

F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	1
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

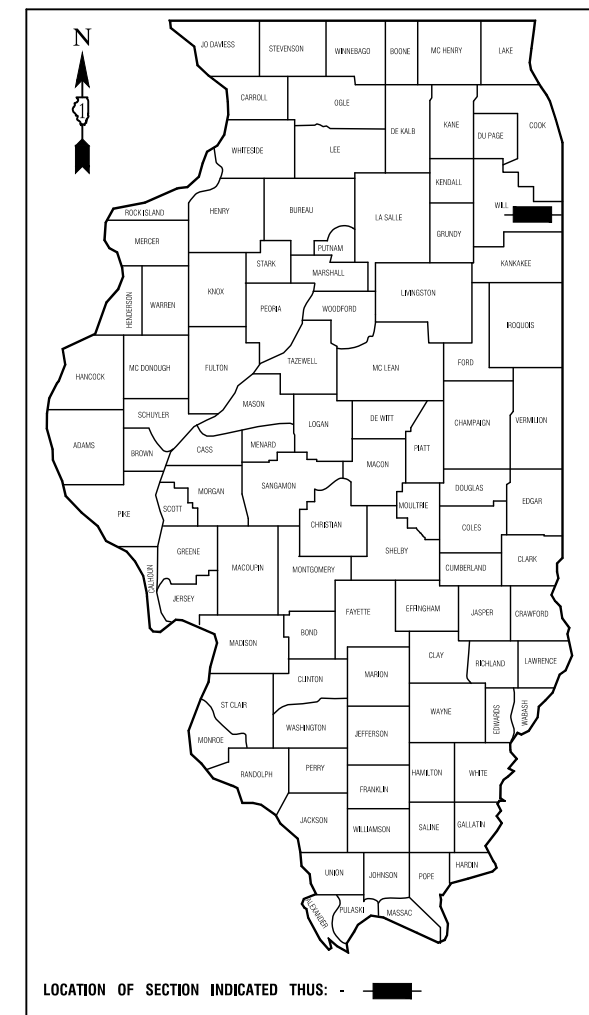
CONTRACT #61F81

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

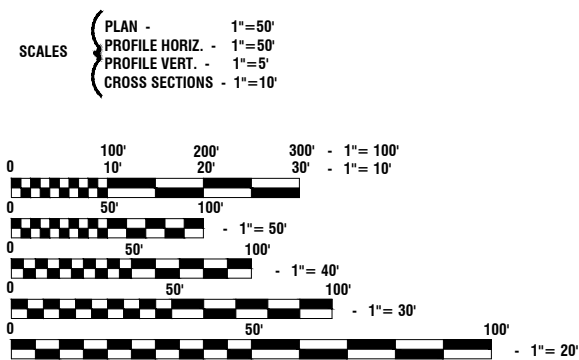
**FAU 417 (CORNING AVE)
RATHJE ROAD (FAU 4304) TO IL ROUTE 50 (FAP 840)
RESURFACING
SECTION NO.: 17-00048-00-RS
PROJECT NO.: FR1B(958)
VILLAGE of PEOTONE
WILL COUNTY
C-91-006-18**

**INDEX OF SHEETS
SEE SHEET NO. 2**

**HIGHWAY STANDARDS
SEE SHEET NO. 2**



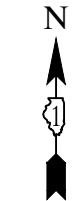
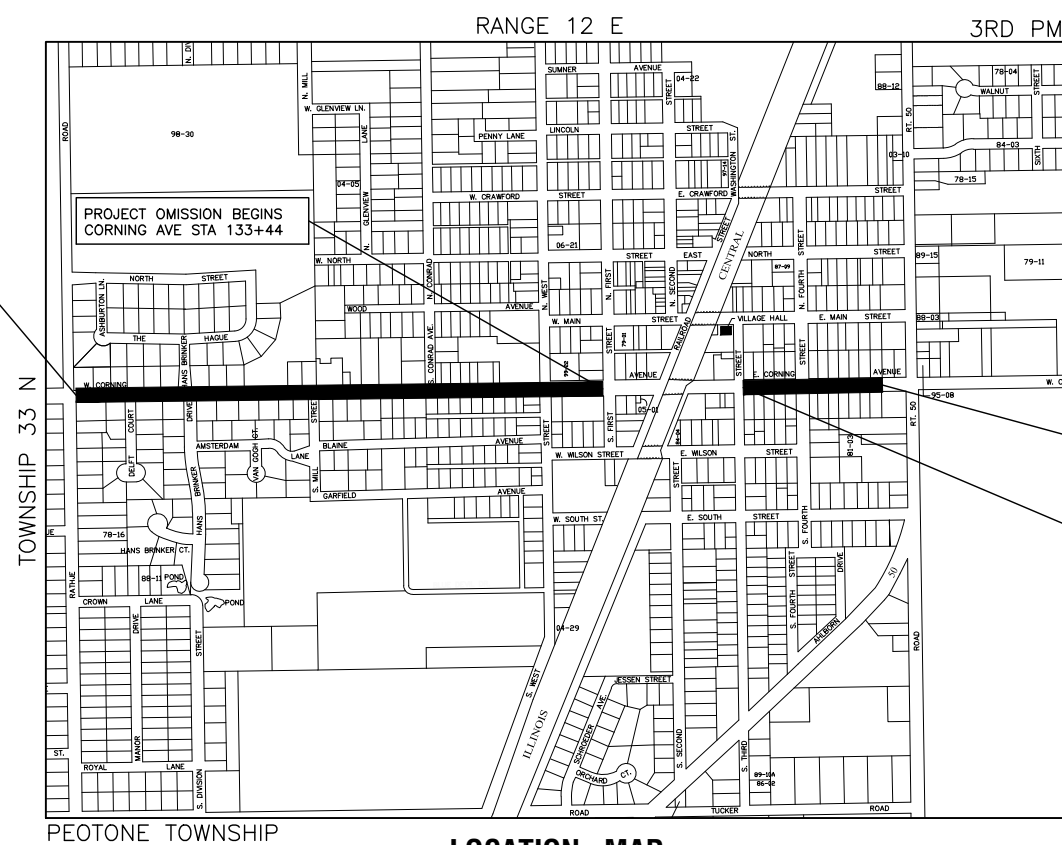
	CORNING AVENUE
2018 ADT -	1,700
2030 ADT -	1,700
POSTED SPEED LIMIT -	25 mph
DESIGN PERIOD -	20 YEARS
DESIGN SPEED LIMIT -	30 mph
STREET CLASSIFICATION -	MAJOR COLLECTOR



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

BEGIN IMPROVEMENTS
CORNING AVE STA 100+20



END IMPROVEMENTS
CORNING AVE STA 150+33

PROJECT OMISSION ENDS
CORNING AVE STA 142+30

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

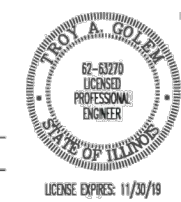
Approved: [Signature] 2/25/19
President, Village of PEOTONE

Passed: [Signature] 3/14/19
District Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: [Signature] March 14, 2019
Regional Engineer

**PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS**

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
[Signature] 2/25/19



FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61F81

LOCATION MAP
GROSS LENGTH=5,012.92 FEET=0.95 MILES
NET LENGTH=4,127.65 FEET=0.78 MILES

INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
- 3. SUMMARY OF QUANTITIES
- 4. TYPICAL CROSS SECTIONS
- 5.-6. PAVEMENT PLAN
- 7.-8. PAVEMENT MARKING PLAN
- 9.-15. IDOT DISTRICT 1 STANDARD DETAILS

HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001-11 PERPENDICULAR CURB RAMPS
- 424006-04 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALK
- 442201-03 CLASS C AND D PATCHES
- 604001-05 FRAMES AND LIDS TYPE 1
- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- 1. THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (708-331-6700), AND THE PUBLIC WORKS DIRECTOR, AT THE VILLAGE OF PEOTONE, SHALL BE NOTIFIED TWO (2) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
- 2. 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)
- 3. 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.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 5. 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.
- 6. 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.
- 7. CLASS D PATCHING QUANTITIES FOR THIS CONTRACT SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER AFTER PAVEMENT MILLING.
- 8. EXISTING TREES ARE NOT AFFECTED BY THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL BE CAUTIOUS ON TREE PROTECTION DURING THE CONSTRUCTION.
- 9. NO PAVEMENT PATCHING SHALL BE PERMITTED AFTER FRIDAY AT 3:00 PM OF EACH AND EVERY WEEK AND NO HOLES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT OR OVER THE WEEKEND.
- 10. ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
- 11. HMA PAVING SHALL BE PERFORMED WITH HOT JOINTS.

