

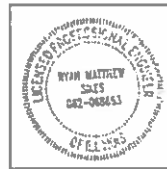
04-24-2020 LETTING ITEM 006

FOR INDEX OF SHEETS, SEE SHEET NO. 2



JANUARY 17, 2020

JIAHONG ZUO  
ILLINOIS REG. STRUCTURAL ENGINEER NO. 081-006794  
EXPIRATION DATE 11-30-2020  
SHEETS 19-25



JANUARY 17, 2020

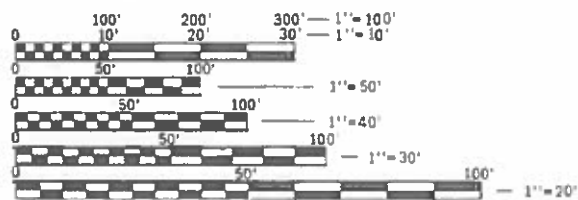
RYAN M. SIKES  
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-068663  
EXPIRATION DATE 11-30-2021  
SHEETS 1-18, 26-32

**TRAFFIC DATA**  
2017 ADT = 30,100

**DESIGN/ POSTED SPEED**  
POSTED SPEED: 25 MPH  
DESIGN SPEED: 30 MPH

**DESIGN DESIGNATION**  
PRINCIPAL ARTERIAL

IMPROVEMENT IS LOCATED  
IN THE VILLAGE OF EAST DUNDEE  
AND THE VILLAGE OF WEST DUNDEE



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 MANAGER: FAWAD AQUEEL, PE, PTOE (847) 705-4247  
PROJECT ENGINEER: PRAVEEN KAINI, PE (847) 705-4237



CONTRACT NO. 62J36

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 341 (IL 72)  
OVER FOX RIVER  
SECTION 2019-059-BR  
PROJECT NHPP-HFEM(436)  
BRIDGE DECK OVERLAY  
AND BRIDGE REPAIR  
KANE COUNTY

C-91-420-19



PROJECT BEGINS  
STA. 327+90.15

SN 045-2016

PROJECT ENDS  
STA. 330+51.43

LOCATION MAP

GROSS LENGTH = 261 FT. = 0.05 MILE  
NET LENGTH = 261 FT. = 0.05 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	1
		ILLINOIS	CONTRACT NO. 62J36	

D-91-186-19



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 24, 2020  
Anthony J. Ranney / 043  
REGIONAL ENGINEER

March 20, 2020  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20, 2020  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF WEST DUNDEE.
- 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 PLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED 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 RESIDENT ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD TECHNICIAN, AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL COORDINATE WITH PACE TO DETERMINE THE RELOCATED BUS STOP LOCATIONS.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED AT HIS EXPENSE TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.
- THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

**DRAINAGE AND UTILITIES GENERAL NOTES**

- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.

**EROSION CONTROL AND LANDSCAPING GENERAL NOTES**

- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSED OF EACH WORKING DAY, AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 MAINTENANCE OF TRAFFIC TYPICAL SECTION
- 6-13 MAINTENANCE OF TRAFFIC PLAN
- 14 MAINTENANCE OF TRAFFIC GENERAL NOTES
- 15-18 PAVEMENT MARKING PLAN
- 19-25 STRUCTURAL PLANS
- 26-32 DISTRICT DETAILS

**HIGHWAY STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 643001-02 SAND MODULE IMPACT ATTENUATORS
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 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
- 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
- 701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**DISTRICT STANDARDS**

- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-13 TYPICAL PAVEMENT MARKINGS
- TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
- TC-16 SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
- TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
- TC-22 ARTERIAL ROAD INFORMATION SIGNS
- TC-26 DRIVEWAY ENTRANCE SIGNING

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**WBK engineering**  
 116 WEST MAIN STREET, SUITE 201  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL RTE 72 OVER FOX RIVER GENERAL NOTES</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	2
			CONTRACT NO.62136	
		ILLINOIS	FED. AID PROJECT	

# SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	URBAN	
					TOTAL QUANTITY	80% FEDERAL 20% STATE BRIDGE 0059
		52000020	PREFORMED JOINT SEAL 1 3/4"	FOOT	85	85
		52000035	PREFORMED JOINT SEAL 2 3/4"	FOOT	151	151
		58700300	CONCRETE SEALER	SQ FT	9,175	9,175
*		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
		67100100	MOBILIZATION	LSUM	1	1
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	33	33
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,109	1,109
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	370	370
*		70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	109.2	109.2
*		70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	8,862	8,862
*		70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	88	88
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	800	800
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	700	700
		70600235	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	4	4
		70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	3	3
		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37
		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,801	1,801
		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	280	280
		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	70	70
		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	55	55
		78100300	REPLACEMENT REFLECTOR	EACH	25	25
		78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	60	60
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	25	25
	S	X0326331	CLEANING AND PAINTING BEARINGS	EACH	84	84
		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	957	957
	S	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1
	S	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	3,240	3,240
	S	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	104	104
	S	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	25	25
	S	Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	1,626	1,626
	S	Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	1,626	1,626
	S	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	27	27
	S	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	3	3

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**WBK ENGINEERING LLC**  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

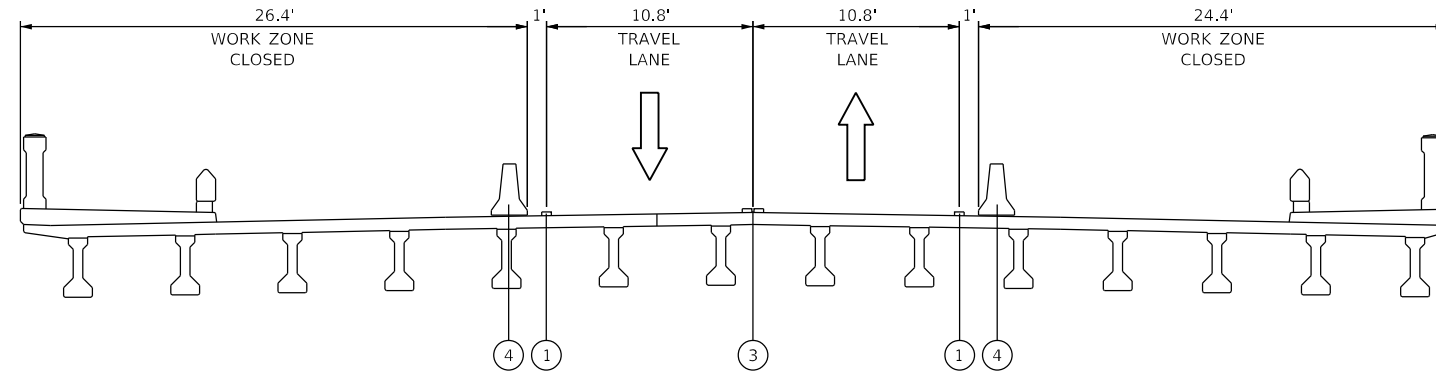
**IL RTE 72 OVER FOX RIVER  
SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

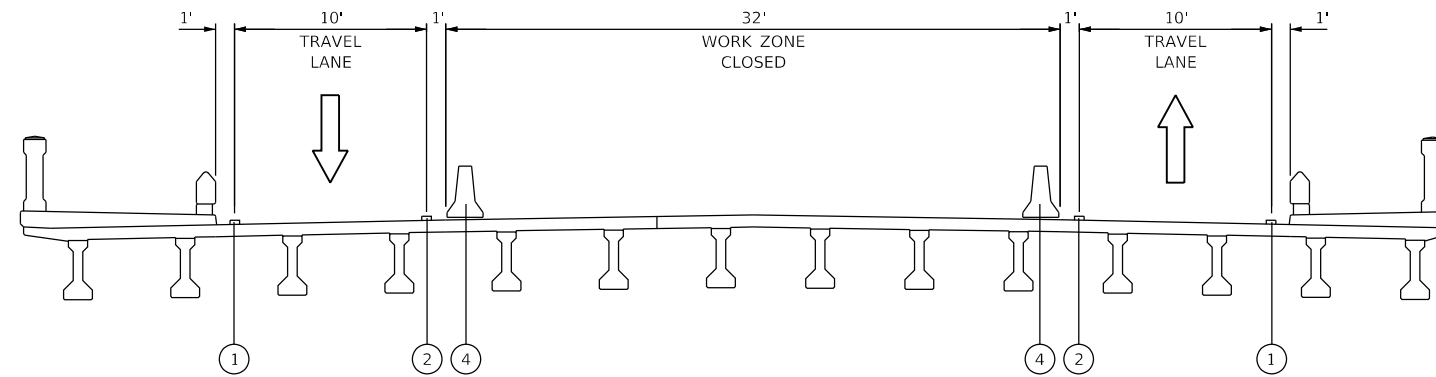
F.A.P. RTE. 341	SECTION 2019-059-BR	COUNTY KANE	TOTAL SHEETS 32	SHEET NO. 3
CONTRACT NO. 62136				
ILLINOIS FED. AID PROJECT				

REV-SEP





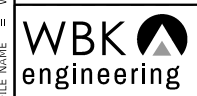
MAINTENANCE OF TRAFFIC - STAGE 1  
 STA. 327+86.2 TO STA. 330+32.75  
 (WORK ZONE)



MAINTENANCE OF TRAFFIC - STAGE 2  
 STA. 327+86.2 TO STA. 330+32.75  
 (WORK ZONE)

- LEGEND**
- ← DIRECTION OF TRAFFIC FLOW
  - ▭ TEMPORARY PAVEMENT MARKINGS
  - ① PVMT MARKING TAPE, TY IV, 4" WHITE
  - ② PVMT MARKING TAPE, TY IV, 4" YELLOW
  - ③ PVMT MARKING TAPE, TY IV, 4" (DOUBLE YELLOW)
  - ④ TEMPORARY CONCRETE BARRIER

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
 MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	5
CONTRACT NO.62J36				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC - GENERAL NOTES

1. SEE SPECIAL PROVISIONS TITLED TRAFFIC CONTROL PLAN.
2. THE CONTRACTOR SHALL REMOVE AND SAFELY STORE (FREE FROM THEFT OR DAMAGE) OR COVER ALL CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION. ALL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF CONSTRUCTION.
3. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:
  - A.) THE CONTRACTOR SHALL FURNISH ALL SIGNS.
  - B.) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION (SPECIAL) PAY ITEM. EXCEPT FOR TEMPORARY INFORMATION SIGNING AS NOTED ON THE PLANS.
4. ANY RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST BE REMOVED AS DIRECTED BY THE ENGINEER.
5. ALL TEMPORARY PAVEMENT MARKINGS DURING STAGED CONSTRUCTION SHALL BE PAVEMENT MARKING TAPE, TYPE IV OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS.
6. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR 2 APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS HAVE BEEN PROVIDED FOR EACH STAGE.
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL ENTRANCES FOR THE ENTIRE DURATION OF THE PROJECT UNLESS OTHERWISE SHOWN ON THE PLANS.
8. SIDE ROAD, INTERSECTIONS, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10, SIGNING FOR COMMERCIAL DRIVEWAYS SHALL FOLLOW DISTRICT DETAIL TC-26.
9. SHORT-TERM DAILY LANE CLOSURES WILL BE REQUIRED FOR INSTALLATION OF PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701311.
10. THE CONTRACTOR SHALL WATER BLAST ALL CONFLICTING PAVEMENT MARKINGS AND SHALL COVER ANY CONFLICTING SIGNS.
11. ALL TEMPORARY PAVEMENT MARKING TAPE AND TRAFFIC CONTROL SIGNAGE SHALL BE IN PLACE PRIOR TO BEGINNING ANY CONSTRUCTION.
12. CONTRACTOR SHALL UTILIZE IDOT HIGHWAY STANDARD 701602 FOR SINGLE LANE CLOSURE. ALL SIDE STREETS AND COMMERCIAL/PRIVATE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION OPERATIONS, UNLESS OTHERWISE NOTED.

SUGGESTED STAGING SEQUENCE

- STAGE 1
- WATER BLAST CONFLICTING PAVEMENT MARKINGS.
  - SET UP TEMPORARY STAGE 1 TRAFFIC CONTROL THROUGH THE PROJECT SITE AS SHOWN IN THE PLANS.
  - INSTALL THE TEMPORARY IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.
  - REMOVE CONFLICTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS.
  - MOVE TRAFFIC ONTO STAGE 1 LANE CONFIGURATION.
  - HYDROSCARIFICATION OF EXISTING DECK.
  - REMOVE AND REPLACE EXPANSION JOINT SEALS.
  - DECK SLAB REPAIRER IN RAISED PAVEMENT MARKER AREAS.
  - STRUCTURAL CONCRETE REPAIR OF THE EAST END OF BRIDGE DECK NEAR EXPANSION JOINT.
  - BRIDGE DECK POLYMER OVERLAY.
  - CLEAN AND RESEAL RELIEF JOINTS.
  - CLEAN AND PAINT STEEL COMPONENTS OF EXISTING BEARINGS.
  - CLEAN AND APPLY CONCRETE SEALER TO ABUTMENT SEATS.

- STAGE 2
- WATER BLAST CONFLICTING PAVEMENT MARKINGS.
  - SET UP TEMPORARY STAGE 1 TRAFFIC CONTROL THROUGH THE PROJECT SITE AS SHOWN IN THE PLANS.
  - THE TEMPORARY CONCRETE BARRIER FROM STAGE 1 SHALL BE RELOCATED AND UTILIZED IN STAGE 2.
  - INSTALL THE TEMPORARY IMPACT ATTENUATORS AT THE LOCATIONS SHOWN IN THE PLANS.
  - REMOVE CONFLICTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS.
  - MOVE TRAFFIC ONTO STAGE 2 LANE CONFIGURATION.
  - HYDROSCARIFICATION OF EXISTING DECK.
  - REMOVE AND REPLACE EXPANSION JOINT SEALS.
  - DECK SLAB REPAIRER IN RAISED PAVEMENT MARKER AREAS.
  - STRUCTURAL CONCRETE REPAIR OF THE EAST END OF BRIDGE DECK NEAR EXPANSION JOINT.
  - BRIDGE DECK POLYMER OVERLAY.
  - CLEAN AND RESEAL RELIEF JOINTS.
  - CLEAN AND PAINT STEEL COMPONENTS OF EXISTING BEARINGS.
  - CLEAN AND APPLY CONCRETE SEALER TO ABUTMENT SEATS.

