* 1) 2688 2) 1600



D-91-152-16

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

1) FAU ROUTE 2688 - IL 7 (WOLF RD)

S. OF 143rd ST TO N. OF 151st ST 2) FAU ROUTE 1600 - IL 7 (143rd ST) W. OF WEST AVE (SINKHOLE)

> SECTION: 3349-T PROJECT: ACSTP-000V(067) DRAINAGE IMPROVEMENT **COOK COUNTY**

> > C-91-152-16

PROPOSED HIGHWAY PLANS

TRAFFIC DATA IL 7 IL 7 (WOLF RD)

ADT 2015 = 14700 SPEED LIMIT = 45-50 MPH

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF ORLAND PARK

IL 7 (143rd ST)

0

0

0

0

ADT 2015 SPEED LIMIT = 30 MPH

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER J. ALAIN MIDY PROJECT MANAGER

(847) 221-3056 ISSAM RAYYAN (847) 705-4178

IMPROVEMENT BEGINS SINKHOLE (LOC 2) AT STA 29+00 (LOC 1) R 12 E IMPROVEMENT ENDS ST. AT STA 37+00.00 (LOC 1) 143RD 151th Z 36 159th TINLEY PARK

> ORLAND PARK TOWNSHIP GROSS LENGTH = 800 FT. = 0.152 MILE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 62B82

INDEX OF SHEETS

STATE STANDARDS

SHEET NO.	DESCRIPTION	STANDARD NO	DESCRIPTION
1	TITLE SHEET	280001-07	TEMPORARY EROSION CONTROL SYSTEMS
2	INDEX OF SHEETS, STATE STANDARDS	442201-03	CLASS C AND D PATCHES
	AND GENERAL NOTES	542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
3-4	SUMMARY OF QUANTITIES	604091-03	FRAME AND GRATE TYPE 24
4A	ALIGNMENT TIES AND BENCHMARKS	606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE
5	TYPICAL CROSS SECTIONS		CURB AND GUTTER
6	PROPOSED DRAINAGE PLAN		
7	DRAINAGE PROFILE	701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
8	REMOVAL AND PROPOSED PLAN	701006-05	OFF ROAD OPERATIONS . 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
9	CONCRETE COLLAR DETAILS	701201-04	LANE CLOSURE 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
10	MAINTENANCE OF TRAFFIC	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
11-13	CROSS SECTIONS	701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
14	PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT (BD-22) -	701501-06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
15	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)	701502-06	URBAN LANE CLOSURE 2L, 2W, WITH BY-DIRECTIONAL LEFT TURN LANE
16	RAISED REFLECTIVE PAVEMENT MARKERS	701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
	(SNOW-PLOW RESISTANT (TC-11)	701901-05	TRAFFIC CONTROL DEVICES
17	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	704001-08	TEMPORARY BARRIER
18	ARTERIAL ROAD INFORMATION SIGNING (TC-22)	782006	GUARDRAIL AND BARRIER WALL REFLECTOR
19	DRIVEWAY ENTRANCE SIGNING (TC-26)		MOUNTING DETAILS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ORLAND PARK,

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND REVISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTINGIN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.

FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY. BACKFILLING METHODS TWO AND THREE AUTORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOVED.

THE RESIDENT ENGINEER SHALL CONTACT DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4172 FOR ANY SURPLUS SOIL MATERIALS TO BE HAULED OUT OF THE JOB SITE.

THE RESIDENT ENGINEER SHALL CONTACT THE SOUTH COOK ARTERIAL TRAFFIC FIELD ENGINEER AT (773) 685-8386 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENCE.

THE REMOVAL OF EXISTING DRAINAGE ITEMS LOCATED FURTHER THAN 2 FEET OUTSIDE THE EDGE OF PROPOSED PAVEMENT OR BACK OF CURB SHALL BE BACKFILLED WITH NATIVE MATERIALS AND THE COST OF THE BACKFILLING WITH NATIVE MATERIALS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEM TO BE REMOVED. BACKFILL UNDER AND WITHIN 2 FEET OF THE PROPOSED PAVEMENT EDGES AND BACKS OF CURB SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS.

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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND IMPLEMENTING ALL TRENCH SHORING FOR THE INSTALLATION OF STORM SEWERS AND DRAINAGE STRUCTURES.

THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING CONSTRUCTION.

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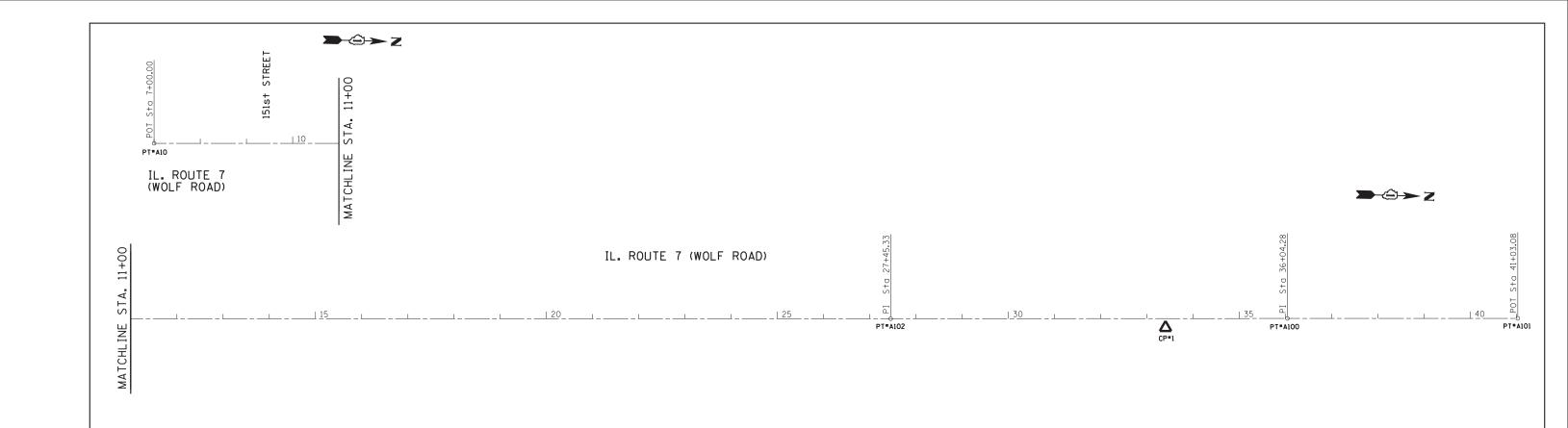
STATE	OF	ILLINOIS
DEPARTMENT (OF '	TRANSPORTATION

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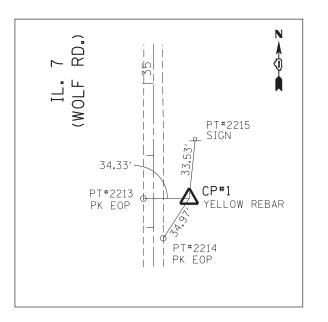
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11.7	PT# A102	N 1804486.6866	E 1104909.0063	STA. 27+45.33
(WOLF RD.)	PT# A100	N 1805345.2916	E 1104884.3859	STA. 36+04.28
	PT# A101	N 1805843.8888	E 1104870.2224	STA. 41+03.08

