

03-08-2019 LETTING ITEM 006

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS
876	3262A-BR-1	COOK	15
		CONTRACT NO.	60R65

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE  
CITY OF HARVEY

**TRAFFIC DATA:**

IL RTE 1:  
2017 ADT = 18,300  
SPEED LIMIT = 40 MPH

# PROPOSED HIGHWAY PLANS

FAP 876: ILLINOIS ROUTE 1  
OVER CALUMET UNION DITCH  
(AT 161ST STREET)  
SECTION 3262A-BR-1  
PROJECT NHPP-TB11(693)  
BRIDGE DECK OVERLAY  
COOK COUNTY

C-91-198-12



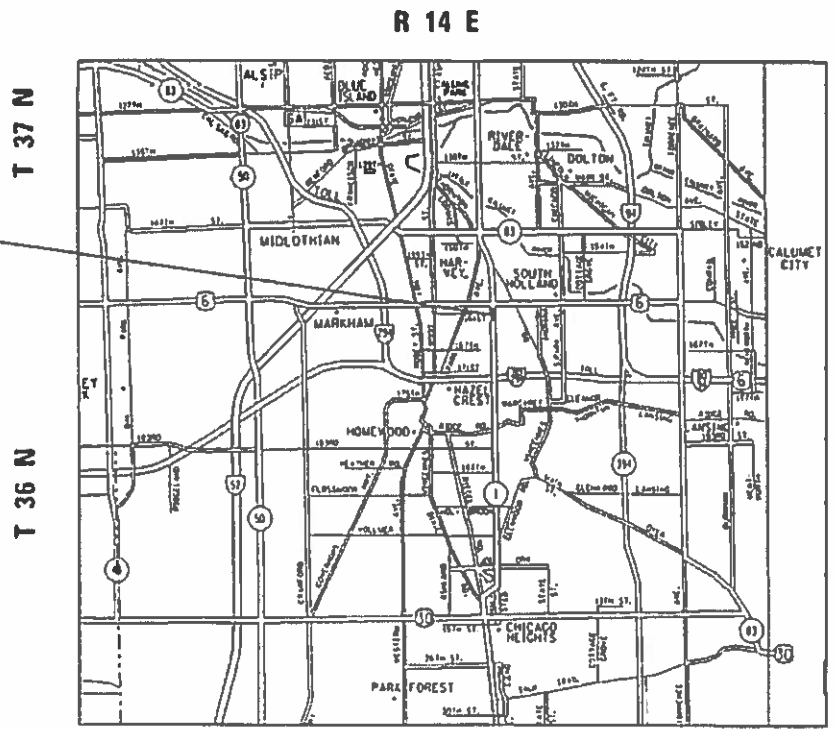
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT START  
STA 39+02

PROJECT END  
STA 39+88

SN: 016-2525



THORNTON TOWNSHIP  
GROSS LENGTH = 86 FT. = 0.016 MILE  
NET LENGTH = 86 FT. = 0.016 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED November 9, 2018

*Jean A. Midy*  
REGIONAL ENGINEER

*Feb 20 2019*

*Paul P. Ch...*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Feb 20 2019*

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER JEAN A. MIDY (847)221-3056  
PROJECT MANAGER FAWAD AQUEEL (847)705-4247  
CONTRACT NO. 60R65

**INDEX OF SHEETS**

<b><u>SHEET NO.</u></b>	<b><u>DESCRIPTION</u></b>
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF ILLINOIS DOT HIGHWAY STANDARDS AND GENERAL NOTES - IL. RTE. 1
3	SUMMARY OF QUANTITIES - IL. RTE. 1
4	SUGGESTED TRAFFIC CONTROL AND PROTECTION NOTES AND DETAILS - IL. RTE. 1
5	SUGGESTED TRAFFIC CONTROL AND PROTECTION - STAGE I - IL. RTE. 1
6	SUGGESTED TRAFFIC CONTROL AND PROTECTION - STAGE II - IL. RTE. 1
7	EXISTING CONDITIONS AND PROPOSED PLAN - IL. RTE. 1
8	STRUCTURAL DRAWINGS - IL. RTE. 1 OVER CAL UNION DITCH
11	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
12	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
14	ARTERIAL ROAD INFORMATION SIGN
15	DRIVEWAY ENTRANCE SIGNING

**STATE STANDARDS**

<b><u>STANDARD NO</u></b>	<b><u>DESCRIPTION</u></b>
<u>HIGHWAY STANDARDS</u>	
<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

**GENERAL NOTES:**

1. FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) OR 811 TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
3. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM I.D.O.T. FIELD MAINTENANCE ENGINEERS.
4. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
5. IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
7. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
8. 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 EXPENSE.
9. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
10. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT PATRICE.HARRISE@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
11. ANY SIGNAGE, PAVEMENT MARKINGS AND REFLECTORS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL CONTACT THE LOCAL MUNICIPALITIES BEFORE COMMENCING ANY EXCAVATION WORK.
13. ALL RAISED REFLECTIVE PAVEMENT MARKERS (BRIDGE) SHALL BE LOW PROFILE.

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	DRAWN -	REVISED -			876	3262A-BR-1	COOK	15	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60R65					
PLOT DATE = 12/12/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		NHPP 80% FED 20% ST 0047				
20100110	TREE REMOVAL (6 TO 15 UNITS IN DIAMETER)	UNIT	13	13				
42001300	PROTECTIVE COAT	SQ YD	50	50				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90	90				
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	5598	5598				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	39	39				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1582	1582				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	125	125				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	30	30				
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	388	388				
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	15	15				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8	8				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		NHPP 80% FED 20% ST 0047				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8	8				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1866	1866				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	775	775				
Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SO YD	612	612				
Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SO YD	612	612				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	58	58				
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2				

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	PLOT DATE = 12/12/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL-1 OVER CALUMET UNION DITCH  
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	3
CONTRACT NO. 60R65				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

\*= SPECIALTY ITEM

## SUGGESTED STAGING AND MAINTENANCE OF TRAFFIC

### CONSTRUCTION STAGING

#### STAGE I

- SCARIFY BRIDGE AND APPROACH SLABS ON SOUTHBOUND HALF OF BRIDGE AND PLACE POLYMER OVERLAY.

#### STAGE II

- SCARIFY BRIDGE AND APPROACH SLABS ON NORTHBOUND HALF OF BRIDGE AND PLACE POLYMER OVERLAY.

### MAINTENANCE OF TRAFFIC

#### STAGE I

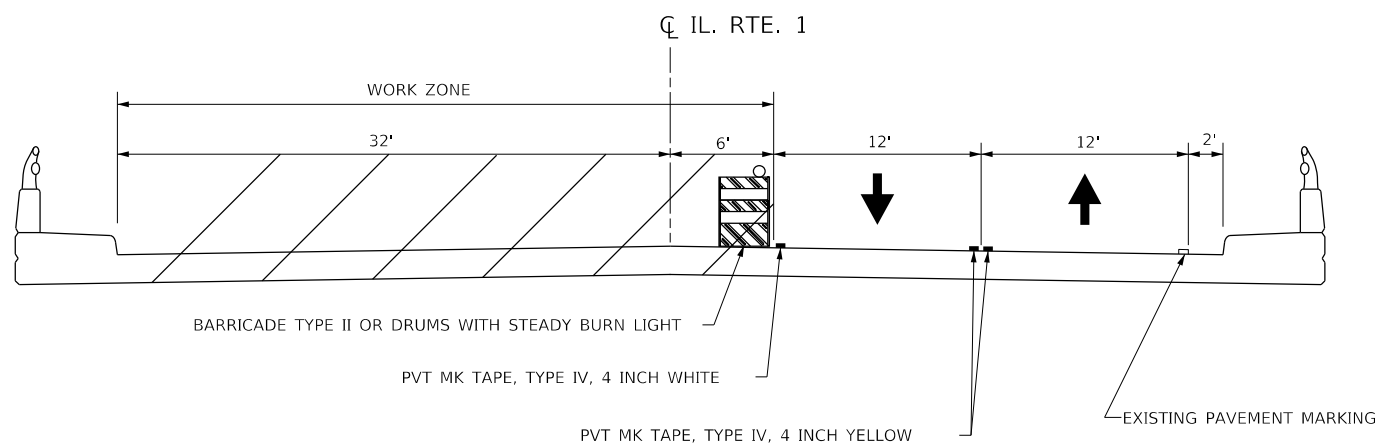
- CLOSE TWO SOUTHBOUND LANES AND MEDIAN AS SHOWN ON THE SUGGESTED TRAFFIC CONTROL AND PROTECTION PLAN ALONG WITH STANDARD T01606.