- PUNCHLIST ITEMS
- REMOVE ALL TEMPORARY PAVEMENT MARKINGS AND REPLACE WITH SHORT-TERM PAVEMENT MARKINGS.
  - REPLACE ALL SHORT-TERM PAVEMENT MARKINGS WITH PERMANENT PAVEMENT MARKINGS AND SIGNAGE. THE WORK SHALL BE COMPLETED UNDER IDOT STD. 701311, 701427, AND 701602.
  - REMOVE REMAINING TRAFFIC CONTROL DEVICES AND SIGNAGE AND OPEN ALL LANES TO TRAFFIC.

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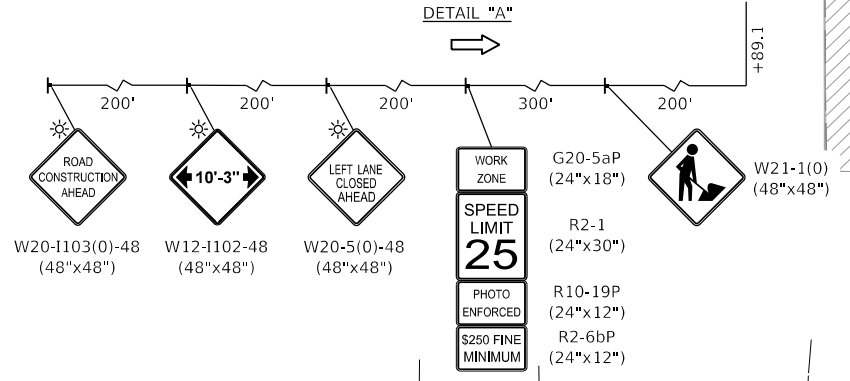
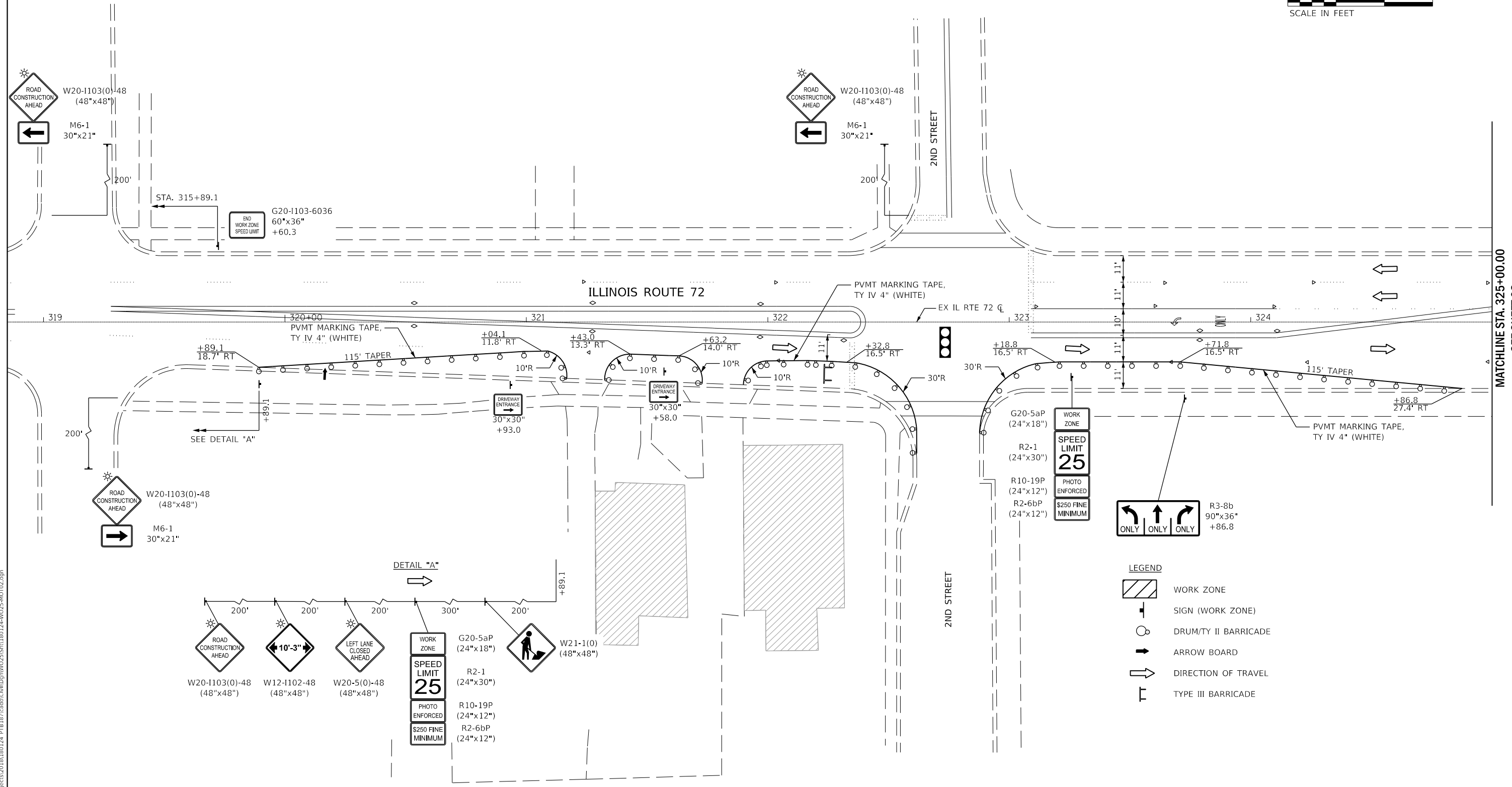
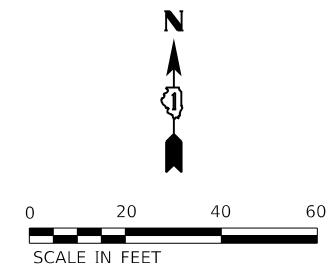
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL RTE 72 OVER FOX RIVER MAINTENANCE OF TRAFFIC GENERAL NOTES</b>			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	6
CONTRACT NO.62136				
		ILLINOIS	FED. AID PROJECT	



**LEGEND**

- WORK ZONE
- SIGN (WORK ZONE)
- DRUM/TY II BARRICADE
- ARROW BOARD
- DIRECTION OF TRAVEL
- TYPE III BARRICADE

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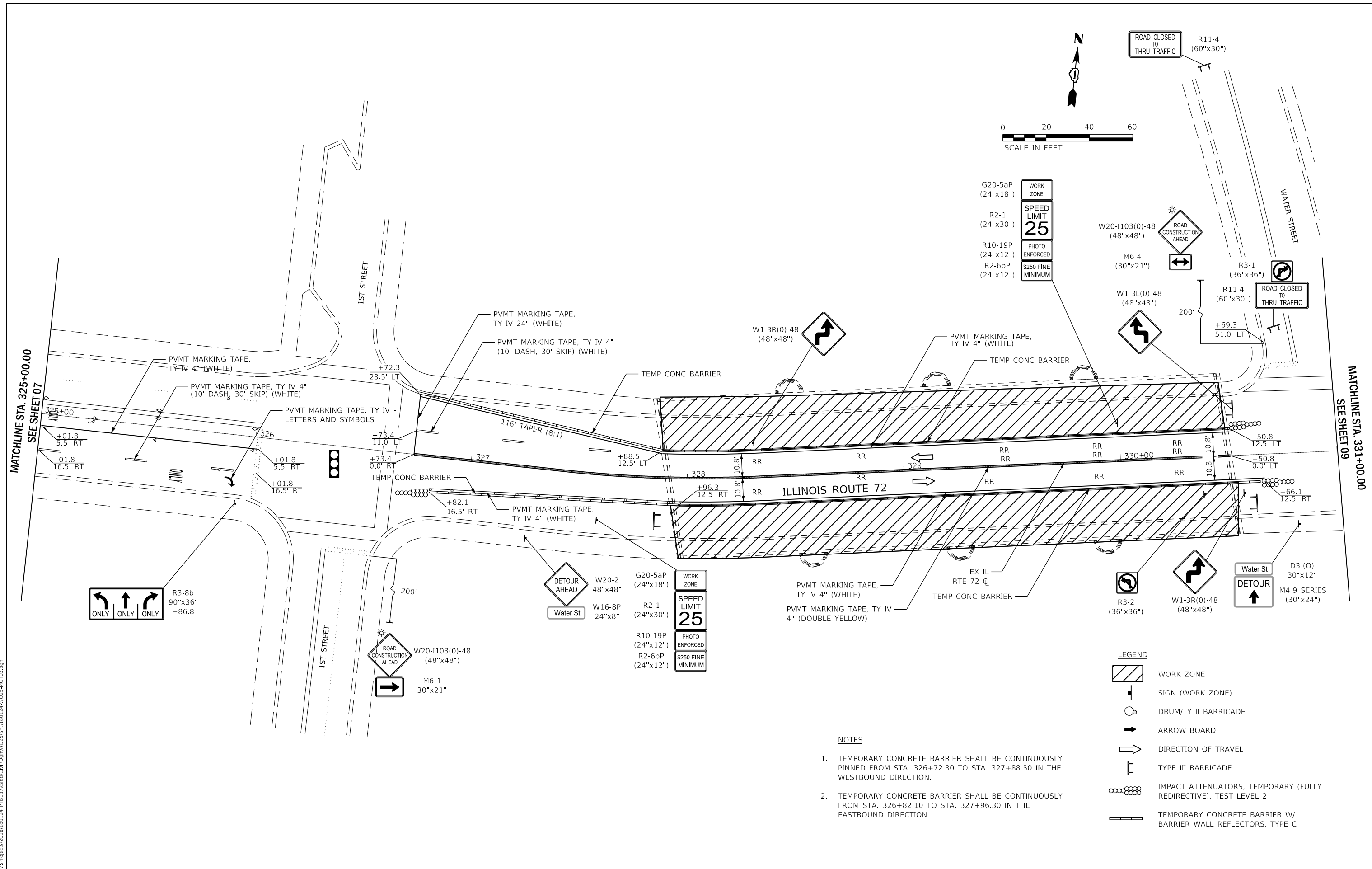
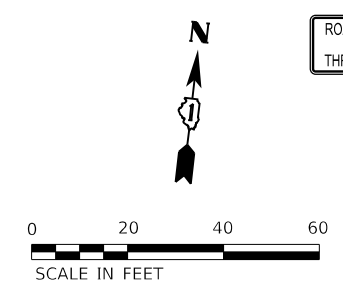
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
 MAINTENANCE OF TRAFFIC - STAGE 1**

SCALE: AS SHOWN    SHEET 1 OF 4 SHEETS    STA. 320+00.00 TO STA. 325+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	7
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 325+00.00  
SEE SHEET 08



- TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED FROM STA. 326+72.30 TO STA. 327+88.50 IN THE WESTBOUND DIRECTION.
- TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED FROM STA. 326+82.10 TO STA. 327+96.30 IN THE EASTBOUND DIRECTION.

**LEGEND**

- WORK ZONE
- SIGN (WORK ZONE)
- DRUM/TY II BARRICADE
- ARROW BOARD
- DIRECTION OF TRAVEL
- TYPE III BARRICADE
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C

**WBK engineering**  
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	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

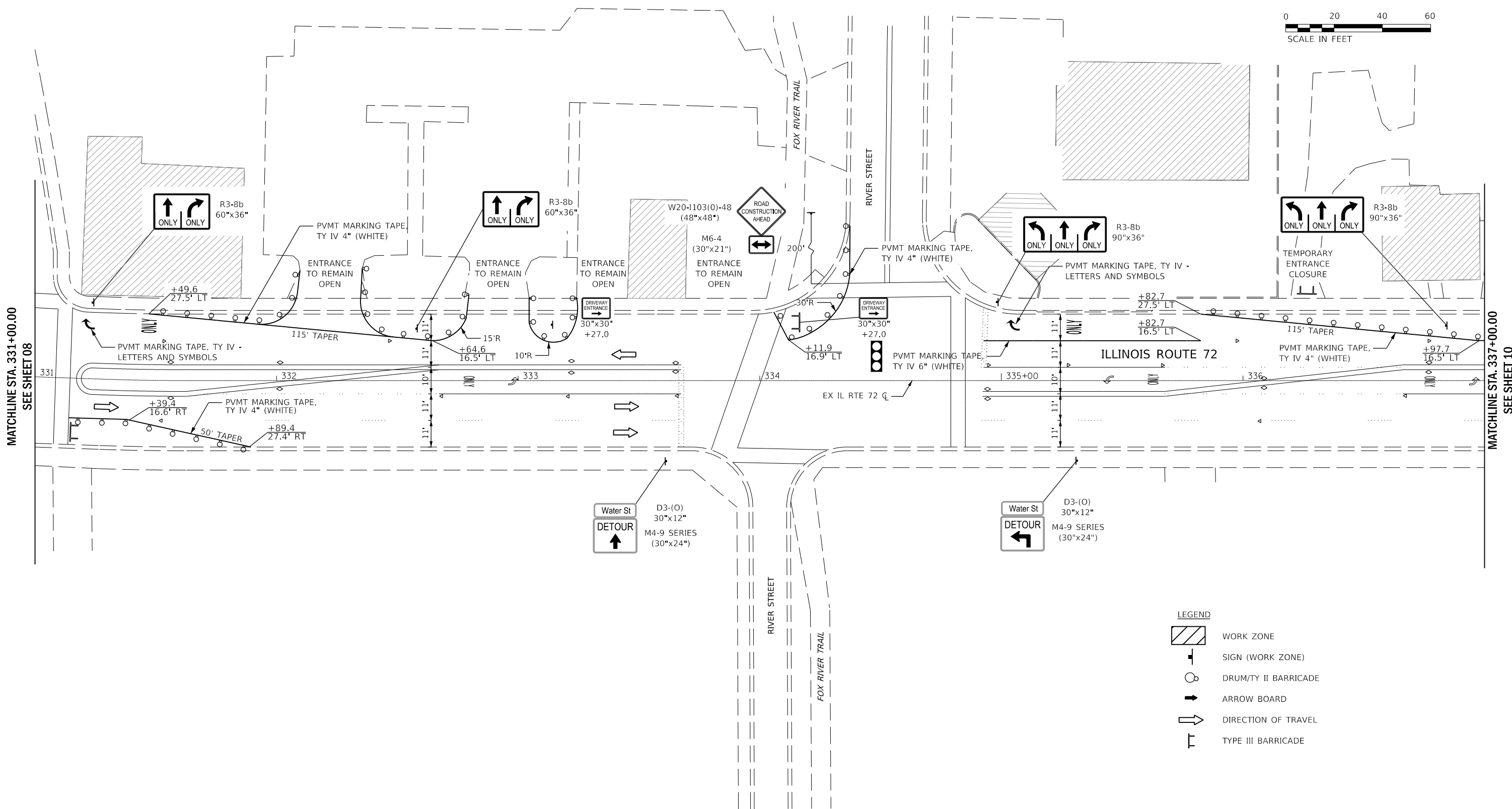
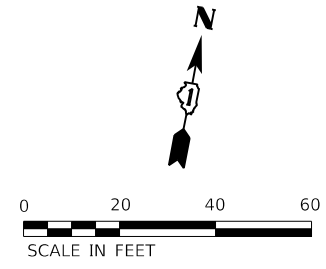
**IL RTE 72 OVER FOX RIVER  
 MAINTENANCE OF TRAFFIC - STAGE 1**