BENCHMARK

YELLOW SPIKE W/ NAIL IN POWER POLE WEST SIDE OF WOLF RD. 50' SOUTH OF DITCH



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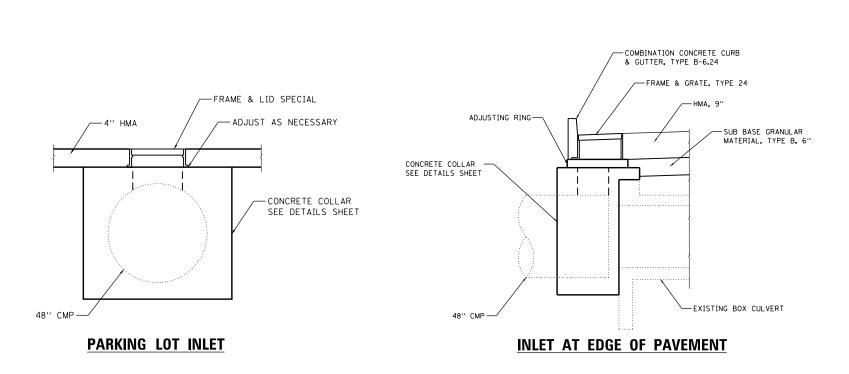
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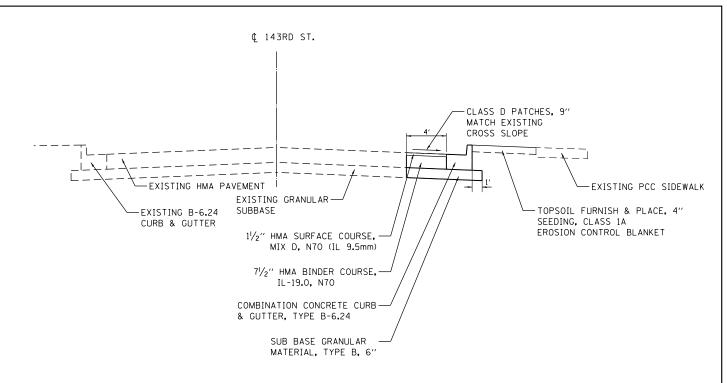
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PROPOSED TYPICAL SECTION

WOLF RD





PROPOSED TYPICAL SECTION 143rd ST

HMA MIXTURE REQUIREMENTS CHART

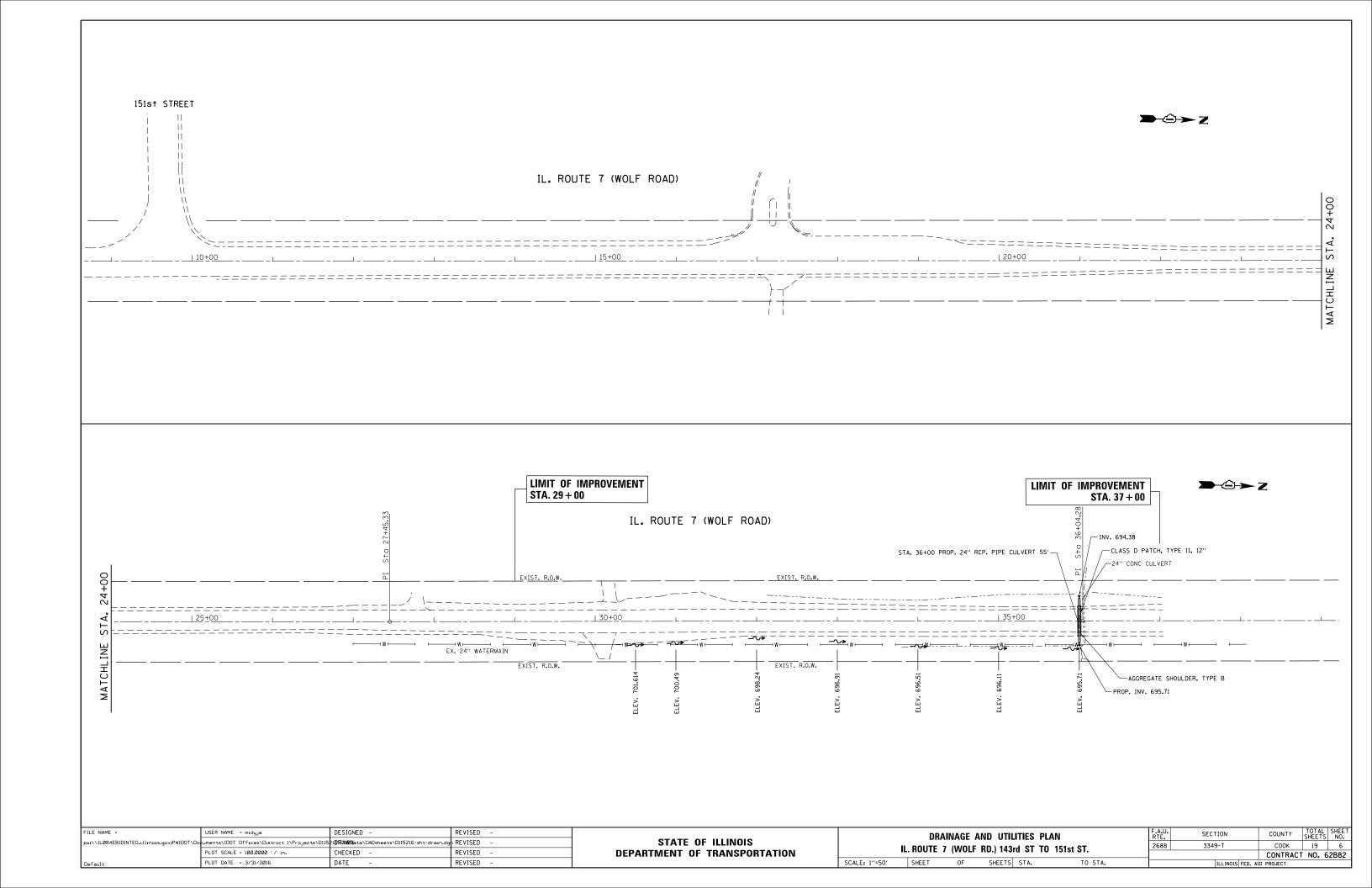
OPERATION	MIXTURE TYPE	AIR VOIDS (%) © Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
CLASS D PATCHES, TYPE II, 4" (PARKING LOT)	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), $1\frac{1}{2}$ " HMA BINDER COURSE, IL-19.0 mm, N70, $2\frac{1}{2}$ "	4% ⊚ 70 GYR. 4% ⊚ 70 GYR.	QC/QA QC/QA
CLASS D PATCHES, TYPE II, 9" (143RD STREET)	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), $1\frac{1}{2}$ " HMA BINDER COURSE, IL-19.0 mm, N70, $7\frac{1}{2}$ "	4% @ 70 GYR. 4% @ 70 GYR.	QC/QA QC/QA
CLASS D PATCHES, TYPE II, 12" (WOLF STREET)	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), $1\frac{1}{2}$ " HMA BINDER COURSE, IL-19.0 mm, N70, 10 1/2"	4% @ 70 GYR. 4% @ 70 GYR.	QC/QA QC/QA