#### STAGE II

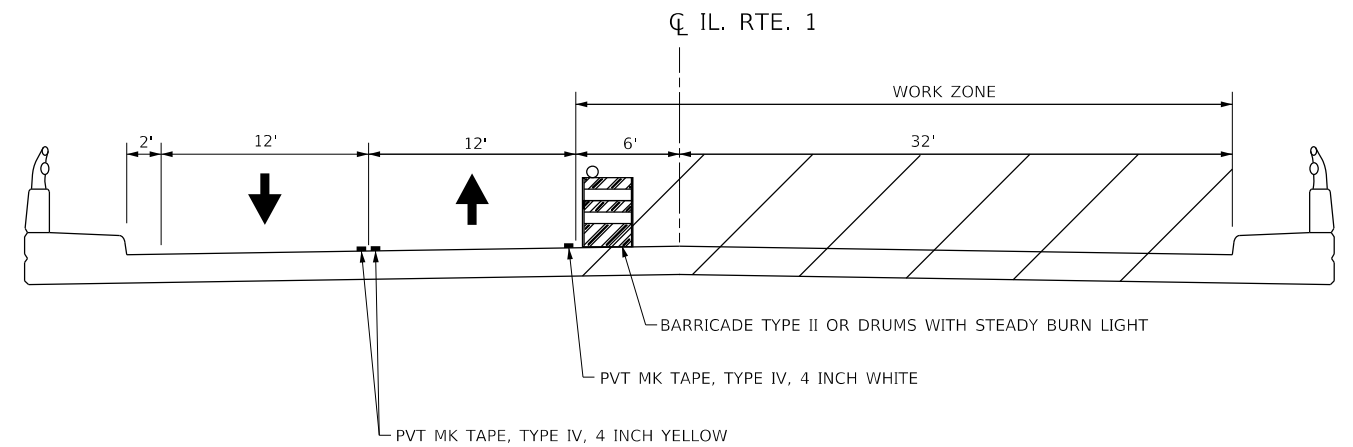
- CLOSE TWO NORTHBOUND LANES AND MEDIAN AS SHOWN ON THE SUGGESTED TRAFFIC CONTROL AND PROTECTION PLAN ALONG WITH STANDARD T01606.
- MAINTAIN ONE-LANE TWO-WAY TRAFFIC ON SOUTHBOUND PAVEMENT ACROSS BRIDGE.
- REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND REFLECTORS.

## TRAFFIC CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL NOT MOUNT SIGNS ON EXISTING SIGNS.
2. CONTRACTOR SHALL MAINTAIN SATISFACTORY INGRESS AND EGRESS TO ADJACENT PROPERTIES THROUGHOUT THE CONSTRUCTION.
3. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV
4. REMOVAL OF TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS TEMPORARY PAVEMENT MARKING REMOVAL.
5. EXISTING, CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING.
6. THE EXISTING PAVEMNT MARKINGS THAT HAVE BEEN REMOVED SHALL BE REPLACED IN-KIND. POLYUREA PAVEMENT MARKING, TYPE I SHALL BE PLACED ON CONCRETE SURFACES. THERMOPLASTICPAVEMENT MARKING SHALL BE PLACED ON HOT-MIX ASPHALT SURFACES.
7. USE SUGGESTED TRAFFIC CONTROL AND PROTECTION PLAN IN CONJUNCTION WITH STANDARD 701606 AND APPLICABLE PORTIONS OF DISTRICT ONE STANDARD TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS. ADDITIONAL SIGNAGE MAY BE REQUIRED BY THE RESIDENT ENGINEER. ALL WORK AND SIGNAGE IN THE PLANS SHALL BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE PROVIDED IN THE PLANS.
8. A MONO-DIRECTIONAL FLASHING AMBER BEACON SHALL BE MOUNED ON THE FIRST TWO WARNING SIGNS ON EACH APPROACH DURING HOURS OF DARKNESS.



**MAINTENANCE OF TRAFFIC – STAGE I  
(LOOKING SOUTH)**



**MAINTENANCE OF TRAFFIC – STAGE II  
(LOOKING SOUTH)**

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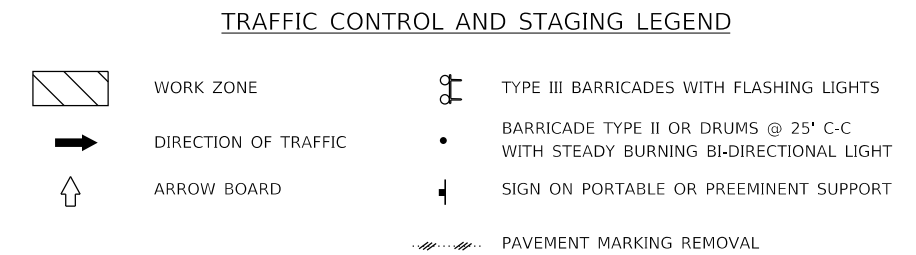
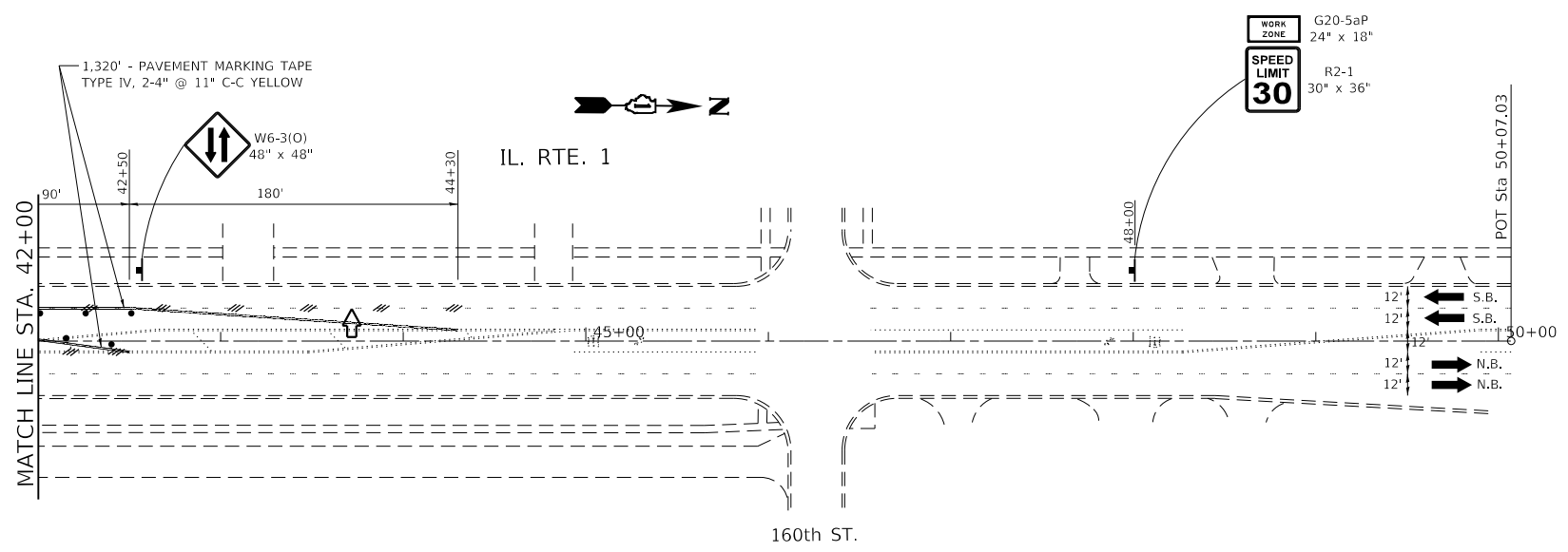
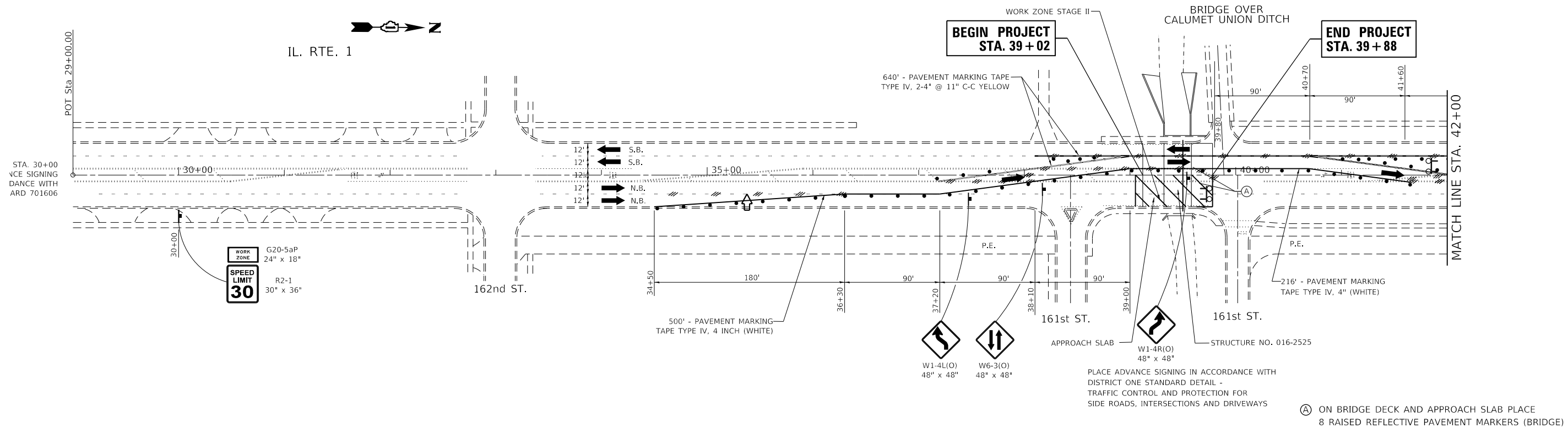
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TRAFFIC CONTROL AND PROTECTION NOTES AND DETAILS  
IL. RTE. 1 (OVER CALUMET UNION DITCH)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK		
CONTRACT NO. 60R65				
		ILLINOIS	FED. AID PROJECT	





