

09-21-12 LETTING ITEM 019

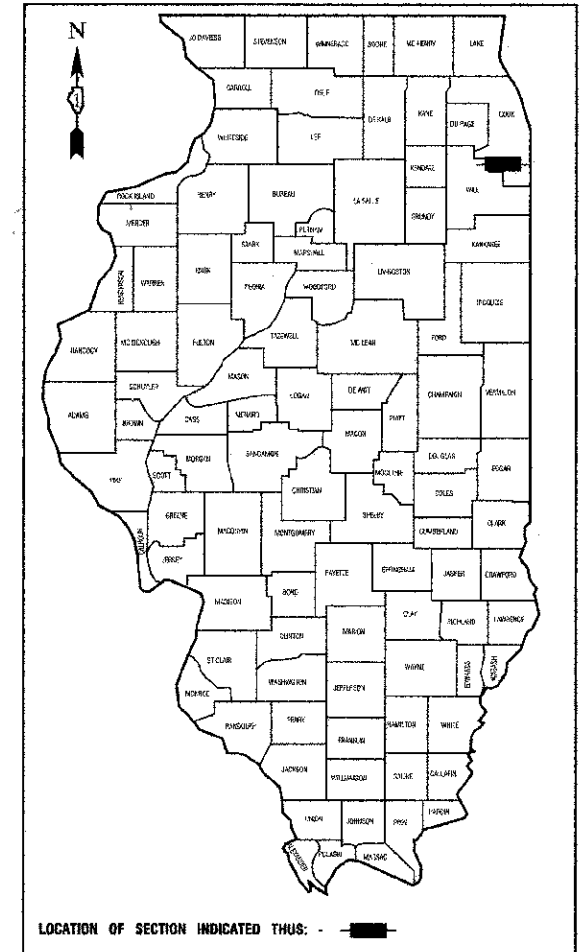
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 0286 (TAYLOR ROAD)  
FAP 0856 (WEBER ROAD) TO FAP 0112 (IL RTE 53)  
ROADWAY RESURFACING  
PROJECT NO.: M-4003(021)  
L.A. SECTION NO.: 12-00059-00-RS  
VILLAGE of **ROMEOVILLE**  
WILL COUNTY  
C-91-433-12

F. A. N. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0286	12-00059-00-RS	WILL	26	1
STA. TO STA.				
FED. AID DIST. NO. 1		FED. AID PROJECT M-4003(021)		

CONTRACT #63727



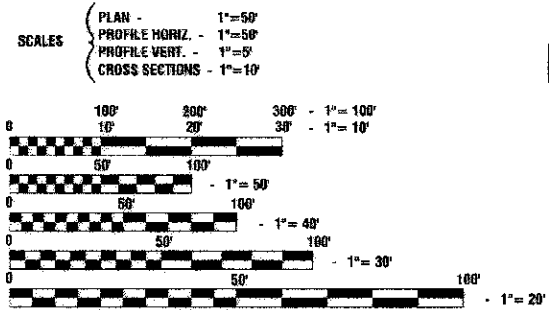
**INDEX OF SHEETS**

1. COVER SHEET, INDEX OF SHEETS & STATE STANDARDS
- 2.-3. SUMMARY OF QUANTITIES & GENERAL NOTES
- 4.-5. TYPICAL SECTIONS
6. DETOUR PLAN
- 7.-11. PAVEMENT PLAN
- 12.-16. PAVEMENT MARKING PLAN
- 17.-26. IDOT DISTRICT 1 STANDARD DETAILS

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 420001-07 PAVEMENT JOINTS
- 420101-04 24' (7.2m) JOINTED PCC PAVEMENT
- 420106-04 36' (10.8m) JOINTED PCC PAVEMENT
- 420111-03 PCC PAVEMENT ROUNDOUTS
- 424001-06 PERPENDICULAR CURB RAMPS
- 442201-03 CLASS C AND D PATCHES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701502-04 URBAN LANE CLOSURE, 2L,2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701602-05 URBAN LANE CLOSURE, MULTILANE 2L,2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-02 TRAFFIC CONTROL DEVICES
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

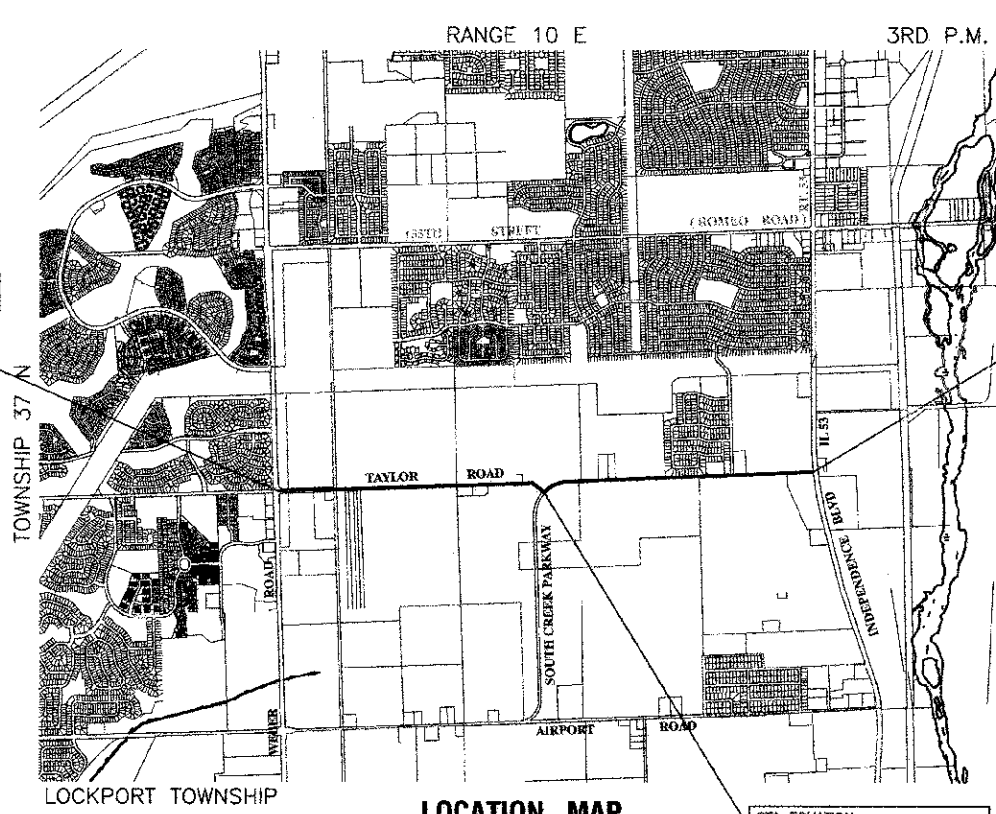
	TAYLOR ROAD
2012 ADT -	9,250
2040 ADT -	11,000
POSTED SPEED LIMIT -	40 mph
DESIGN PERIOD -	20 YEARS
DESIGN SPEED LIMIT -	45 mph
STREET CLASSIFICATION -	COLLECTOR



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

CONTRACT NO. 63727



**LOCATION MAP**

GROSS LENGTH=12,093 FEET=2.29 MILES  
NET LENGTH=12,093 FEET=2.29 MILES

STA EQUATION  
STA 88+74.00 (BACK) =  
STA 102+00.30 (AHEAD)

END IMPROVEMENTS  
TAYLOR ROAD EAST STA 164+45

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

Approved: JUNE 28, 2012  
*John D. Moran*  
President, Village of Romeoville

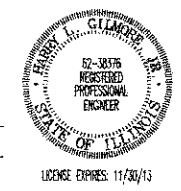
Placed: JULY 20, 2012  
*Carl Holt*  
District 1 Engineer of Local Roads & Streets

Released for Dist Based on Limited Review: JULY 23, 2012  
*John Korman*  
Deputy Director of Highways, Region 1 Engineer

PRINTED BY THE AUTHORITY OF  
THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE  
DIRECT SUPERVISION OF:

*Mary L. Korman*  
6/28/2012



PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406, SCHUMBERG, ILL.  
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE	
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	0005	0042
	20101700	SUPPLEMENTAL WATERING	UNIT	3	3	
	20200100	EARTH EXCAVATION	CU YD	1562	1562	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	729	729	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT-12"	SQ YD	4537	4537	
	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	12722	12722	
	40600300	AGGREGATE (PRIME COAT)	TON	1273	1273	
	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2840	2840	
	40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	849	849	
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	7710	7710	
	42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	4683	4683	
	42001300	PROTECTIVE COAT	SQ YD	5708	5708	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1019	1019	
	42400800	DETECTABLE WARNINGS	SQ FT	152	152	
	44000100	PAVEMENT REMOVAL	SQ YD	4683	4683	
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	63609	63609	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	11	11	
	44000600	SIDEWALK REMOVAL	SQ FT	1002	1002	
	44003100	MEDIAN REMOVAL	SQ FT	20	20	
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	6	6	
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	18	18	
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	55	55	
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1387	1387	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	91	91	

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE	
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	0005	0042
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	3	
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	20	20	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	
	67100100	MOBILIZATION	L SUM	1	1	
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	12000	12000	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	879	879	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	34924	34924	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1451	1451	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1854	1854	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	194	194	
*	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	356	356	
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1156	1156	
*	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1559	1559	
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	47	47	
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	109	109	
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	100	100	
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	2158	2158	
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10	

\* - INDICATES SPECIALTY ITEMS

FILE NAME = 11617-QUAN-01 - IDOT.P01

USER NAME =

PLOT SCALE =

PLOT DATE = 05-02-12

DESIGNED - JH

CHECKED - HLG

DRAWN - MED

CHECKED - AG

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TAYLOR ROAD  
ROADWAY RESURFACING  
SUMMARY OF QUANTITIES & GENERAL NOTES

SCALE: SHEET NO. 2 OF 26 SHEETS STA. TO STA.

F.A.U.  
RTE.

0286

SECTION

12-00099-00-RS

COUNTY

WILL

TOTAL  
SHEETS

26

SHEET  
NO.

2

CONTRACT NO. 63727

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-0003(021)

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE	
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	0005	0042
	XX006343	SEEDING (COMPLETE)	SQ YD	729	729	
	Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	11	11	
	Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2387	2387	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	250	250	
	Z0076600	TRAINEES	HOUR	500		500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500
	XX006119	TRAFFIC CONTROL AND PROTECTION (DETOUR)	L SUM	1	1	
	XX008643	HOT-MIX ASPHALT SIDEWALK	SQ YD	266	266	
	XX008644	HOT-MIX ASPHALT SIDEWALK REMOVAL	SQ YD	298	298	

#### GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
- ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES BY LIMITING CURB AND GUTTER REPAIR TO ONE-HALF THE DRIVEWAY WIDTH AT ONE TIME AS WELL AS TEMPORARY AGGREGATE. ANY TEMPORARY AGGREGATE REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE RELATED PAY ITEM IT IS NEEDED FOR WHEN DIRECTED BY THE ENGINEER.
- THE REMOVAL AND/OR REPLACEMENT OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC. SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS ITEMS.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR AT THEIR EXPENSE.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS OTHERWISE NOTED ON THE PLAN.
- THE INSTALLATION OF TIE BARS AND DOWEL BARS DURING PLACEMENT OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO INSTALLATION OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED).
- ANY AND ALL DAMAGE TO PCC DRIVEWAYS AS A RESULT OF ADJACENT CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST.

FILE NAME = 11617-QUAN-01 -1001 P02

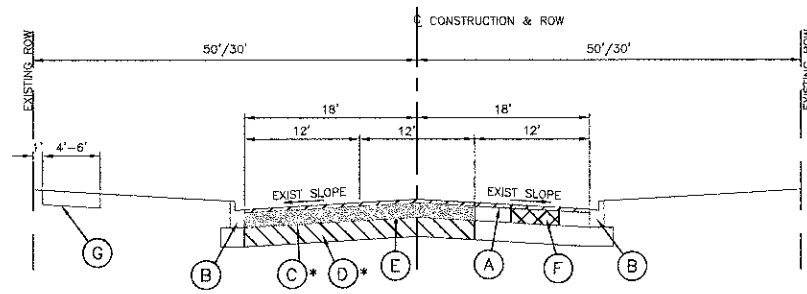
USER NAME =	DESIGNED -- JH	REVISED --
	CHECKED -- HLG	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 05-02-12	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TAYLOR ROAD  
ROADWAY RESURFACING  
SUMMARY OF QUANTITIES & GENERAL NOTES

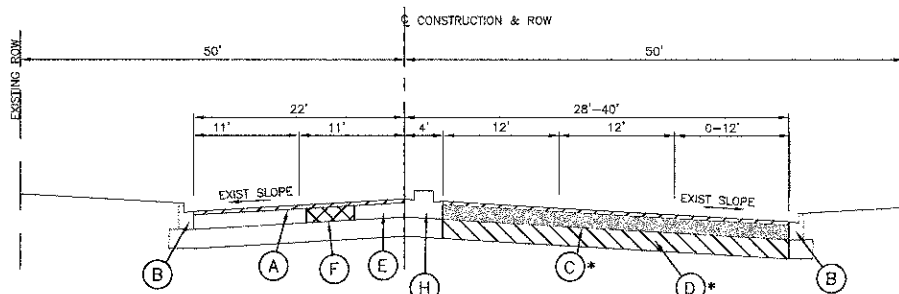
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0286	12-00059-00-RS	WILL	25	3
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63727	
FED. AID PROJECT M-4003(021)				

SCALE: SHEET NO. 3 OF 26 SHEETS STA. TO STA.



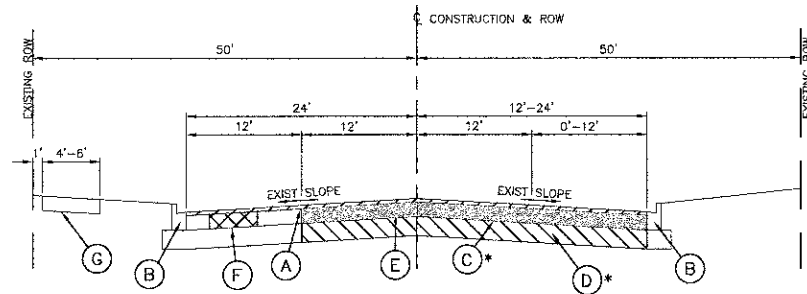
**EXISTING TYPICAL SECTION**

TAYLOR ROAD  
 STA 10+26 WEST TO STA 64+75 WEST  
 \* STA 10+26 WEST TO STA 17+00 WEST



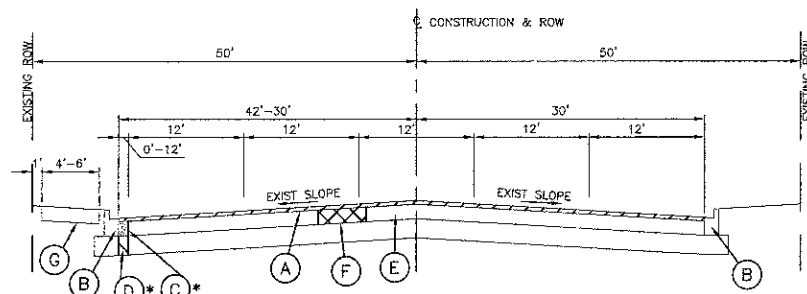
**EXISTING TYPICAL SECTION**

TAYLOR ROAD  
 STA 157+50 EAST TO STA 164+45 EAST  
 \* STA 160+00 EAST TO STA 164+45 EAST



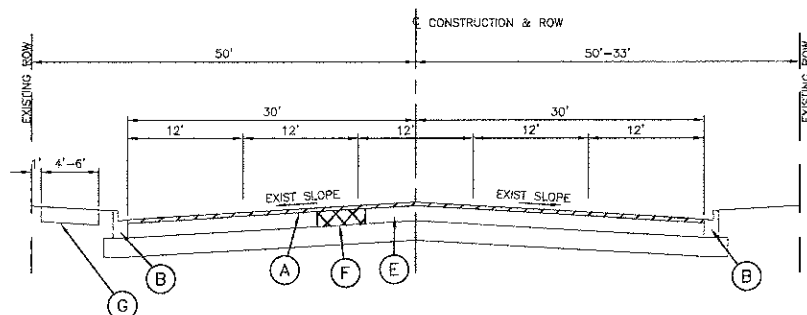
**EXISTING TYPICAL SECTION**

TAYLOR ROAD  
 STA 64+75 WEST TO STA 68+74 WEST  
 \* STA 66+00 WEST TO STA 68+00 WEST



**EXISTING TYPICAL SECTION**

TAYLOR ROAD  
 STA 101+12 EAST TO STA 105+42 EAST  
 \* STA 102+69 EAST TO STA 103+69 EAST



**EXISTING TYPICAL SECTION**

TAYLOR ROAD  
 STA 105+42 EAST TO STA 157+50 EAST

**EXISTING LEGEND**

- (A) HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (B) EXISTING CURB & GUTTER TO BE REMOVED AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (C) PAVEMENT REMOVAL
- (D) AGGREGATE SUBGRADE REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (E) EXISTING PAVEMENT
- (F) PAVEMENT REMOVAL FOR CLASS D PATCHES
- (G) EXISTING PCC SIDEWALK/HMA PATH TO BE REMOVED AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (H) MEDIAN REMOVAL AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER

**PROPOSED LEGEND**

- (1) POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (3) CLASS D PATCH, 10" AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) PROPOSED CURB AND GUTTER TO BE INSTALLED AT LOCATIONS SHOWN ON PLAN OR DIRECTED BY ENGINEER
- (7) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (8) MEDIAN REPLACEMENT AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**  
 (CONTRACTOR SHALL MILL BEFORE PATCHING)

MIXTURE TYPE	AIR VOIDS @ Ndes
RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.
PATCHING	
CLASS D PATCHES, TYPE I, II, III, IV, (HMA BINDER IL-19.0mm): 10" (IN 3 LIFTS)	4% @ 70 Gyr.
HOT-MIX ASPHALT SIDEWALK	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"	4% @ 50 Gyr.
HOT-MIX ASPHALT DRIVEWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0mm): 6" (IN 3 LIFTS)	4% @ 50 Gyr.