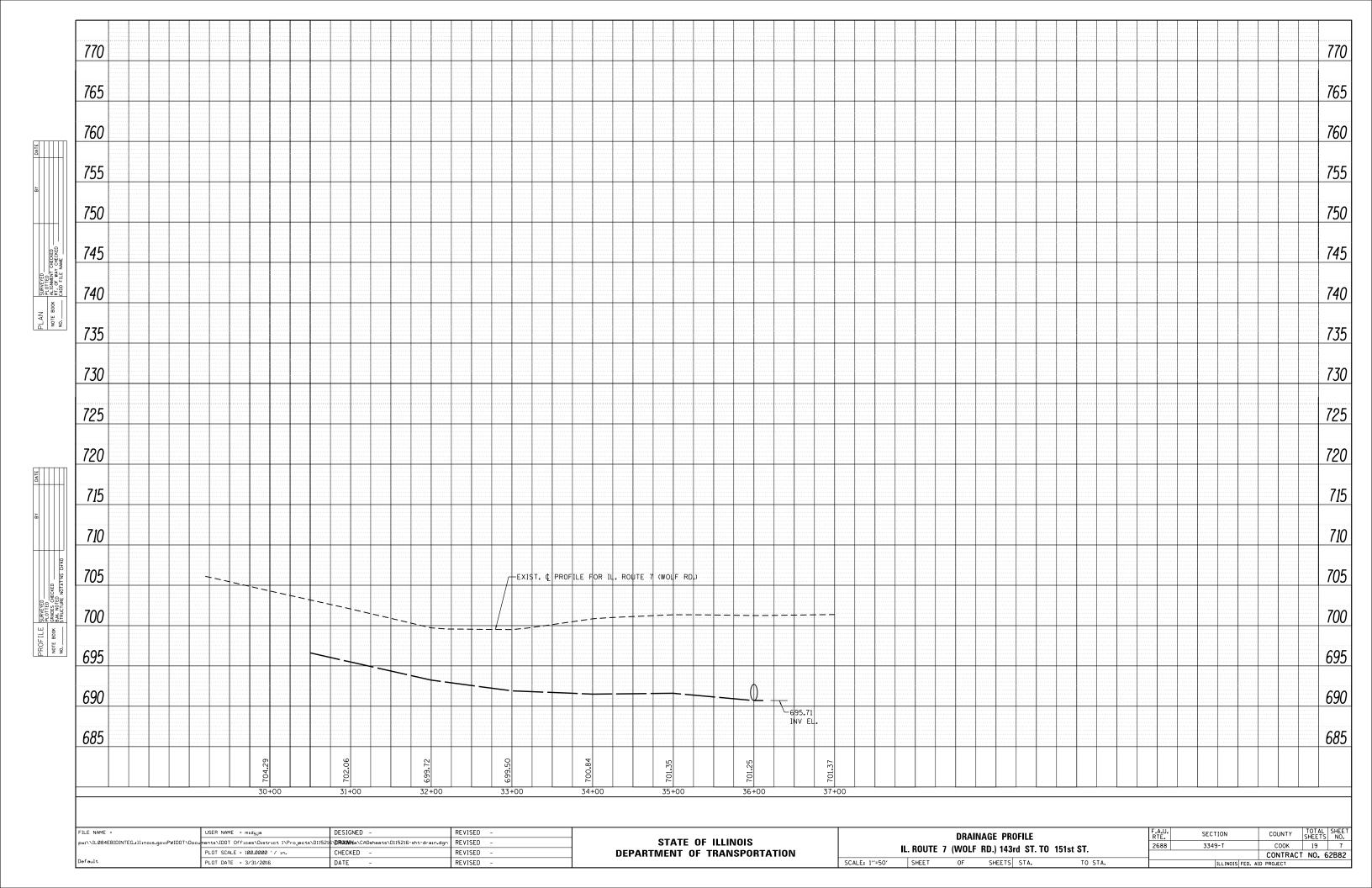
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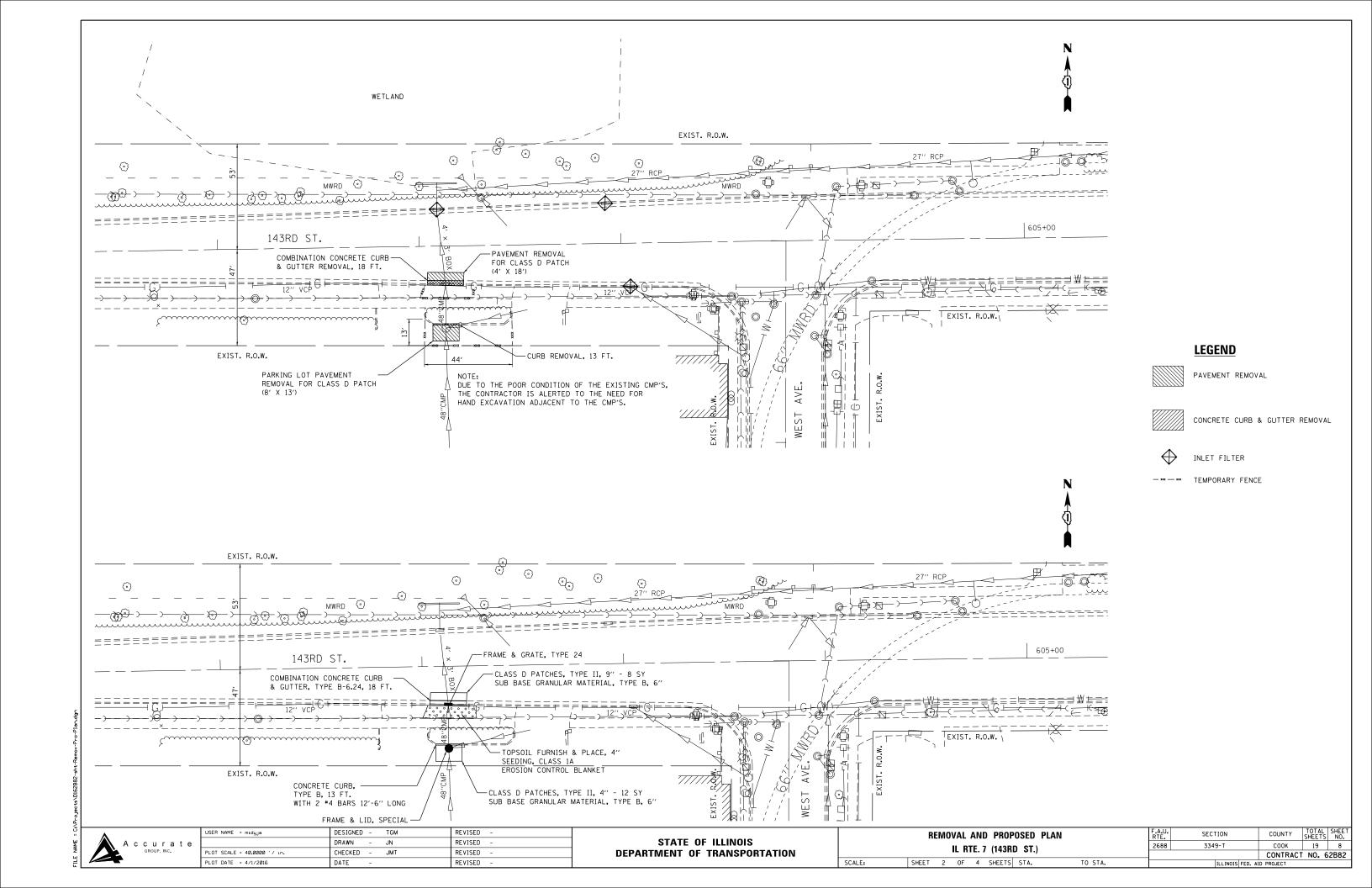
- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
- 2. FOR NON-POLYMERIZED HMA MIXTURES THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- 3. FOR USE OF RECYCLED MATERIALS, SEE DISTRICT ONE SPECIAL PROVISIONS.
- 4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