- NOTES**
- USE THERMOPLASTIC PAVEMENT MARKINGS ON HMA PAVEMENT. USE POLYUREA PAVEMENT MARKINGS TYPE I ON BRIDGE DECK AND APPROACH SLAB.
  - REPLACE ALL EXISTING PAVEMENT MARKING REMOVED DUE TO MAINTENANCE OF TRAFFIC. SEE DISTRICT ONE PAVEMENT MARKING DETAILS.

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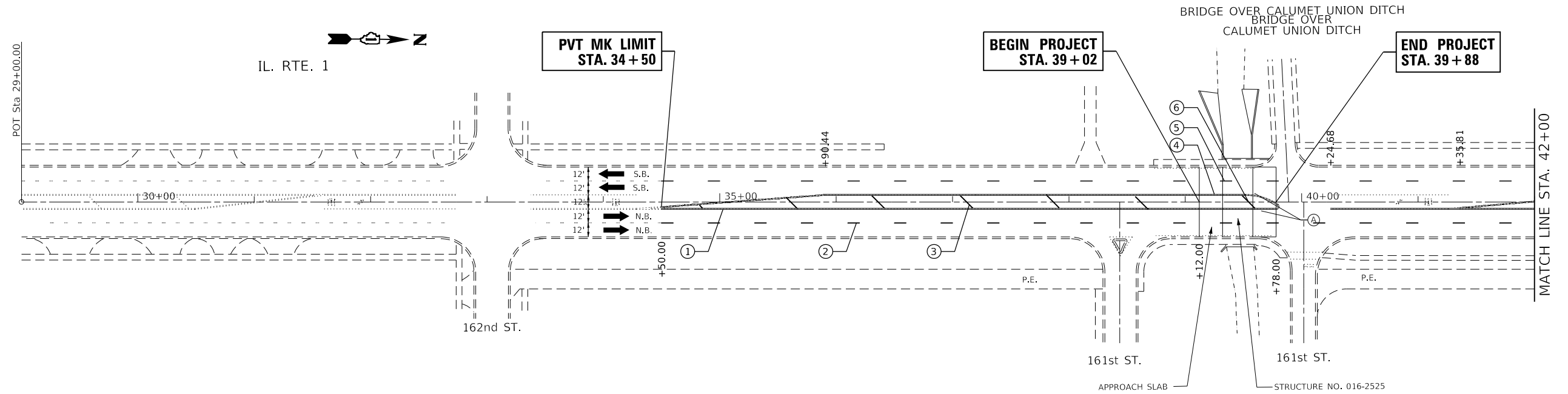
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

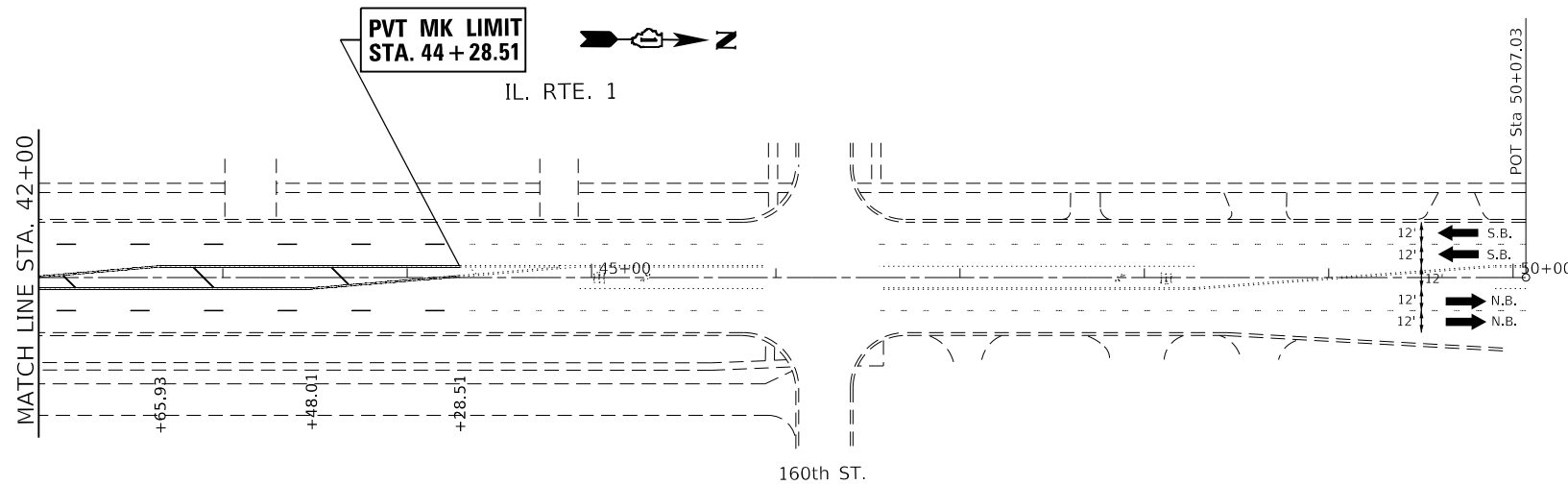
**SUGGESTED TRAFFIC CONTROL AND PROTECTION - STAGE II  
IL. RTE. 1 (OVER CALUMET UNION DITCH)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 876	SECTION 3262A-BR-1	COUNTY COOK	TOTAL SHEETS 15	SHEET NO. 6
CONTRACT NO. 60R65				
ILLINOIS FED. AID PROJECT				



Ⓐ ON BRIDGE DECK AND APPROACH SLAB PLACE 8 RAISED REFLECTIVE PAVEMENT MARKERS (BRIDGE)