SCALE: AS SHOWN    SHEET 2 OF 4 SHEETS    STA. 325+00.00 TO STA. 331+00.00

F.A.P. RTE. 341	SECTION 2019-059-BR	COUNTY KANE	TOTAL SHEETS 32	SHEET NO. 8
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\Civil\Drawings\W025\SNV\180124+W025-MOT03.dgn





MATCHLINE STA. 331+00.00  
SEE SHEET 08

MATCHLINE STA. 337+00.00  
SEE SHEET 10

- LEGEND**
- WORK ZONE
  - SIGN (WORK ZONE)
  - DRUM/TY II BARRICADE
  - ARROW BOARD
  - DIRECTION OF TRAVEL
  - TYPE III BARRICADE

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\Civil\Dgn\W025\SHV\180124+W025-HOTD.dgn

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 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - YOO	REVISED -
	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
MAINTENANCE OF TRAFFIC - STAGE 1**

SCALE: AS SHOWN    SHEET 3 OF 3 SHEETS    STA. 331+00.00 TO STA. 337+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	9
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

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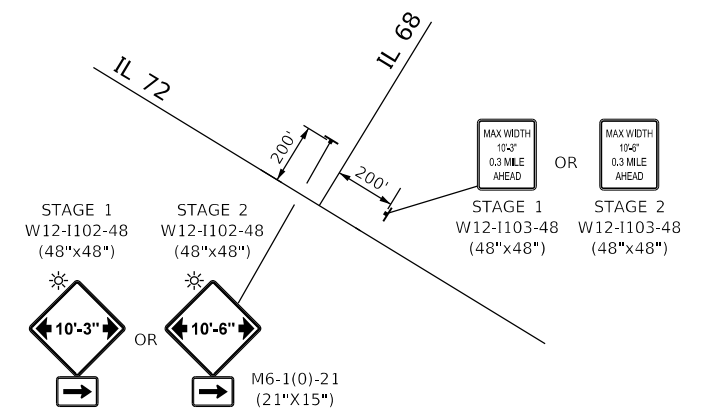
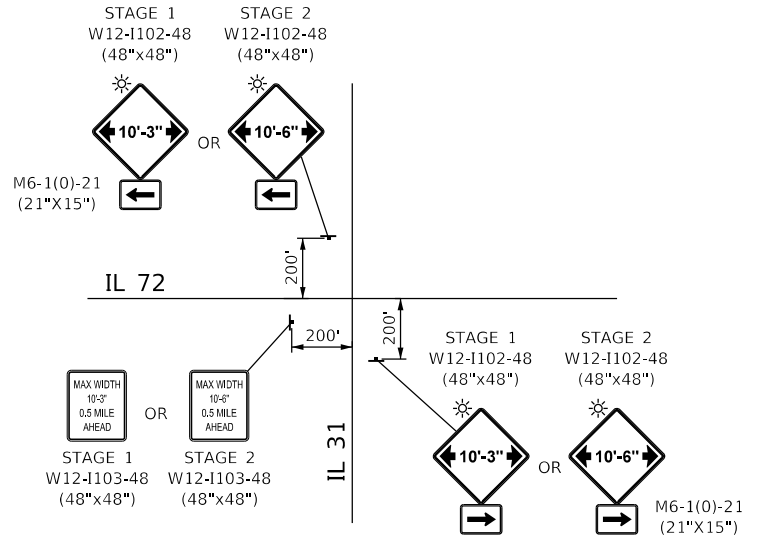
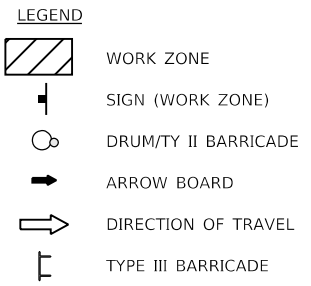
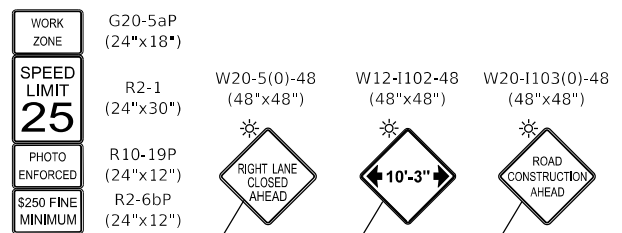
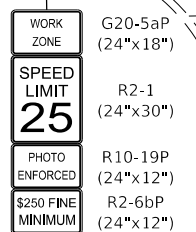
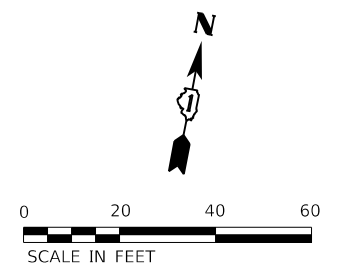
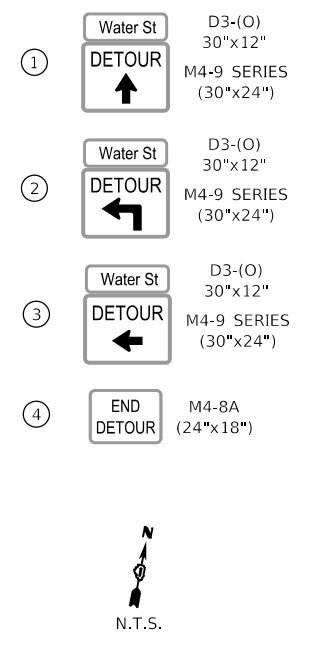
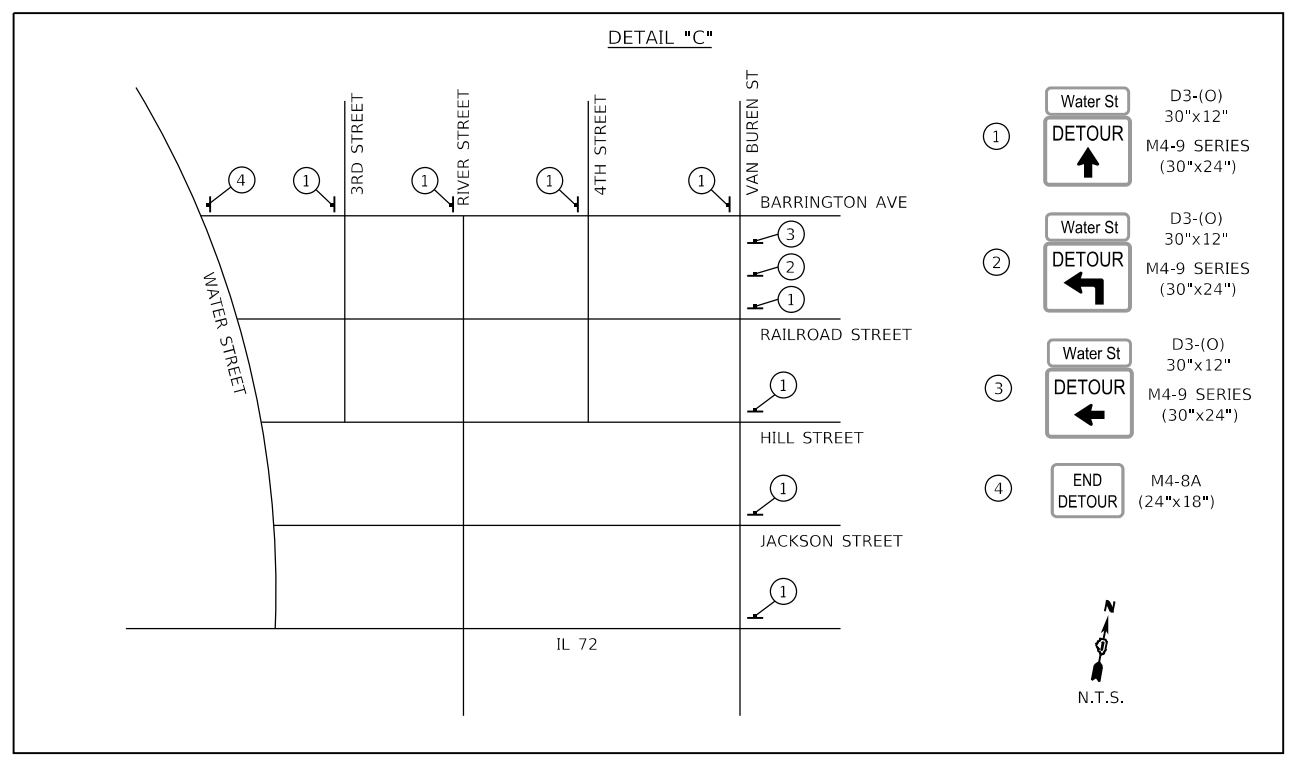
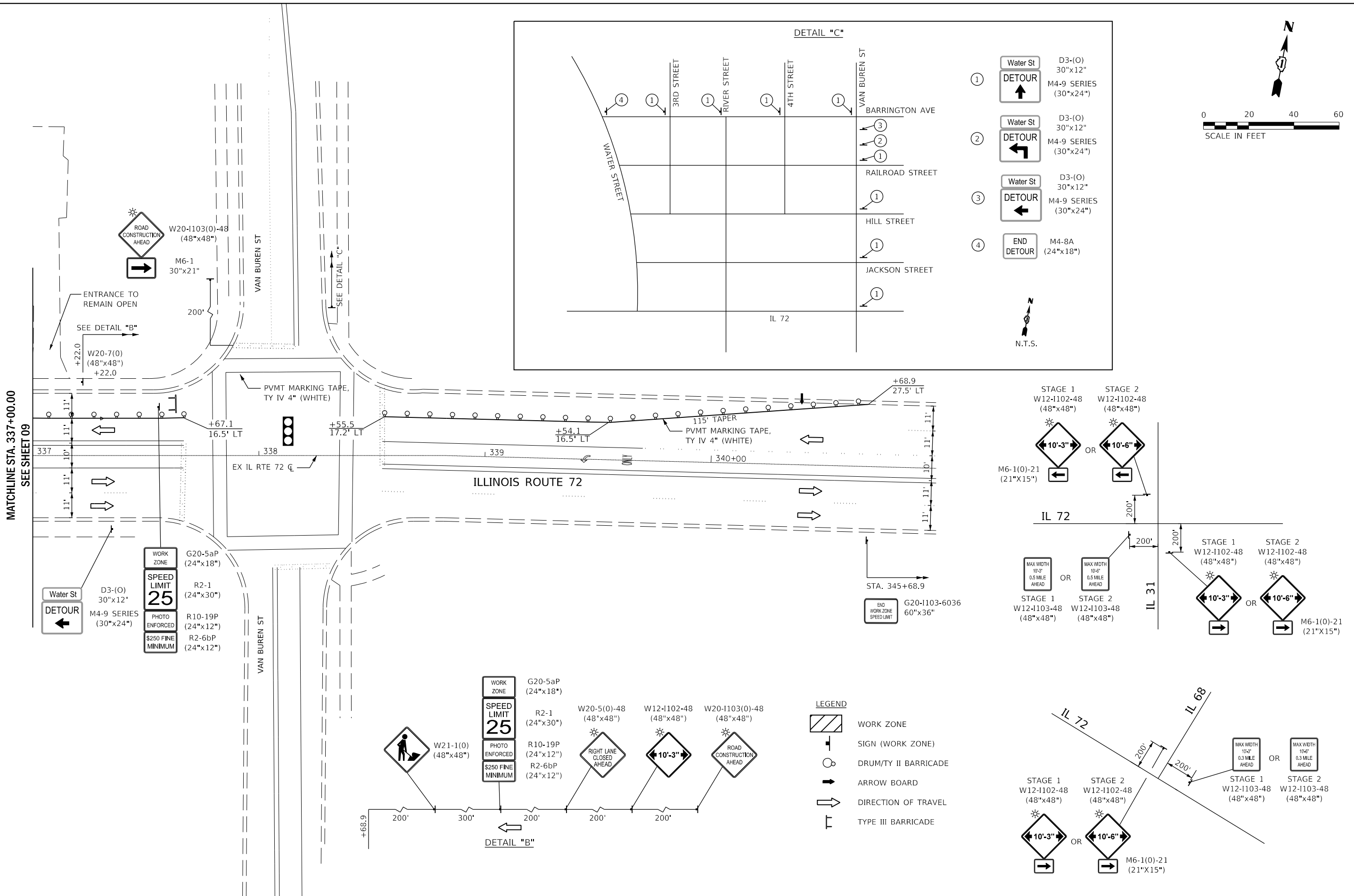
**WBK engineering**  
 WBKENGINEERING LLC  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - SBP	REVISED -
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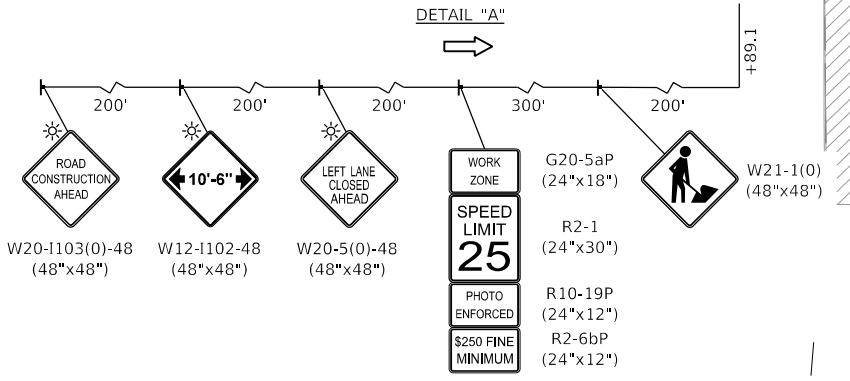
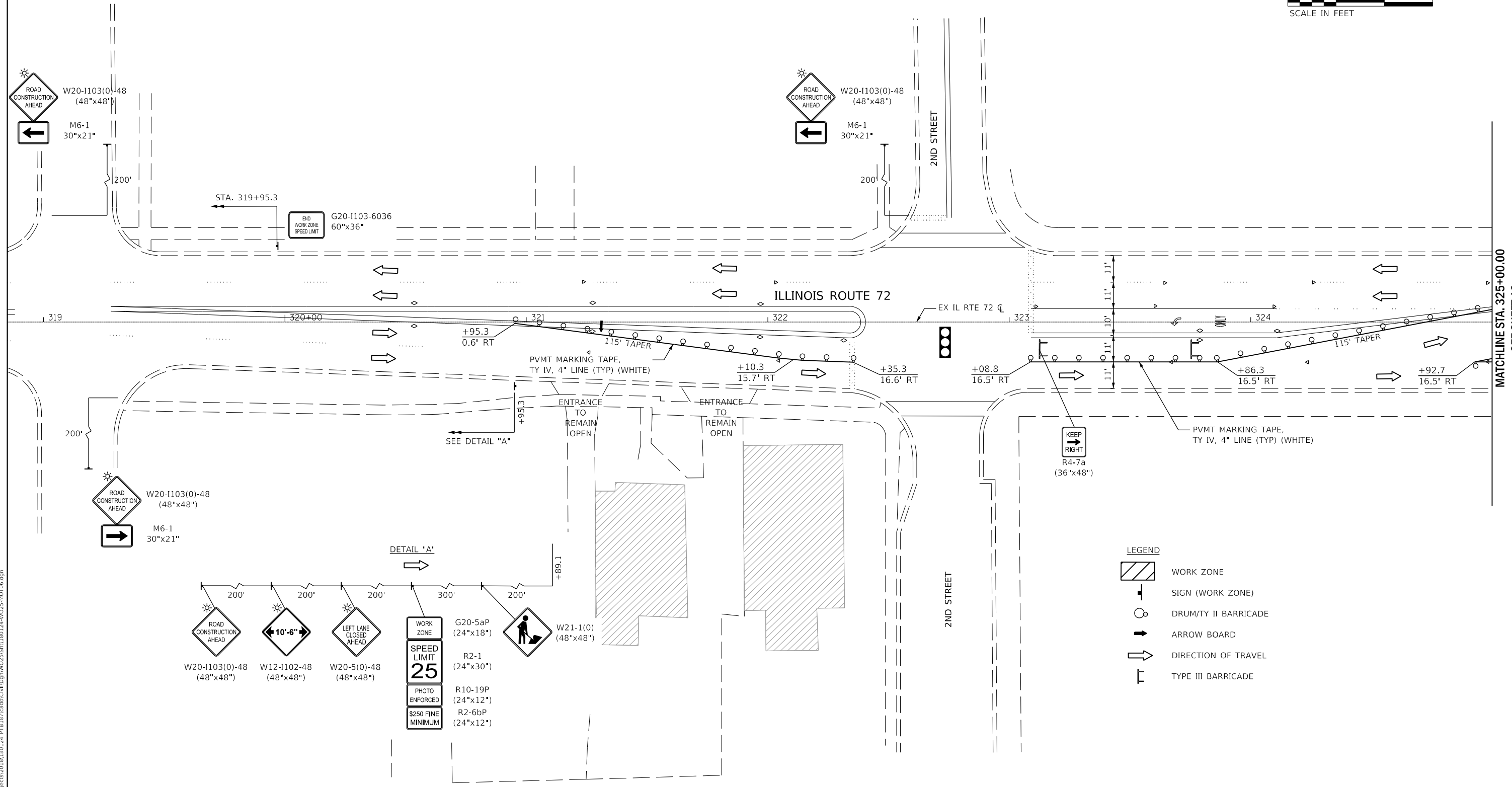
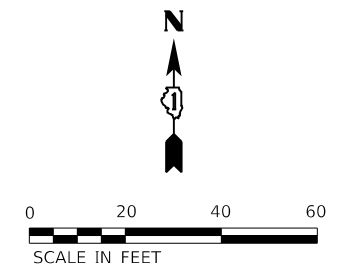
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL RTE 72 OVER FOX RIVER    MAINTENANCE OF TRAFFIC - STAGE 1</b>			
SCALE: AS SHOWN	SHEET 3	OF 3 SHEETS	STA. 332+00.00 TO STA. 338+00.00