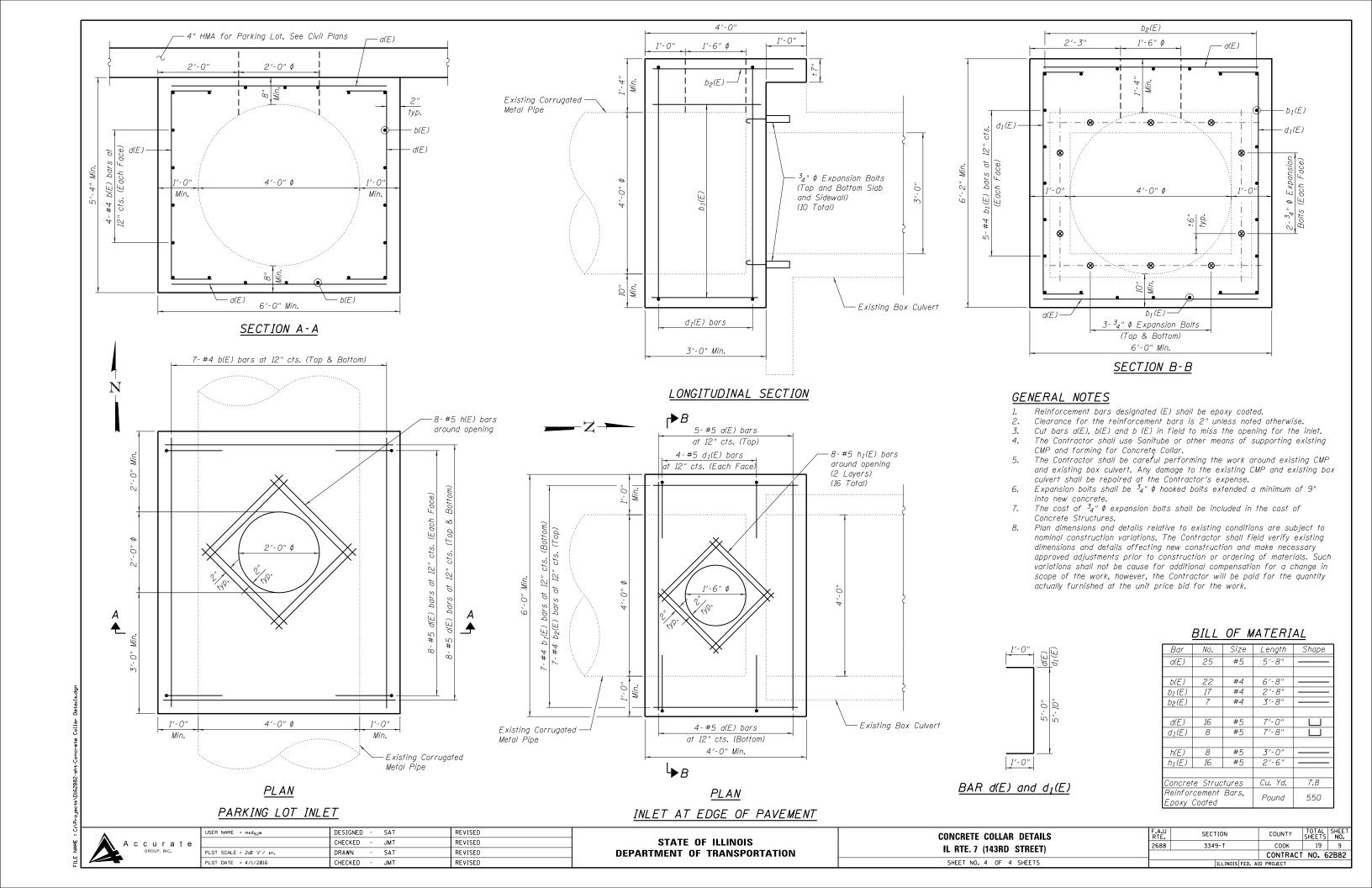
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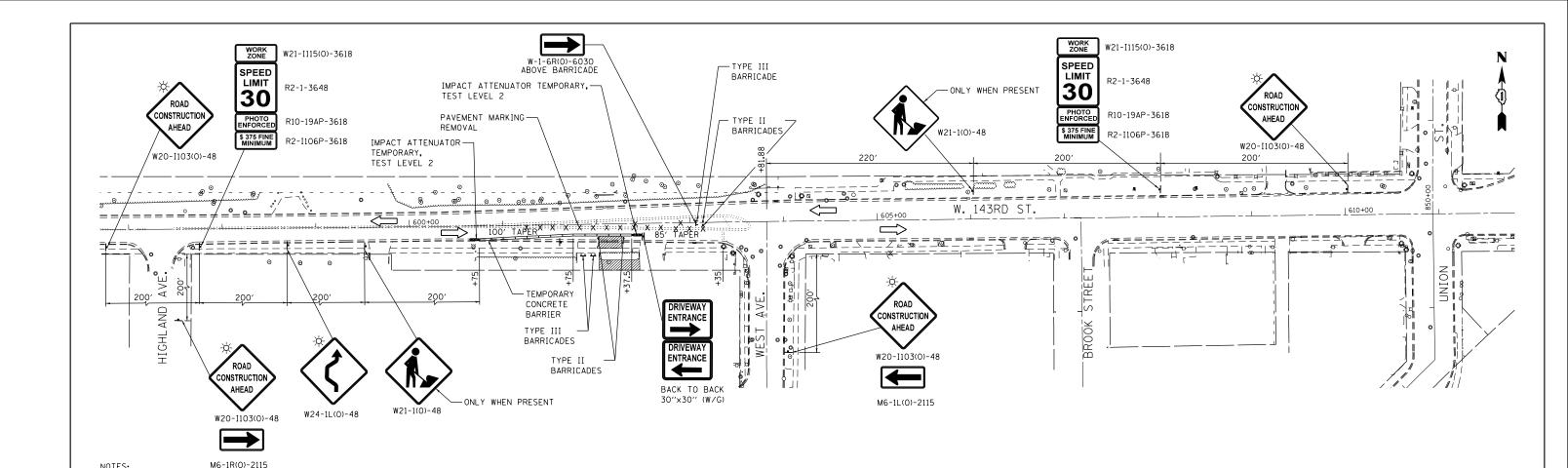
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- THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR THE MAINTENANCE OF TRAFFIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING THE WORK.
- WORK ZONE SPEED LIMIT SHALL BE 30 MPH (SAME AS THE POSTED SPEED LIMIT) ON 143RD STREET.
- ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED MAINTENANCE OF TRAFFIC PLAN.
- TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- ALL ROAD CONSTRUCTION AHEAD SIGNS, AND TYPE III BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS. ALL TYPE II BARRICADES SHALL BE EQUIPPED WITH BI-DIRECTIONAL FLASHING LIGHTS.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE MAINTENANCE OF TRAFFIC SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTING ANY CHANGES.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" X 6" DELINEATOR INSTALLED. THE COST OF THE DELINEATOR IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701502.
- 12. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