### PAVEMENT MARKINGS LEGEND

- ① THPL PVT MK, DBL LINE. 4" @ 11" C-C, YELLOW
- ② THPL PVT MK, SKIP DASH, 4", WHITE
- ③ THPL PVT MK, SOLID DIAGONALS, 12", YELLOW
- ④ MODIFIED URETHANE PVT MK, DBL LINE. 4" @ 11" C-C, YELLOW
- ⑤ MODIFIED URETHANE PVT MK, SKIP DASH, 4", WHITE
- ⑥ MODIFIED URETHANE PVT MK, SOLID DIAGONALS, 12", YELLOW

TOTAL BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
BRIDGE DECK GROOVING	SQ YD	577
BRIDGE DECK CONCRETE SEALER	SQ FT	403
BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	612
BRIDGE DECK SCARRIFICATION, 3/8"	SQ YD	612

### NOTES

1. USE THERMOPLASTIC PAVEMENT MARKINGS ON HMA PAVEMENT.  
USE POLYUREA PAVEMENT MARKINGS TYPE I ON BRIDGE DECK AND APPROACH SLAB.
2. REPLACE ALL EXISTING PAVEMENT MARKING REMOVED DUE TO MAINTENANCE OF TRAFFIC.  
SEE DISTRICT ONE PAVEMENT MARKING DETAILS.

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PLOT DATE = 12/12/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN  
IL. RTE. 1 OVER CALUMET UNION DITCH**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	7
			CONTRACT NO. 60R65	
ILLINOIS FED. AID PROJECT				

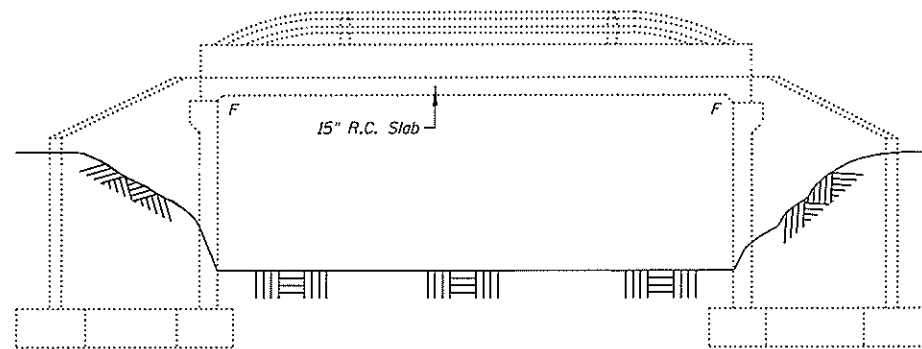
**GENERAL NOTES:**

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

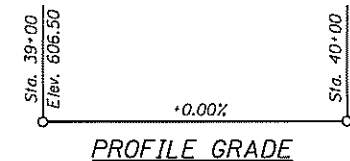
These plans have been prepared from notes received from I.D.O.T. Field Maintenance Engineers.

**INDEX OF SHEETS**

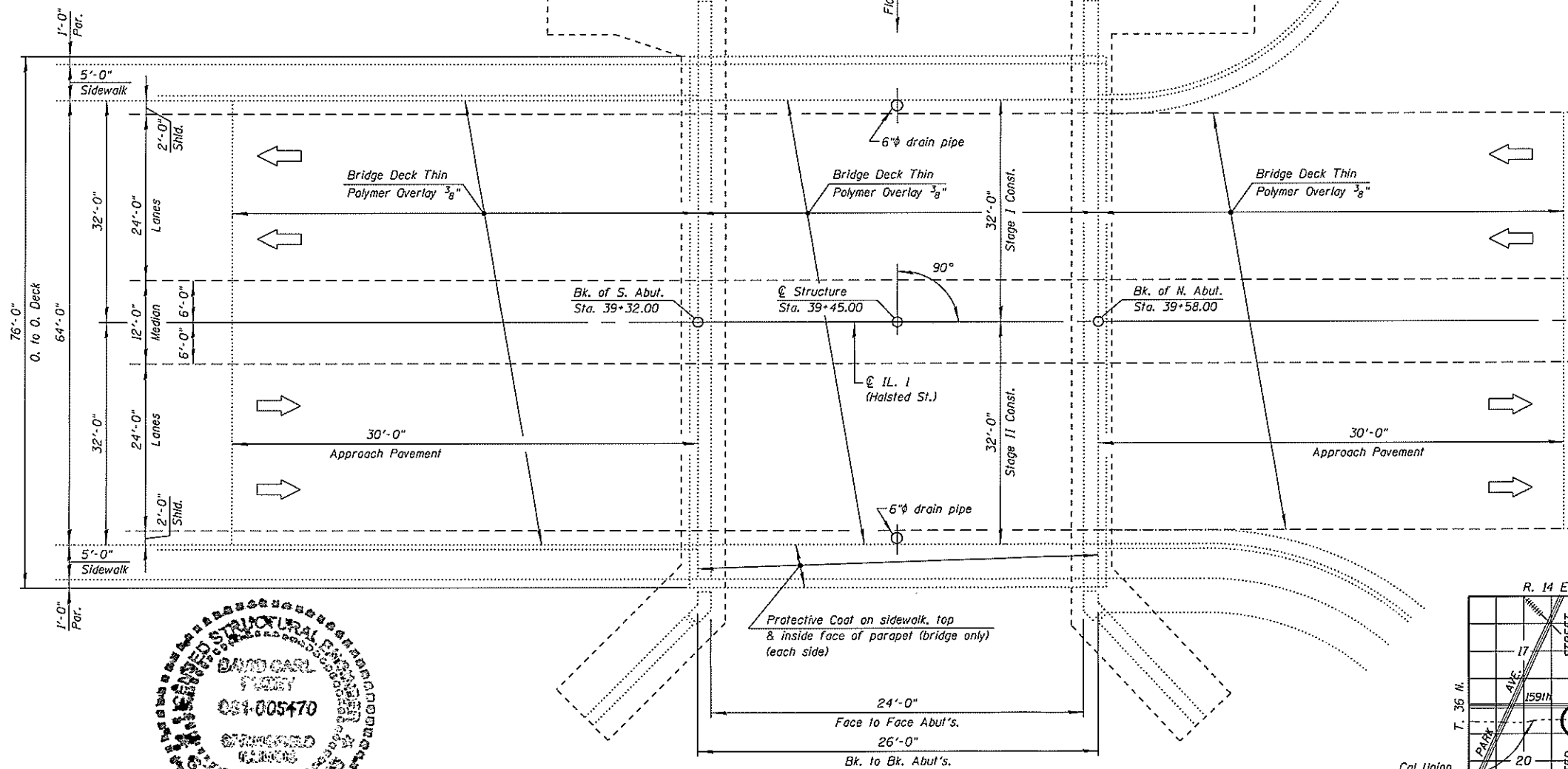
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- S2 DECK CROSS SECTION
- S3 DECK CROSS SECTIONS-STAGING



**ELEVATION**



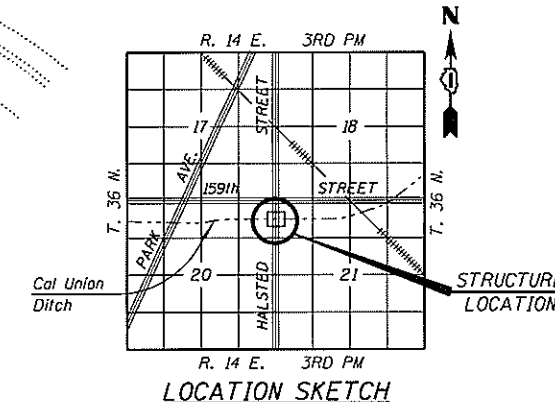
**PROFILE GRADE**



**PLAN**

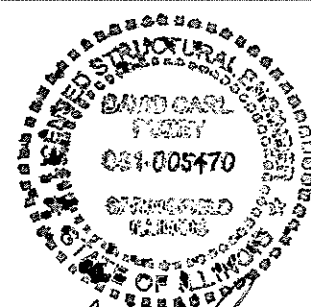
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Protective Coat	Sq Yd	50
Concrete Bridge Deck Scarification (3/8 Inch)	Sq Yd	612
Bridge Deck Thin Polymer Overlay 3/8"	Sq Yd	612