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. FOR "AC TYPE" AND "PERCENT RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

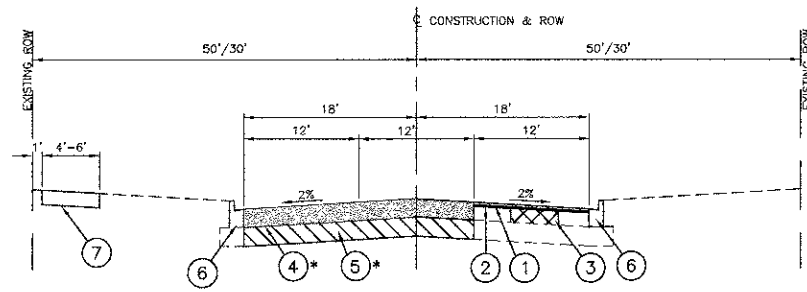
NOTE:  
 CLASS D PATCHES, TYPE I, II, III & IV AT APPROXIMATE STATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

FILE NAME = 11617-TYPX01 - TYPX P01

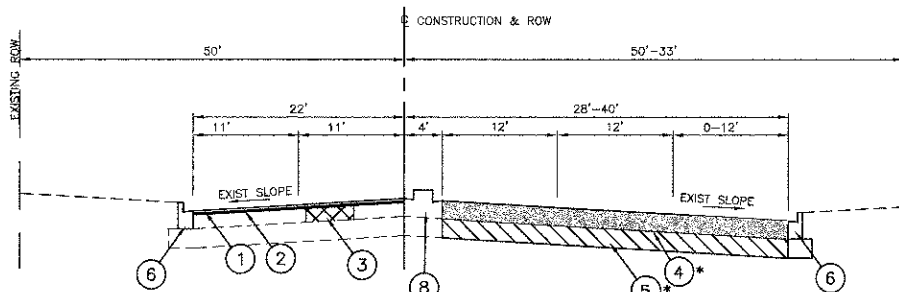
USER NAME =	DESIGNED — JH	REVISED —
PLOT SCALE =	CHECKED — HLG	REVISED —
PLOT DATE = 05-02-12	DRAWN — LTL	REVISED —
	CHECKED — HLG	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

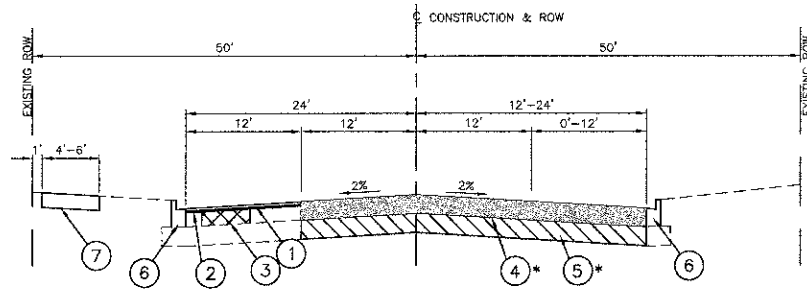
TAYLOR ROAD ROADWAY RESURFACING TYPICAL CROSS SECTIONS		F.A.U. RTE 0286	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 4
SCALE: NONE	SHEET NO. 4 OF 26 SHEETS	STA.	TO STA.	CONTRACT NO. 63727		
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003(021)		



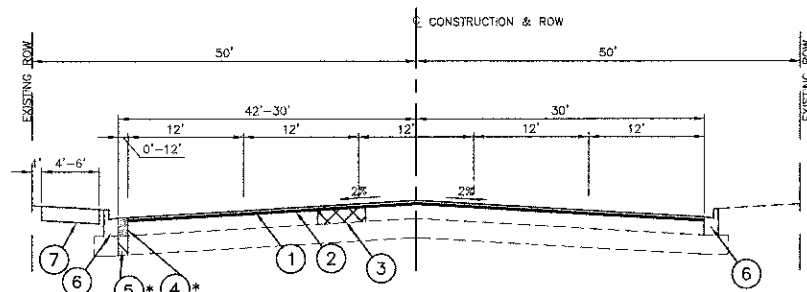
**PROPOSED TYPICAL SECTION**  
TAYLOR ROAD  
STA 10+26 WEST TO STA 64+75 WEST  
\* STA 10+26 WEST TO STA 17+00 WEST



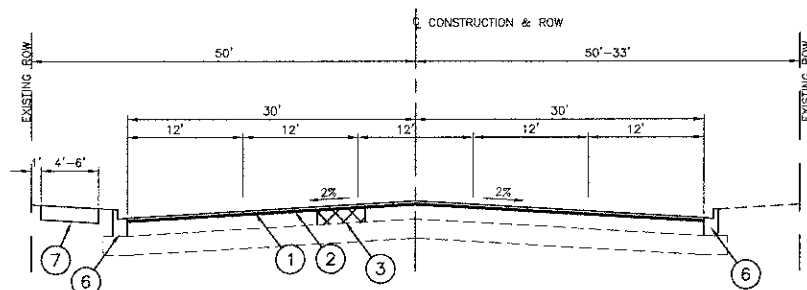
**PROPOSED TYPICAL SECTION**  
TAYLOR ROAD  
STA 157+50 EAST TO STA 164+45 EAST  
\* STA 160+00 EAST TO STA 164+45 EAST



**PROPOSED TYPICAL SECTION**  
TAYLOR ROAD  
STA 64+75 WEST TO STA 68+74 WEST  
\* STA 66+00 WEST TO STA 68+00 WEST



**PROPOSED TYPICAL SECTION**  
TAYLOR ROAD  
STA 101+12 EAST TO STA 105+42 EAST  
\* STA 102+69 EAST TO STA 103+69 EAST



**PROPOSED TYPICAL SECTION**  
TAYLOR ROAD  
STA 105+42 EAST TO STA 157+50 EAST

**EXISTING LEGEND**

- (A) HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (B) EXISTING CURB & GUTTER TO BE REMOVED AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (C) PAVEMENT REMOVAL
- (D) AGGREGATE SUBGRADE REMOVAL (PAID FOR AS EARTH EXCAVATION)
- (E) EXISTING PAVEMENT
- (F) PAVEMENT REMOVAL FOR CLASS D PATCHES
- (G) EXISTING PCC SIDEWALK/HMA PATH TO BE REMOVED AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (H) MEDIAN REMOVAL AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER

**PROPOSED LEGEND**

- (1) POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (3) CLASS D PATCH, 10" AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) PROPOSED CURB AND GUTTER TO BE INSTALLED AT LOCATIONS SHOWN ON PLAN OR DIRECTED BY ENGINEER
- (7) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (8) MEDIAN REPLACEMENT AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**  
(CONTRACTOR SHALL MILL BEFORE PATCHING)

MIXTURE TYPE	AIR VOIDS @ Hdes
RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.
PATCHING	
CLASS D PATCHES, TYPE I, II, III, IV, (HMA BINDER IL-19.0mm); 10" (IN 3 LIFTS)	4% @ 70 Gyr.
HOT-MIX ASPHALT SIDEWALK	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"	4% @ 50 Gyr.
HOT-MIX ASPHALT DRIVEWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0mm); 6" (IN 3 LIFTS)	4% @ 50 Gyr.

**NOTES:**

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. FOR "AC TYPE" AND "PERCENT RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

**NOTE:**

CLASS D PATCHES, TYPE I, II, III & IV AT APPROXIMATE STATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.




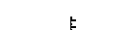
FILE NAME = 11617-TYPX-01 - TYPX P02

USER NAME =	DESIGNED = JH	REVISED =
	CHECKED = HLG	REVISED =
PLOT SCALE =	DRAWN = LTL	REVISED =
PLOT DATE = 05-02-12	CHECKED = HLG	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TAYLOR ROAD ROADWAY RESURFACING TYPICAL CROSS SECTIONS		F.A.U. RTE. 0288	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 5
SCALE: NONE		SHEET NO. 5 OF 26 SHEETS		STA. TO STA.		
		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M-4003(021)		

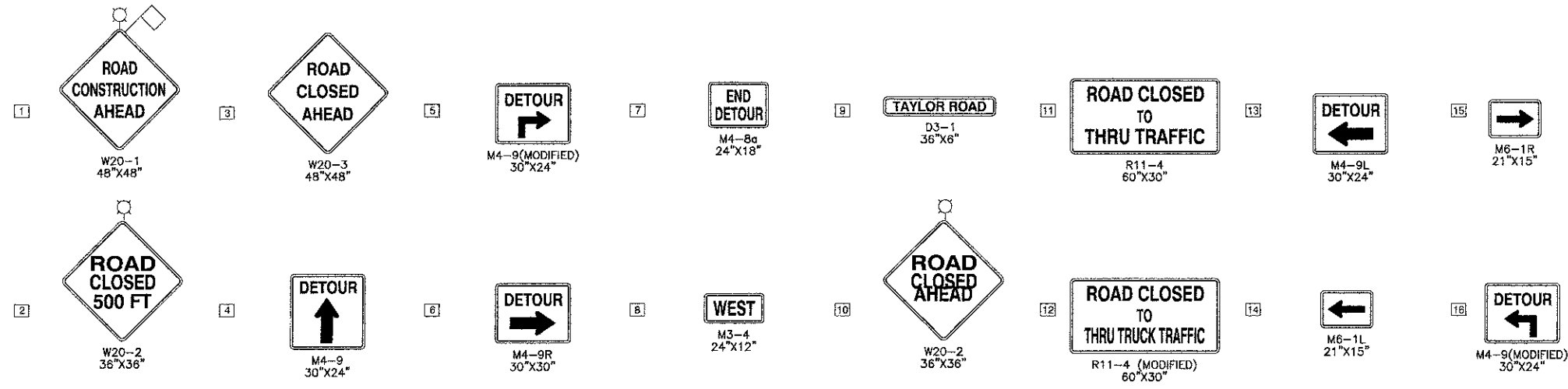
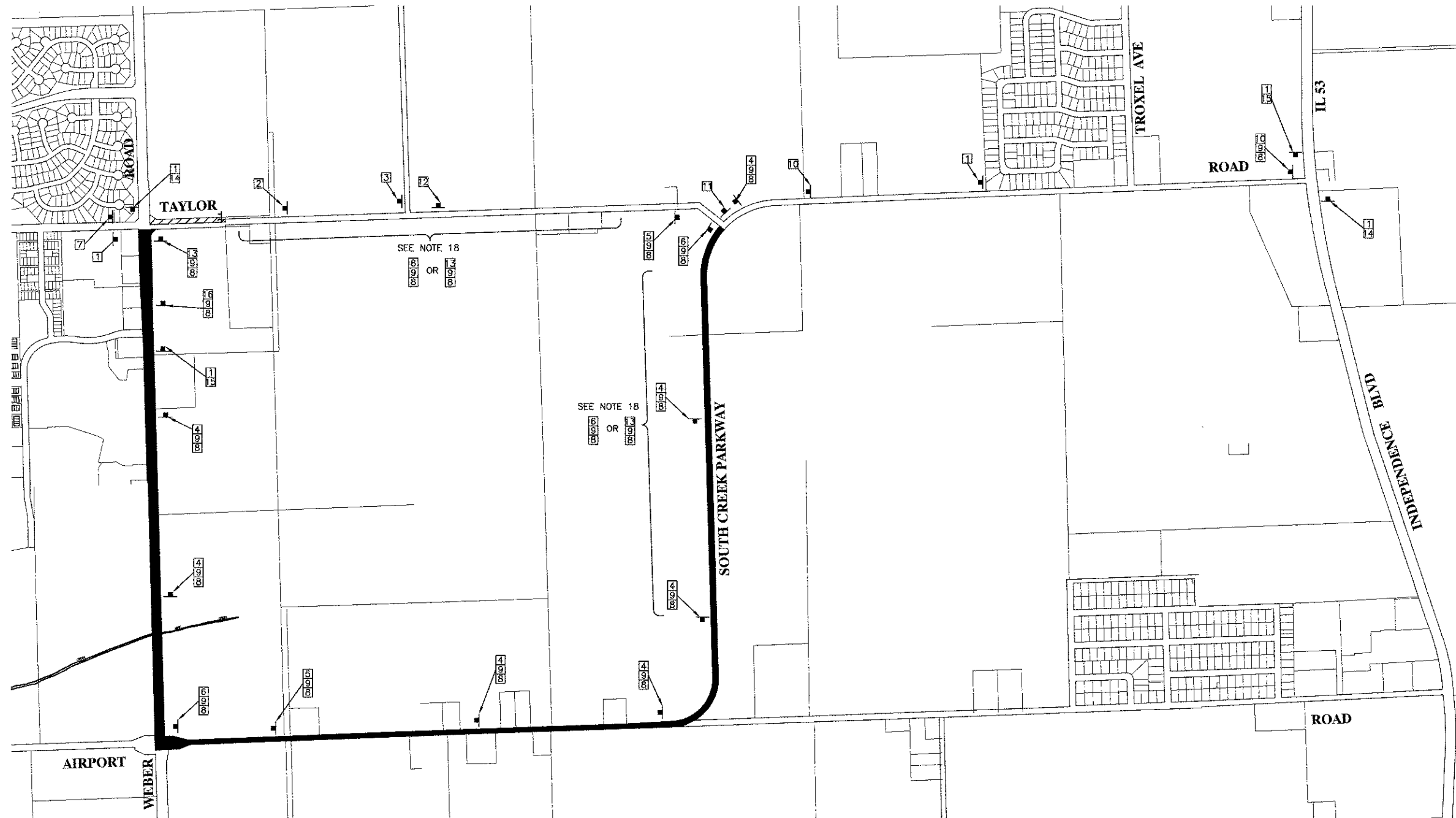
**LEGEND**