- 13. PROVIDE MINIMUM 12 FOOT LANES THRU THE WORK ZONE. USE PAVEMENT MARKING TAPE, TYPE III, 4" TO DELINEATE EACH EDGE OF THE EASTBOUND LANE THRU THE WORK ZONE. USE A 4" DOUBLE YELLOW LINE SPACED 11" CENTER TO CENTER ALONG THE EASTBOUND LEFT EDGE AND A 4" WHITE LINE ALONG THE EASTBOUND RIGHT EDGE.
- 14. TEMPORARY CONCRETE BARRIERS AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS SHOWN IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST OF THE BARRIER WALL MARKERS ARE INCLUDED IN THE UNIT COST OF TEMPORARY CONCRETE BARRIER.
- TEMPORARY CONCRETE BARRIER WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WHERE A 3.5 FOOT CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL. ANY HOLES LEFT IN THE EXISTING PAVEMENT AREAS THAT ARE NOT TO BE RESURFACED SHALL BE FILLED WITH A NON-SHRINK GROUT TO THE SURFACE OF THE EXISTING PAVEMENT. THE FILLING OF ANY HOLES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
- IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED OR OTHERWISE AFFECTED BY CONSTRUCTION.

SCALE:

	LEGEND
Φ	TYPE II BARRICADE WITH 1 TYPE A FLASHER
1	TYPE III BARRICADE WITH 2 TYPE A FLASHERS
 -	SIGN ON PERMANENT OR PORTABLE SUPPORT
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2
: X :::: X :::: X :	PAVEMENT MARKING REMOVAL
\leftarrow	DIRECTION OF TRAFFIC
	WORK ZONE