FILE NAME = 14526_02-INDX-01 - IDOT P01

USER NAME =	DESIGNED -- ----	REVISED --
	CHECKED -- ----	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 10-23-19	CHECKED -- LTL	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU 417 (RESURFACING)

INDEX OF SHEETS & STATE STANDARDS, HIGHWAY STANDARDS AND GENERAL NOTES

SCALE: NONE SHEET NO. 2 OF 15 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	2
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT ----	
CONTRACT NO. 61F81				

LAST SAVED BY: TOOLEM ON 10/23/19
PLOTTED BY: RICHARD GONDEK ON 10/23/19

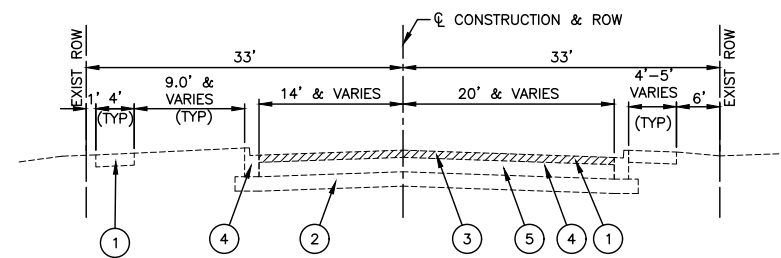
SUMMARY OF QUANTITIES					ROADWAY	SAFETY
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 0005	0021
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	565		565
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	40	40	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12200	12200	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	250	250	
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	760	760	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1520	1520	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	75	75	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5075		5075
	42400800	DETECTABLE WARNINGS	SQ FT	350		350
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	17500	17500	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	145	145	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3055	3055	
	44000600	SIDEWALK REMOVAL	SQ FT	5075		5075
	44201690	CLASS D PATCHES, TYPE I, 4 INCH	SQ YD	60	60	
	44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	75	75	
	44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	175	175	
	44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	120	120	
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	105	105	
	67100100	MOBILIZATION	LSUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	200		200
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	70		70

* - INDICATES SPECIALTY ITEMS

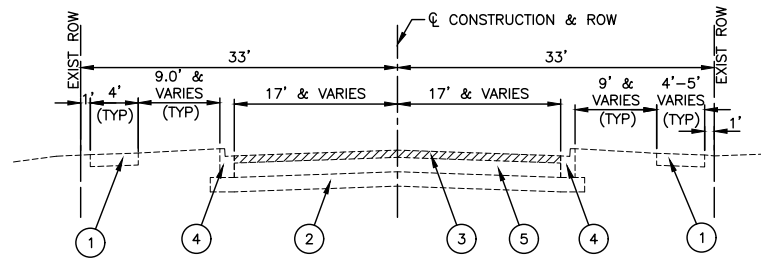
SUMMARY OF QUANTITIES					ROADWAY	SAFETY
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 0005	0021
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	500		500
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2300		2300
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1150		1150
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	50		50
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	215		215
	Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	70	70	
	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	42	42	
	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	2	2	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
	X2110104	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	SQ YD	1300	1300	
	X2520650	SODDING, SALT TOLERANT (SPECIAL)	SQ YD	1300	1300	
	X6026624	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	13	13	
	X6061815	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL)	FOOT	2950	2950	
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	165		165

* - INDICATES SPECIALTY ITEMS

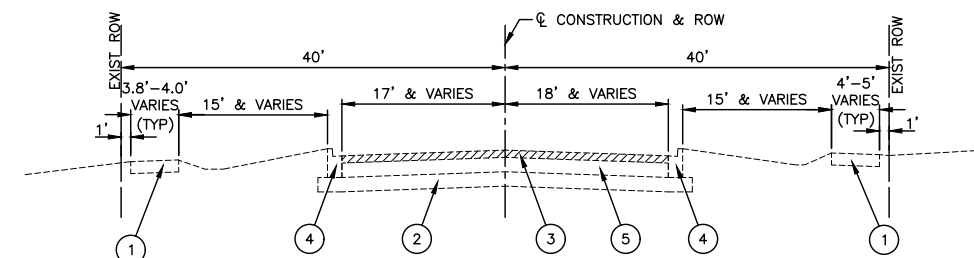
FILE NAME = 14528_02-QUAN-01 - IDOT-001	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAU 417 (CORNING AVENUE) RESURFACING SUMMARY OF QUANTITIES			FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED -		SCALE:	SHEET NO. 3	OF 15 SHEETS	STA.	TO STA.	ILLINOIS	WILL	15	3
	PLOT SCALE =	DRAWN - ACAD	REVISED -		CONTRACT NO. 61F81								
	PLOT DATE = 10-23-19	CHECKED - ACAD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----								



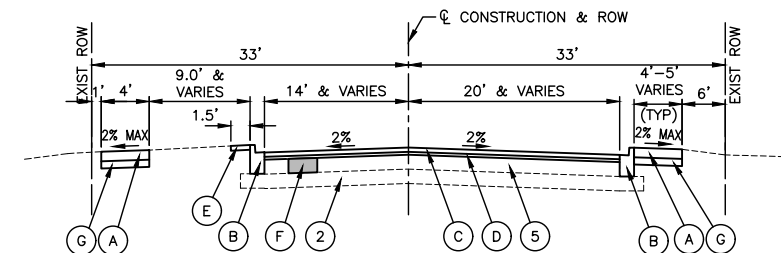
EXISTING TYPICAL SECTION
CORNING AVENUE
STA 100+20 TO STA 115+00



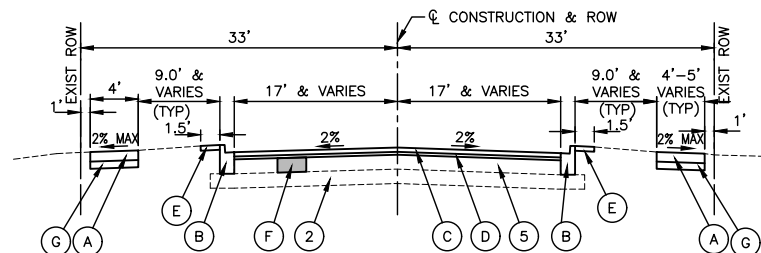
EXISTING TYPICAL SECTION
CORNING AVENUE
STA 115+00 TO STA 129+50



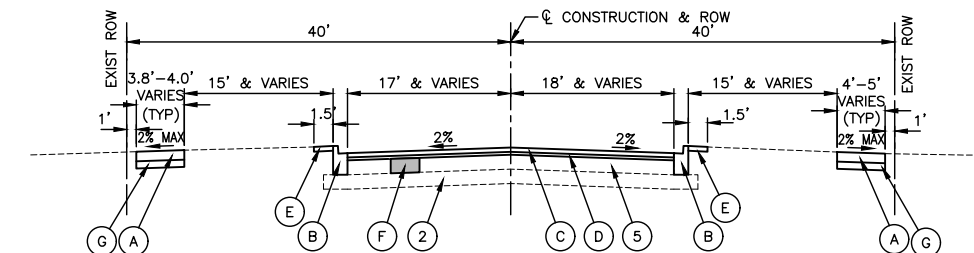
EXISTING TYPICAL SECTION
CORNING AVENUE
STA 129+50 TO STA 150+33



PROPOSED TYPICAL SECTION
CORNING AVENUE
STA 100+20 TO STA 115+00



PROPOSED TYPICAL SECTION
CORNING AVENUE
STA 115+00 TO STA 129+50



PROPOSED TYPICAL SECTION
CORNING AVENUE
STA 129+50 TO STA 150+33

* PROJECT OMISSION STARTS AT STA 133+44 & ENDS AT STA 142+30

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 1 1/2"	4% @ 50 Gyr.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.
HOT MIX DRIVEWAY PAVEMENT, 4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 1 1/2"	4% @ 50 Gyr.
HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0 MM): 4"	4% @ 70 Gyr.

