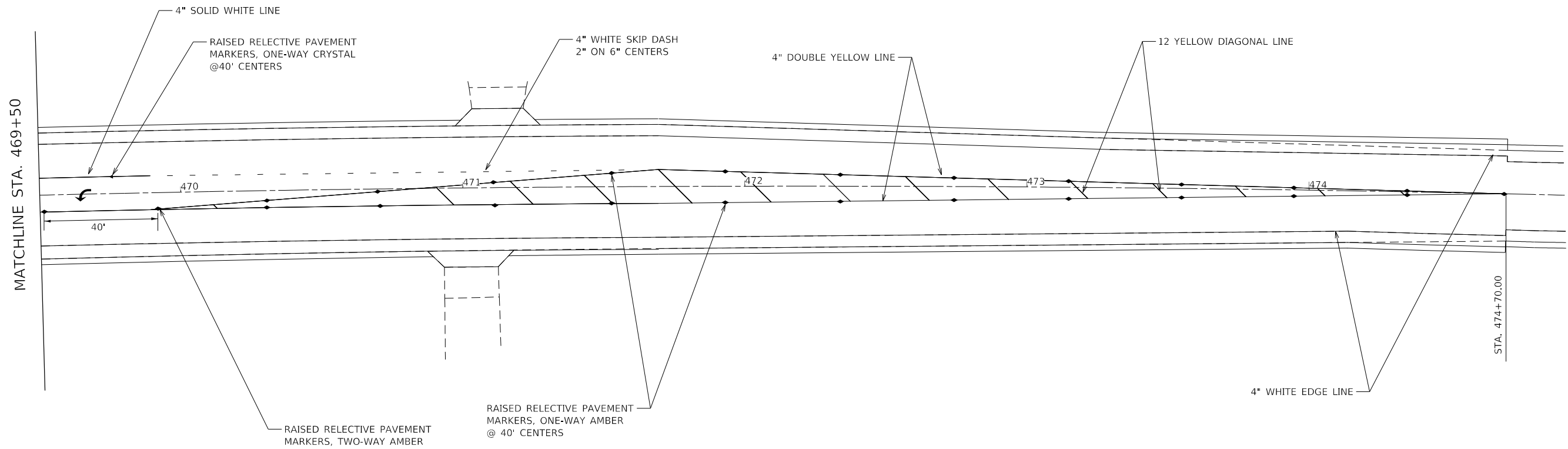
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	DRAWN -	REVISED -
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PLOT DATE = 12/11/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS	
MORO RD#1 159 PAVEMENT MARKING	
SCALE: 1"=50'	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	39
CONTRACT NO. 76M84				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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USER NAME = challandeske	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS MORO RD1L 159 PAVEMENT MARKING			
SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
604	(101.102)RS-4	MADISON	40	40
CONTRACT NO. 76M84			ILLINOIS FED. AID PROJECT	