-  CONSTRUCTION AREA DURING DETOUR
-  SUGGESTED DETOUR ROUTE
-  SIGN
-  TYPE III BARRICADE

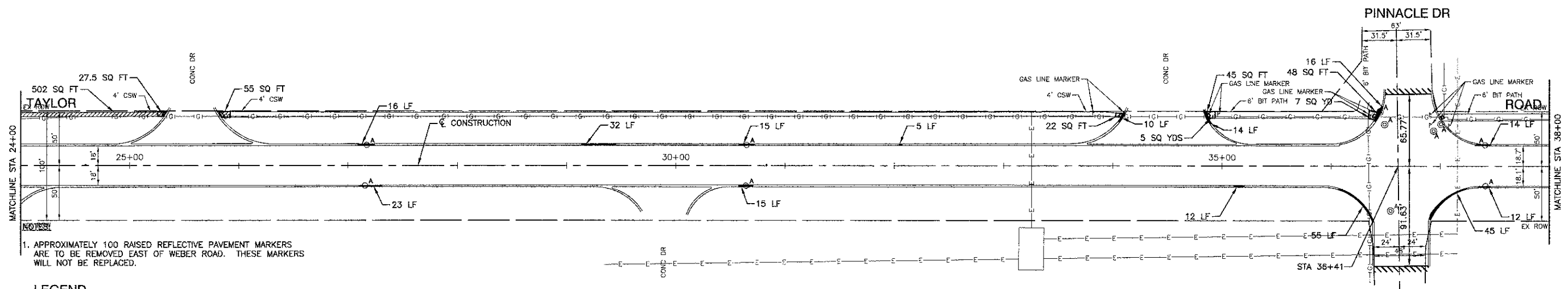
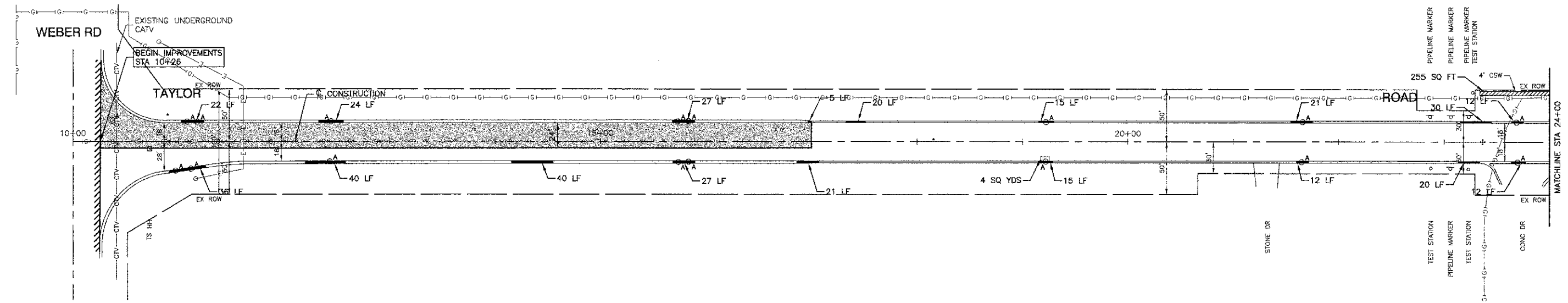


**NOTES**

1. TRAFFIC CONTROL AND PROTECTION, INCLUDING DETOUR PLAN/ROUTING, SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR THIS PROJECT, SECTION 701 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", APPLICABLE GUIDELINES IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.
2. ANY DROP-OFF GREATER THAN THREE INCHES WITHIN EIGHT FEET OF THE PAVEMENT EDGE, SHALL BE PROTECTED BY TYPE I OR II BARRICADES (OR DRUMS) EQUIPPED WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS SPACED AT 50-FOOT CENTERS. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF THE IDOT HIGHWAY STANDARDS.
3. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
4. PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
5. IDOT TRAFFIC CONTROL STANDARDS LISTED BY REFERENCE ON THE TITLE SHEET SHALL BE USED AS GUIDES IN IMPLEMENTING THE TRAFFIC CONTROL, INCLUDING SIGN LOCATIONS, FOR THIS PROJECT.
6. MONO-DIRECTIONAL FLASHING LIGHTS AND ORANGE WARNING FLAGS SHALL BE MOUNTED ON ALL "ROAD CONSTRUCTION AHEAD" SIGNS.
7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS.
8. DEPICTED TRAFFIC CONTROL IS A MINIMUM REQUIREMENT, AND OTHER WORK OR SIGNED MAY BE REQUIRED AS PER THE INSTRUCTION OF THE ENGINEER IN CHARGE. THE COST INCURRED TO COMPLY WILL BE INCLUDED IN THE PAY ITEM "DETOUR SIGNING".
9. ILLINOIS DEPARTMENT OF TRANSPORTATION, WILL COUNTY DEPARTMENT OF HIGHWAYS, AND THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES FROM LIST PROVIDED BY THE ENGINEER.
10. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE, AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
12. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED, OR REMOVED, BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
13. ADVANCED CLOSURE SIGNS (CHANGEABLE MESSAGE SIGNS) SHALL BE ERECTED AT LEAST 10 DAYS PRIOR TO ANY ROAD CLOSURES.
14. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470, 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
15. DURING THE DETOUR, THE CONTRACTOR SHALL MAINTAIN ONE EASTBOUND LANE ALONG TAYLOR ROAD BETWEEN WEBER ROAD AND SOUTH CREEK PARKWAY.
16. THE CONTRACTOR SHALL NOT PERFORM ANY PAVEMENT REMOVAL AND REPLACEMENT WORK NEAR THE INTERSECTION OF TAYLOR ROAD AND SOUTH CREEK PARKWAY UNTIL THE SAME WORK IS COMPLETED AT THE INTERSECTION OF TAYLOR ROAD AND WEBER ROAD AND THE DETOUR HAS BEEN REMOVED.
17. ONCE THE DETOUR IS REMOVED, THE CONTRACTOR SHALL PROCEED WITH OTHER PAVEMENT REMOVAL AND REPLACEMENT WORK, BUT SHALL MAINTAIN ONE 12 FOOT LANE IN EACH DIRECTION ON TAYLOR ROAD DIRECTLY WEST OF THE INTERSECTION WITH SOUTH CREEK PARKWAY AT ALL TIMES.
18. AT THE DIRECTION OF THE ENGINEER, ALL DRIVEWAYS FRONTING TAYLOR ROAD AND SOUTH CREEK PARKWAY SHALL RECEIVE DETOUR SIGNAGE AS DEPICTED ON THIS PLAN. DRIVEWAYS ON THE NORTH SIDE OF TAYLOR AND EAST SIDE OF SOUTH CREEK PARKWAY WILL DETOUR TO THE LEFT. DRIVEWAYS ON THE SOUTH SIDE OF TAYLOR AND WEST SIDE OF SOUTH CREEK PARKWAY WILL DETOUR TO THE RIGHT.
19. CHANGEABLE MESSAGE SIGNS WILL BE PLACED AT THE DIRECTION, LOCATION AND DURATION GIVEN BY THE ENGINEER.



FILE NAME = 11617-DETR-01 - IDOT P01	USER NAME =	DESIGNED -- JH	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TAYLOR ROAD ROADWAY RESURFACING DETOUR PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -- HLG	REVISED --		0286	12-00059-00-RS	WILL	26	6			
PLOT DATE = 05-02-12	DRAWN -- MED	CHECKED -- ACAD	REVISED --	SCALE: 1=600'	SHEET NO. 6	OF 26 SHEETS	STA.	TO STA.	CONTRACT NO. 63727			
							FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003(021)		

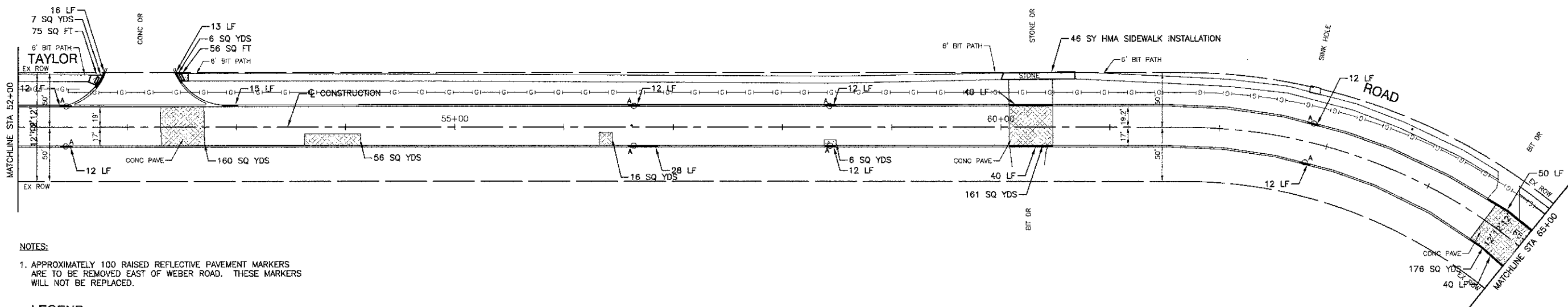
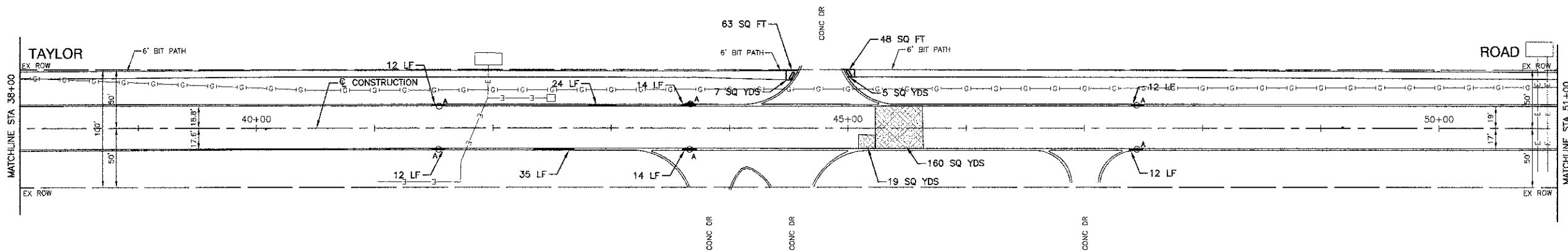


NOTES  
1. APPROXIMATELY 100 RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE REMOVED EAST OF WEBER ROAD. THESE MARKERS WILL NOT BE REPLACED.

**LEGEND**

- BUTT JOINT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- COMBINATION B-6.24 CURB AND GUTTER REMOVAL AND REPLACEMENT
- HMA SIDEWALK REMOVAL & P.C. CONCRETE SIDEWALK REPLACEMENT
- P.C. CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (5")
- PAVEMENT REMOVAL WITH CLASS D PATCH, 10"
- STRUCTURE TO BE ADJUSTED
- PAVEMENT REMOVAL WITH PCC PAVEMENT, 10" (JOINTED) REPLACEMENT
- DETECTOR LOOP TO BE REPLACED

FILE NAME = 11817-PLAN-01 - IDDT P03	USER NAME =	DESIGNED — JH	REVISED —	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TAYLOR ROAD ROADWAY RESURFACING PAVEMENT PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN — ACAD	REVISED —			0286	12-00059-00-RS	WILL	26	7
	PLOT DATE = 05-02-12	CHECKED — ACAD	REVISED —			SCALE: SHEET NO. 7 OF 26 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021) CONTRACT NO. 63727		



**NOTES:**

1. APPROXIMATELY 100 RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE REMOVED EAST OF WEBER ROAD. THESE MARKERS WILL NOT BE REPLACED.

**LEGEND**

- BUTT JOINT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- COMBINATION B-6.24 CURB AND GUTTER REMOVAL AND REPLACEMENT
- HMA SIDEWALK REMOVAL & P.C. CONCRETE SIDEWALK REPLACEMENT
- P.C. CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (5")
- PAVEMENT REMOVAL WITH CLASS D PATCH, 10"
- STRUCTURE TO BE ADJUSTED
- PAVEMENT REMOVAL WITH PCC PAVEMENT, 10" (JOINTED) REPLACEMENT
- DETECTOR LOOP TO BE REPLACED

FILE NAME = 11617-PLAN-01 - IDOT P02

USER NAME =	DESIGNED -- JH	REVISED --
	CHECKED -- HLG	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 05-02-12	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

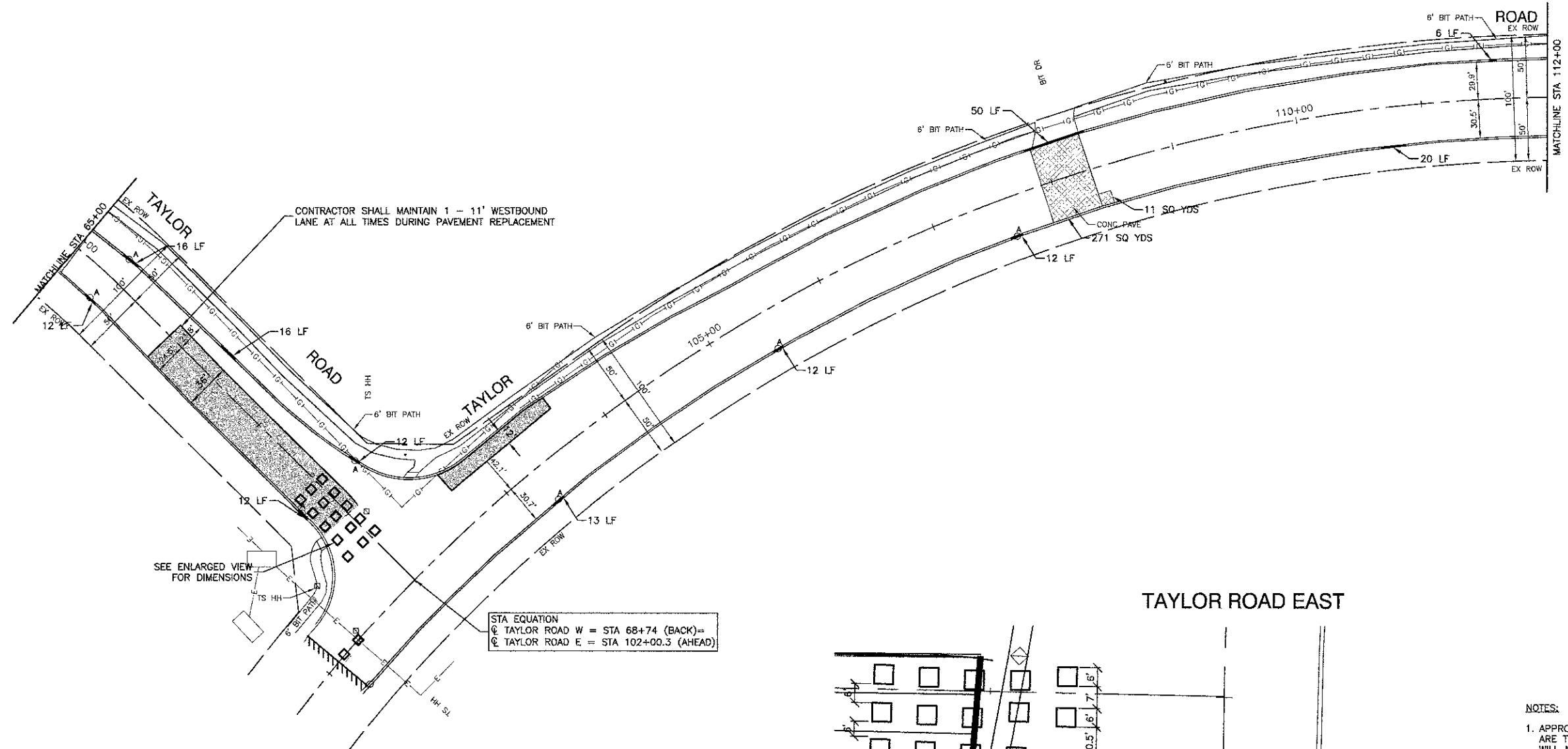
TAYLOR ROAD  
ROADWAY RESURFACING  
PAVEMENT PLAN

SCALE: SHEET NO. 8 OF 26 SHEETS STA. TO STA.