COUNTY

CONTRACT NO. 62B82

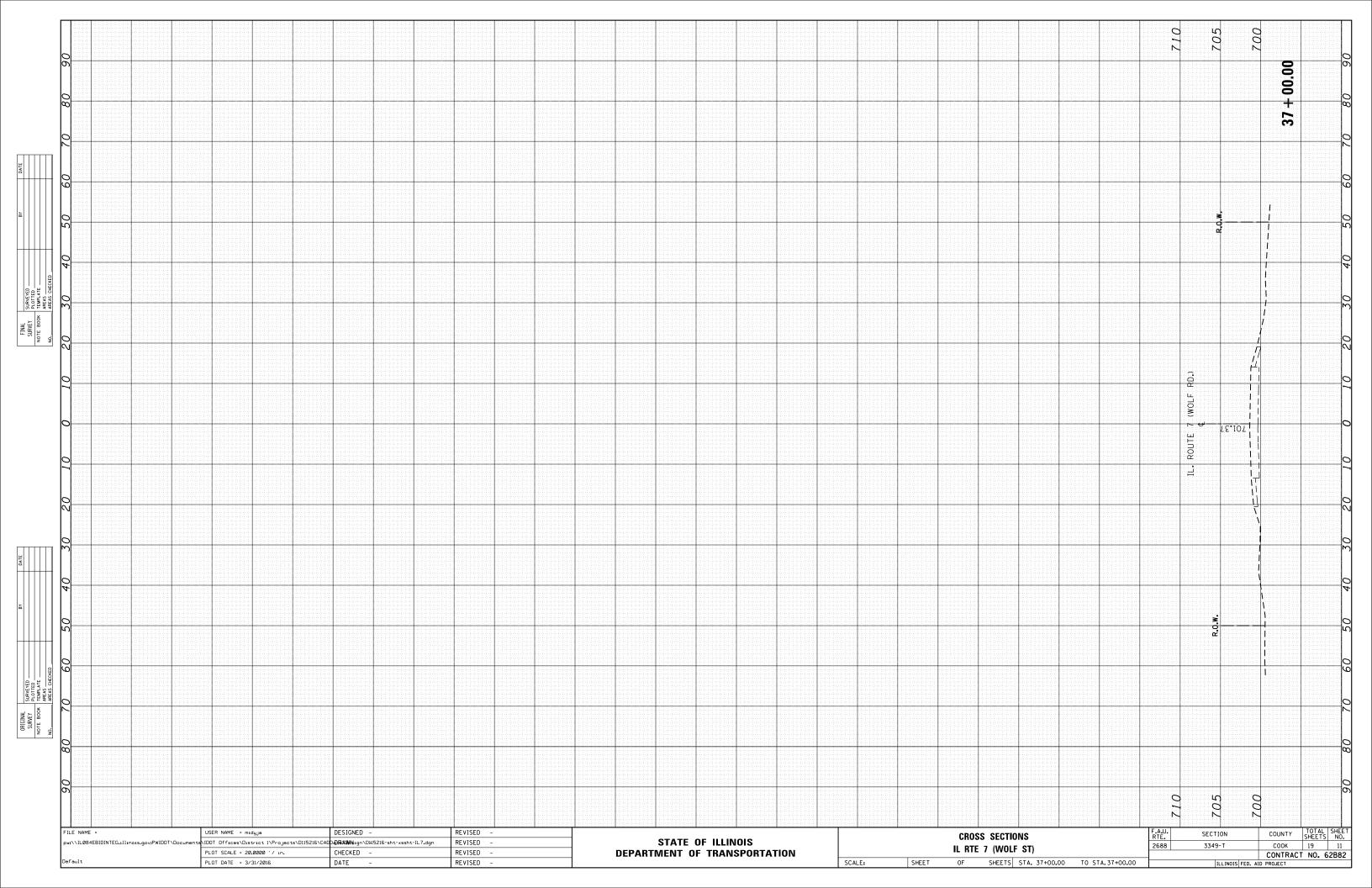
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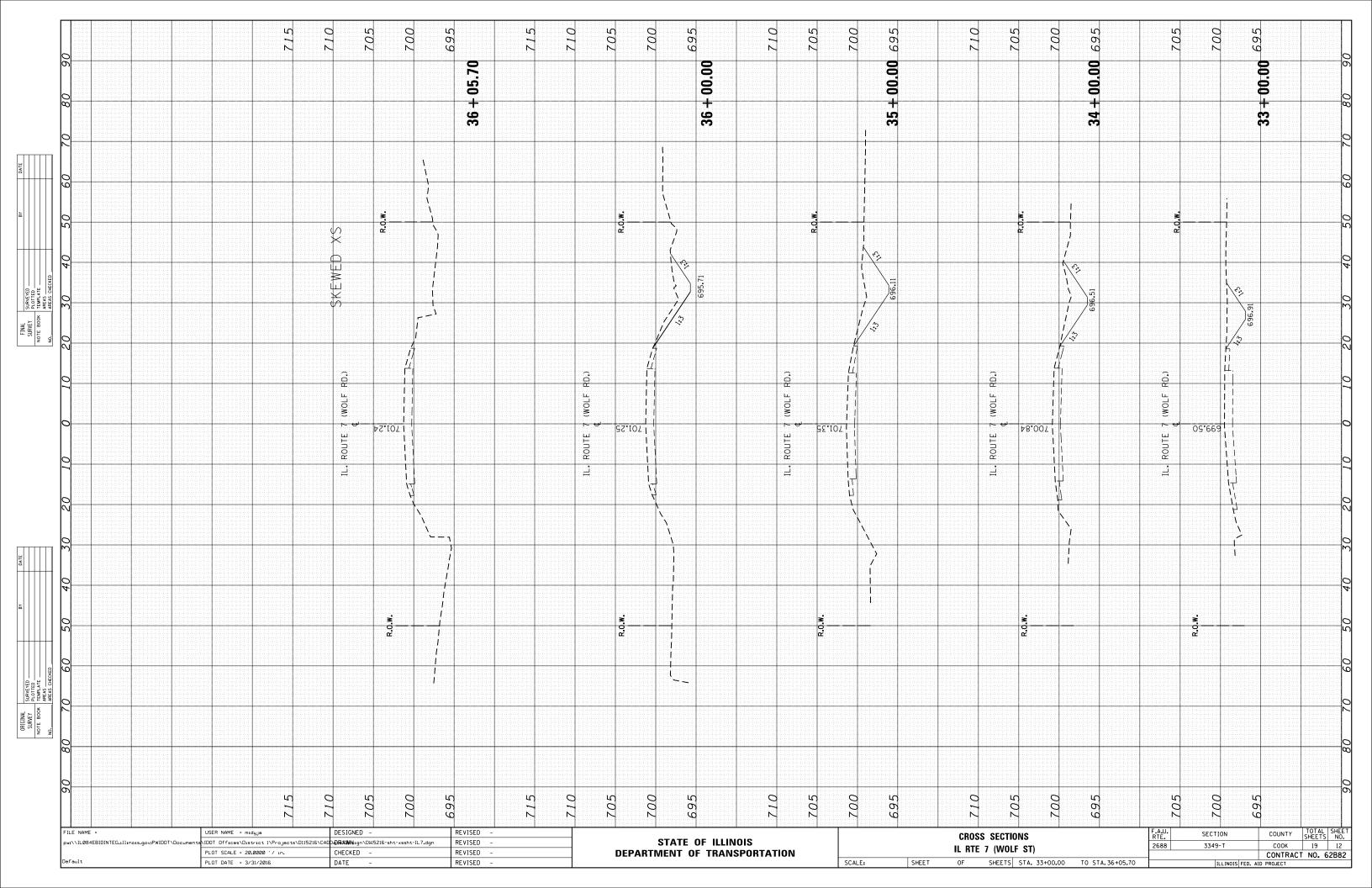
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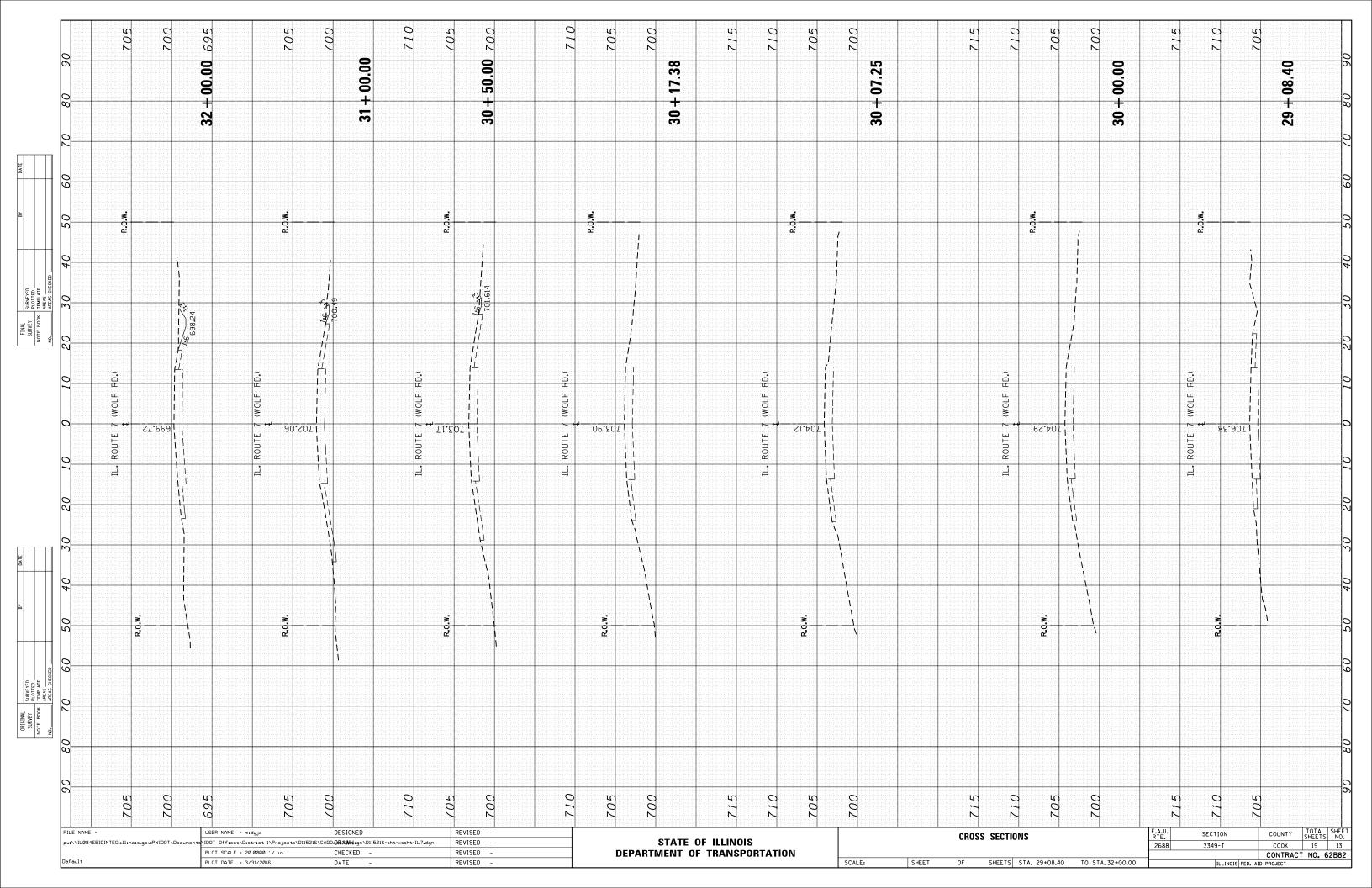
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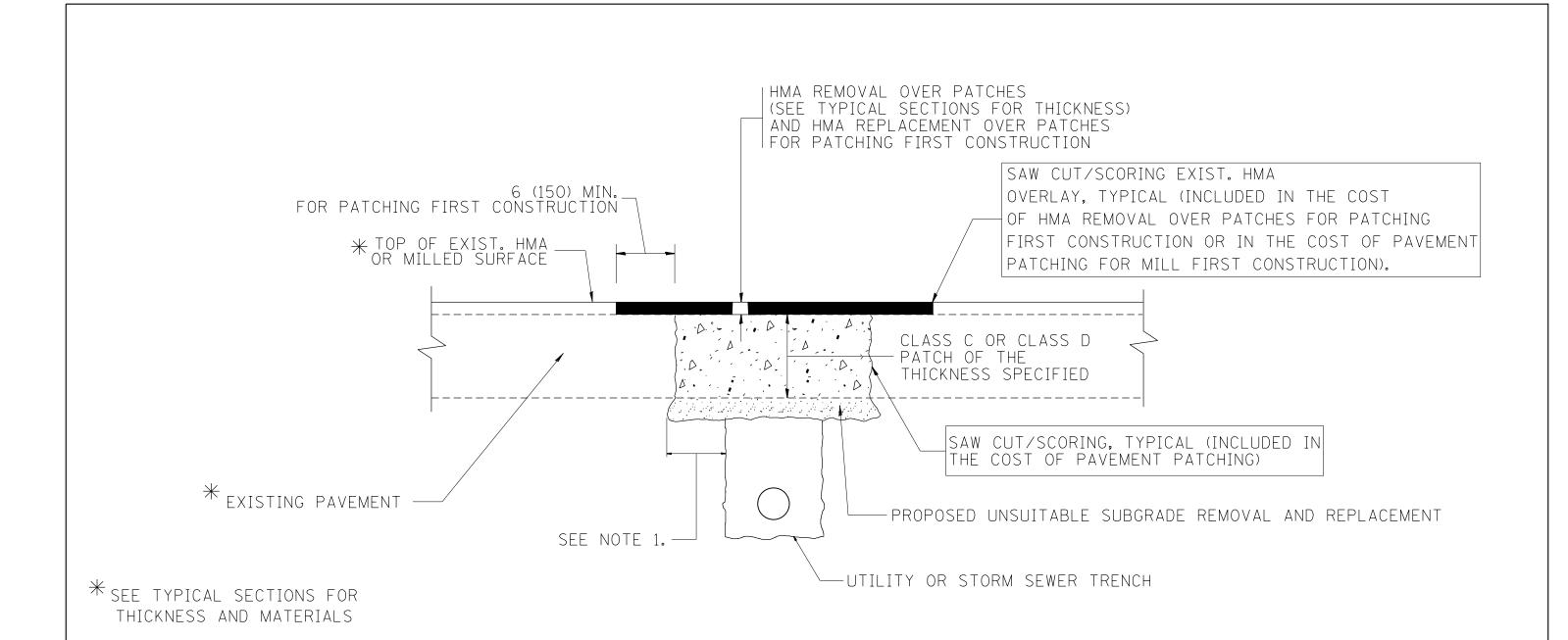
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MAINTENANCE OF TRAFFIC						F.A.U. RTE.	SECT	ION	COUNT		
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NOTES:

- 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 41/2 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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

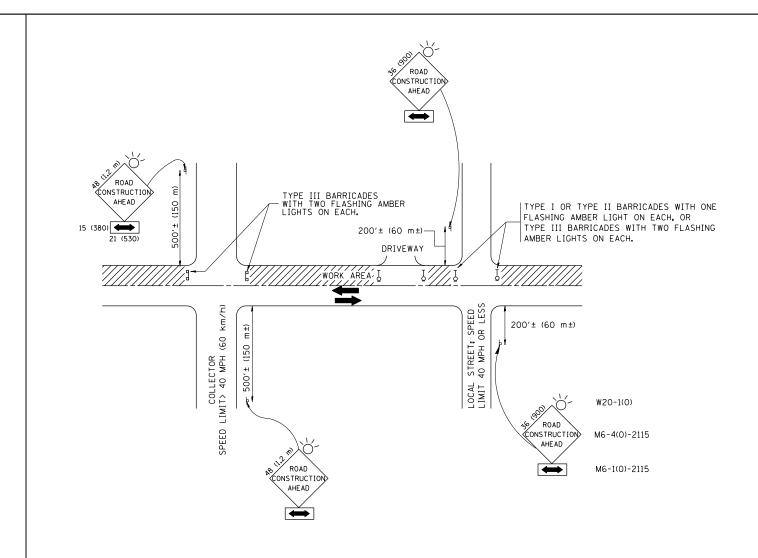
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PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT										
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F.A.U. SECTION COUNTY TOTAL SHEET'S NO.

* 3349-T COOK 19 14

**BD400-04 (BD-22) CONTRACT NO. 62882

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



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:
- 0) ONE ROAD CONSTRUCTION AHEAD SIGN 36×36 (900×900) 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:
- g) ONE ROAD CONSTRUCTION AHEAD SIGN 48 \times 48 (1.2 m \times 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 (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

SCALE: NONE

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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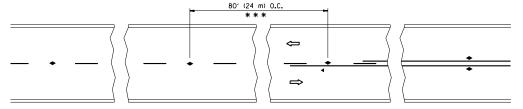
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER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

• 2688 All dimensions are in millimeters (inches) unless otherwise shown.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

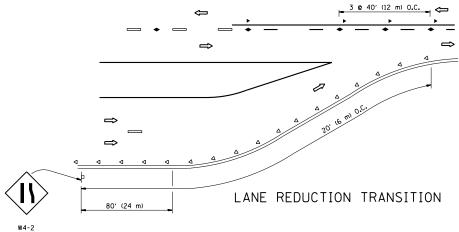
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

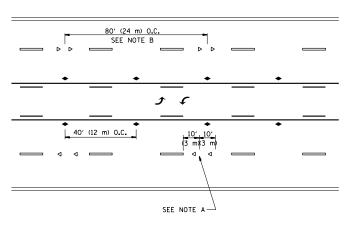
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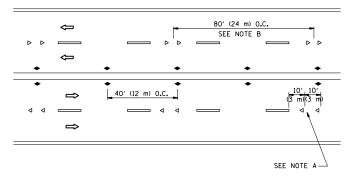
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