NOTE:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
- FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PC 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE PG 64-22 UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

EXISTING LEGEND

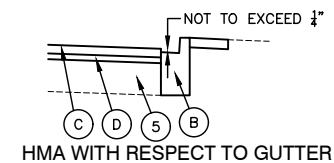
- ① EXISTING PCC SIDEWALK (SIDEWALK REMOVAL AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER) SHALL INCLUDE REMOVAL OF MATERIAL NECESSARY TO INSTALL PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- ② EXISTING AGGREGATE BASE COURSE
- ③ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ④ EXISTING COMBINATION CURB AND GUTTER REMOVAL (AS SHOWN ON THE PLANS AND AS DIRECTED BY ENGINEER)
- ⑤ EXISTING HMA PAVEMENT, VARIES 3"-6" (PER PAVEMENT CORES)

PROPOSED LEGEND

- Ⓐ PORTLAND CEMENT CONCRETE SIDEWALK, 5" (6" THRU DRIVEWAYS) (AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER)
- Ⓑ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 OR M (SPECIAL) (IN KIND - AS SHOWN ON THE PLANS AND AS DIRECTED BY ENGINEER)
- Ⓒ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1 1/2"
- Ⓓ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- Ⓔ TOPSOIL FURNISH AND PLACE, 4" (SPECIAL) AND SODDING, SALT TOLERANT (SPECIAL)
- Ⓕ CLASS D PATCHES, 4" (VARIOUS TYPES) (AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER)
- Ⓖ AGGREGATE BASE COURSE, TYPE B, 4"

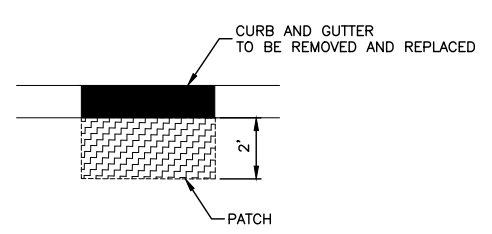
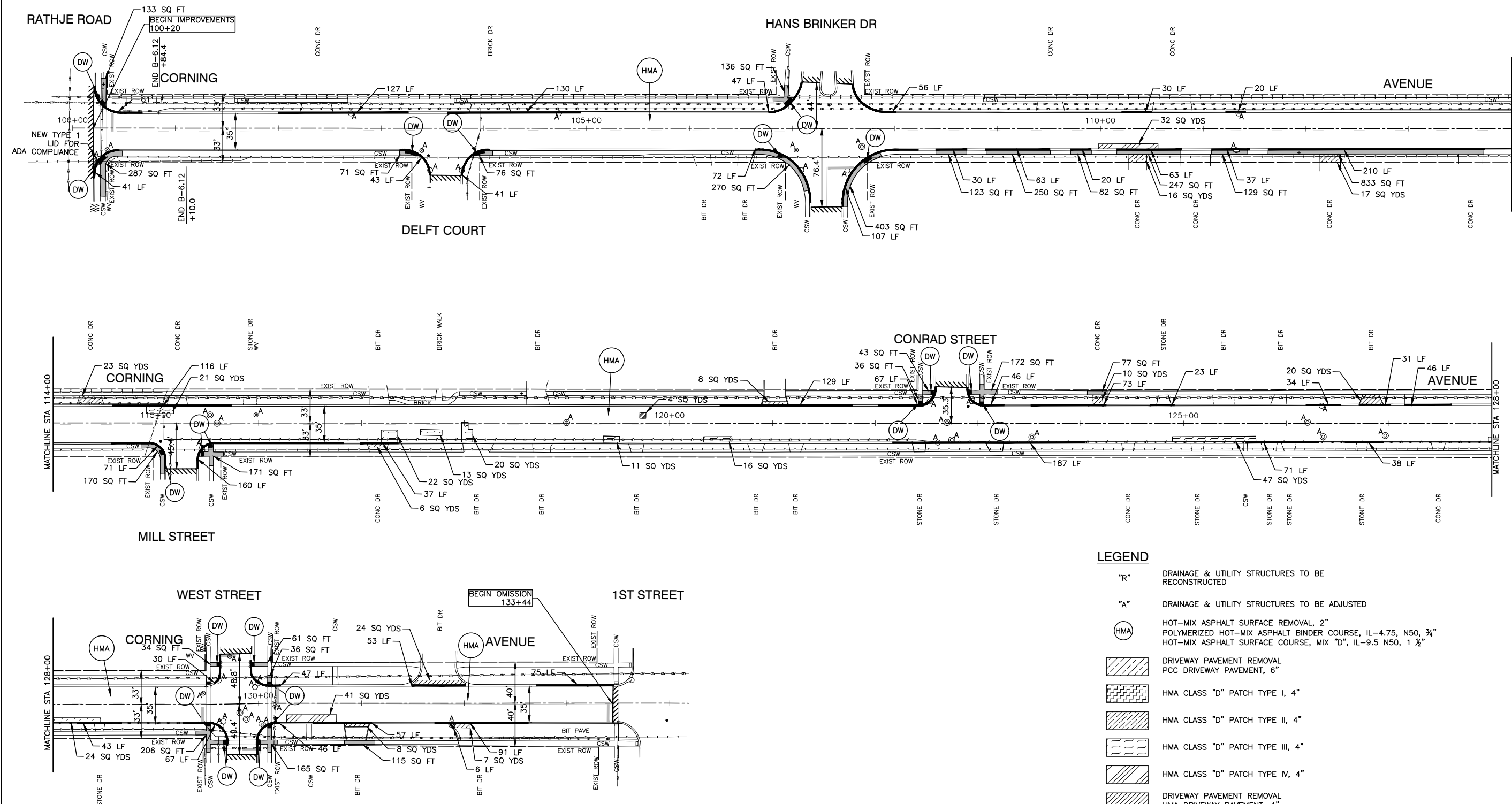
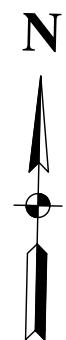
NOTE

PAVEMENT PATCHING WILL BE PERFORMED AFTER MILLING.



USER NAME =	DESIGNED -	REVISOR -
PLOT SCALE =	CHECKED -	REVISIONS -
PLOT DATE = 10-23-19	DRAWN - RG	REVISIONS -
	CHECKED - AG	REVISIONS -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	4
CONTRACT NO. 61F81				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				



CURB AND GUTTER REMOVAL DETAIL

LEGEND

- "R" DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- "A" DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- (HMA) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5 N50, 1 1/2"
- [Hatched Box] DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 6"
- [Hatched Box] HMA CLASS "D" PATCH TYPE I, 4"
- [Hatched Box] HMA CLASS "D" PATCH TYPE II, 4"
- [Hatched Box] HMA CLASS "D" PATCH TYPE III, 4"
- [Hatched Box] HMA CLASS "D" PATCH TYPE IV, 4"
- [Hatched Box] DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 4"
- [Hatched Box] SIDEWALK REMOVAL
PCC SIDEWALK, 5" (6" THRU DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B, 4"
- (DW) DETECTABLE WARNINGS
- [Hatched Box] HMA SURFACE REMOVAL BUTT JOINTS
- [Hatched Box] COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (IN KIND)

NOTES

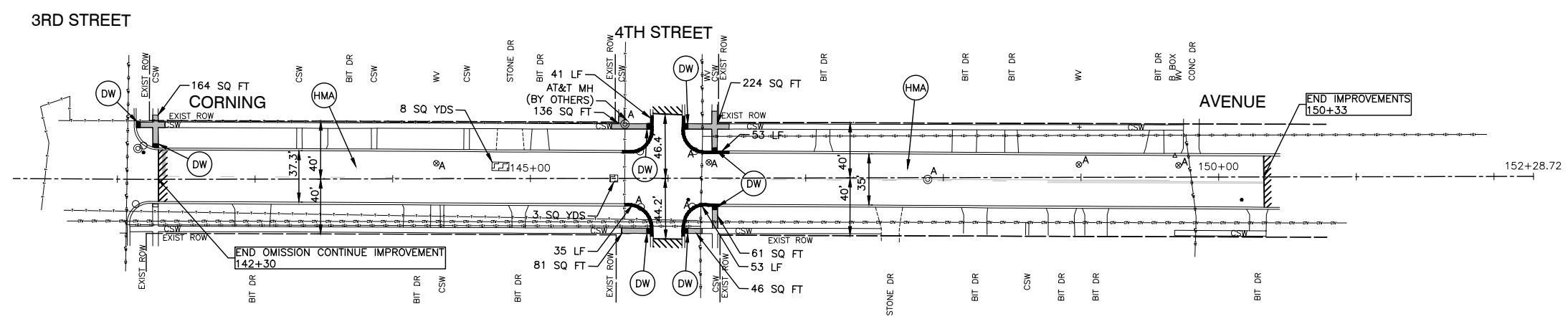
1. DRIVEWAY REMOVAL AND PATCHING SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER.
2. RUBBER ADJUSTING RINGS SHALL BE USED FOR STRUCTURES IN THE CURB AND GUTTER LINE. STEEL ADJUSTMENT RINGS SHALL BE USED FOR STRUCTURES IN DRIVING LANES OF THE PAVEMENT. STEEL AND RUBBER ADJUSTING RINGS WILL BE INCLUDED IN THE COST OF THE ADJUSTED STRUCTURE.
3. CLASS D PATCHES IN FRONT OF CURB AND GUTTER REMOVAL AND REPLACEMENT ARE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEM.