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0206	12-00059-00-RS	WILL	26	8
CONTRACT NO. 63727				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				



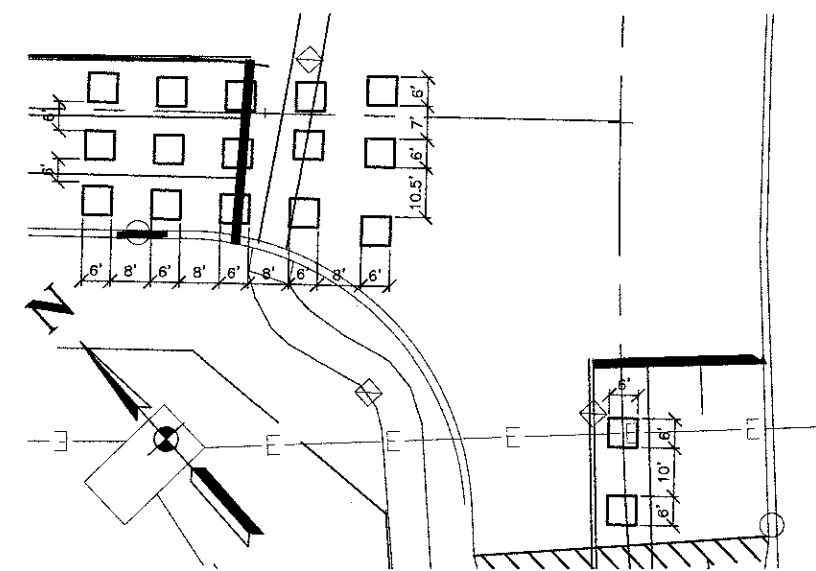
SECTION 4, TOWNSHIP 36, RANGE 10  
 SECTION 5, TOWNSHIP 36, RANGE 10  
 SECTION 8, TOWNSHIP 36, RANGE 10  
 SECTION 9, TOWNSHIP 36, RANGE 10



STA EQUATION  
 @ TAYLOR ROAD W = STA 68+74 (BACK)=  
 @ TAYLOR ROAD E = STA 102+00.3 (AHEAD)

SEE ENLARGED VIEW FOR DIMENSIONS

TAYLOR ROAD EAST



ENLARGED VIEW  
 SCALE 1"=20'

NOTES:  
 1. APPROXIMATELY 100 RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE REMOVED EAST OF WEBER ROAD. THESE MARKERS WILL NOT BE REPLACED.

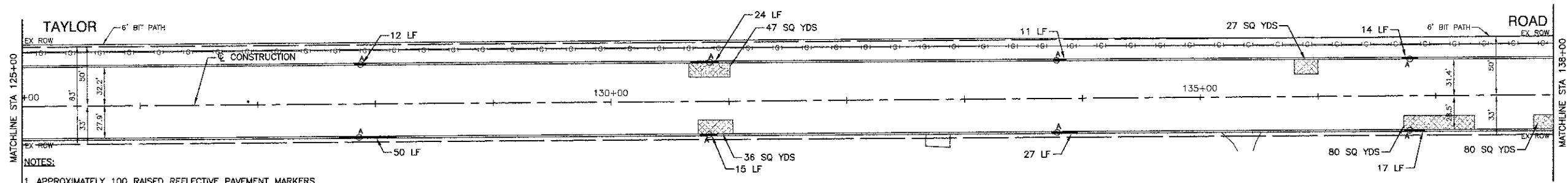
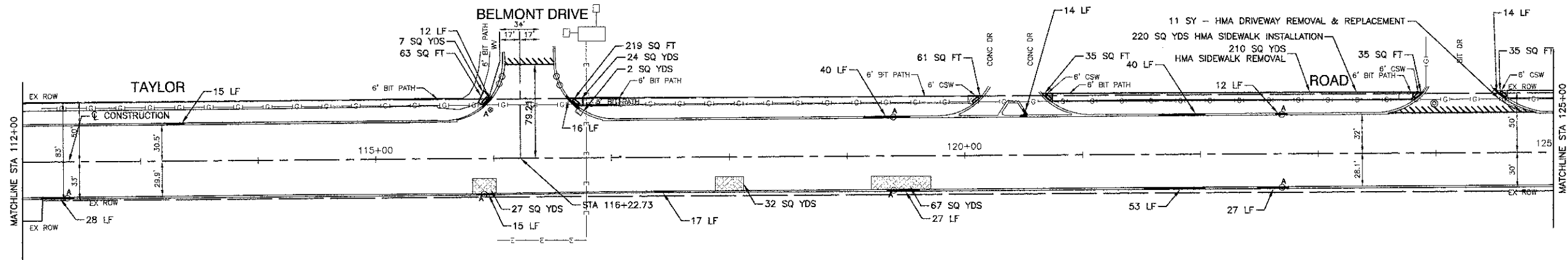
LEGEND

- BUTT JOINT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- COMBINATION B-6.24 CURB AND GUTTER REMOVAL AND REPLACEMENT
- HMA SIDEWALK REMOVAL & P.C. CONCRETE SIDEWALK REPLACEMENT
- P.C. CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (5")
- PAVEMENT REMOVAL WITH CLASS D PATCH, 10"
- STRUCTURE TO BE ADJUSTED
- PAVEMENT REMOVAL WITH PCC PAVEMENT, 10" (JOINTED) REPLACEMENT
- DETECTOR LOOP TO BE REPLACED

FILE NAME = 11617-PLAN-01 - 100T P03	USER NAME =	DESIGNED -- JH	REVISED --
		CHECKED -- HLG	REVISED --
	PLOT SCALE =	DRAWN -- ACAD	REVISED --
	PLOT DATE = 05-02-12	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TAYLOR ROAD ROADWAY RESURFACING PAVEMENT PLAN		F.A.U. RTE. 0288	SECTION 12-00959-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 9
SCALE:	SHEET NO. 9 OF 26 SHEETS	STA.	TO STA.	CONTRACT NO. 63727		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				



NOTES:  
1. APPROXIMATELY 100 RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE REMOVED EAST OF WEBER ROAD. THESE MARKERS WILL NOT BE REPLACED.

**LEGEND**

- BUTT JOINT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- COMBINATION B-6.24 CURB AND GUTTER REMOVAL AND REPLACEMENT
- HMA SIDEWALK REMOVAL & P.C. CONCRETE SIDEWALK REPLACEMENT
- P.C. CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (5")
- PAVEMENT REMOVAL WITH CLASS D PATCH, 10"
- STRUCTURE TO BE ADJUSTED
- PAVEMENT REMOVAL WITH PCC PAVEMENT, 10" (JOINTED) REPLACEMENT
- DETECTOR LOOP TO BE REPLACED

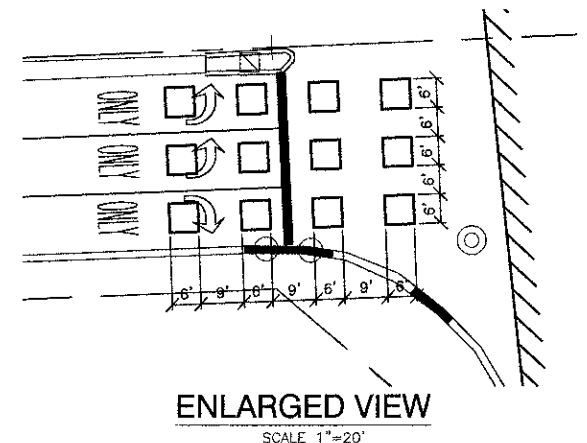
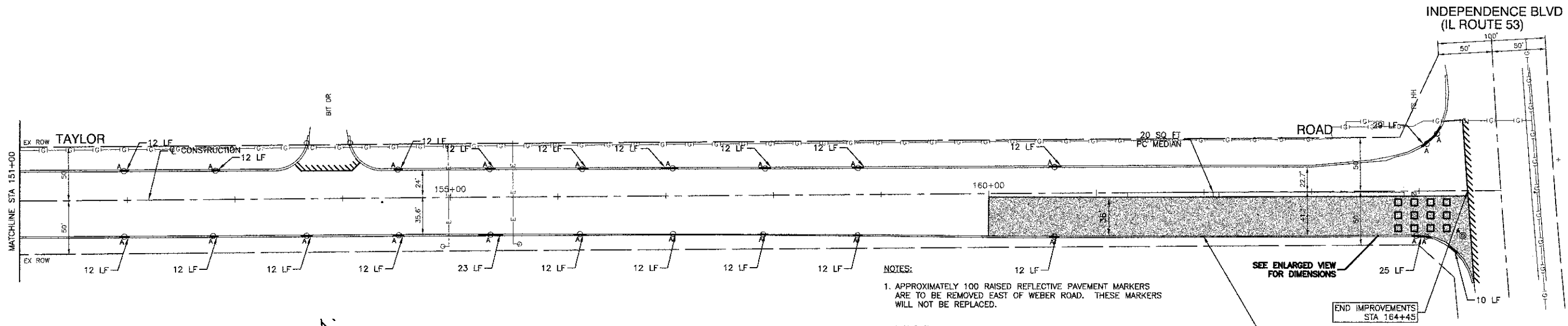
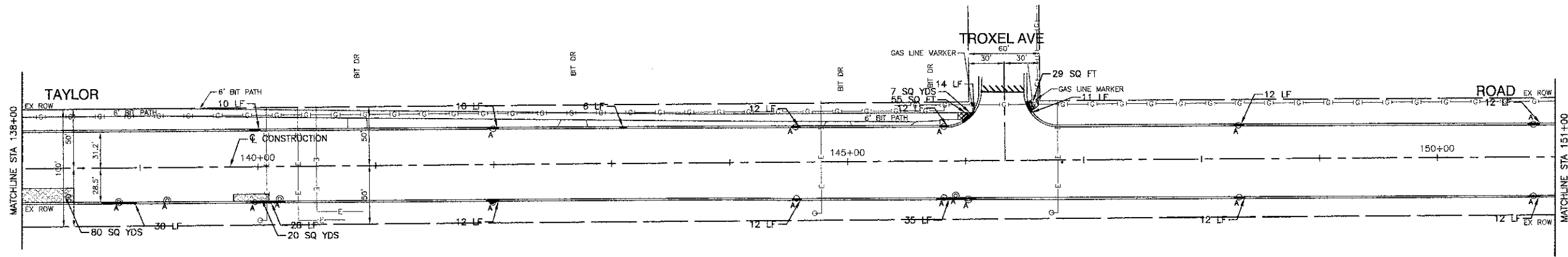
FILE NAME = 11817.PLAN01 - IDOT P04
USER NAME =
PLOT SCALE =
PLOT DATE = 05-02-12

DESIGNED -- JH	REVISED --
CHECKED -- HLG	REVISED --
DRAWN -- ACAD	REVISED --
CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TAYLOR ROAD ROADWAY RESURFACING PAVEMENT PLAN	
SCALE:	SHEET NO. 10 OF 26 SHEETS STA. TO STA.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0286	12-00059-00-RS	WILL	26	10
CONTRACT NO. 63727				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				



NOTES:  
1. APPROXIMATELY 100 RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE REMOVED EAST OF WEBER ROAD. THESE MARKERS WILL NOT BE REPLACED.

**LEGEND**

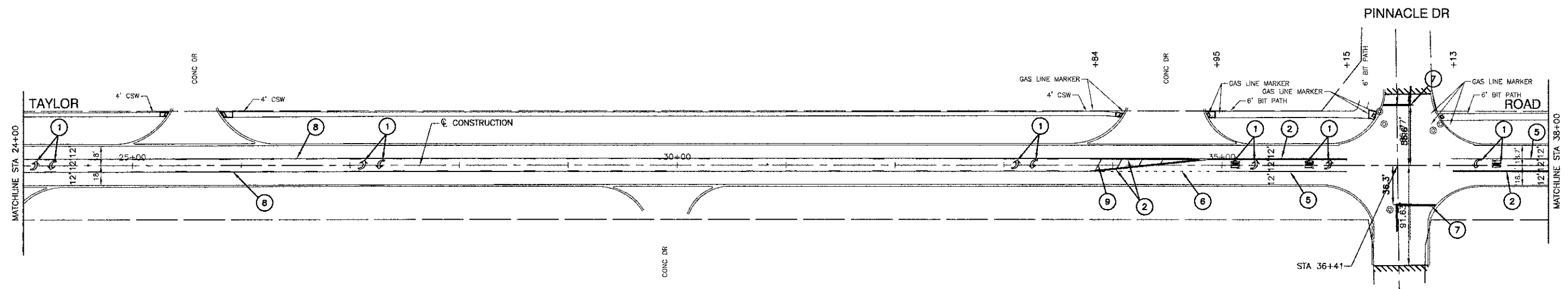
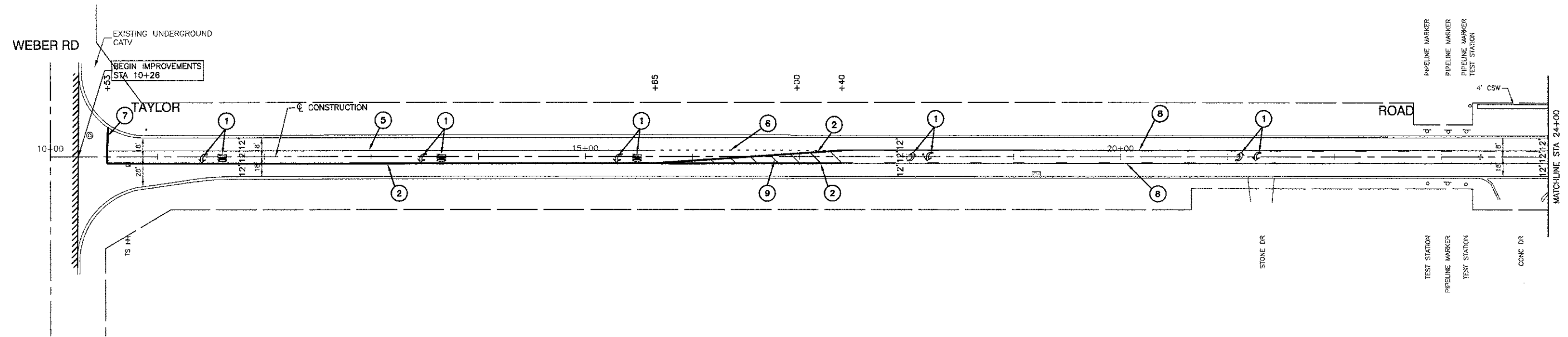
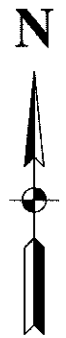
- BUTT JOINT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- COMBINATION B-6.24 CURB AND GUTTER REMOVAL AND REPLACEMENT
- HMA SIDEWALK REMOVAL & P.C. CONCRETE SIDEWALK REPLACEMENT
- P.C. CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (5")
- PAVEMENT REMOVAL WITH CLASS D PATCH, 10"
- STRUCTURE TO BE ADJUSTED
- PAVEMENT REMOVAL WITH PCC PAVEMENT, 10" (JOINTED) REPLACEMENT
- DETECTOR LOOP TO BE REPLACED

SEE ENLARGED VIEW FOR DIMENSIONS

END IMPROVEMENTS STA 164+45

NO EASTBOUND TRAFFIC SHALL BE STAGED ON THE WESTBOUND LANES DURING PAVEMENT REPLACEMENT OPERATIONS.