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION  
IL. 1 (HALSTED STREET) OVER  
CAL UNION DITCH  
(AT 161ST STREET)  
SECTION 3262A-BR-1  
COOK COUNTY  
STATION 39+45.00  
STRUCTURE NO. 016-2525**



*David Carl Fedy*  
Expires 11/30/20

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

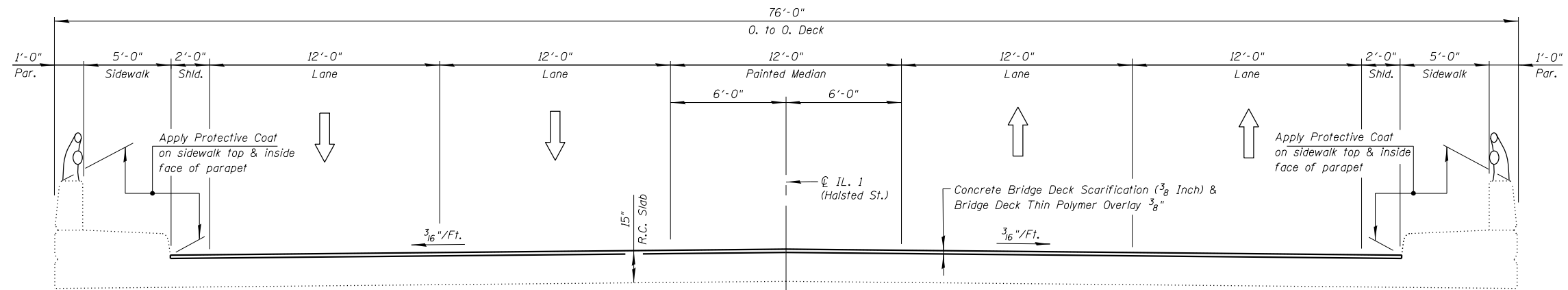
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STRUCTURE NO. 016-2525**

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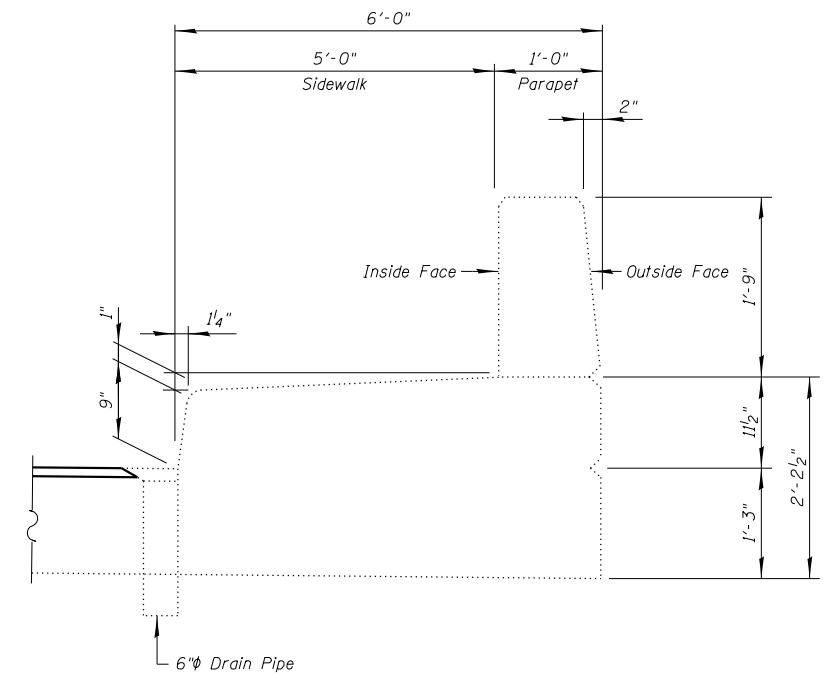
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CONTRACT NO. 60R65				
ILLINOIS FED. AID PROJECT				

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**DECK CROSS SECTION**



**ENLARGED DETAIL**  
(Showing sidewalk & parapet at drain pipes)

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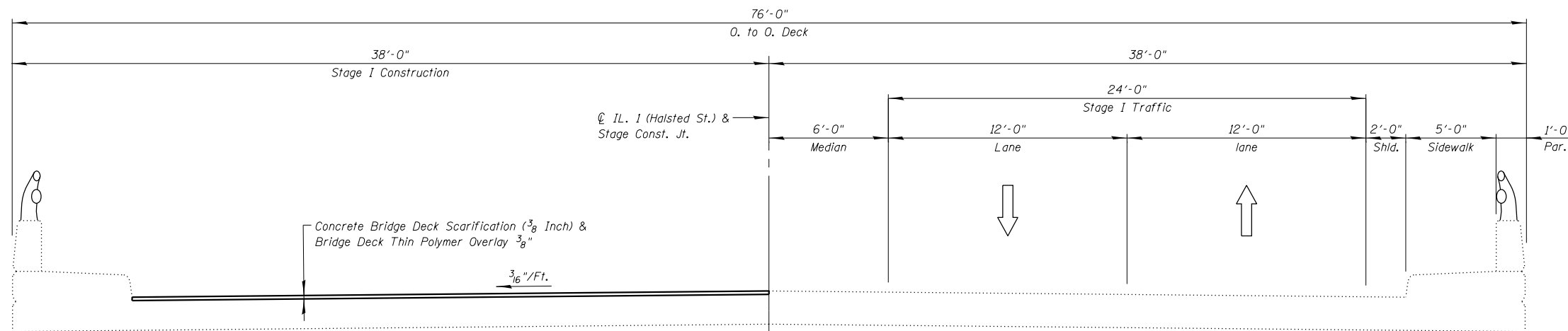
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

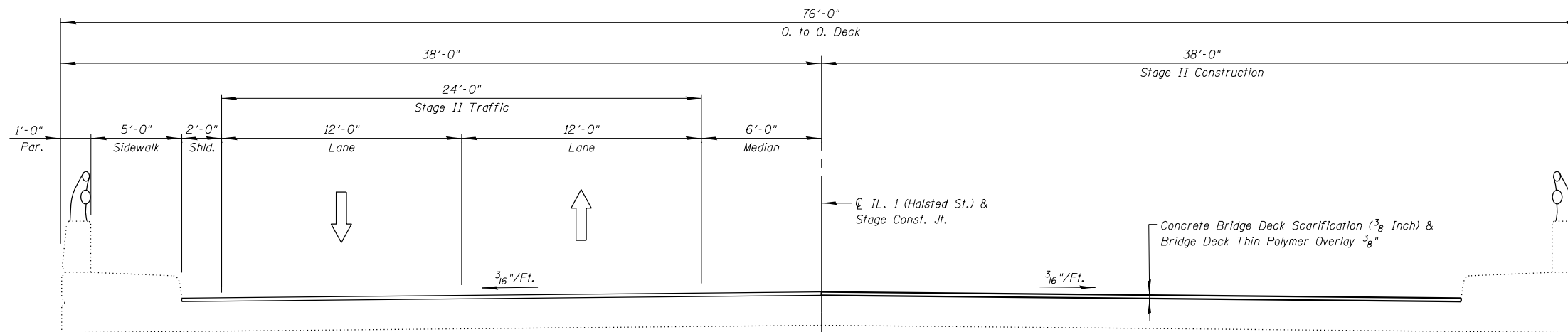
**DECK CROSS SECTION  
STRUCTURE NO. 016-2525**

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	9
CONTRACT NO. 60R65				
ILLINOIS		FED. AID PROJECT		