FILE NAME = 14526_02-PLAN-01 - IDOT P01	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN - ACAD	REVISED -
	PLOT DATE = 10-23-19	CHECKED - ACAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU 417 (CORNING AVENUE) RESURFACING PAVEMENT PLAN		SCALE: 1"=50'	SHEET NO. 5 OF 15 SHEETS	STA. 100+00 TO STA. 134+00
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F.A.U. RTE. 417	SECTION 17-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 5
CONTRACT NO. 61F81				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				



LEGEND

- "R" DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- "A" DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
- (HMA) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5 N50, 1 1/2"
- [Hatched Box] DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT, 6"
- [Hatched Box] HMA CLASS "D" PATCH TYPE I, 4"
- [Hatched Box] HMA CLASS "D" PATCH TYPE II, 4"
- [Hatched Box] HMA CLASS "D" PATCH TYPE III, 4"
- [Hatched Box] HMA CLASS "D" PATCH TYPE IV, 4"
- [Hatched Box] DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 4"
- [Hatched Box] SIDEWALK REMOVAL
PCC SIDEWALK, 5" (6" THRU DRIVEWAYS)
AGGREGATE BASE COURSE, TYPE B, 4"
- (DW) DETECTABLE WARNINGS
- [Wavy Line] HMA SURFACE REMOVAL BUTT JOINTS
- [Solid Line] COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT (IN KIND)

NOTES

1. DRIVEWAY REMOVAL AND PATCHING SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER.
2. RUBBER ADJUSTING RINGS SHALL BE USED FOR STRUCTURES IN THE CURB AND GUTTER LINE. STEEL ADJUSTMENT RINGS SHALL BE USED FOR STRUCTURES IN DRIVING LANES OF THE PAVEMENT. STEEL AND RUBBER ADJUSTING RINGS WILL BE INCLUDED IN THE COST OF THE ADJUSTED STRUCTURE.
3. CLASS D PATCHES IN FRONT OF CURB AND GUTTER REMOVAL AND REPLACEMENT ARE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEM.

FILE NAME = 14526_02-PLAN-01 - IDOT P01 (2)

USER NAME =	DESIGNED ---	REVISED ---
	CHECKED ---	REVISED ---
PLOT SCALE =	DRAWN --- ACAD	REVISED ---
PLOT DATE = 10-23-19	CHECKED --- ACAD	REVISED ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAU 417 (CORNING AVENUE) RESURFACING PAVEMENT PLAN	
SCALE: 1"=50'	SHEET NO. 6 OF 15 SHEETS
STA. 142+00	TO STA. 152+28.72

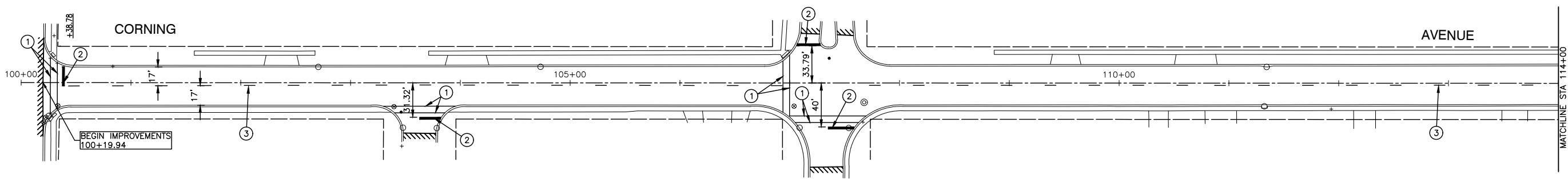
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	6
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT ----	
			CONTRACT NO. 61F81	



RATHJE ROAD

HANS BRINKER DR

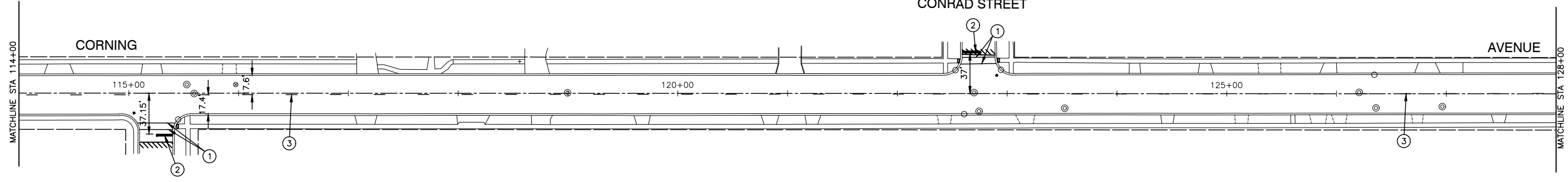
AVENUE



DELFT COURT

CONRAD STREET

AVENUE

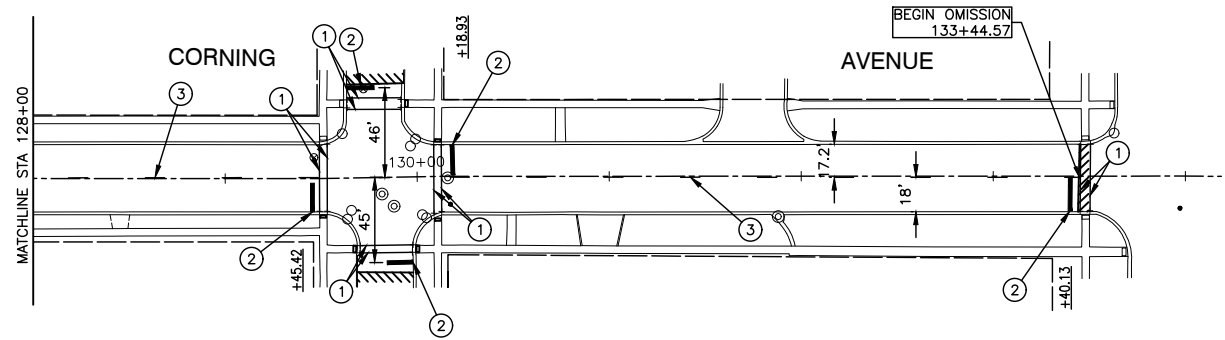


MILL STREET

WEST STREET

1ST STREET

BEGIN OMISSION
133+44.57



PAVEMENT MARKING LEGEND

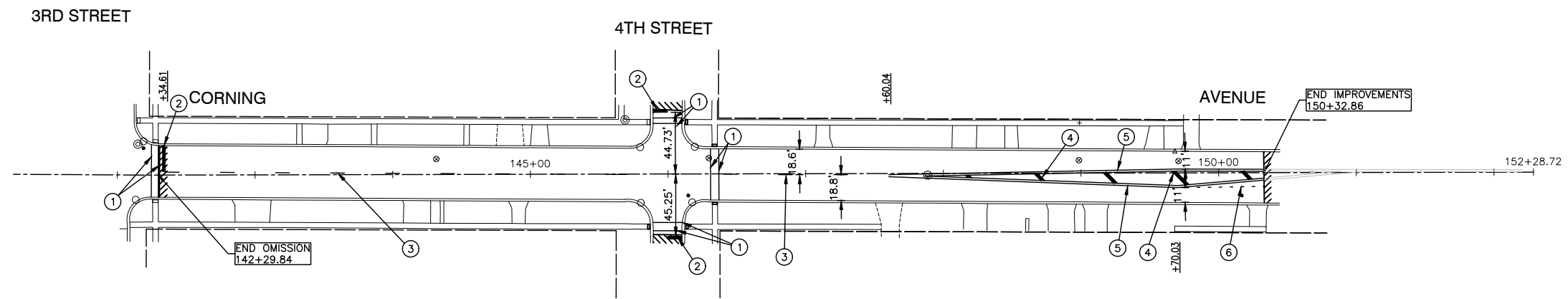
- ① THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" (CROSSWALK 6' C/C)
- ② THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 24" (STOP BAR)
- ③ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 4" (SKIP-DASH LINE 10' LINE-30' SPACE)
- ④ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 12" (DIAGONAL)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, DOUBLE LINE (11" C/C)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 4" (2' LINE-6' SPACE)