FILE NAME = 11617-PLAN-01 - IDOT P05	USER NAME =	DESIGNED — JH	REVISED —	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	TAYLOR ROAD ROADWAY RESURFACING PAVEMENT PLAN		F.A.U. RTE. 0286	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 11	
	PLOT SCALE =	DRAWN — ACAD	REVISED —		SCALE:	SHEET NO. 11 OF 26 SHEETS	STA.	TO STA.	CONTRACT NO. 63727			
	PLOT DATE = 05-02-12	CHECKED — ACAD	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)							



**LEGEND**

- ① WHITE LETTERS & SYMBOLS - FULL SIZE
- ② 4" DOUBLE YELLOW MEDIAN OUTLINE (11" OC)
- ③ 4" YELLOW MEDIAN OUTLINE
- ④ 4" WHITE SKIP DASH LANE LINE (10' LINE-30' SPACE)
- ⑤ 6" WHITE SOLID LINE
- ⑥ 6" WHITE SKIP DASH LINE (2' LINE-6' SPACE)
- ⑦ 24" WHITE STOP BAR
- ⑧ 4" YELLOW SKIP DASH LANE LINE (10' LINE-30' SPACE) & 4" SOLID LANE LINE
- ⑨ 12" YELLOW DIAGONAL LINE (75' C/C)

**NOTES:**

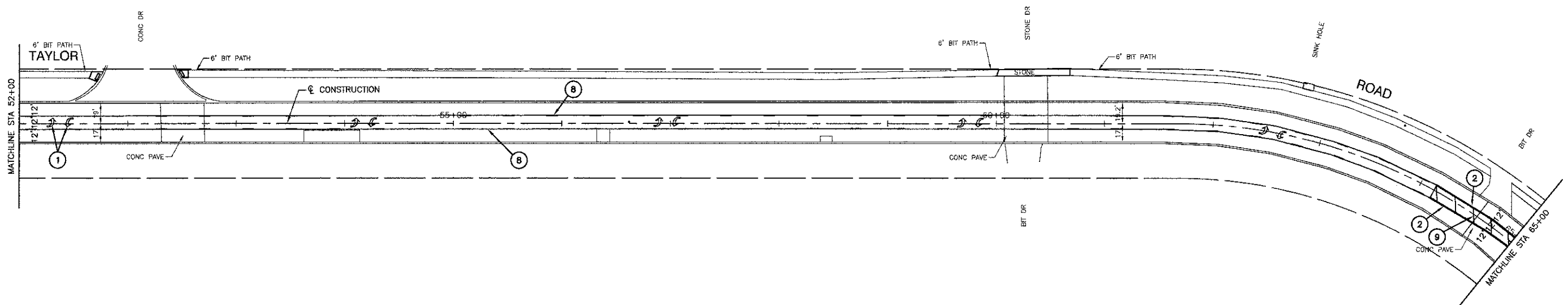
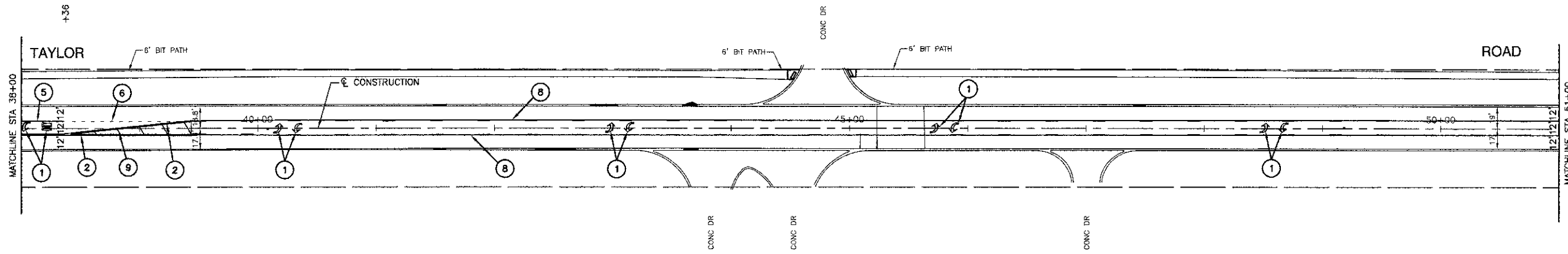
1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE PLACED ON ALL HMA PAVEMENT.
2. POLYUREA PAVEMENT MARKINGS SHALL BE PLACED ON ALL PCC PAVEMENT.

FILE NAME = 11817-PLAN-01 - IDOT P06

USER NAME =	DESIGNED -- JH	REVISED --
	CHECKED -- HLG	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 05-02-12	CHECKED -- ACAD	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TAYLOR ROAD ROADWAY RESURFACING PAVEMENT MARKING PLAN		F.A.U. RTE 0266	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 12
SCALE:	SHEET NO. 12 OF 26 SHEETS	STA.	TO STA.	CONTRACT NO. 63727		
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)		



**LEGEND**

- ① WHITE LETTERS & SYMBOLS - FULL SIZE
- ② 4" DOUBLE YELLOW MEDIAN OUTLINE (11" OC)
- ③ 4" YELLOW MEDIAN OUTLINE
- ④ 4" WHITE SKIP DASH LANE LINE (10' LINE-30' SPACE)
- ⑤ 6" WHITE SOLID LINE
- ⑥ 6" WHITE SKIP DASH LINE (2' LINE-6' SPACE)
- ⑦ 24" WHITE STOP BAR
- ⑧ 4" YELLOW SKIP DASH LANE LINE (10' LINE-30' SPACE) & 4" SOLID LANE LINE
- ⑨ 12" YELLOW DIAGONAL LINE (75' C/C)

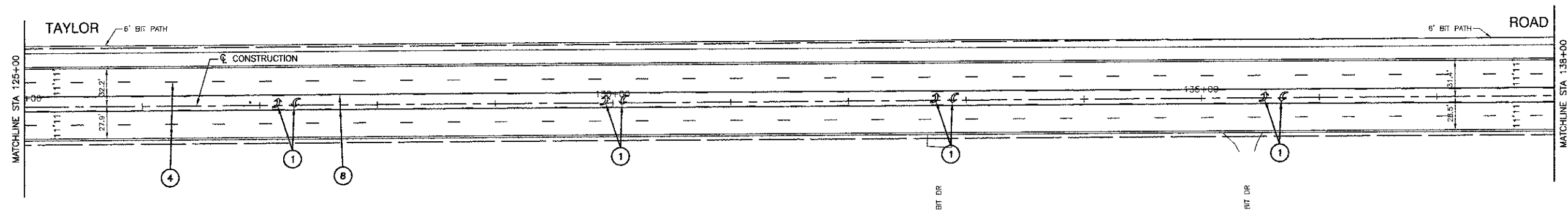
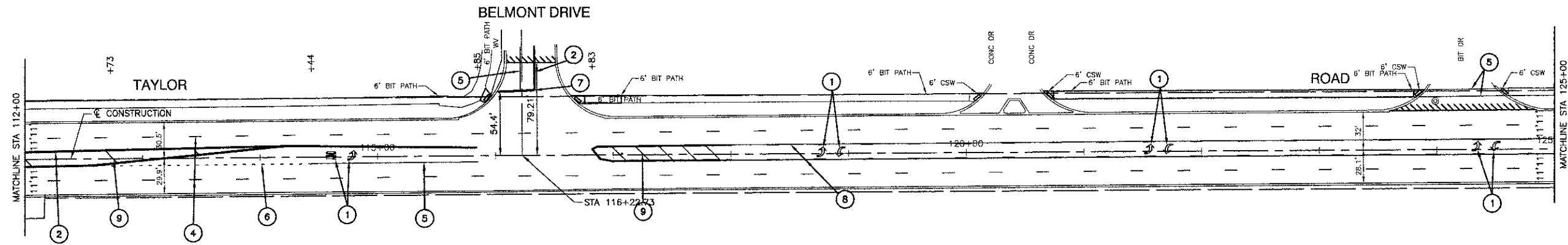
- NOTES:**
1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE PLACED ON ALL HMA PAVEMENT.
  2. POLYUREA PAVEMENT MARKINGS SHALL BE PLACED ON ALL PCC PAVEMENT.

FILE NAME = 11617-PLAN 01 - IDOT P07	USER NAME =	DESIGNED -- JH	REVISED --
		CHECKED -- HLG	REVISED --
	PLOT SCALE =	DRAWN -- ACAD	REVISED --
	PLOT DATE = 05-02-12	CHECKED -- ACAD	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TAYLOR ROAD ROADWAY RESURFACING PAVEMENT MARKING PLAN		F.A.U. RTE. 0288	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 13
SCALE:	SHEET NO. 13 OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT #4-4003(021)





**LEGEND**

- ① WHITE LETTERS & SYMBOLS - FULL SIZE
- ② 4" DOUBLE YELLOW MEDIAN OUTLINE (11" OC)
- ③ 4" YELLOW MEDIAN OUTLINE
- ④ 4" WHITE SKIP DASH LANE LINE (10' LINE-30' SPACE)
- ⑤ 6" WHITE SOLID LINE
- ⑥ 6" WHITE SKIP DASH LINE (2' LINE-6' SPACE)
- ⑦ 24" WHITE STOP BAR
- ⑧ 4" YELLOW SKIP DASH LANE LINE (10' LINE-30' SPACE) & 4" SOLID LANE LINE
- ⑨ 12" YELLOW DIAGONAL LINE (75' C/C)

**NOTES:**

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE PLACED ON ALL HMA PAVEMENT.
2. POLYUREA PAVEMENT MARKINGS SHALL BE PLACED ON ALL PCC PAVEMENT.

FILE NAME = 11617-PLAN01 - IDOT P09

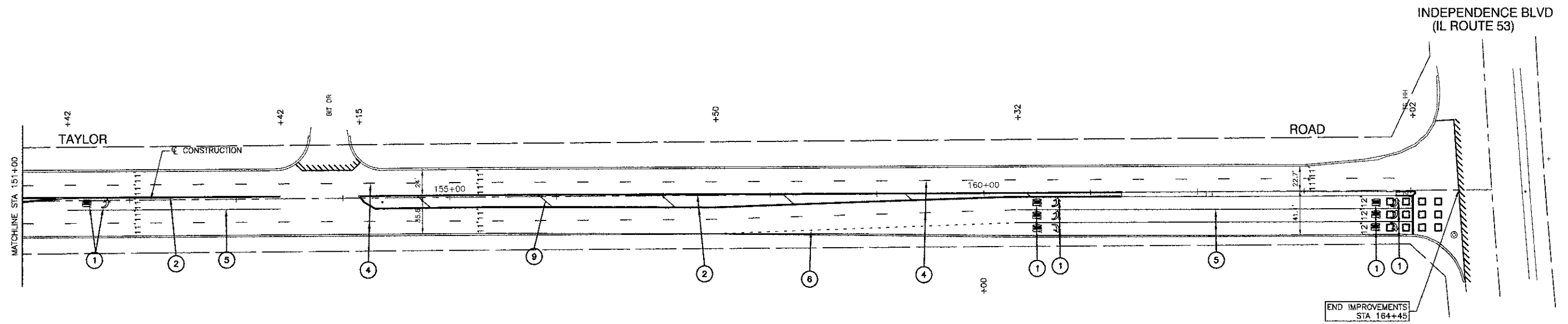
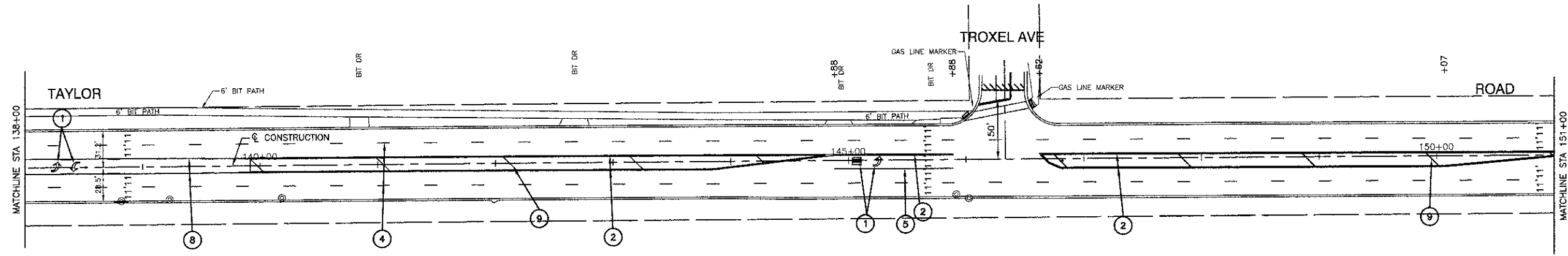
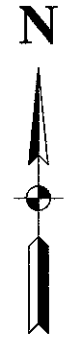
USER NAME =	DESIGNED -- JH	REVISED --
	CHECKED -- HLG	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 05-02-12	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TAYLOR ROAD  
ROADWAY RESURFACING  
PAVEMENT MARKING PLAN

SCALE: SHEET NO. 15 OF 26 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0286	12-00059-00-RS	WILL	26	15
CONTRACT NO. 63727				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				



**LEGEND**

- ① WHITE LETTERS & SYMBOLS - FULL SIZE
- ② 4" DOUBLE YELLOW MEDIAN OUTLINE (11" OC)
- ③ 4" YELLOW MEDIAN OUTLINE
- ④ 4" WHITE SKIP DASH LANE LINE (10' LINE-30' SPACE)
- ⑤ 6" WHITE SOLID LINE
- ⑥ 6" WHITE SKIP DASH LINE (2' LINE-6' SPACE)
- ⑦ 24" WHITE STOP BAR
- ⑧ 4" YELLOW SKIP DASH LANE LINE (10' LINE-30' SPACE) & 4" SOLID LANE LINE
- ⑨ 12" YELLOW DIAGONAL LINE (75' C/C)

**NOTES:**

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE PLACED ON ALL HMA PAVEMENT.
2. POLYUREA PAVEMENT MARKINGS SHALL BE PLACED ON ALL PCC PAVEMENT.

FILE NAME = 11817-PLAN-01 - IDOT P010
USER NAME =
PLOT SCALE =
PLOT DATE = 05-02-12

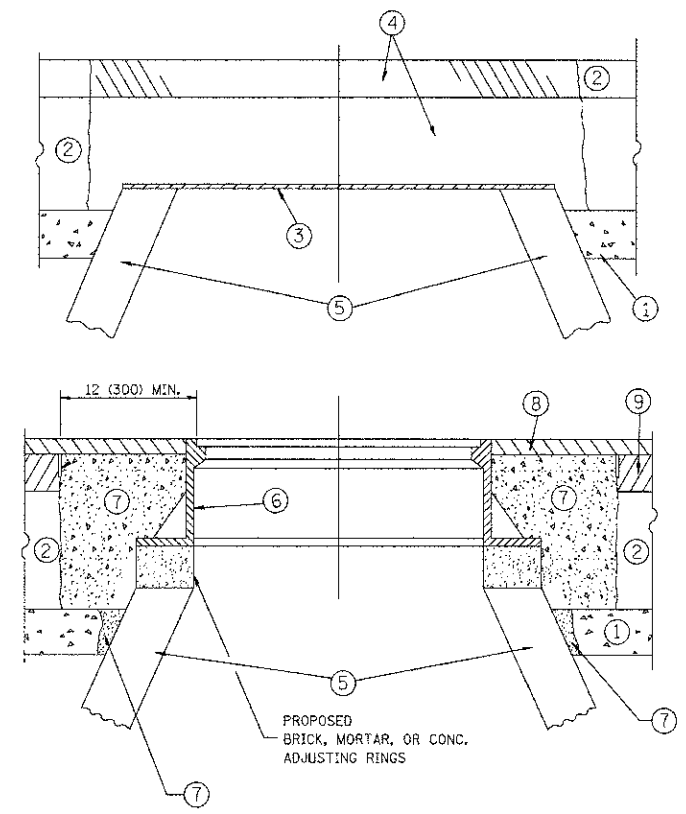
DESIGNED -- JH	REVISED --
CHECKED -- HLG	REVISED --
DRAWN -- ACAD	REVISED --
CHECKED -- ACAD	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TAYLOR ROAD ROADWAY RESURFACING PAVEMENT MARKING PLAN	
SCALE:	TO STA.
SHEET NO. 16 OF 26 SHEETS	STA. TO STA.

F.A.U. RTE. 0206	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 16
CONTRACT NO. 63727				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				





**CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
  - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
  - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- \*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER.