**STAGE I CONSTRUCTION**  
(Looking North)



**STAGE II CONSTRUCTION**  
(Looking North)

MODEL: Default  
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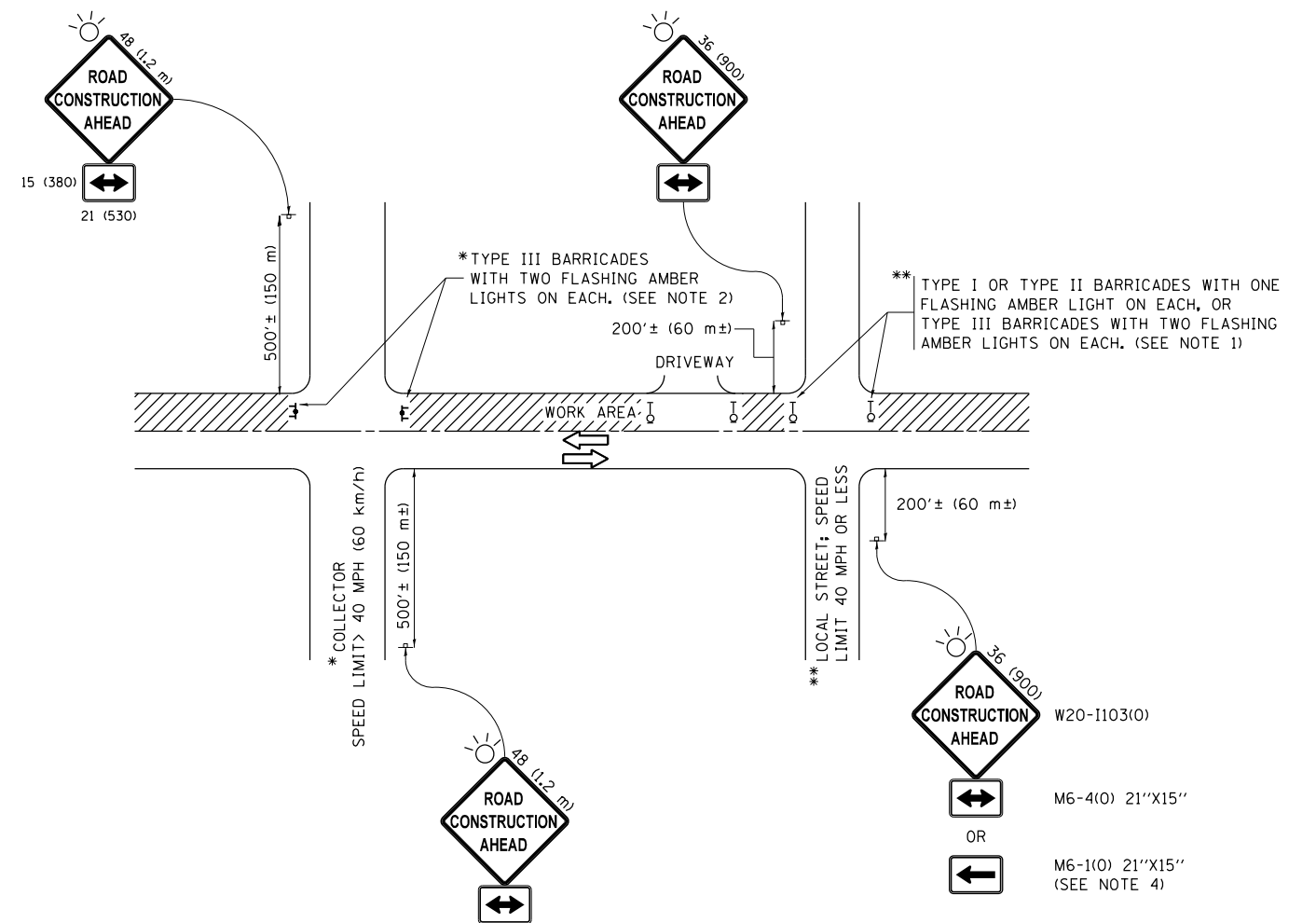
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PLOT DATE = 1/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK CROSS SECTIONS-STAGING  
STRUCTURE NO. 016-2525**

SCALE: NTS    SHEET 3 OF 3 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	10
CONTRACT NO. 60R65				
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.

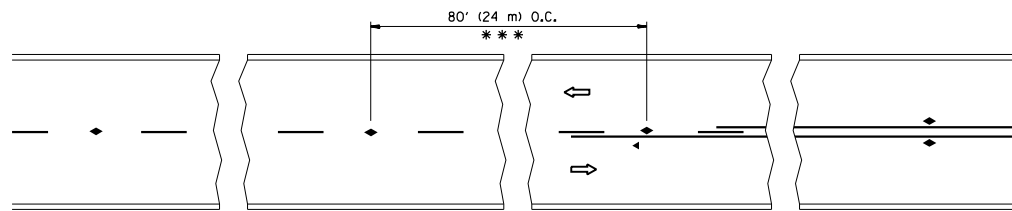
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pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI19\BIDRAW\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 12/12/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

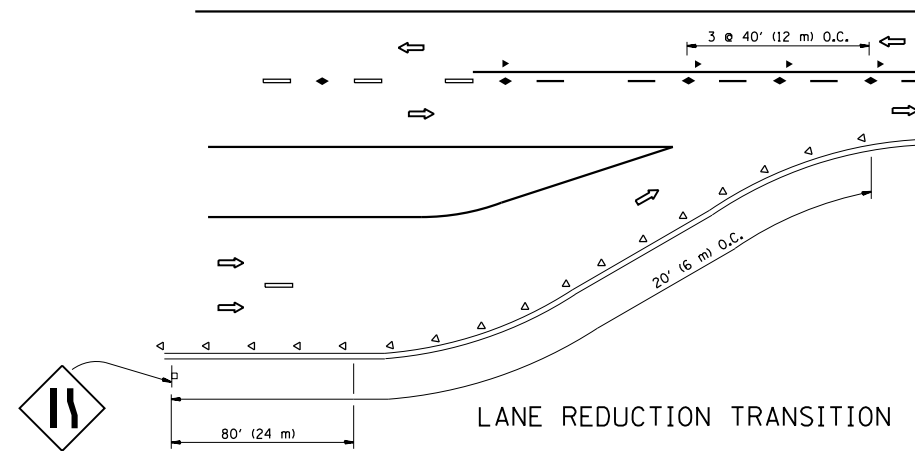
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	11
<b>TC-10</b>			<b>CONTRACT NO. 60R65</b>	
ILLINOIS FED. AID PROJECT				

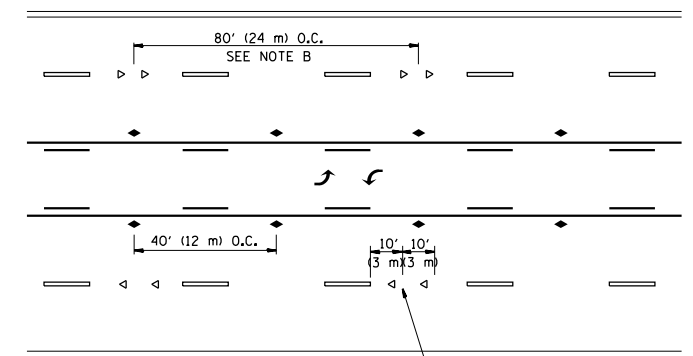


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

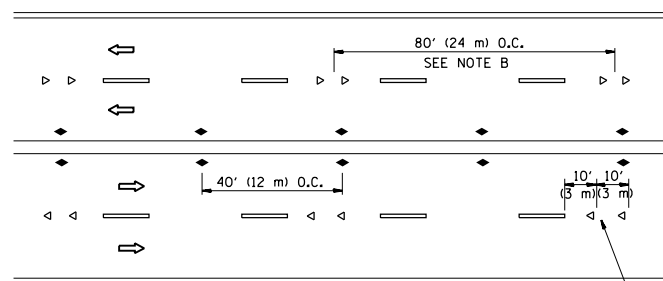
TWO-LANE/TWO-WAY



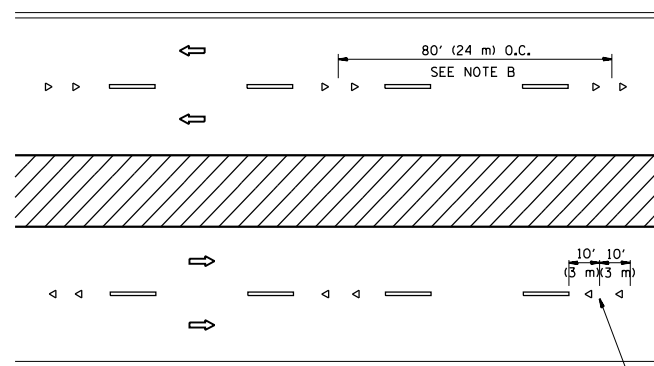
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. 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.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