F.A.P. RTE. 341	SECTION 2019-059-BR	COUNTY KANE	TOTAL SHEETS 32	SHEET NO. 10
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				



DETAIL "B"



- LEGEND**
- WORK ZONE
  - SIGN (WORK ZONE)
  - DRUM/TY II BARRICADE
  - ARROW BOARD
  - DIRECTION OF TRAVEL
  - TYPE III BARRICADE

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\W025\SHV180124-W025-H0706.dgn

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USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - YOO	REVISED -
	DATE - 01/30/2020	REVISED -

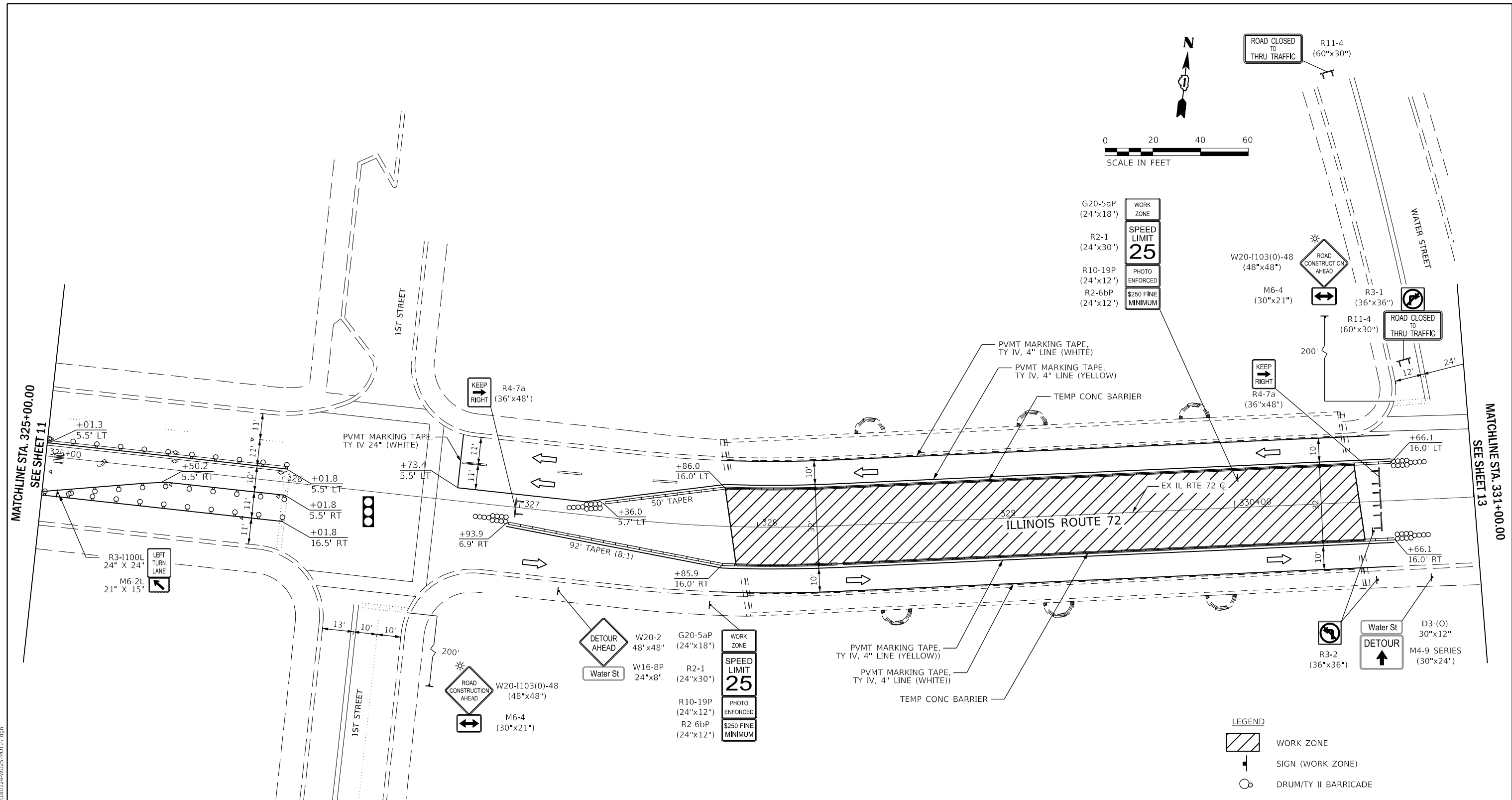
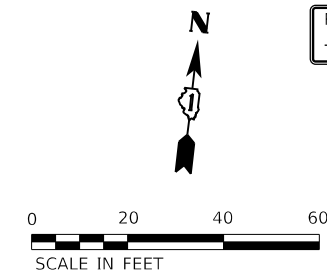
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
 MAINTENANCE OF TRAFFIC - STAGE 2**

SCALE: AS SHOWN    SHEET 1 OF 4 SHEETS    STA. 320+00.00 TO STA. 325+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	11
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 325+00.00  
SEE SHEET 12



MATCHLINE STA. 325+00.00  
SEE SHEET 11

MATCHLINE STA. 331+00.00  
SEE SHEET 13

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\Civil\Dgn\W025\SNV\180124-W025-MOT07.dgn

**NOTES**

- TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED FROM STA. 326+93.90 TO STA. 327+85.90 AND FROM STA. 330+50.64 TO STA. 330+66.10 IN THE EASTBOUND DIRECTION.
- TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED FROM STA. 327+36.00 TO STA. 327+86.00 AND FROM STA. 330+50.64 TO STA. 330+66.10 IN THE WESTBOUND DIRECTION.

**LEGEND**

- WORK ZONE
- SIGN (WORK ZONE)
- DRUM/TY II BARRICADE
- ARROW BOARD
- DIRECTION OF TRAVEL
- TYPE III BARRICADE
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C

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ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