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-1* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

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

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

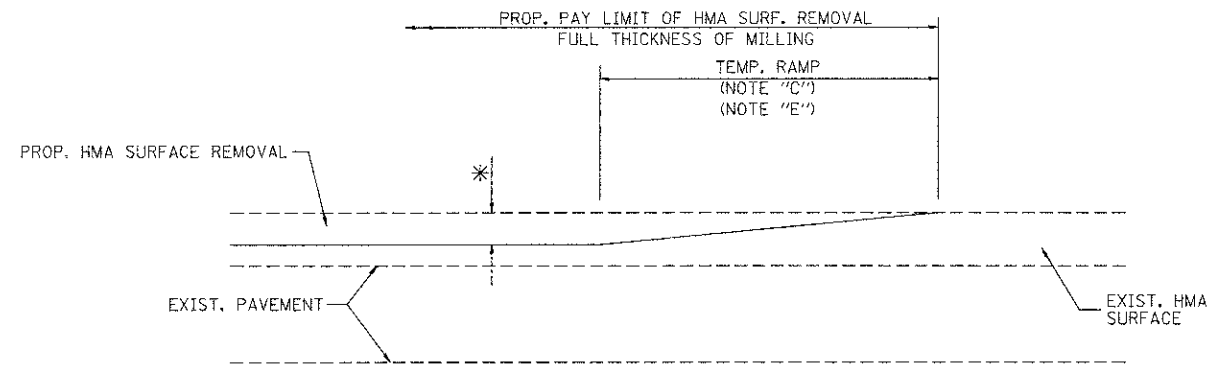
**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07
R. BORO	03/09/11
R. BORO	12/06/11

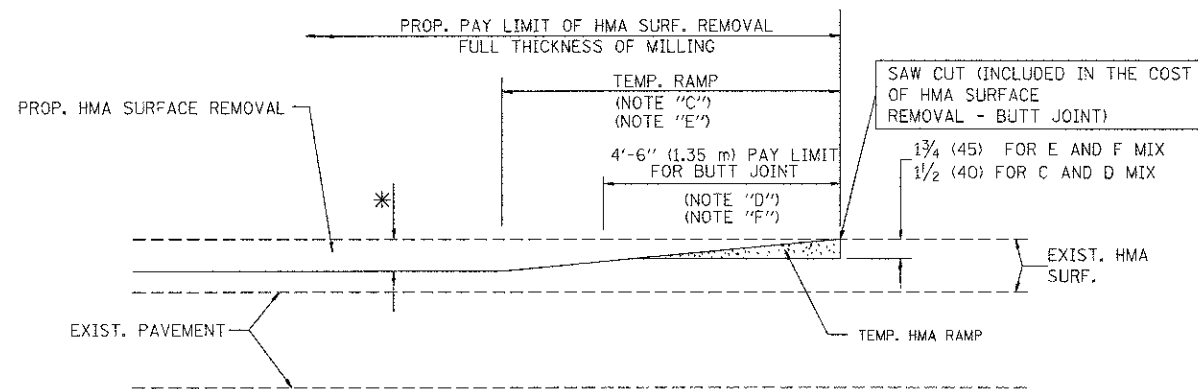
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

SCALE: VERT. NONE  
HORZ.  
DRAWN BY  
CHECKED BY



MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

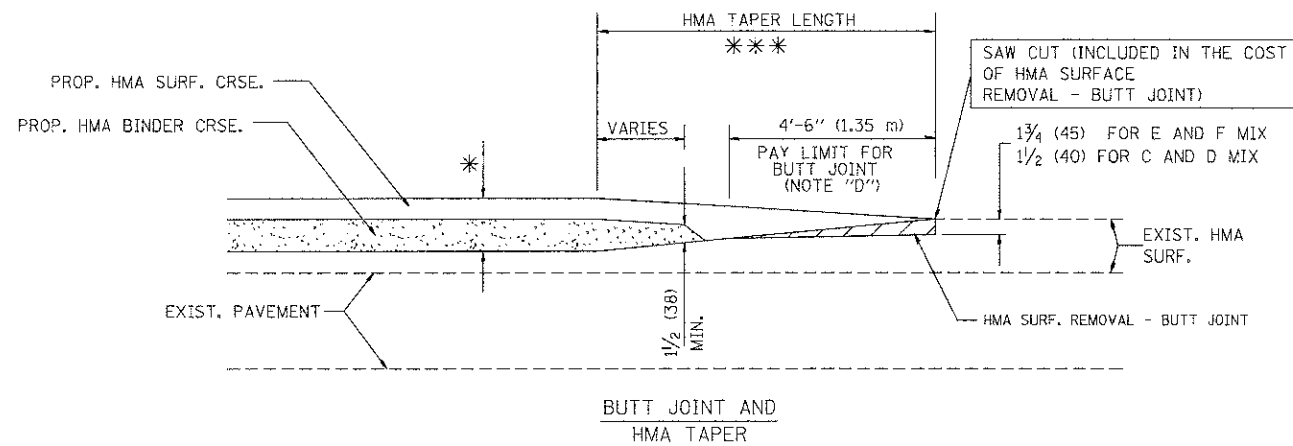
OPTION 1



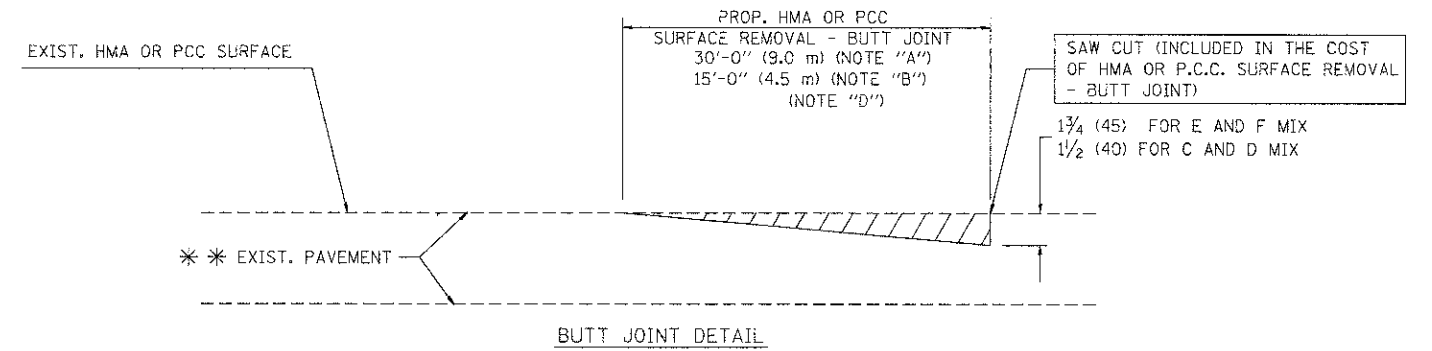
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

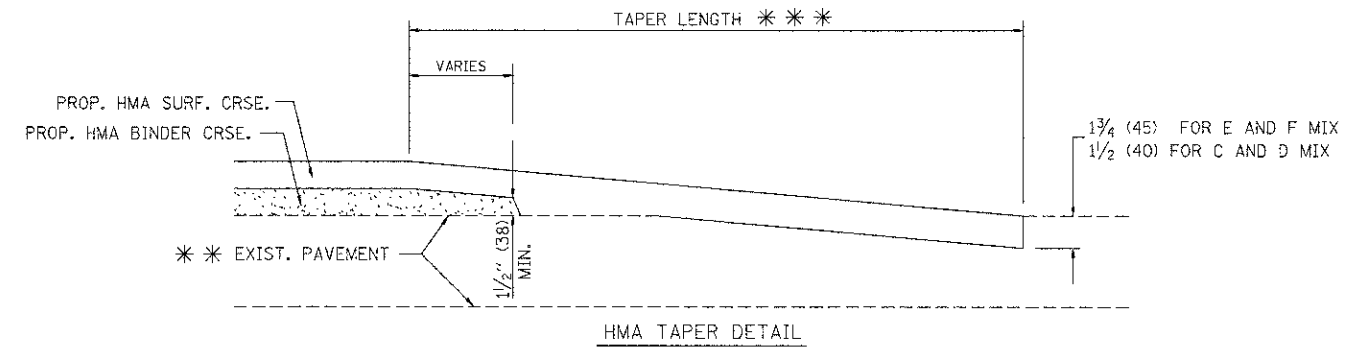
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

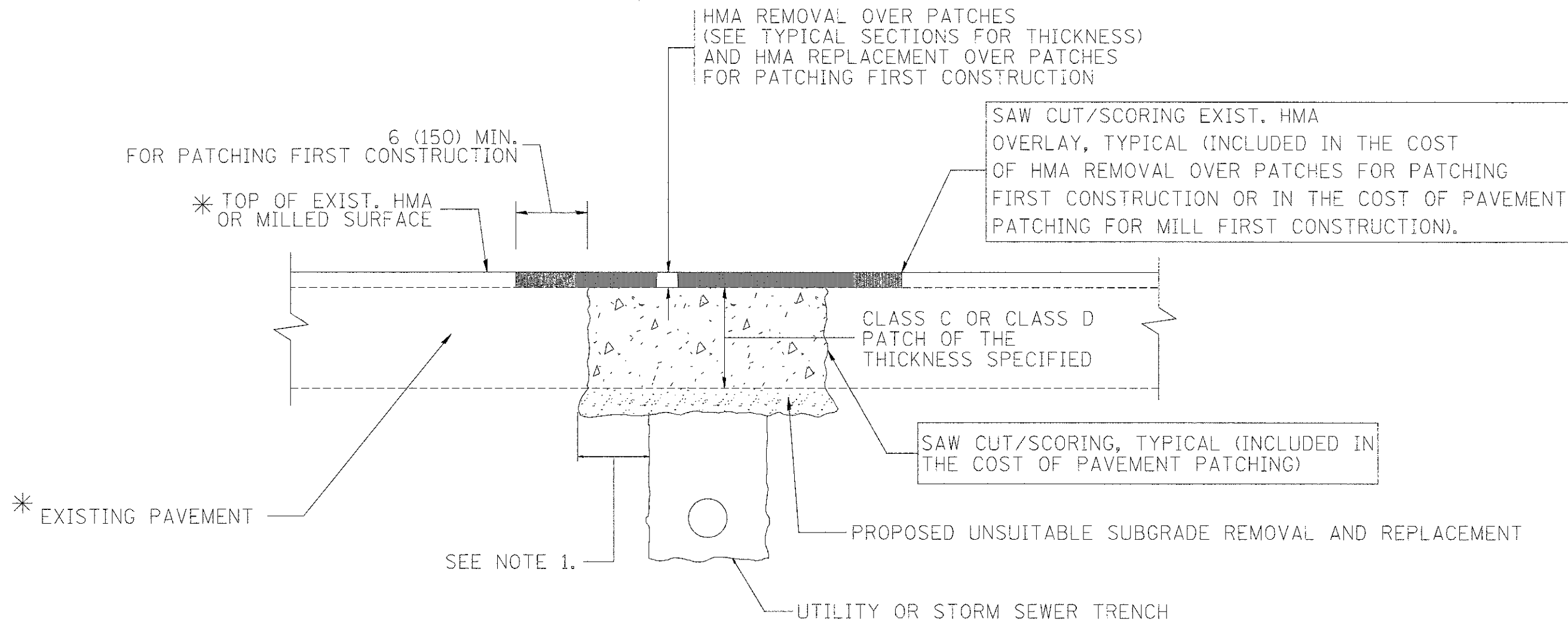
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\d\statd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE BUTT JOINT AND HMA TAPER DETAILS</b>		FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97		0286	12-00059-00-RS	WILL	26	18		
		PLOT SCALE = 50,000' / IN.	REVISED - M. GOMEZ 04-06-01		<b>BD400-05 BD32</b>			CONTRACT NO. 63727			
		PLOT DATE = 1/4/2008	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 18	OF 26 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

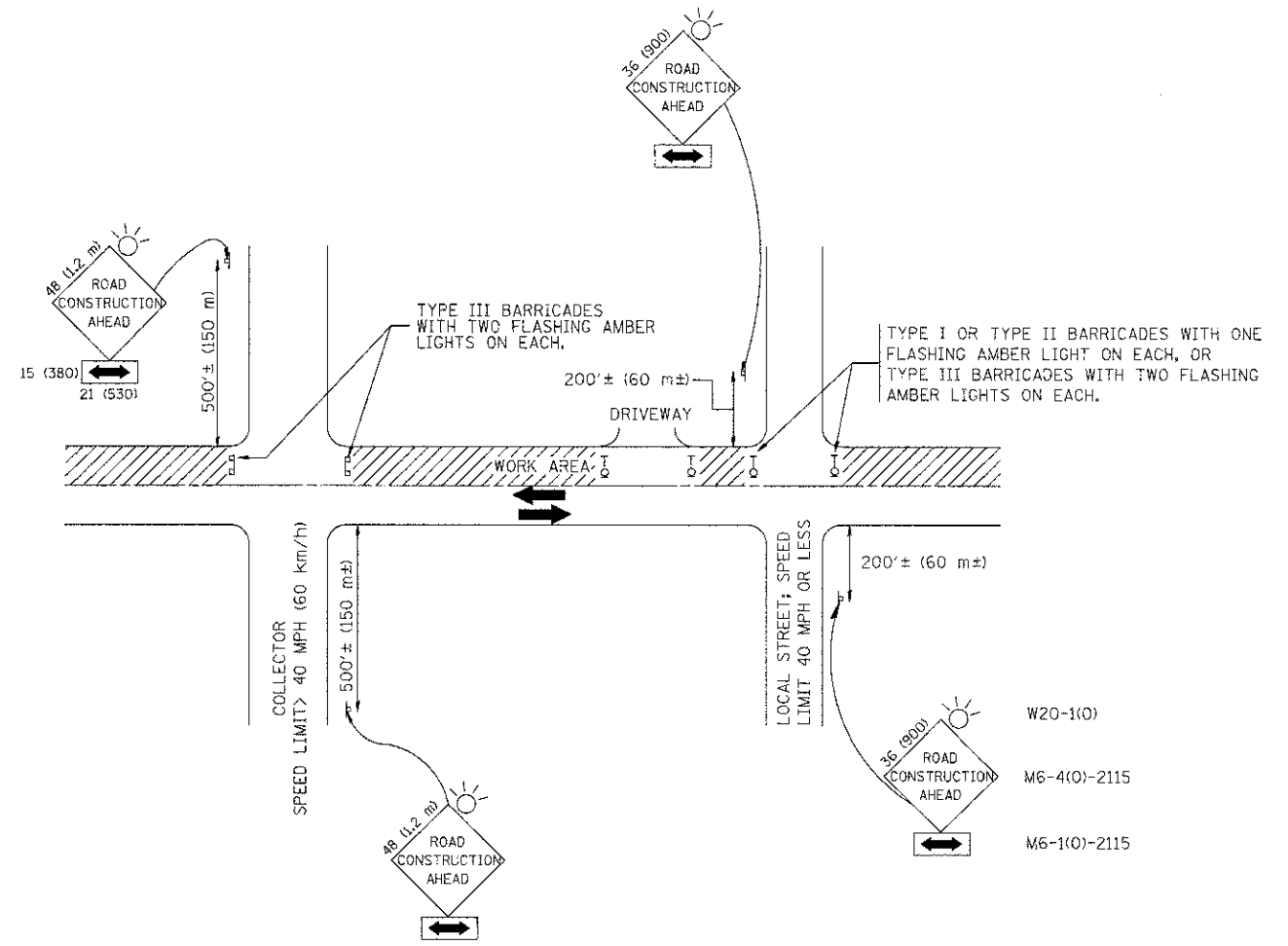
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = beaurd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			FAU RTE. 0288	SECTION 12-00069-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 19
	PLOT SCALE = 60,000 * / IN.	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 19	OF 26 SHEETS	STA.	TO STA.	<b>BD400-04 (BD-22)</b> CONTRACT NO. 63727		
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07									
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)							