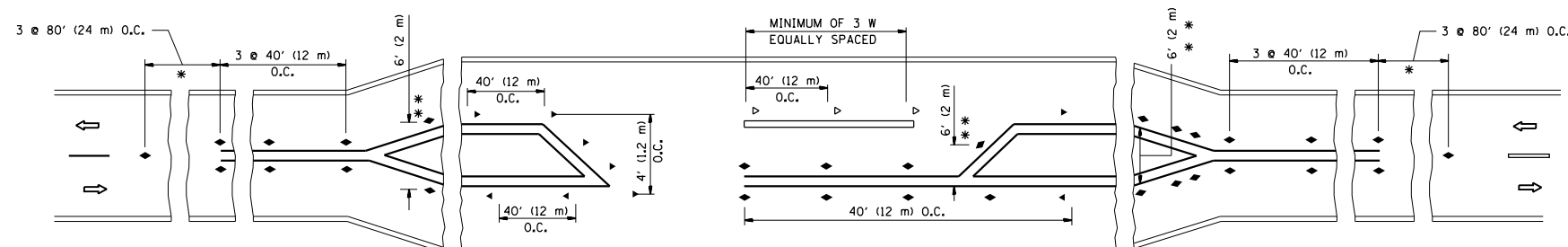
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

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.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

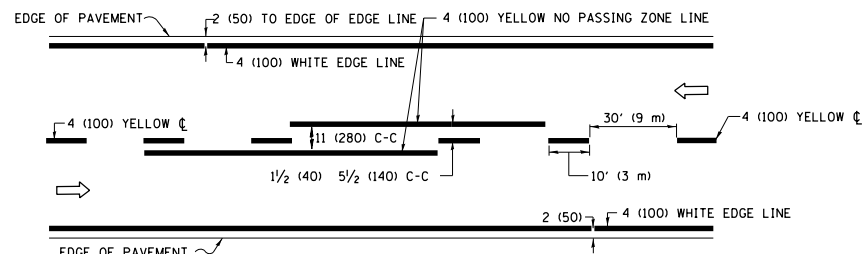
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = ledznmrm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI19\Drawings\Design\DistStd.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 01-06-00
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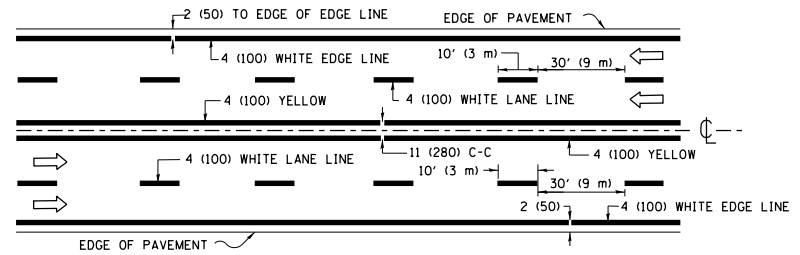
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

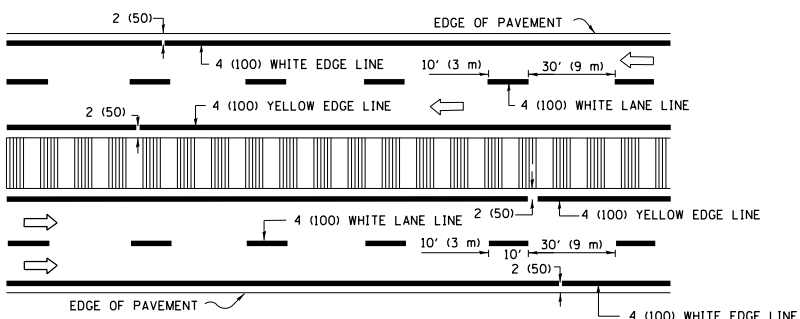
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	12
TC-11		CONTRACT NO. 60R65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

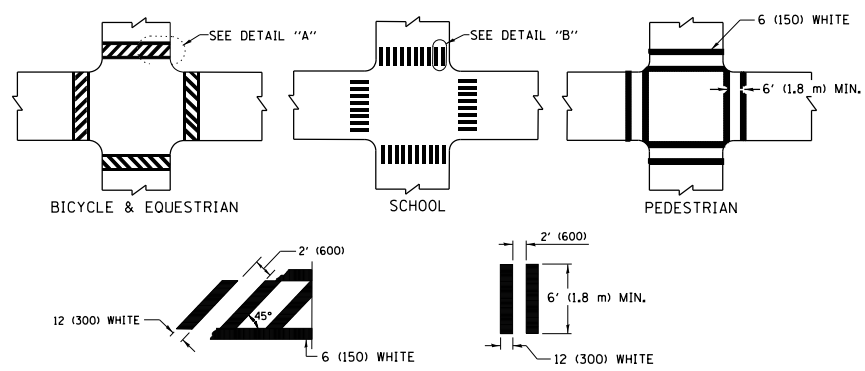


**MULTI-LANE UNDIVIDED**



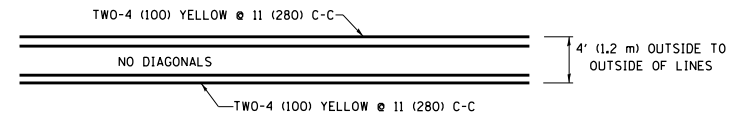
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

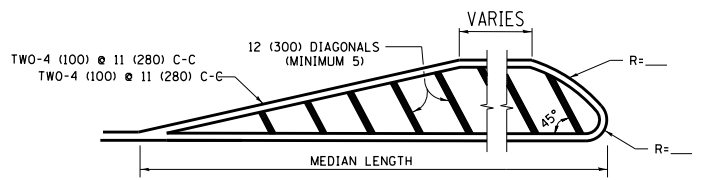


**TYPICAL CROSSWALK MARKING**

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

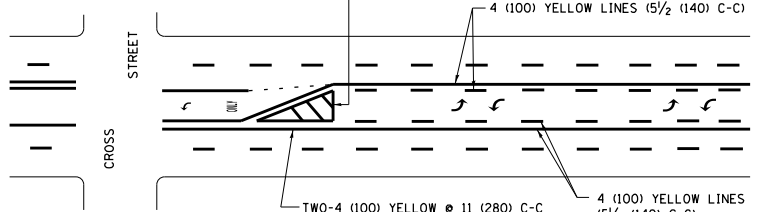


**4' (1.2 m) WIDE MEDIANS ONLY**



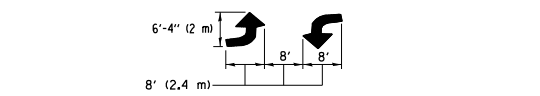
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

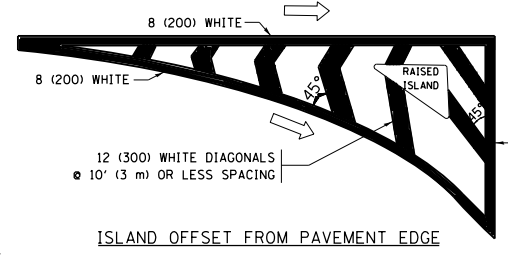
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



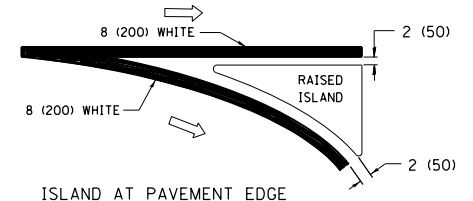
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

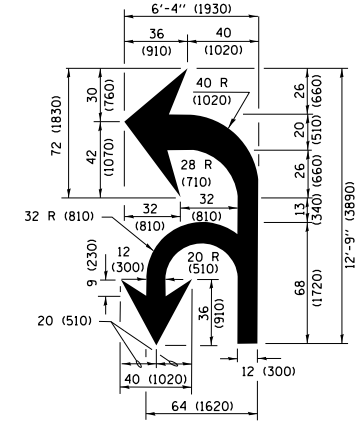
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