FILE NAME = 14526_02-PLAN-02 - IDOT P01	USER NAME =	DESIGNED -	REVISD -
		CHECKED -	REVISD -
	PLOT SCALE =	DRAWN - MED	REVISD -
	PLOT DATE = 10-23-19	CHECKED - APG	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU 417 (CORNING AVENUE) RESURFACING PAVEMENT MARKING PLAN			
SCALE:	SHEET NO. 7	OF 15 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	7
CONTRACT NO. 61F81				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 6" (CROSSWALK 6' C/C)
- ② THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 24" (STOP BAR)
- ③ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 4" (SKIP-DASH LINE 10' LINE-30' SPACE)
- ④ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, 12" (DIAGONAL)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - YELLOW LINE, DOUBLE LINE (11" C/C)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - WHITE LINE, 4" (2' LINE-6' SPACE)

FILE NAME = 14526_02-PLAN-02 - IDOT P01 (2)

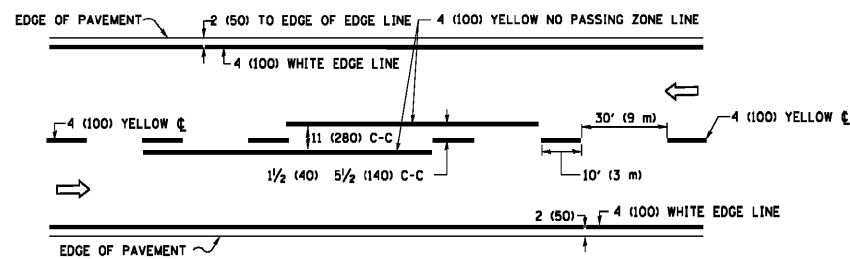
USER NAME =	DESIGNED -	REVISD -
	CHECKED -	REVISD -
PLOT SCALE =	DRAWN - ACAD	REVISD -
PLOT DATE = 10-23-19	CHECKED - ACAD	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

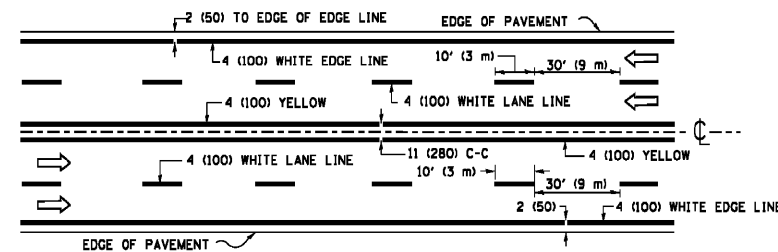
FAU 417 (CORNING AVENUE)
RESURFACING
PAVEMENT MARKING PLAN

SCALE: SHEET NO. 8 OF 15 SHEETS STA. TO STA.

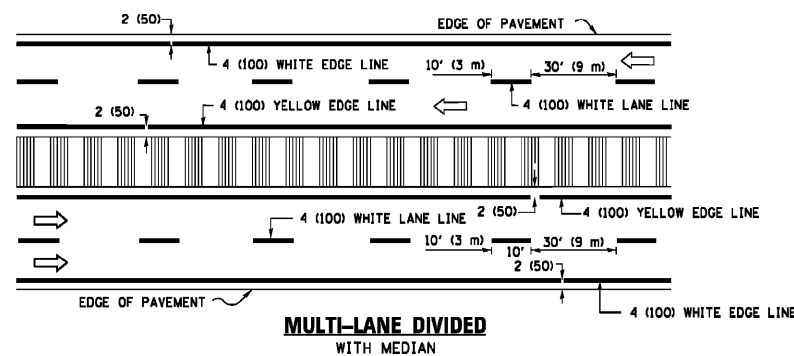
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	8
CONTRACT NO. 61F81				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				



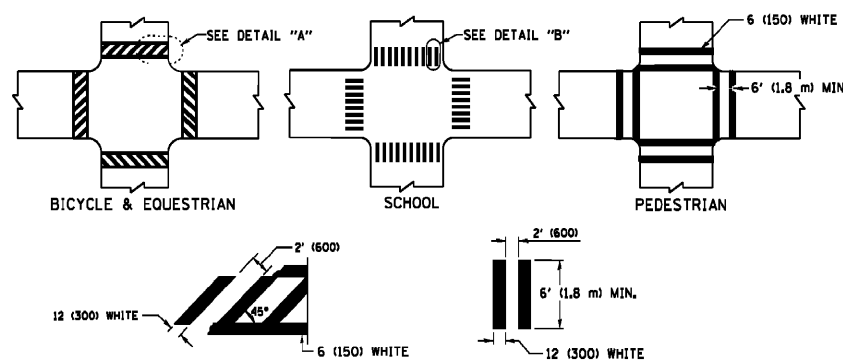
2-LANE ROADWAY



MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

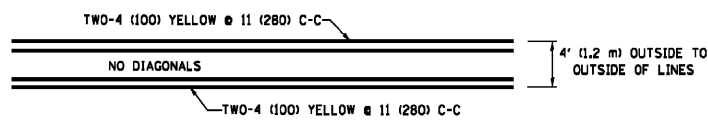


DETAIL "A"

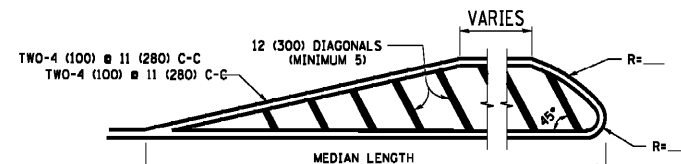
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



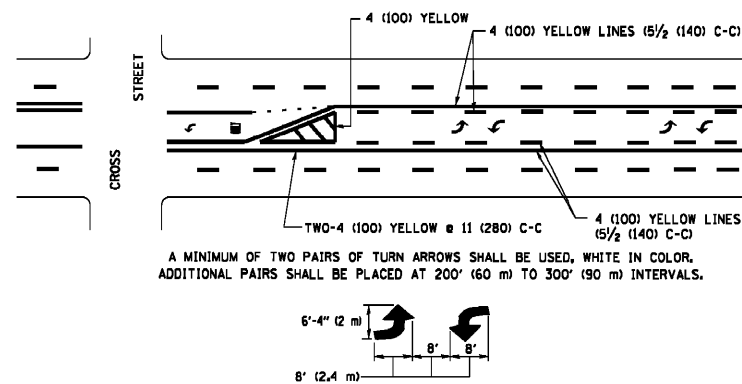
4' (1.2 m) WIDE MEDIANS ONLY



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' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

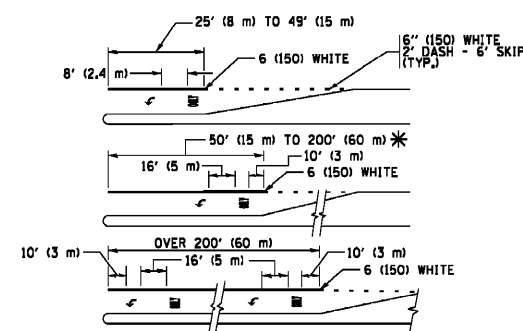
MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

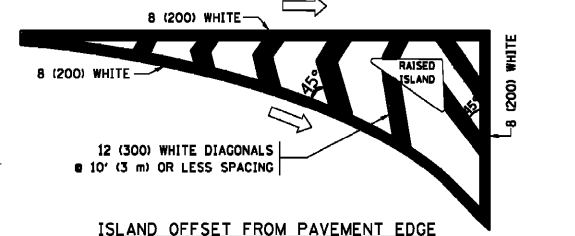
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



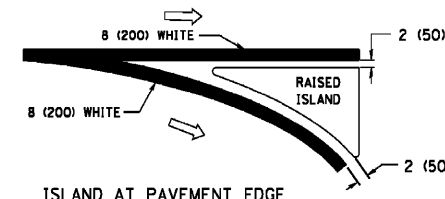
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* 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".