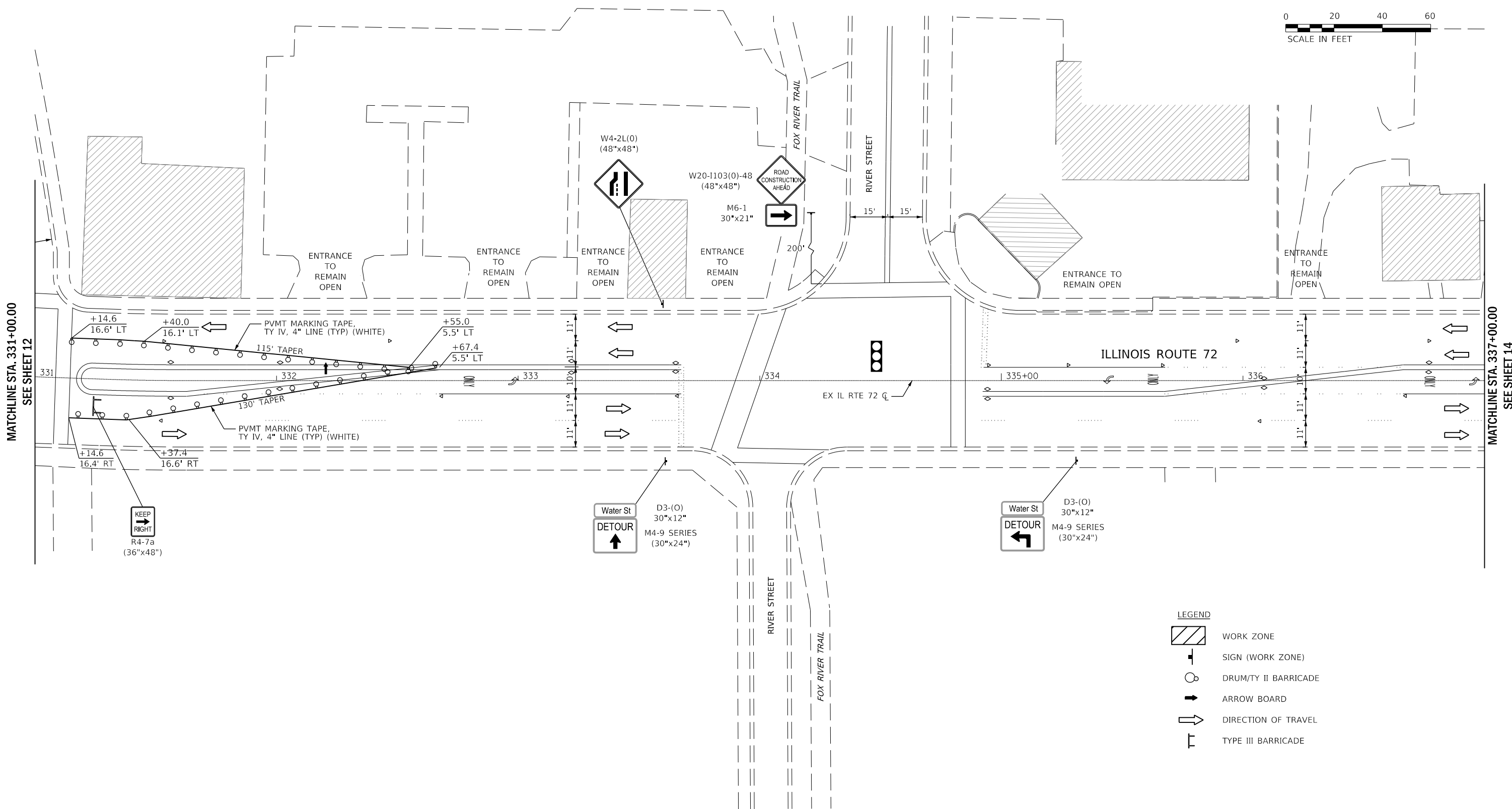
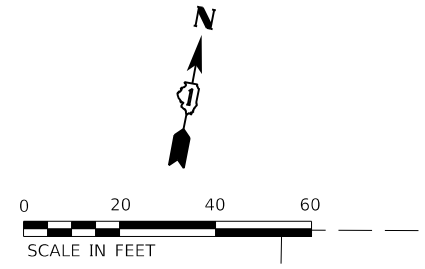
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	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
MAINTENANCE OF TRAFFIC - STAGE 2**

SCALE: AS SHOWN SHEET 2 OF 4 SHEETS STA. 325+00.00 TO STA. 331+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	12
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK ZONE
  - SIGN (WORK ZONE)
  - DRUM/TY II BARRICADE
  - ARROW BOARD
  - DIRECTION OF TRAVEL
  - TYPE III BARRICADE

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 WBK engineering

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 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - YOO	REVISED -
	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL RTE 72 OVER FOX RIVER</b> <b>MAINTENANCE OF TRAFFIC - STAGE 2</b>			
SCALE: AS SHOWN	SHEET 3	OF 4 SHEETS	STA. 331+00.00 TO STA. 337+00.00

F.A.P. RTE. 341	SECTION 2019-059-BR	COUNTY KANE	TOTAL SHEETS 32	SHEET NO. 13
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

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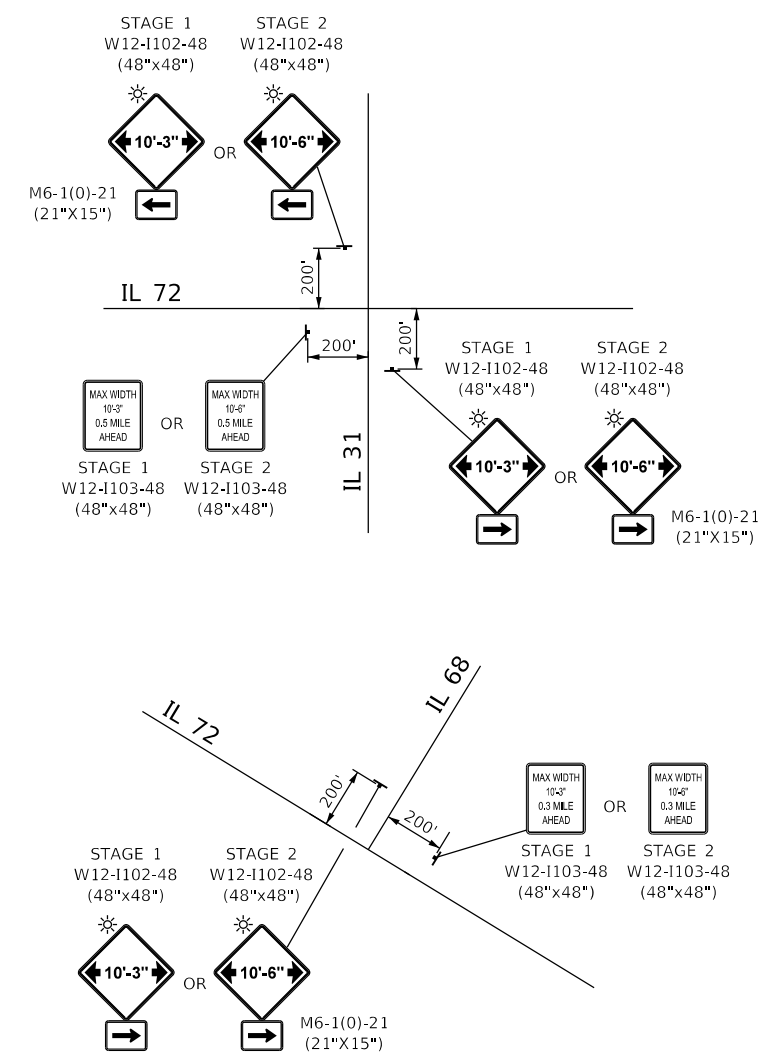
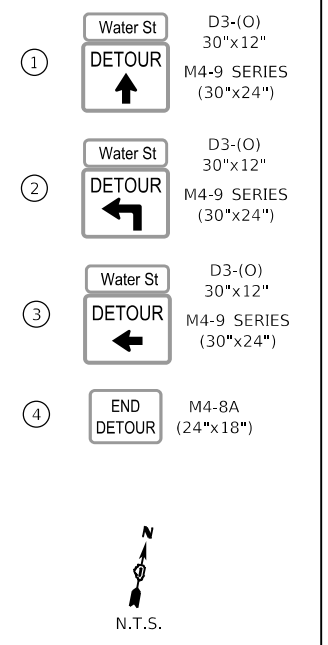
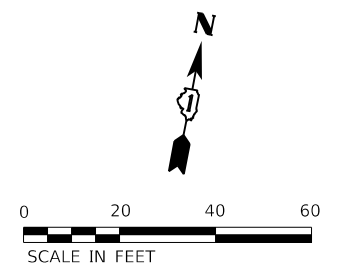
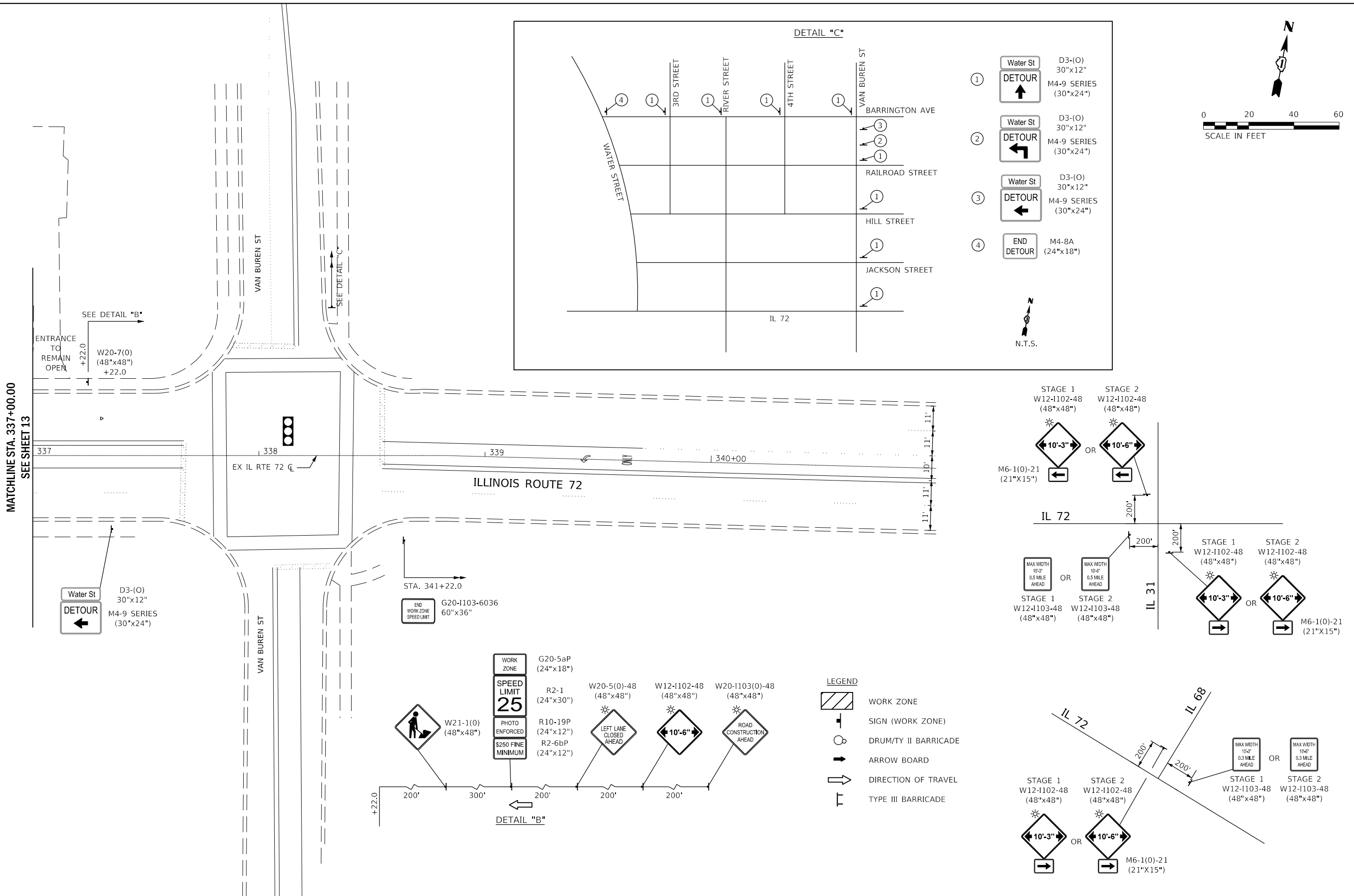
**WBK engineering**  
**WBKENGINEERING LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

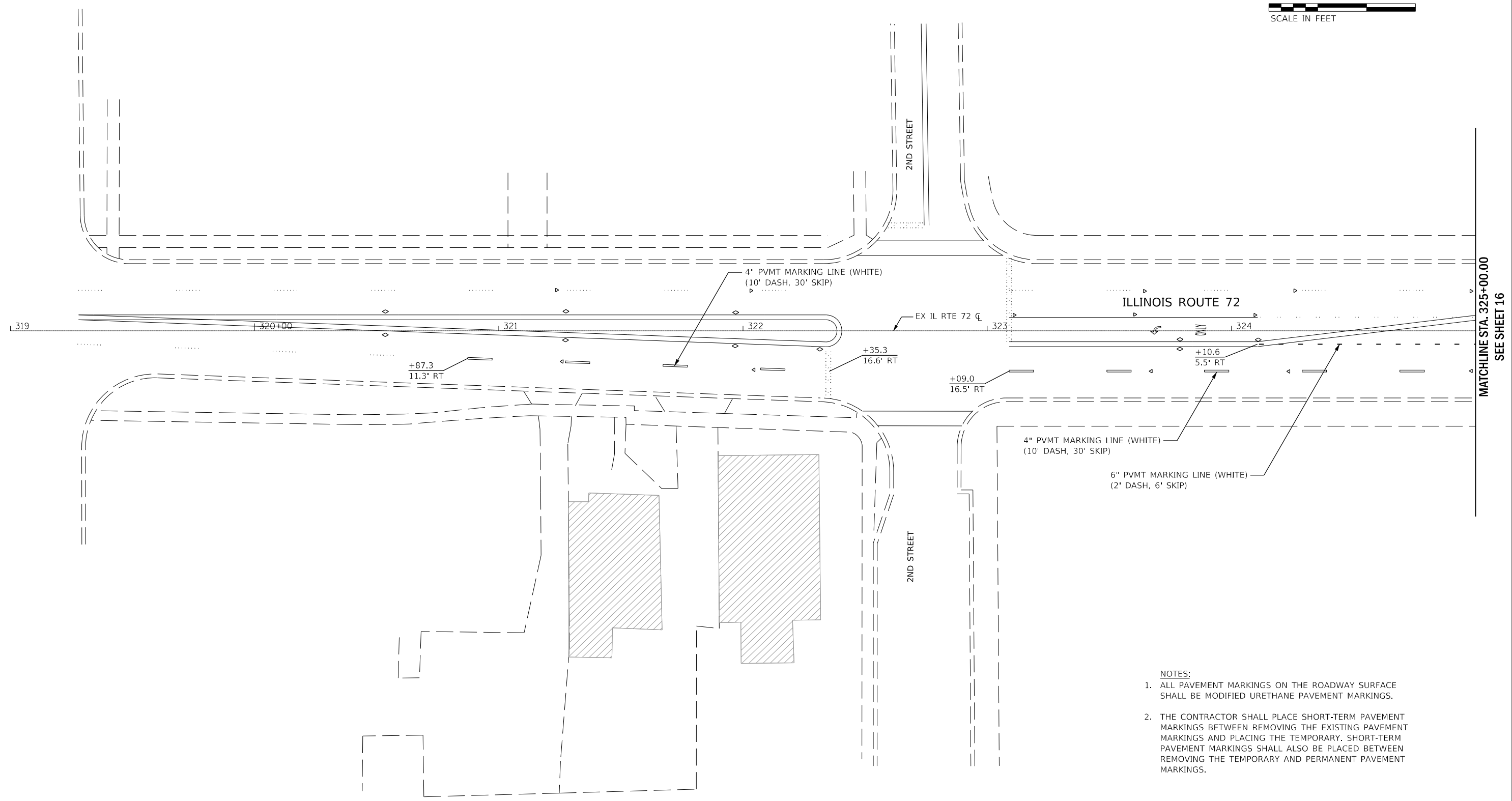
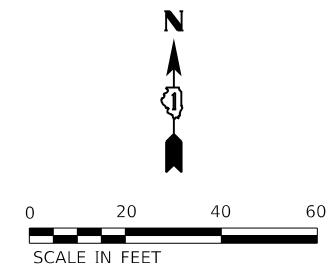
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PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - YOO	REVISED -
	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL RTE 72 OVER FOX RIVER    MAINTENANCE OF TRAFFIC - STAGE 2</b>			
SCALE: AS SHOWN	SHEET 4	OF 4 SHEETS	STA. 337+00.00 TO STA. 341+00.00

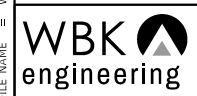
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	14
CONTRACT NO.62J36				
ILLINOIS FED. AID PROJECT				





- NOTES:**
1. ALL PAVEMENT MARKINGS ON THE ROADWAY SURFACE SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS.
  2. THE CONTRACTOR SHALL PLACE SHORT-TERM PAVEMENT MARKINGS BETWEEN REMOVING THE EXISTING PAVEMENT MARKINGS AND PLACING THE TEMPORARY. SHORT-TERM PAVEMENT MARKINGS SHALL ALSO BE PLACED BETWEEN REMOVING THE TEMPORARY AND PERMANENT PAVEMENT MARKINGS.