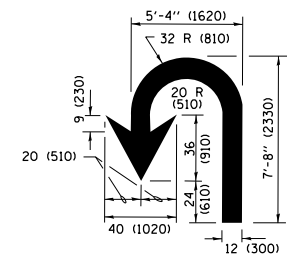
**ISLAND OFFSET FROM PAVEMENT EDGE**



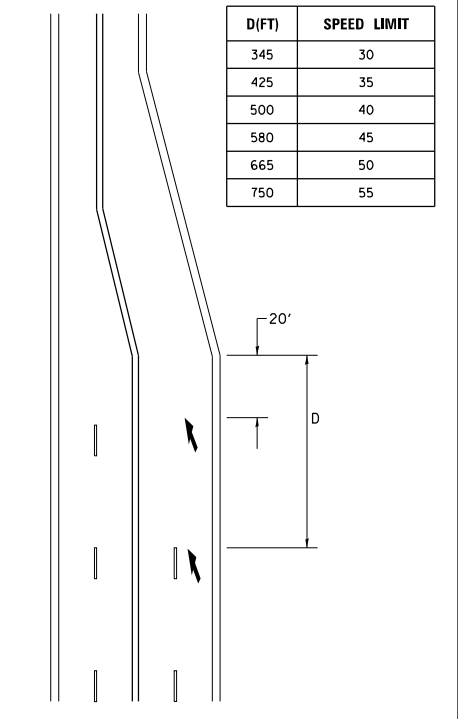
**ISLAND AT PAVEMENT EDGE  
TYPICAL ISLAND MARKING**



**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) 2 @ 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 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 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 (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.

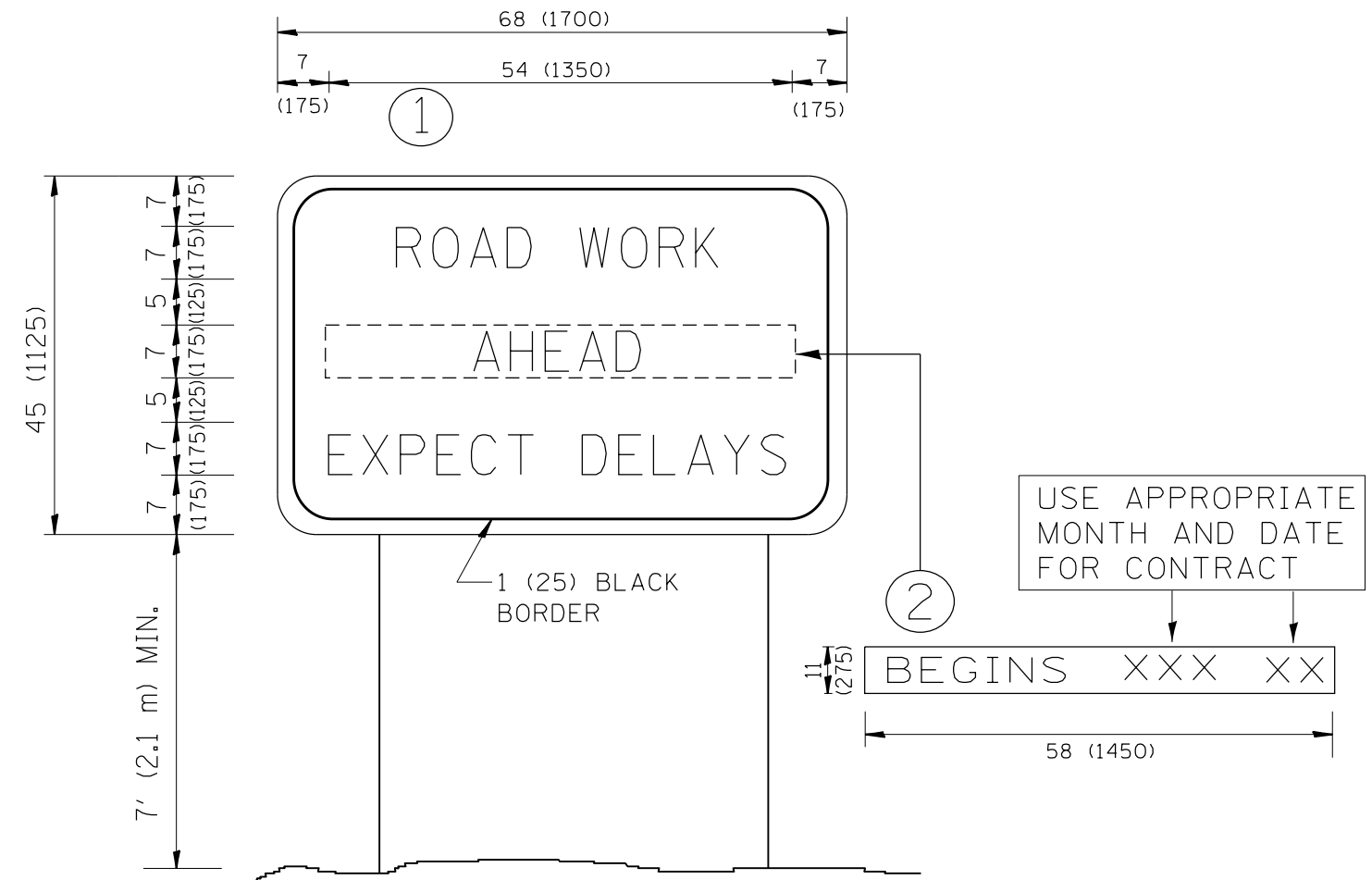
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = ledemzarm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\11\inois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\0119\BID\Notes\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 12/12/2018		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	13
<b>TC-13</b>		<b>CONTRACT NO. 60R65</b>		
ILLINOIS FED. AID PROJECT				

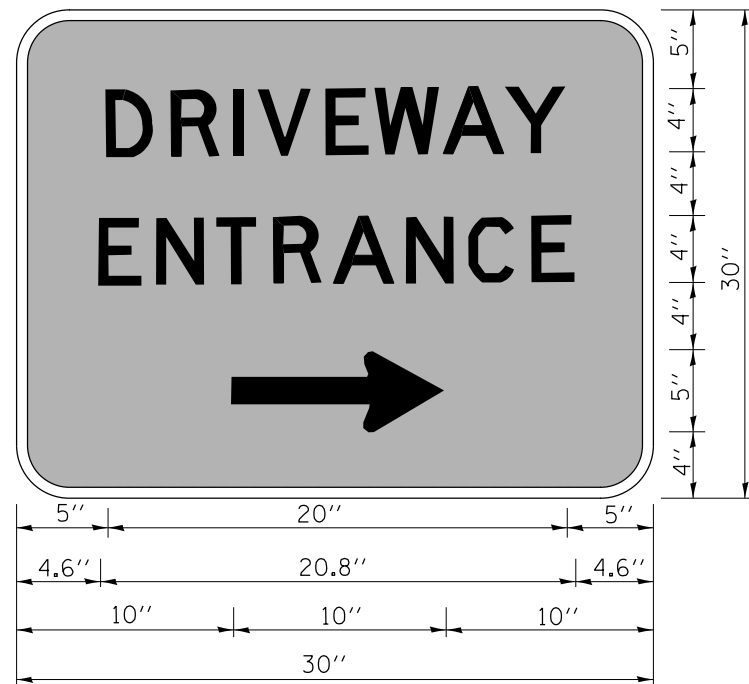


**NOTES:**

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 =	USER NAME = ledezmar	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI19\Drawings\Design\DistStd.dgn			REVISED - R. MIRS 12-11-97		876	3262A-BR-1	COOK	15	14			
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		<b>TC-22</b>			<b>CONTRACT NO. 60R65</b>				
	PLOT DATE = 12/12/2018	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	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".

FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED - C. JUCIUS 02-15-07
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	PLOT SCALE = 100.0000' / 1"	DATE -	REVISED -
	PLOT DATE = 12/12/2018		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	3262A-BR-1	COOK	15	15
<b>TC-26</b>			<b>CONTRACT NO. 60R65</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				