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

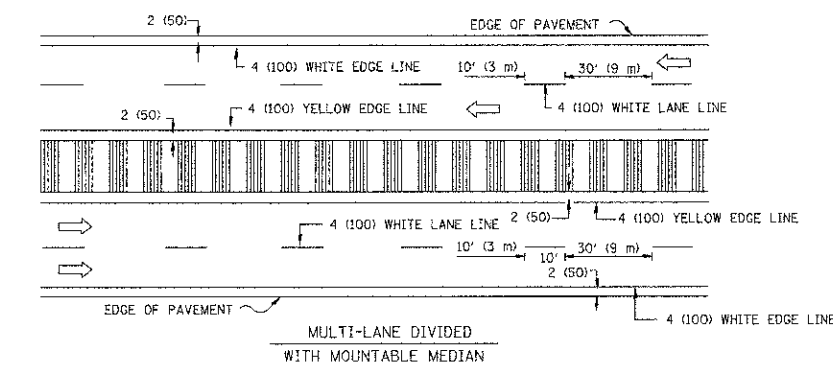
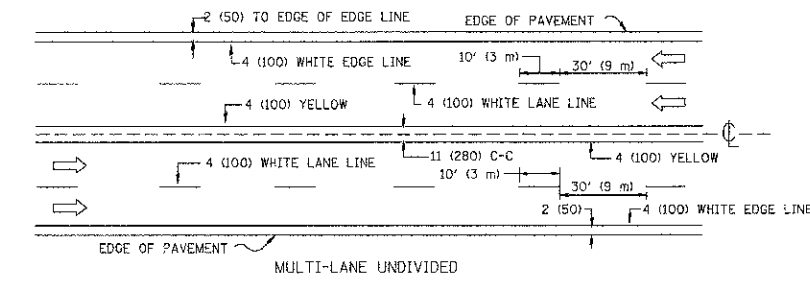
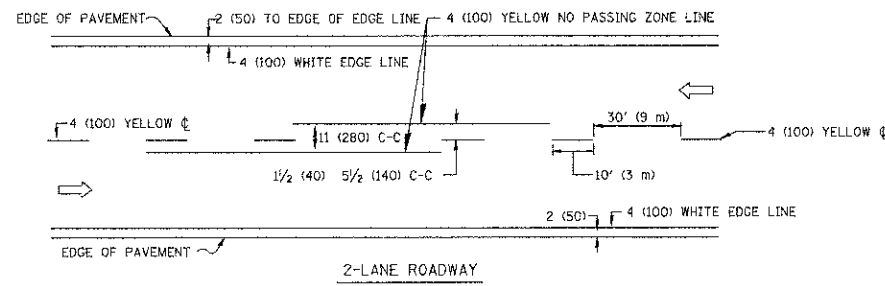
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

  - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
  - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

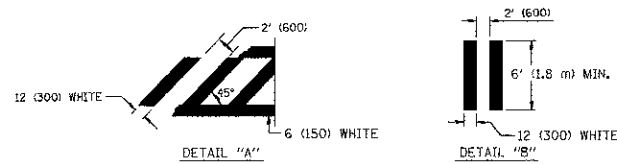
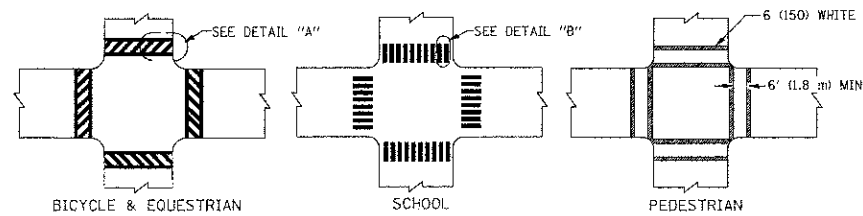
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\td10.dgn	USER NAME = gagliano	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - A. HOUSEH 03-06-96		0296	12-00059-00-RS	WILL	26	20			
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00		<b>TC-10</b>		CONTRACT NO. 63727		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT M-4003(021)			
				SCALE: NONE	SHEET NO. 20	OF 26 SHEETS	STA.	TO STA.				

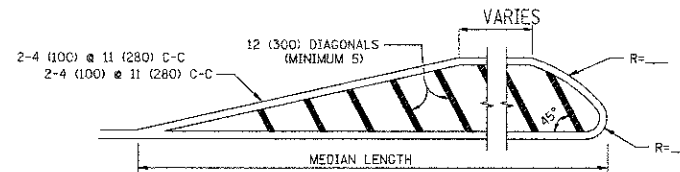
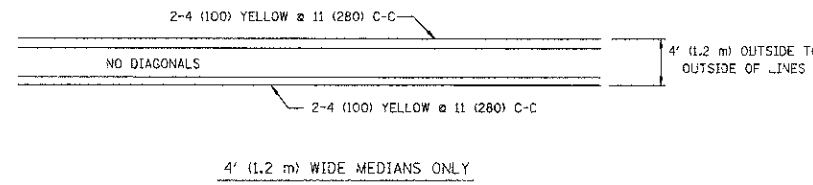


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



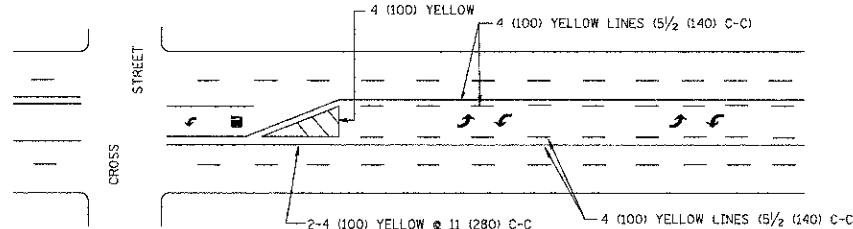
TYPICAL CROSSWALK MARKING



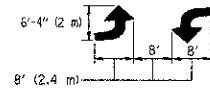
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (23 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

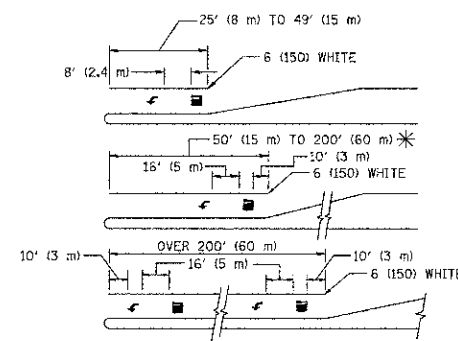


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

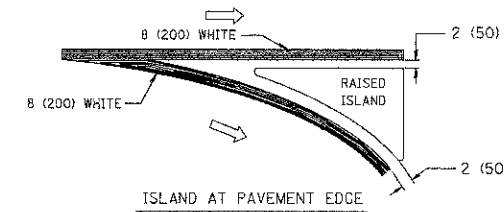
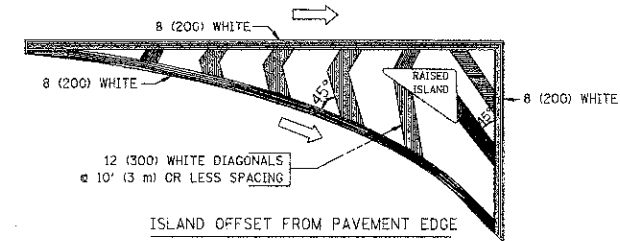


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
5 (125) ON FREEWAYS	5 (125)	SKIP-DASH	WHITE	
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (23 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

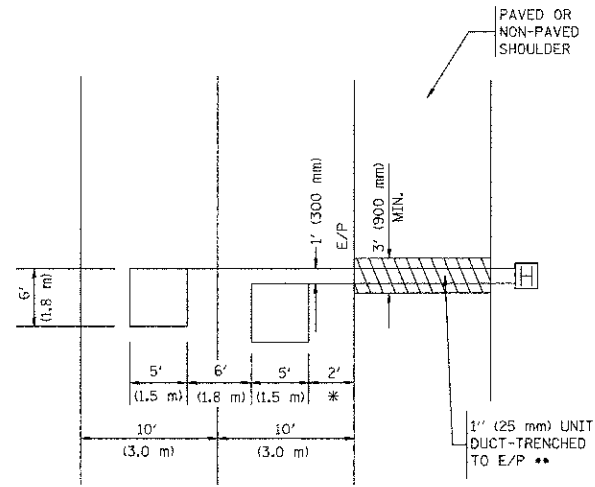
FILE NAME =	USER NAME = drsvakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
as:\pwork\pwork\drsvakosgn\d0106315\td3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE = 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 21 OF 26 SHEETS	STA. TO STA.	F.A.U. R.T.E. 0208	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 21
			DISTRICT ONE TYPICAL PAVEMENT MARKINGS				
			TC-13		CONTRACT NO. 63727		
			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-4003(021)		

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

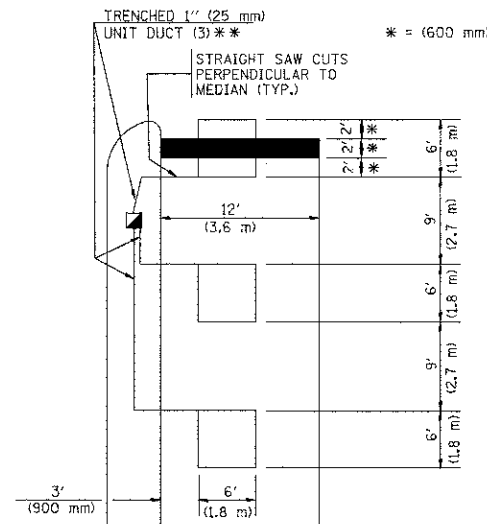


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



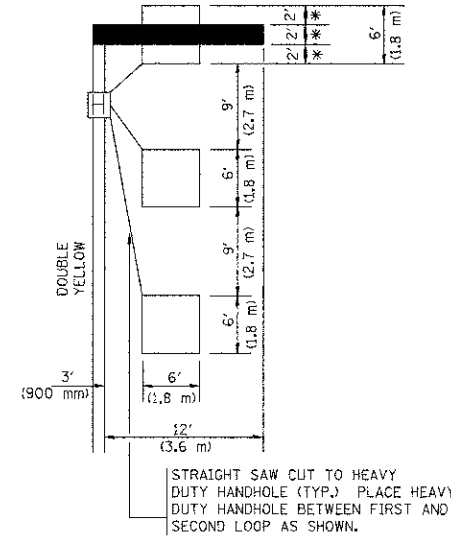
\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

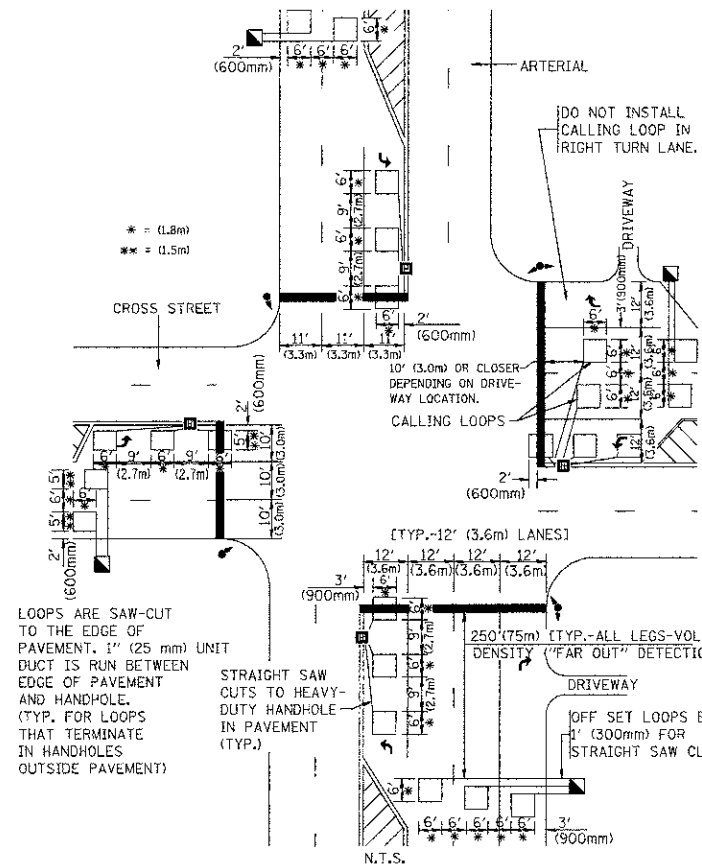
**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**

\* = (600 mm)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**

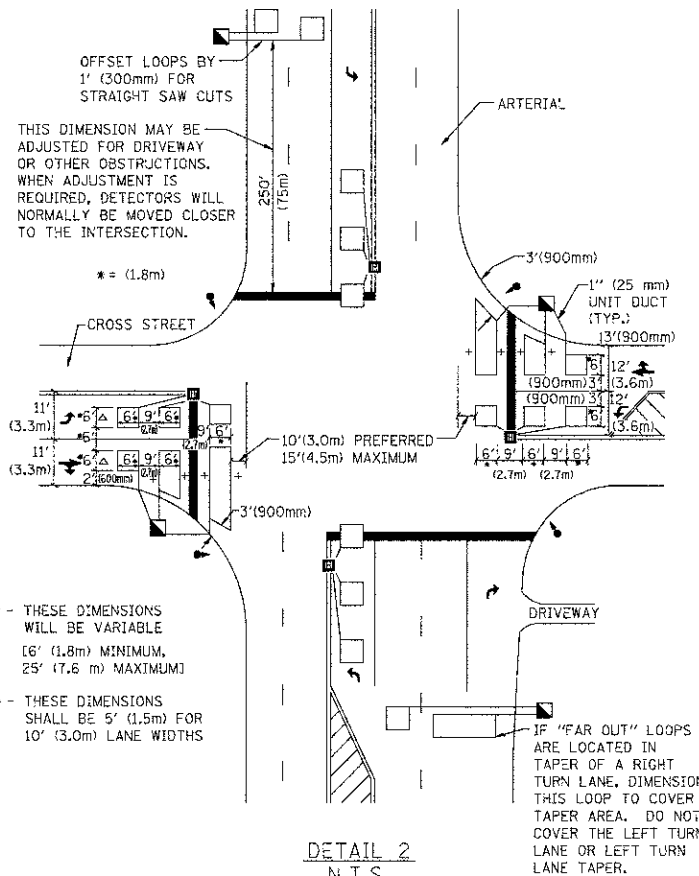


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1  
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8 m) MINIMUM, 25' (7.6 m) MAXIMUM]  
△ - THESE DIMENSIONS SHALL BE 5' (1.5 m) FOR 10' (3.0 m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2  
N.T.S.