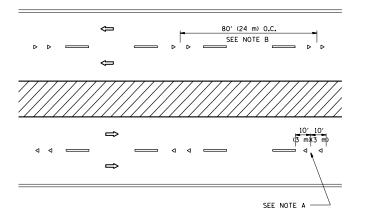




TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- 2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

---- YELLOW STRIPE

WHITE STRIE

- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (₩/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

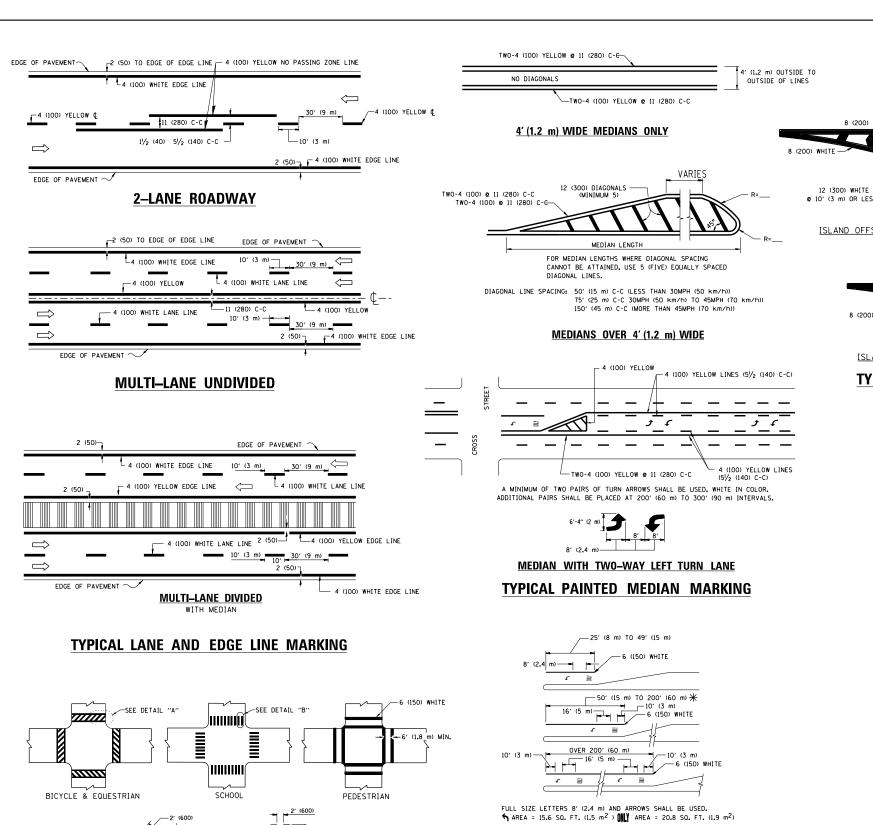
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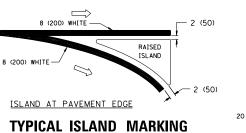
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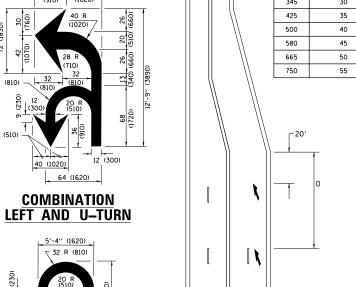
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COUNTY TOTAL SHEET NO.

COOK 19 16 FILE NAME = DESIGNED REVISED - T. RAMMACHER 09-19-94 USER NAME = midyja SECTION TYPICAL APPLICATIONS STATE OF ILLINOIS ow:\\IL084EBIDINTEG.:ll:no:s.gov:PWIDOT\Do uments\IDOT Offices\District 1\Projects\D115<mark>21**6**RXWD</mark>ete\Design\DistStd.dgn REVISED -T. RAMMACHER 03-12-99 3349-1 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) CHECKED REVISED -T. RAMMACHER 01-06-00 **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62B82 REVISED - C. JUCIUS 09-09-09 SHEET NO. 1 OF 1 SHEETS STA. PLOT DATE = 3/31/2016 DATE FED. ROAD DIST, NO. 1 | ILLINOIS FED. AID PROJECT







LANE REDUCTION TRANSITION

D(FT)

SPEED LIMIT

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

TVDF OF MADIVINO	MUDTIL OF LINE	DATTERN	20100	ODA ONIO (DESTADIVO
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) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (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 5EE 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) T0 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 SO. FT. (0.33 m ²) EACH "X"=54.0 SO. FT. (5.0 m ²)
SHOULDER DIAGONALS (REOUIRED 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 (0VER 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

U_TURN

6'-4" (1930)

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)

• 2688 unless otherwise shown.

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF

__12 (300) WHITE

DETAIL "B"

-6 (150) WHITE

THE ROAD WHICH IT CROSSES

DETAIL "A"

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

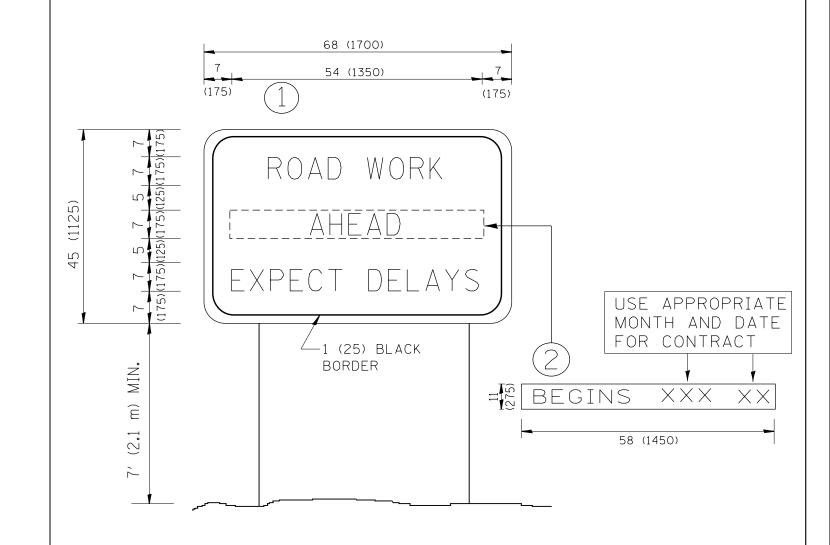
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

ARROW - "ONLY".

•					
DISTRICT ONE	F.AU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS	•	3349-T	COOK	19	17
		TC-13	CONTRACT	NO. 62	B82
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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.

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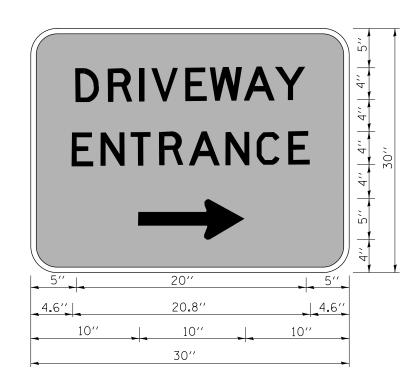
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INFORMATION SIGN									
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TC-22 CONTRACT NO. 62B82

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



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".

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING						SECTION	COUNTY	SHEETS	NO.	ĺ
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