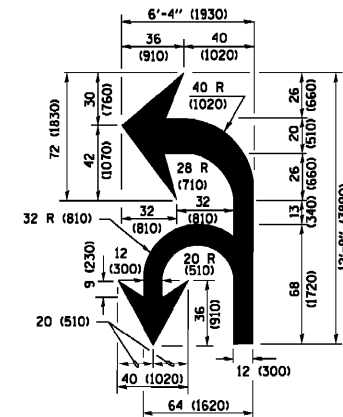


ISLAND OFFSET FROM PAVEMENT EDGE

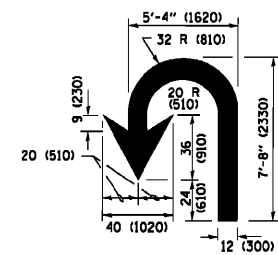


ISLAND AT PAVEMENT EDGE

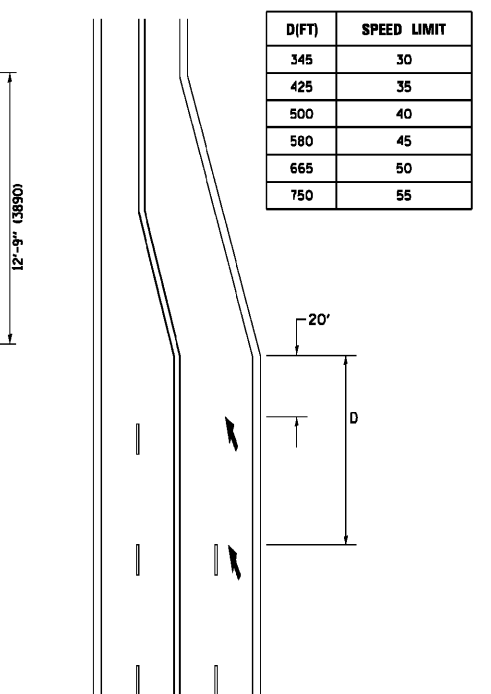
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 FOR BOTH DIRECTIONS	4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
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 MEDIANS IN YELLOW
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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE 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 78000! AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=84.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

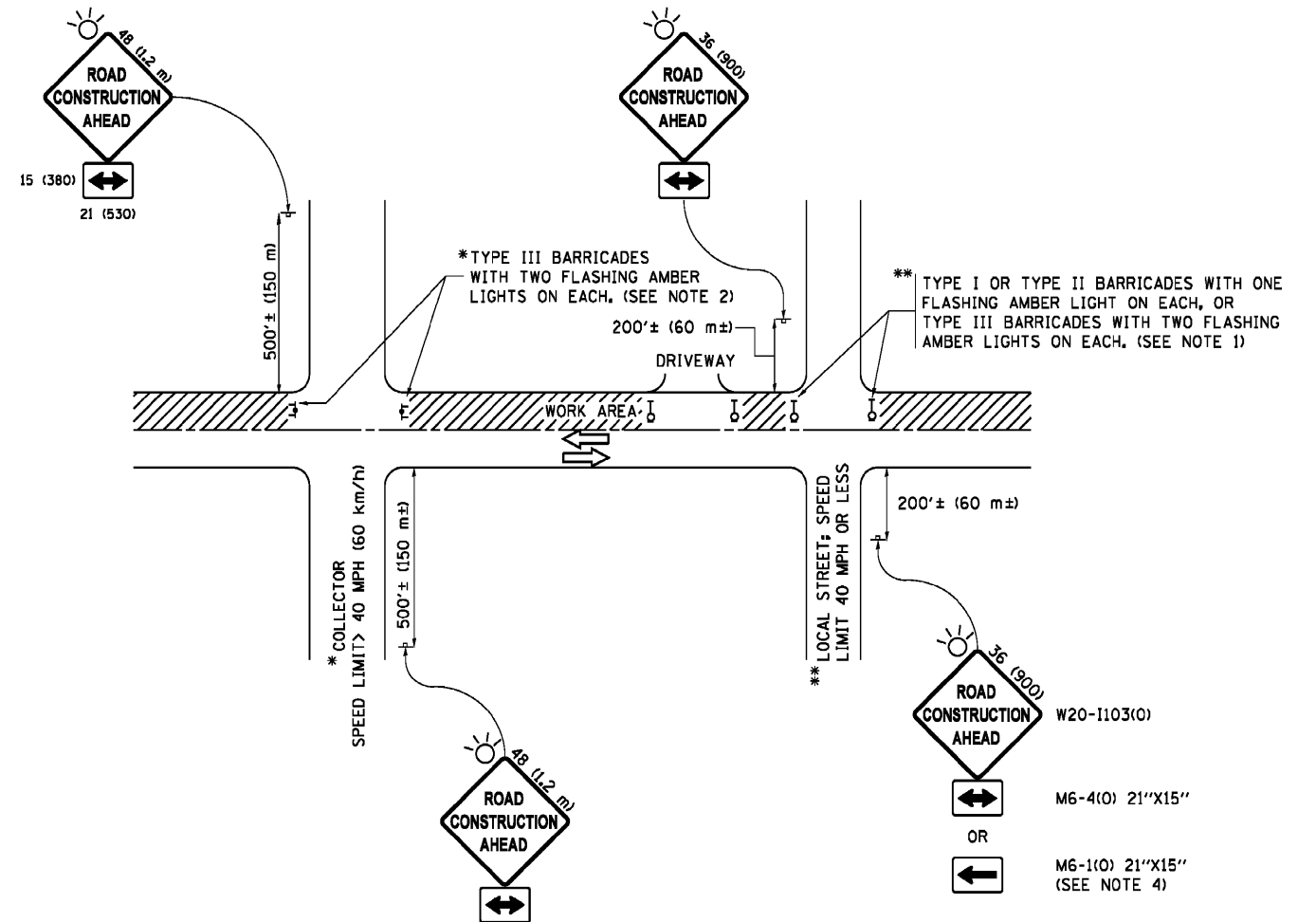
FILE NAME = 14526_02-DTLS-01 - TC-13

USER NAME =	DESIGNED ---	REVISED --- C. JUCIUS 09-09-09
PLOT SCALE =	CHECKED ---	REVISED --- C. JUCIUS 07-01-13
PLOT DATE = 10-23-19	DRAWN --- MED	REVISED --- C. JUCIUS 12-21-15
	CHECKED --- AG	REVISED --- C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE:	SHEET NO. 9 OF 15 SHEETS	STA. TO STA.	F.A.U. RTE. 417	SECTION 17-00048-00-RS	COUNTY WILL	TOTAL SHEETS 15	SHEET NO. 9
			TC-13		CONTRACT NO. 61F81		
			FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



NOTES:

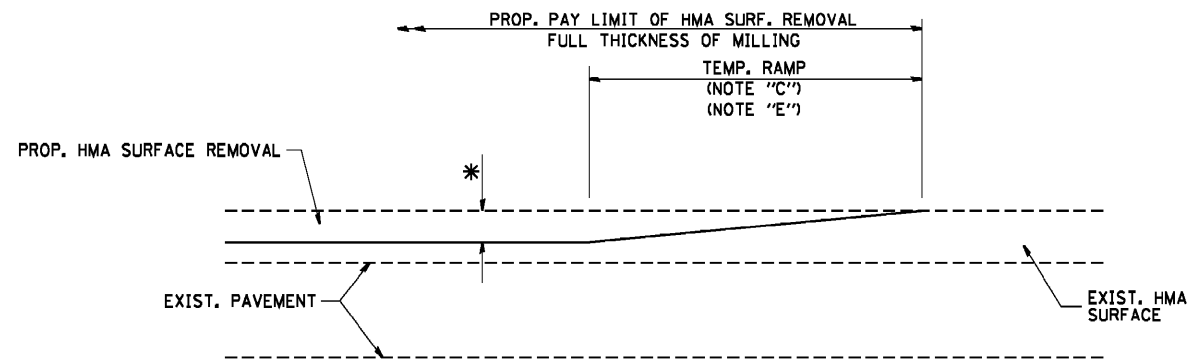
1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = 14526_02-DTLS-01 - TC-10	USER NAME =	DESIGNED — — —	REVISED — A. HOUSEH 10-15-96
		CHECKED — — —	REVISED — T. RAMMACHER 01-06-00
	PLOT SCALE =	DRAWN — MED	REVISED — A. SCHUETZE 07-01-13
	PLOT DATE = 10-23-19	CHECKED — AG	REVISED — A. SCHUETZE 09-15-16