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\Civil\Drawings\180124-WO25-PMK01.dgn



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 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
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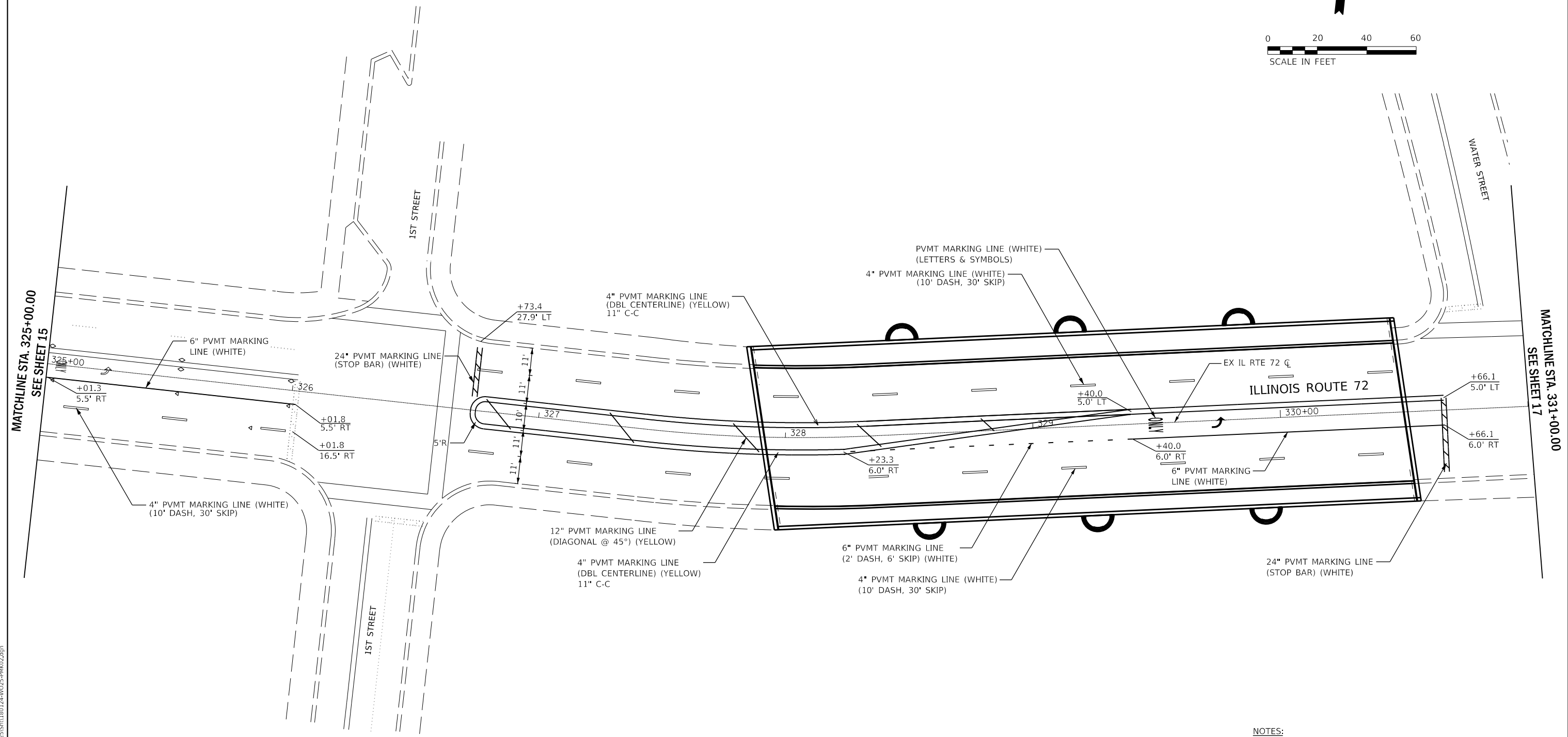
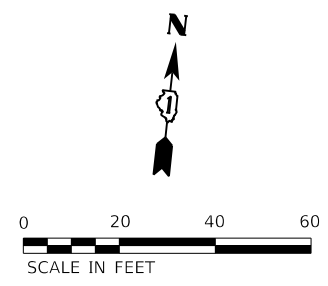
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER**  
**PAVEMENT MARKING PLAN**

SCALE: AS SHOWN    SHEET 1    OF 4    SHEETS    STA. 320+00.00    TO STA. 325+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	15
CONTRACT NO.62136				

ILLINOIS FED. AID PROJECT



- NOTES:**
1. ALL PAVEMENT MARKINGS ON THE ROADWAY SURFACE SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS.
  2. THE CONTRACTOR SHALL PLACE SHORT-TERM PAVEMENT MARKINGS BETWEEN REMOVING THE EXISTING PAVEMENT MARKINGS AND PLACING THE TEMPORARY. SHORT-TERM PAVEMENT MARKINGS SHALL ALSO BE PLACED BETWEEN REMOVING THE TEMPORARY AND PERMANENT PAVEMENT MARKINGS.

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\Civil\Drawings\W025\SH\180124+W025-PMK02.dgn

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 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 1/30/2020	CHECKED - YOO	REVISED -
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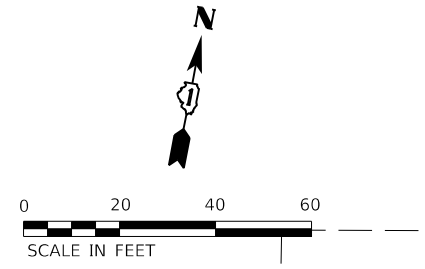
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER**  
**PAVEMENT MARKING PLAN**

SCALE: AS SHOWN    SHEET 2    OF 4    SHEETS    STA. 325+00.00    TO STA. 331+00.00

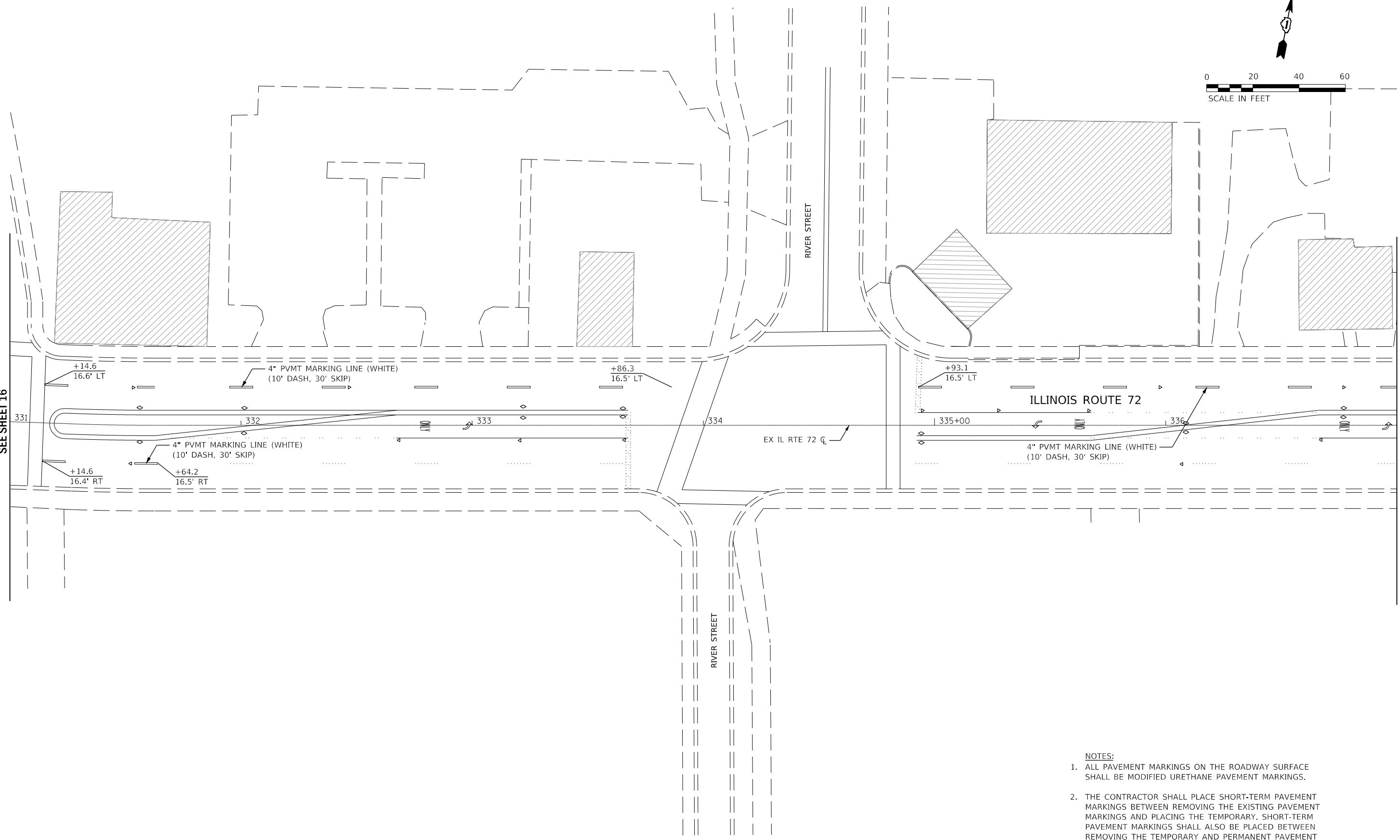
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	16
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				





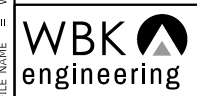
MATCHLINE STA. 331+00.00  
SEE SHEET 16

MATCHLINE STA. 337+00.00  
SEE SHEET 18



- NOTES:**
1. ALL PAVEMENT MARKINGS ON THE ROADWAY SURFACE SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS.
  2. THE CONTRACTOR SHALL PLACE SHORT-TERM PAVEMENT MARKINGS BETWEEN REMOVING THE EXISTING PAVEMENT MARKINGS AND PLACING THE TEMPORARY. SHORT-TERM PAVEMENT MARKINGS SHALL ALSO BE PLACED BETWEEN REMOVING THE TEMPORARY AND PERMANENT PAVEMENT MARKINGS.