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX, EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DIMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

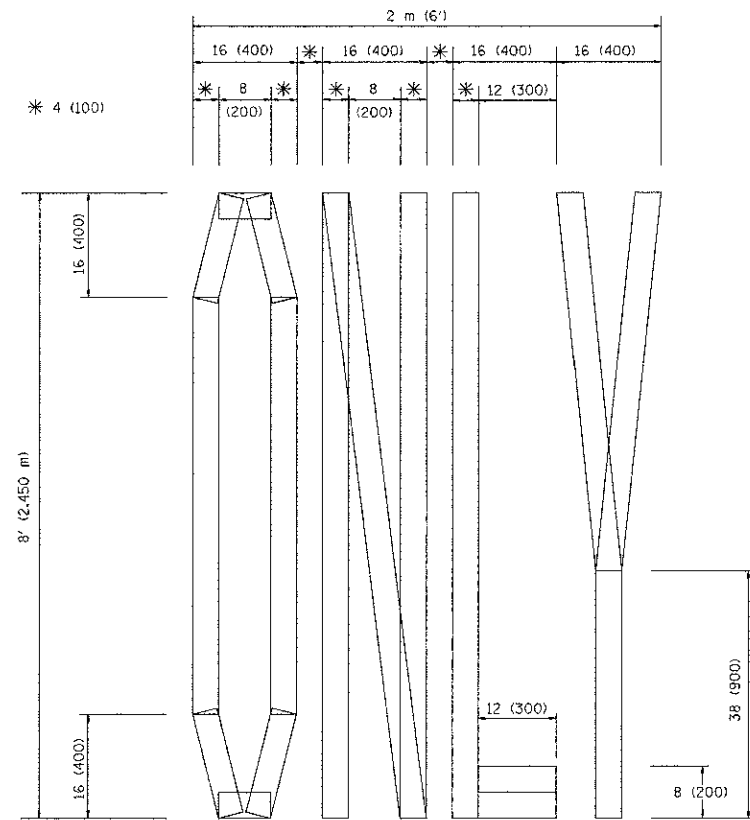
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

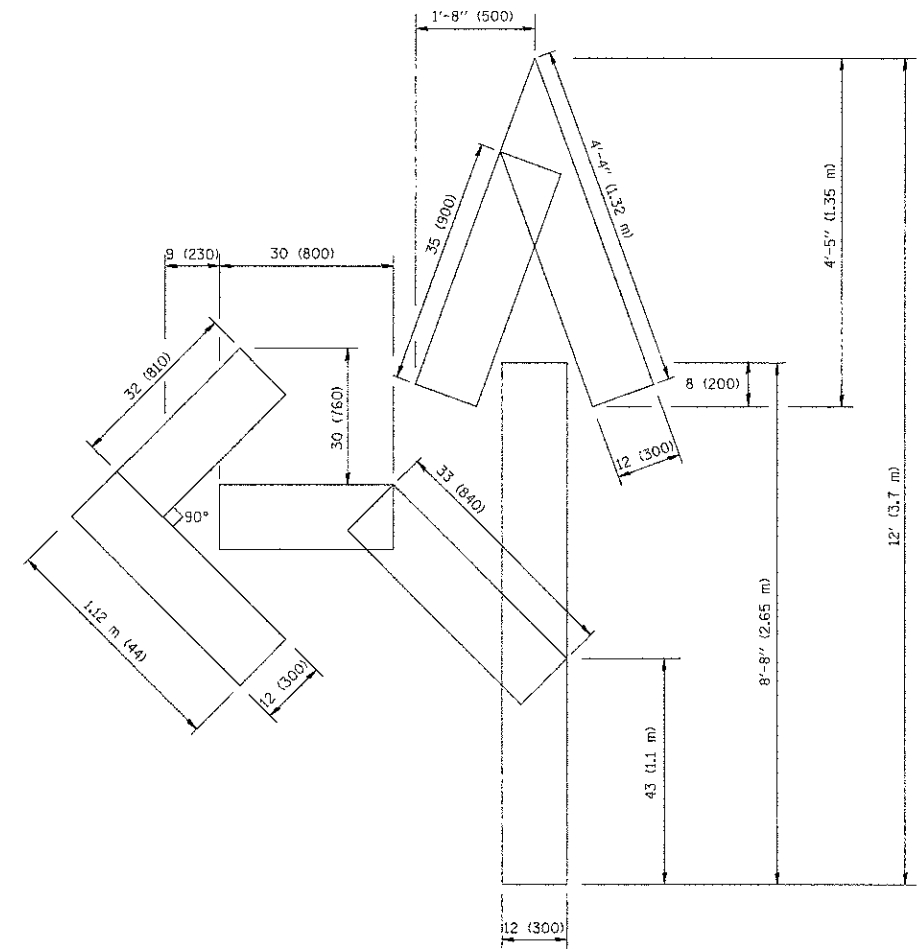
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

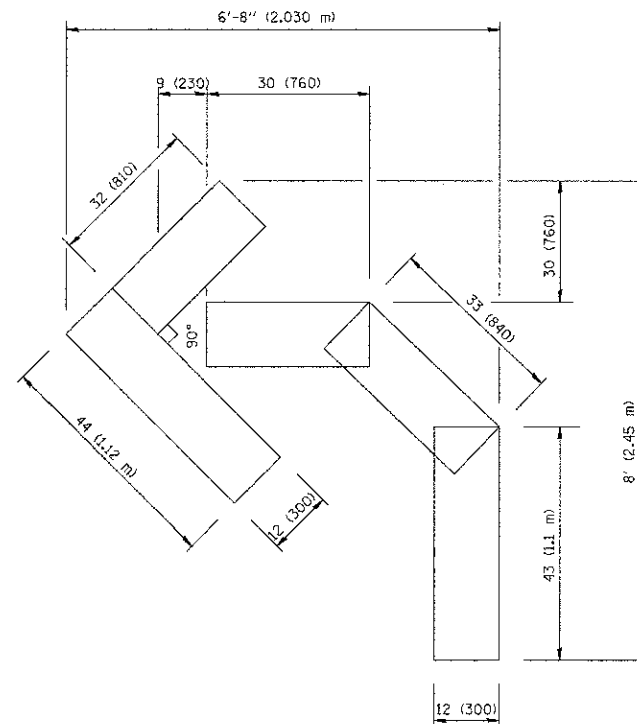
FILE NAME = W:\diststd\22\34\ts07.dgn	USER NAME = gaglienobt	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>	FAU RTE = 0206	SECTION = 12-00059-00-RS	COUNTY = WILL	TOTAL SHEETS = 26	SHEET NO. = 22	
PLT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISED -	REVISED -			SCALE: NONE	SHEET NO. 22 OF 26 SHEETS	STA. TO STA.	<b>TS-07</b>		CONTRACT NO. 63727
PLT DATE = 1/4/2006	DATE -	REVISED -	REVISED -					FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4005(021)	



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\data\d22x34\to16.dgn	USER NAME = gogienobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - PAVEMENT MARKING LETTERS AND  
 SYMBOLS FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 23 OF 26 SHEETS STA. TO STA.

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0206	12-00058-00-RS	WILL	26	23
TC-16			CONTRACT NO. 63727	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003(021)	

**ROUTE MARKERS**

FOR U.S. ROUTES  
M1-40-2424

FOR ILLINOIS ROUTES  
M1-50-2424

R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

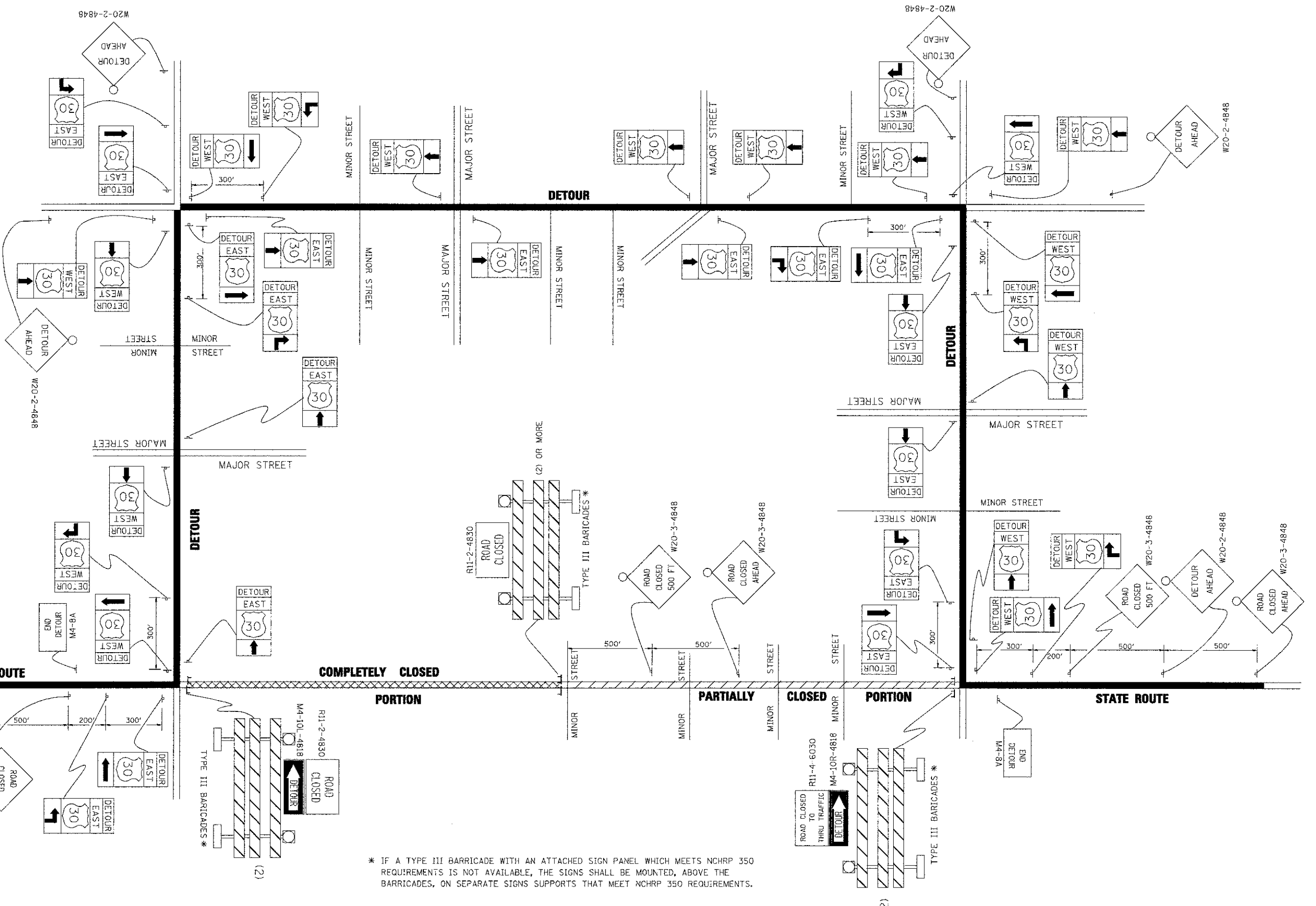
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

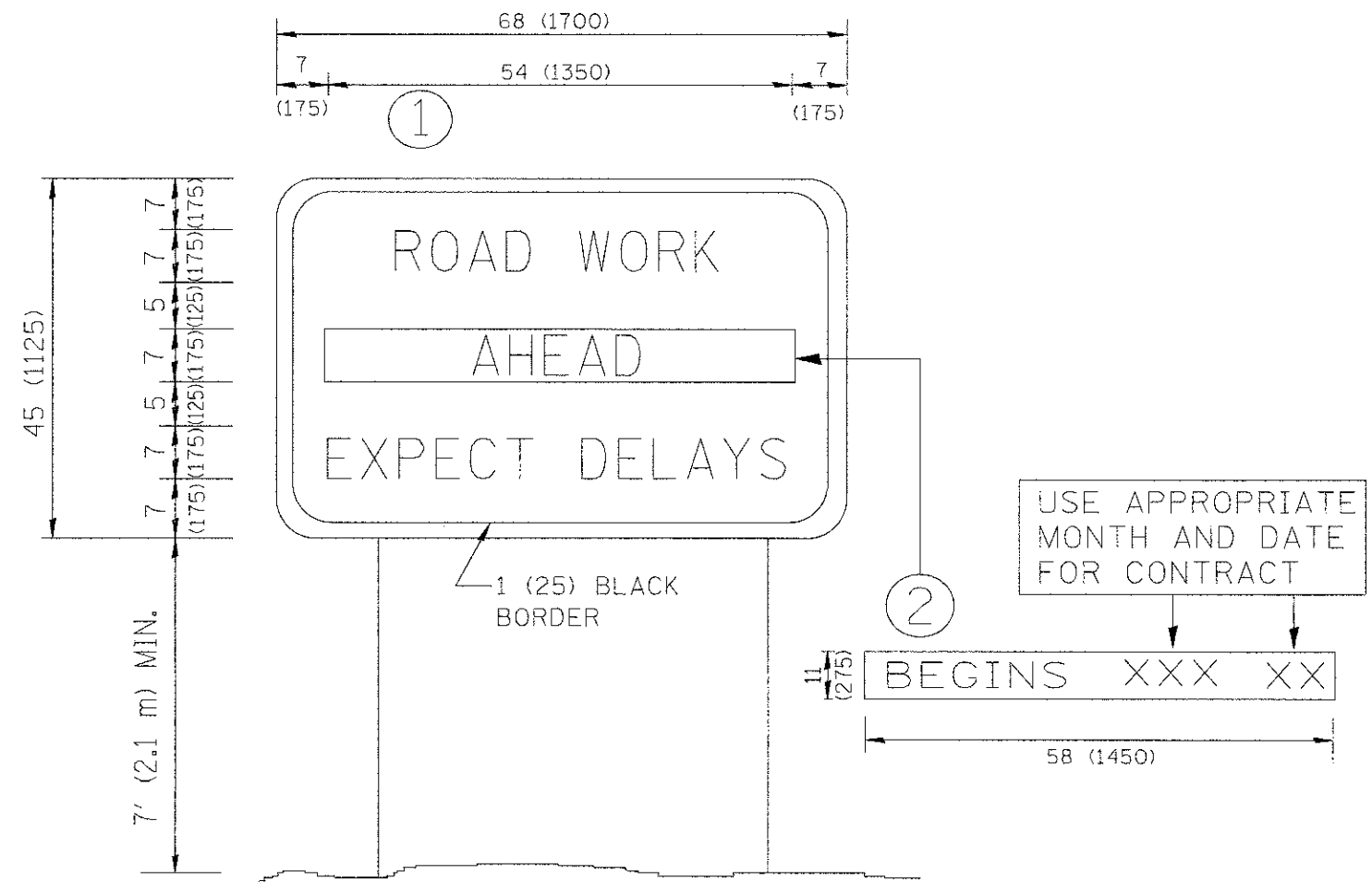
FILE NAME =	USER NAME = drivakasn	DESIGNED -	REVISED - 10-18-02
as:\pw\work\PM\DOT\DRIVAKAS\N\108315\21.dgn		DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 49.9999 / IN.		CHECKED -	REVISED -
PLOT DATE = 9/14/2009		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 24 OF 26 SHEETS	STA.	TO STA.
-------------	---------------------------	------	---------

F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0286	12-00059-00-RS	WILL	26	24
TC-21			CONTRACT NO. 63727	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

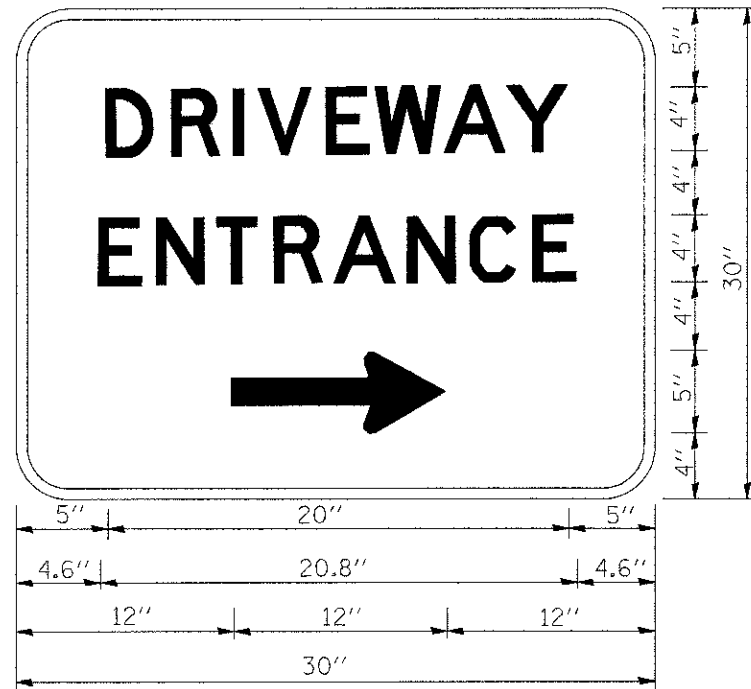
FILE NAME = W:\diststd\22x34\sc22.dgn	USER NAME = ggg1ianobt	DESIGNED - DRAWN -	REVISED - REVISED -
PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - ARTERIAL ROAD  
INFORMATION SIGN

SCALE: NONE SHEET NO. 25 OF 26 SHEETS STA. TO STA.

F.A.U. RTE. 0208	SECTION 12-00059-00-RS	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 25
TC-22			CONTRACT NO. 63727	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(021)				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)  
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".