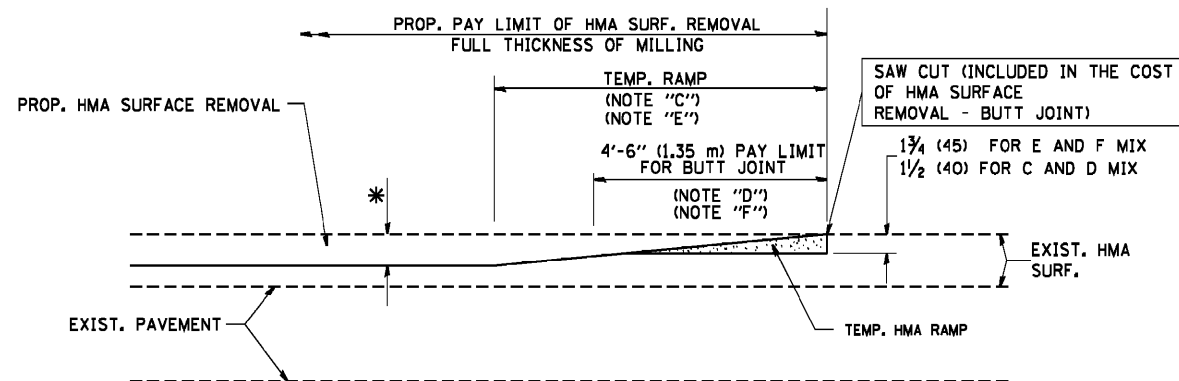
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		417	17-00048-00-RS	WILL	15	10
SCALE:		SHEET NO. 10 OF 15 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT — — —	



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

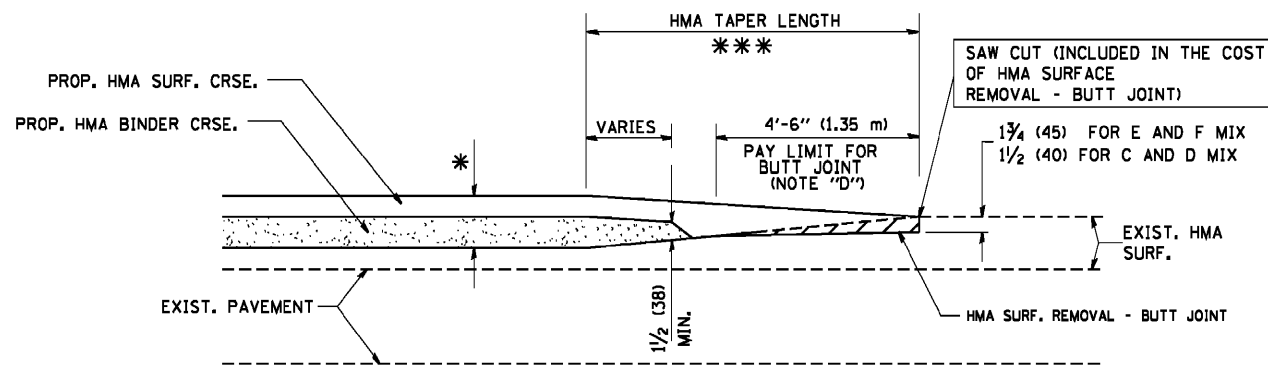
OPTION 1



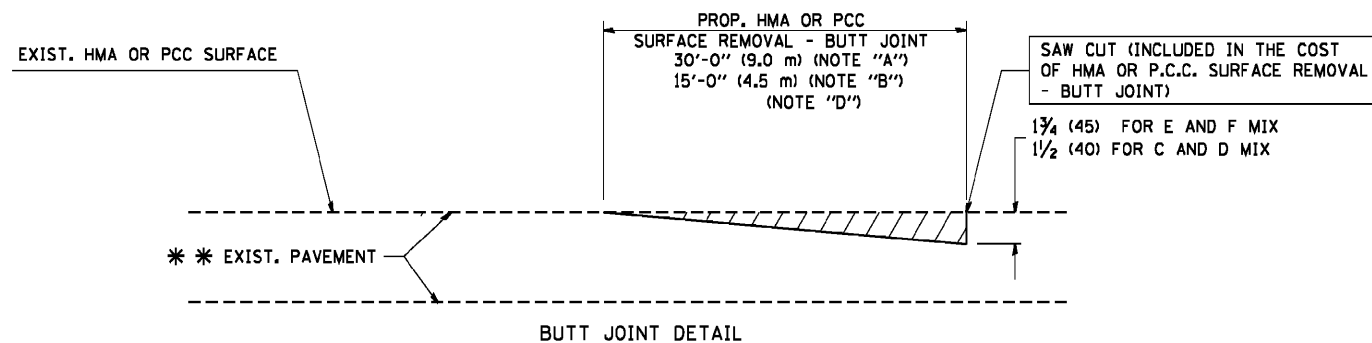
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

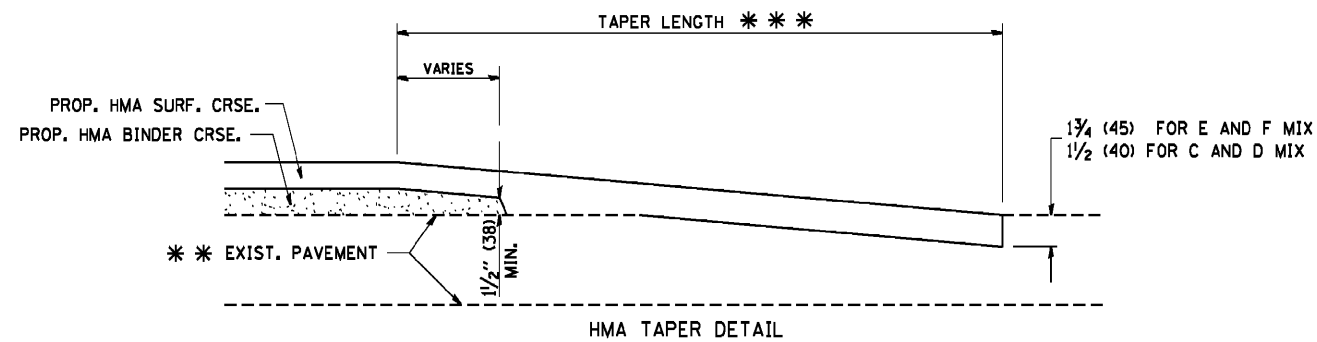
TYPICAL TEMPORARY RAMP



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

- A₁ MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B₁ 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 = 14526_02-DTLS-01 - BD-32

USER NAME =	DESIGNED ---	REVISED --- R. SHAH 10-25-94
	CHECKED ---	REVISED --- A. ABBAS 03-21-97
PLOT SCALE =	DRAWN --- MED	REVISED --- M. GOMEZ 04-06-01
PLOT DATE = 10-23-19	CHECKED --- AG	REVISED --- R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: SHEET NO. 11 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	11
BD400-05 BD32		CONTRACT NO. 61F81		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT ----		

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

T/2 *

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

3" (75) MIN.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SEEDING, SALT TOLERANT AND TOPSOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SEEDING IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER AND COMBINATION CONCRETE CURB AND GUTTER REMOVAL".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

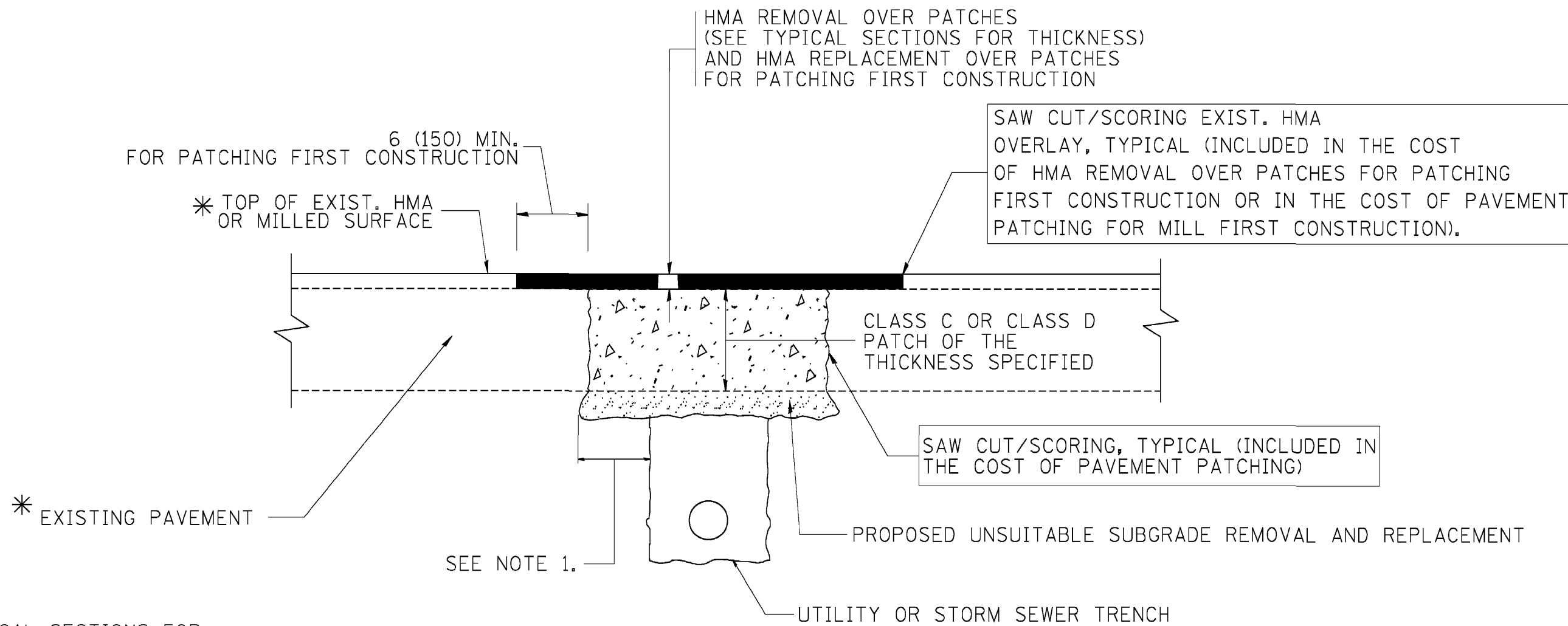
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = 14526_02-DTLS-01 - BD-24	USER NAME =	DESIGNED -	REVISED - R. SHAH 10-03-96
		CHECKED -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE =	DRAWN - MED	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 10-23-19	CHECKED - AG	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE:	SHEET NO. 12 OF 15 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	12
BD600-06 (BD-24)		CONTRACT NO. 61F81		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	----	