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**WBK ENGINEERING LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

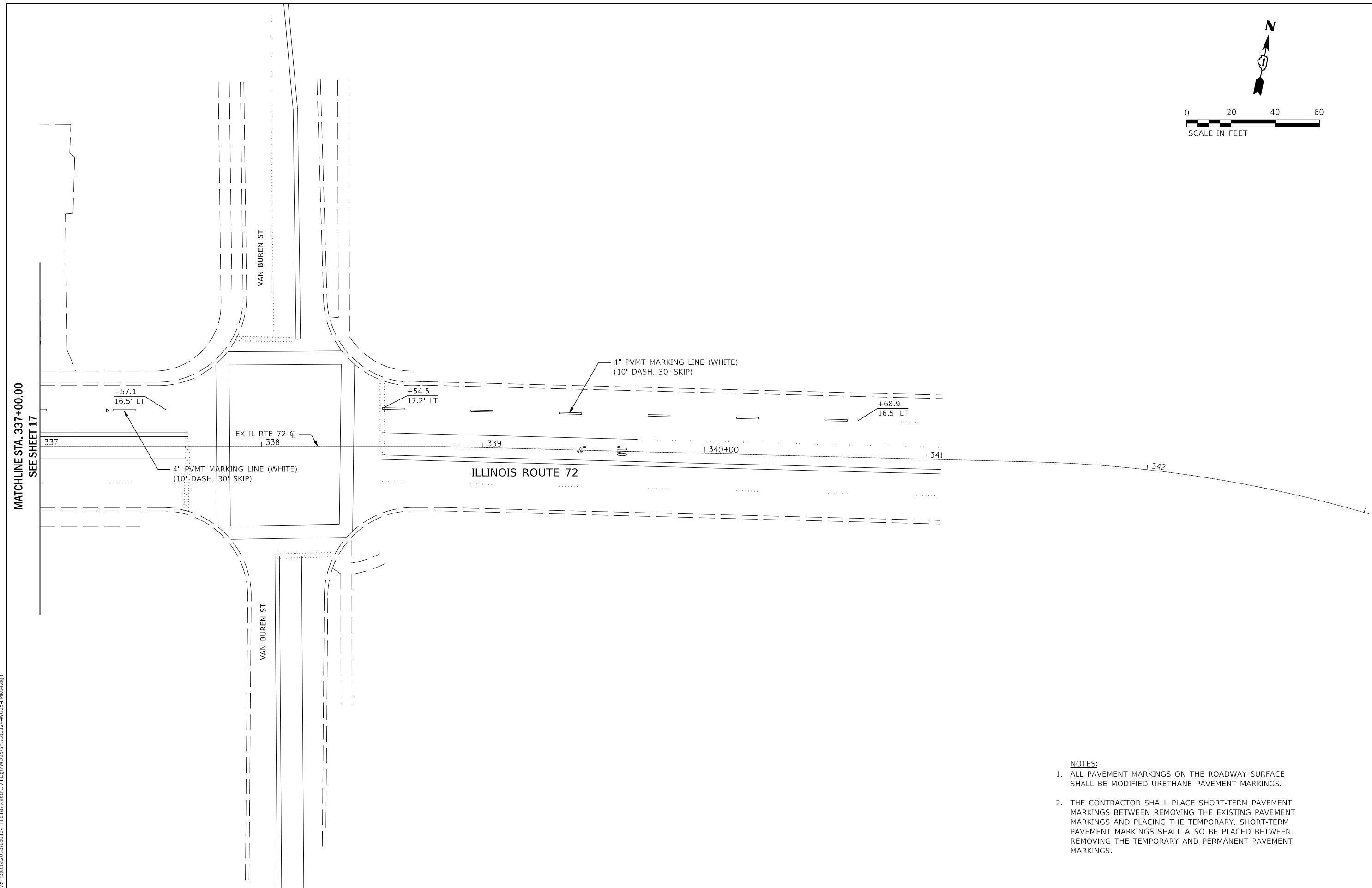
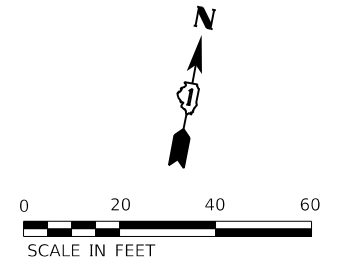
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PLOT DATE = 1/30/2020	CHECKED - YOO	REVISED -
	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
PAVEMENT MARKING PLAN**

SCALE: AS SHOWN    SHEET 3    OF 4    SHEETS    STA. 331+00.00    TO STA. 337+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	17
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 337+00.00  
SEE SHEET 17

- NOTES:**
1. ALL PAVEMENT MARKINGS ON THE ROADWAY SURFACE SHALL BE MODIFIED URETHANE PAVEMENT MARKINGS.
  2. THE CONTRACTOR SHALL PLACE SHORT-TERM PAVEMENT MARKINGS BETWEEN REMOVING THE EXISTING PAVEMENT MARKINGS AND PLACING THE TEMPORARY. SHORT-TERM PAVEMENT MARKINGS SHALL ALSO BE PLACED BETWEEN REMOVING THE TEMPORARY AND PERMANENT PAVEMENT MARKINGS.

FILE NAME = W:\Projects\2018\180124\_PTB\187\cadd\Civil\Dgn\W025\SHV\180124+W025-PMK04.dgn

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 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = rsikes	DESIGNED - RMS	REVISED -
PLOT SCALE = 1:40	DRAWN - RMS	REVISED -
PLOT DATE = 1/30/2020	CHECKED - SBP	REVISED -
	DATE - 01/30/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL RTE 72 OVER FOX RIVER  
PAVEMENT MARKING PLAN**

SCALE: AS SHOWN    SHEET 4 OF 4 SHEETS    STA. 332+00.00 TO STA. 338+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	18
CONTRACT NO.62J36				
ILLINOIS FED. AID PROJECT				

\* Benchmark: B.M. Sta. 328+03, 30' Rt., Standard tablet "89A1922"; base of lamp pedestal, W. end of bridge railing, Elev. 727.14

Existing Structure: S.N. 045-2016 was constructed in 1996 under section T(1,2) RS-2 & TWP-B-R. The existing structure is a four-span precast concrete I-beam bridge with 7 1/2" concrete deck supported on spill-thru abutments and piers. The bridge measures 261'-4 1/4" back-to-back abutments and 74'-4" out-to-out of bridge deck. The bridge roadway measures 56'-0" face-to-face of barriers.

Traffic: One-lane traffic each direction is to be maintained utilizing stage construction. See MOT Plans.

No Salvage.

**SCOPE OF WORK**

1. Hydroscarification 3/8 inch of existing deck.
2. Bridge deck polymer overlay.
3. Remove and replace existing joint seal at expansion joints and overlook joints.
4. Structural repair of concrete (depth equal to or less than 5 inches).
5. Apply concrete sealer to abutment seats.
6. Apply concrete sealer to sidewalks, railings including brick faces.
7. Deck slab repair in raised pavement marker areas.
8. Clean and paint steel components of elastomeric bearings.
9. Recaulk joints in Kansas corral railing.

**DESIGN SPECIFICATIONS (EXIST.)**

1992 AASHTO with 1993 & 1994 Interims

**DESIGN STRESSES**

**FIELD UNITS (EXIST.)**

f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)  
 fy = 36,000 psi (Structural Steel, M270 Grade 36)

**FIELD UNITS (PROP.)**

f'c = 4,000 psi

**PRECAST PRESTRESSED UNITS (EXIST.)**

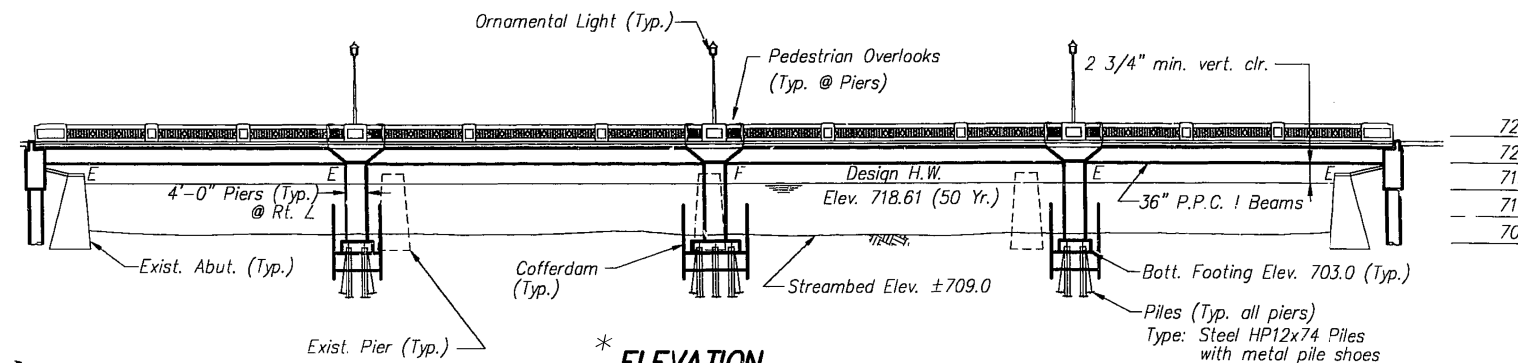
f'c = 6,000 psi  
 f'ci = 5,000 psi  
 f's = 270,000 psi (0.5" O low relax strands)  
 f'si = 201,960 psi (0.5" O low relax strands)

**LOADING HS-20 (EXIST.)**

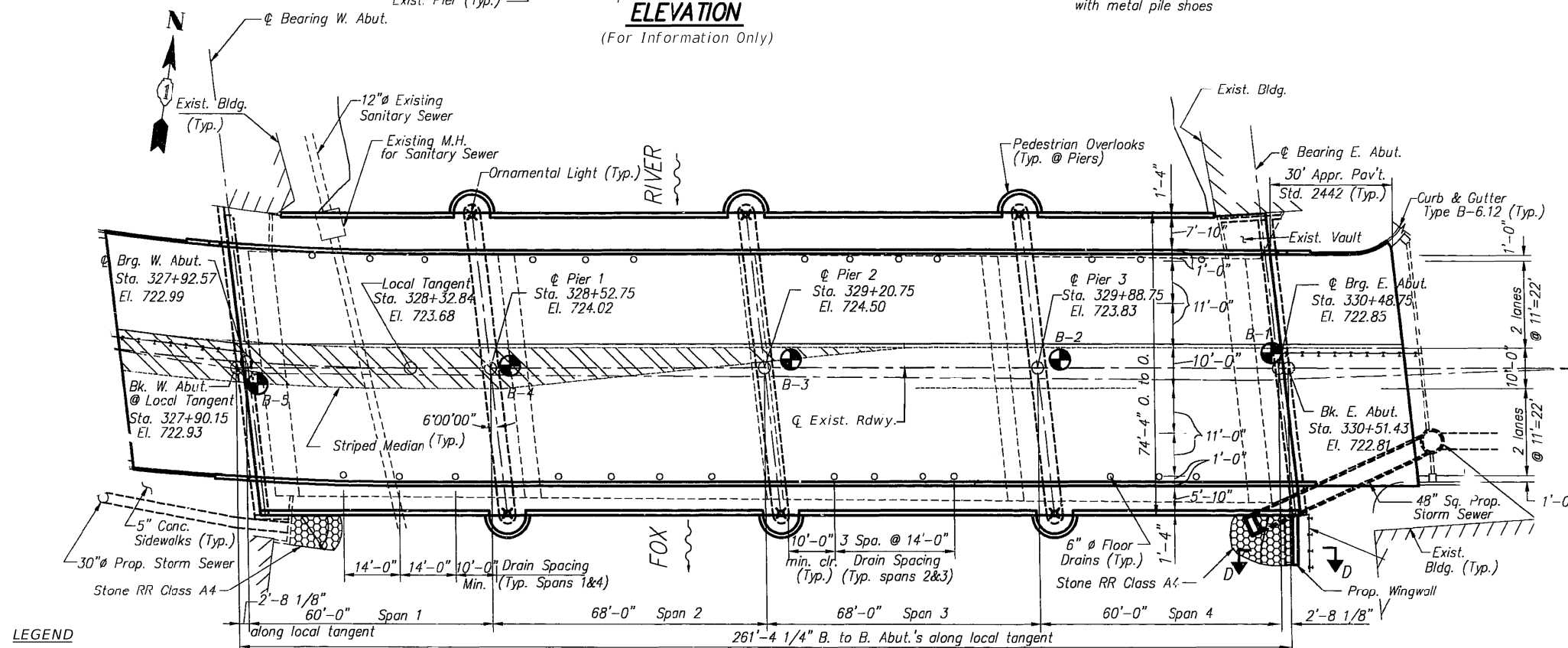
Allow 25#/sq. ft. for future wearing surface.

**SEISMIC DATA (EXIST.)**

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 S = 1.0

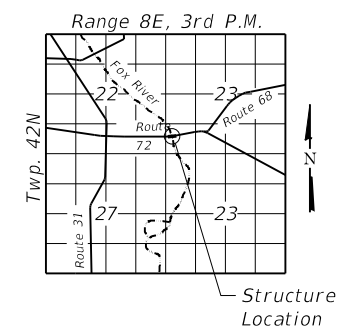


**\* ELEVATION**  
(For Information Only)



**\* PLAN**  
(For Information Only)

\*Existing Benchmark, General Plan and Elevation taken from As-Built Drawings dated September 8th, 1995.



**LOCATION SKETCH**



SIGNED: *Jiahong Zuo*  
 DATE: 01/29/2020  
 LICENSE EXPIRES: 11/30/2020

**GENERAL PLAN & ELEVATION  
 IL ROUTE 72 OVER FOX RIVER**

**F.A.P. ROUTE 341**

**2019-059-BR**

**KANE COUNTY**

**STATION 329+20.75**

**STRUCTURE NO. 045-2016**

FILE NAME = W:\Projects\2019\180124\_PTB187\cadd\Structural\02p1\01-0452016-GPE.dgn



USER NAME = rsikes	DESIGNED - JMM	REVISED -
PLOT SCALE = 1:32	CHECKED - JZ	REVISED -
PLOT DATE = 1/30/2020	DRAWN - JG	REVISED -
	CHECKED - JZ	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION  
 STRUCTURE NO. 045-2016**

SHEET NO. 1 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	19
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

The original bridge drawings for S.N. 045-2016 are dated 1995 and will be made available to the Contractor upon request.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify all 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.

Joint opening shall be adjusted according to Article 520.04 of the Standard Specifications at an ambient temperature other than 50 degrees F.

No field welding is permitted except as specified in the contract documents.

No work is permitted in the Fox River except as specified in the contract documents. Access to the substructures, if any, shall be accomplished by temporary support systems attached to the existing structure. Payment for temporary support system(s) will not be paid for separately but included in the cost of the contract.