* 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)

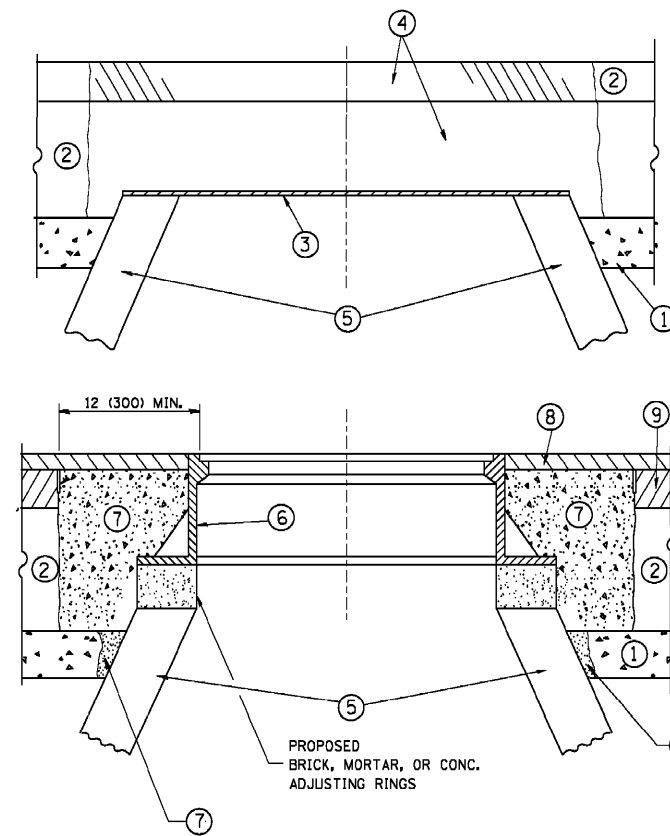
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = 14526_02-DTLS-01 - BD-22	USER NAME =	DESIGNED --	REVISOR --	A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED --	REVISOR --	R. BORO 01-01-07		417	17-00048-00-RS	WILL	15	13		
		PLOT SCALE =	REVISOR --	R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 61F81				
		PLOT DATE = 10-23-19	CHECKED -- AG	REVISOR -- K. ENG 10-27-08		SCALE:	SHEET NO. 13 OF 15 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----		



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

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

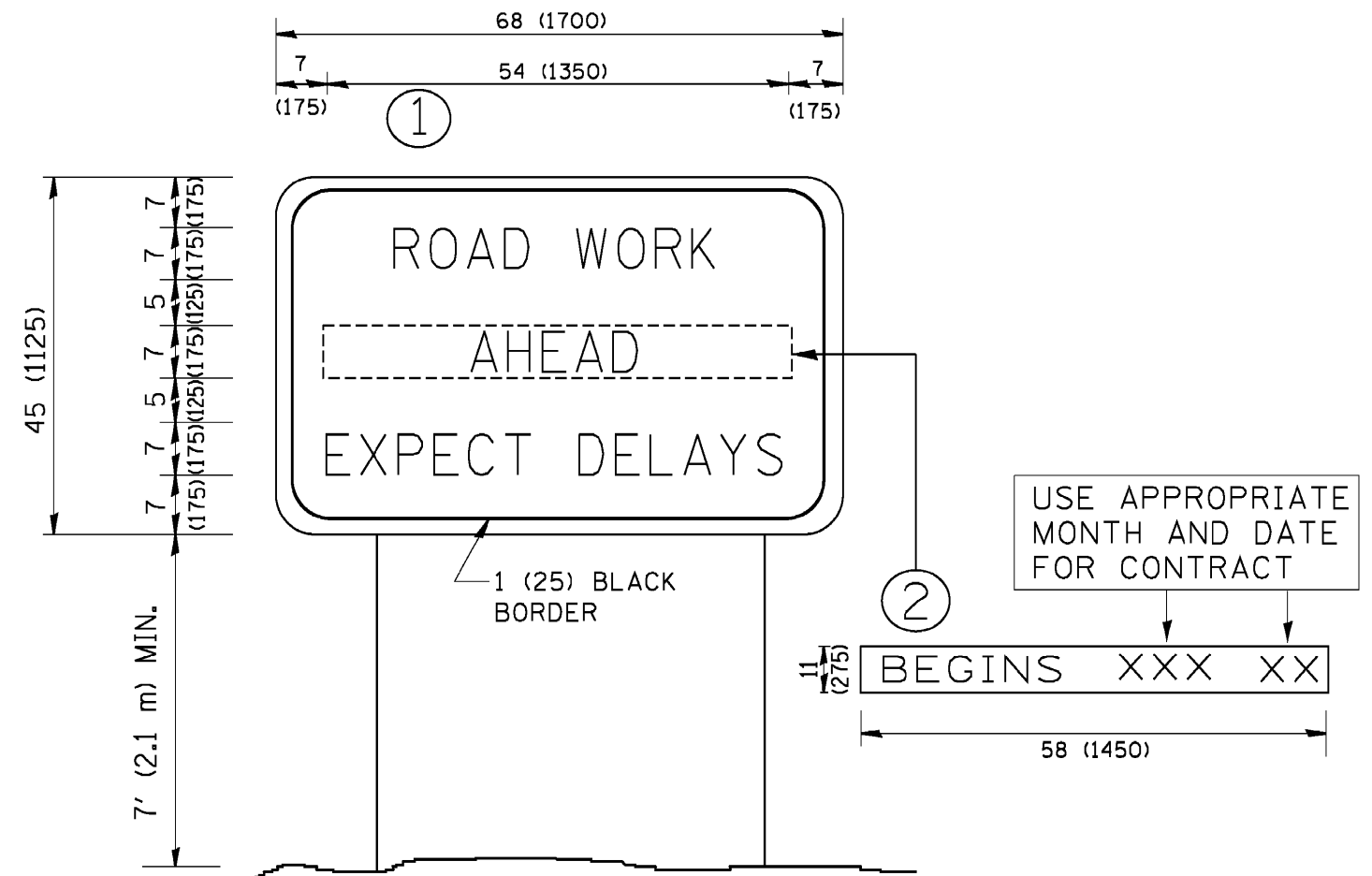
FILE NAME = 14526_02-DTLS-01 - BD-08	USER NAME =	DESIGNED ---	REVISED --- R. WIEDEMAN 05-14-04
		CHECKED ---	REVISED --- R. BORO 01-01-07
	PLOT SCALE =	DRAWN --- MED	REVISED --- R. BORO 03-09-11
	PLOT DATE = 10-23-19	CHECKED --- AG	REVISED --- R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: SHEET NO. 14 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	14
BD600-03 (BD-8)			CONTRACT NO. 61F81	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ---				



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 = 14526_02-DTLS-01 - TC-22	USER NAME =	DESIGNED - ----	REVISED - R. MIRS 09-15-97
		CHECKED - ----	REVISED - R. MIRS 12-11-97
	PLOT SCALE =	DRAWN - MED	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 10-23-19	CHECKED - AG	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	17-00048-00-RS	WILL	15	15
TC-22		CONTRACT NO. 61F81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ----				