**TOTAL BILL OF MATERIAL**

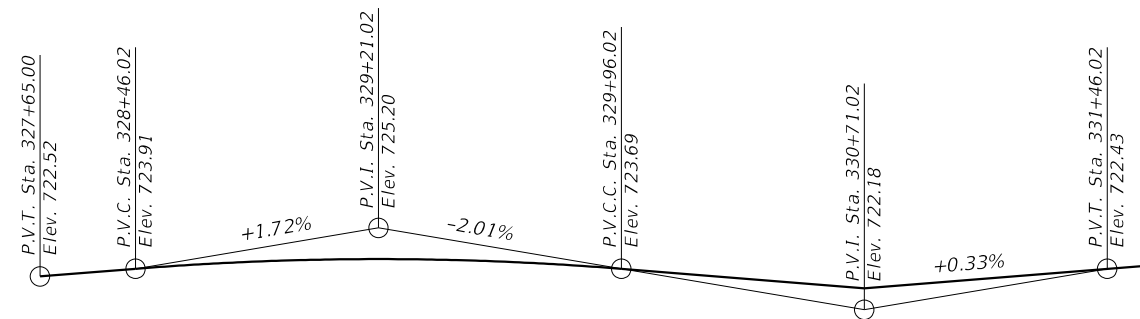
ITEM	UNIT	SUPER	SUB	TOTAL
* Concrete Sealer	SQ FT	8693	482	9175
Cleaning and Painting Bearings	EACH	84		84
Prefomed Joint Seal 1 1/4"	FOOT	85		85
Prefomed Joint Seal 2 3/4"	FOOT	151		151
Concrete Bridge Deck Scarification 3/8" Inch	SQ YD	1626		1626
Bridge Deck Thin Polymer Overlay 3/8"	SQ YD	1626		1626
Structural Repair of Concrete (Depth Equal To or Less Than 5 inches)	SQ FT	27		27
Deck Slab Repair (Partial)	SQ YD	3		3
** Polymer Concrete	CU FT	20		20
Recaulk Joints in Kansas Corral Railing	FOOT	220		220

\* Excludes brick faces.

\*\* A nominal quantity has been included to be utilized at the discretion of the Engineer for additional concrete repairs adjacent to expansion joint plates. Concrete Removal, if necessary, shall be included in the cost of Polymer Concrete.

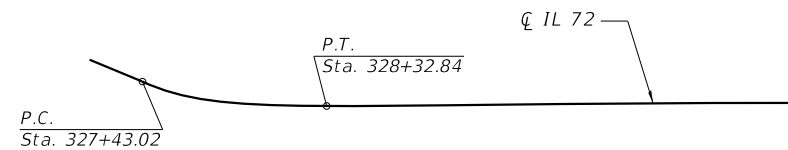
**INDEX OF SHEETS**

1. General Plan and Elevation
2. General Data
3. Stage Construction Cross Sections
4. Deck Repair Plan
5. Sidewalk and Barrier Details
6. Expansion Joint Details
7. Miscellaneous Details

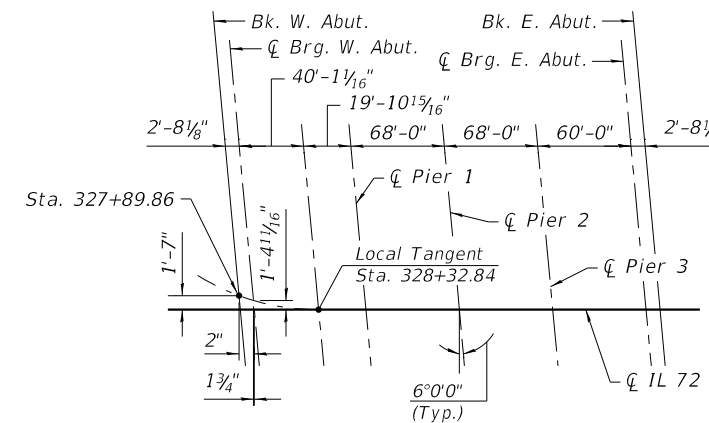


**PROFILE GRADE - ILLINOIS ROUTE 72 (EXIST.)**  
(Along  $\bar{C}$  Roadway)

IL Rte. 72, Main St.  
Curve Data (Existing)  
P.I. Sta. 327+88.02  
LC = 89.8221'  
R = 583.256'  
Dc = 9°49'24"  
 $\Delta$  = 8°49'25"  
T = 45.00'  
E = 1.73'  
No S.E.



**HORIZONTAL GEOMETRY (EXIST.)**



**OFFSET SKETCH (EXIST.)**

FILE NAME = W:\Projects\2018\180124\_PTB187\Acadd\Structural\Dgn\WD\_25\_002-0452016-General\_01\_Data.dgn

**WBK engineering**  
WBKENGINEERING LLC  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

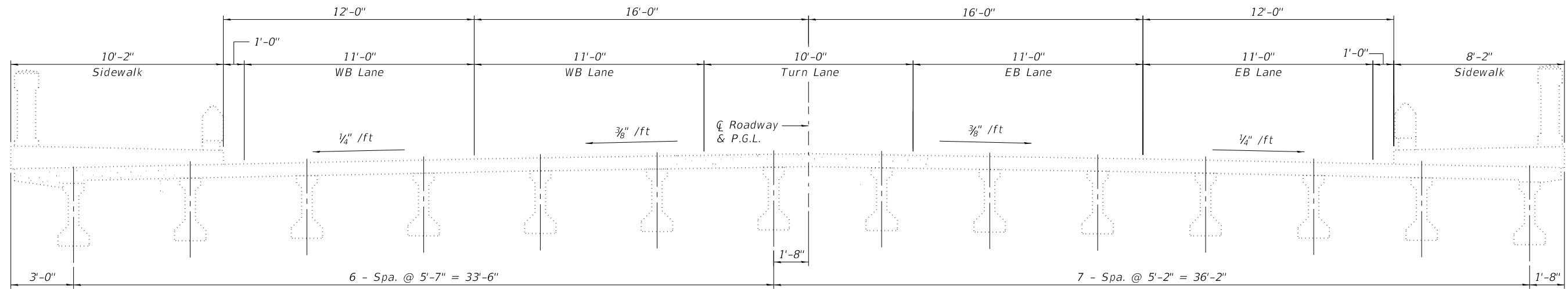
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

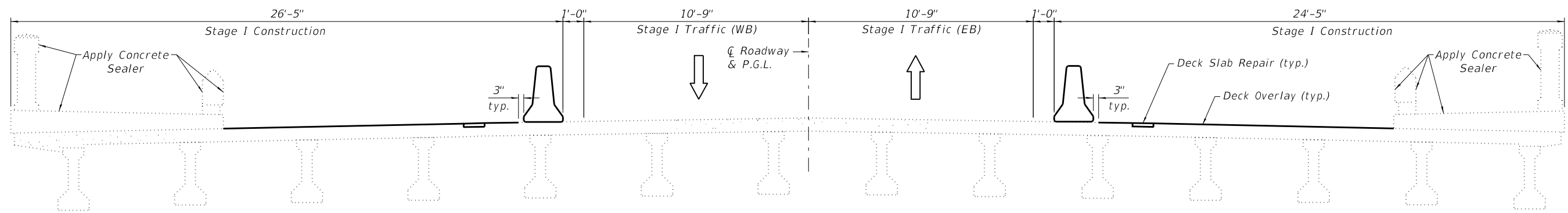
**GENERAL DATA  
STRUCTURE NO. 045-2016**

SHEET NO. 2 OF 7 SHEETS

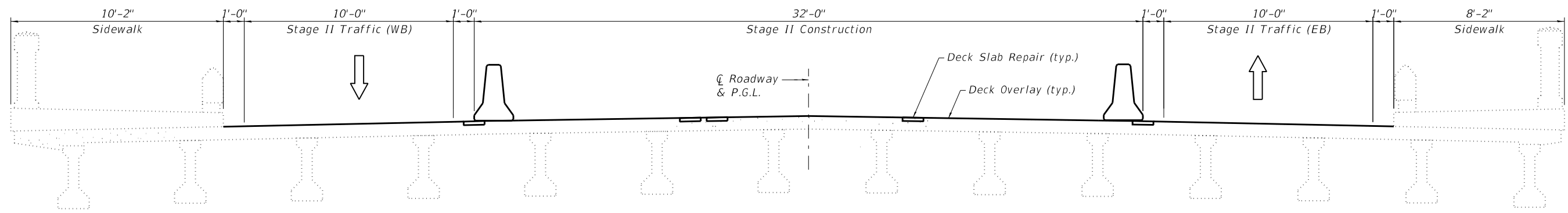
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62136	



**TYPICAL SECTION (EXIST.)**  
(Looking East)



**STAGE I CONSTRUCTION**  
(Looking East)



**STAGE II CONSTRUCTION**  
(Looking East)

**NOTES:**

1. Refer to MOT Plans for maintenance of traffic details.
2. See Sheets No. 4 thru 7 for repair details.

FILE NAME = W:\Projects\2018\180124\_PT1817\Acadd\Structural\Draw\10-Stage\_Construction\_Cross\_Sections.dgn



**WBK ENGINEERING LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME =	rsikes
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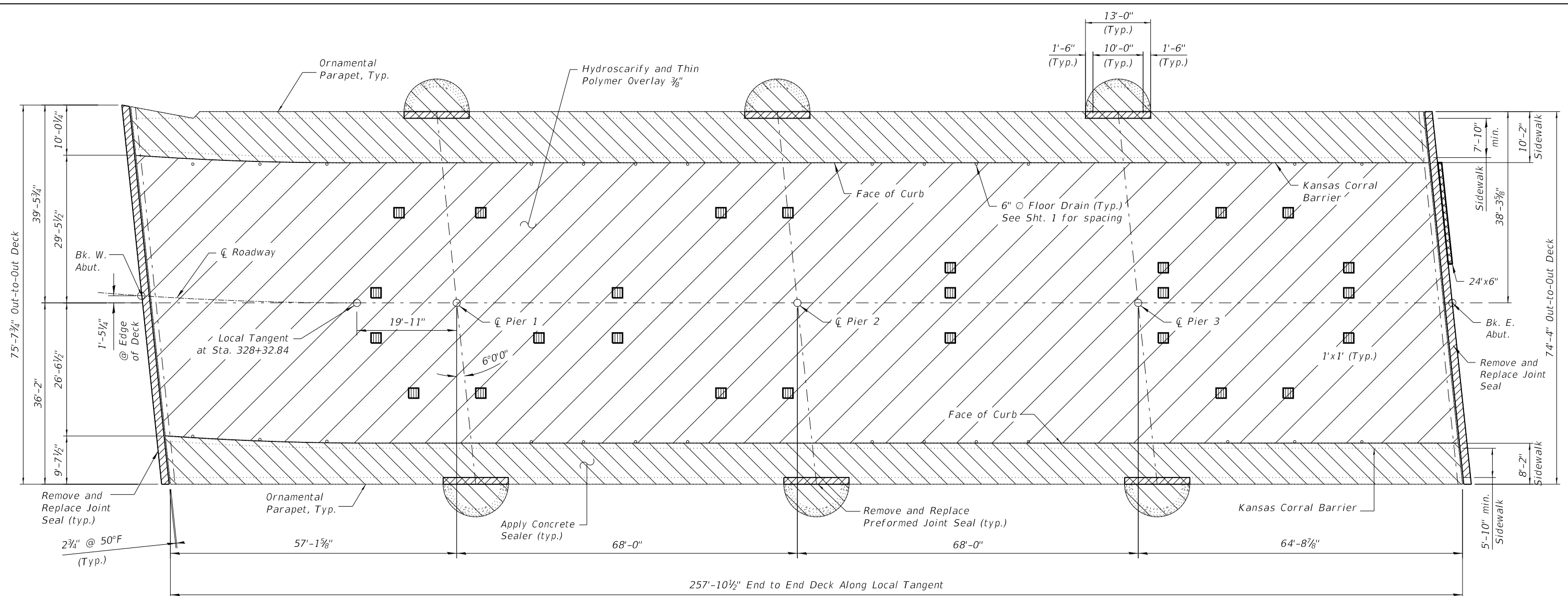
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REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION CROSS SECTIONS  
STRUCTURE NO. 045-2016**

SHEET NO. 3 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	21
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				



**EXISTING DECK PLAN**

**LEGEND**

- Hydroscarify and Thin Polymer Overlay 3/8"
- Deck Slab Repair (Partial) (Raised Pavement Marker Areas)
- Structural Repair of Concrete (Depth Equal to or Less than 5")
- Remove and Replace Joint Seal (Preformed Joint Seal) (See Sheet 6)
- Apply Concrete Sealer (See Sheet 5)

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Preformed Joint Seal 1 3/4"	FOOT	85
Preformed Joint Seal 2 3/4"	FOOT	151
Concrete Bridge Deck Scarification 3/8" Inch	SQ YD	1626
Bridge Deck Thin Polymer Overlay 3/8"	SQ YD	1626
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	12
Deck Slab Repair (Partial)	SQ YD	3

**NOTES:**

1. For expansion joint details, see Sheet 6.
2. For quantity and detail of Concrete Sealer limits, see Sheet 5.

FILE NAME = W:\Projects\2018\180124\_PT1817\cadd\Structural\Drawn\04-052016-Deck\_Repair\_Plan.dgn



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 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

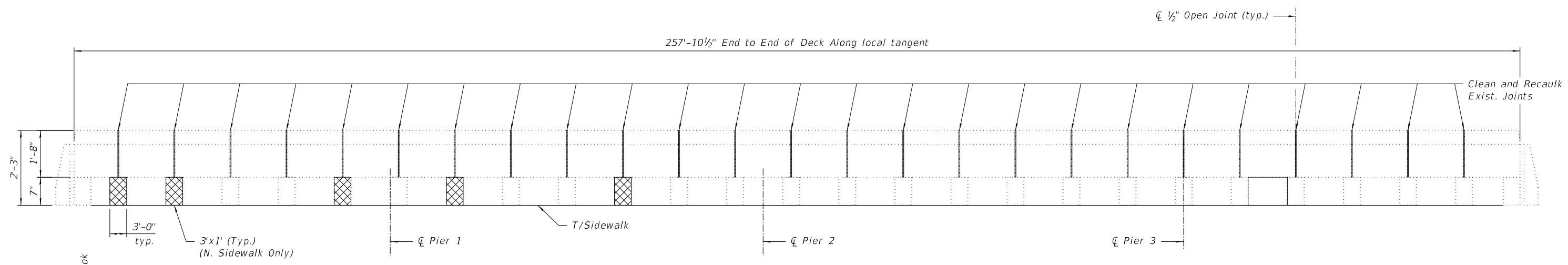
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

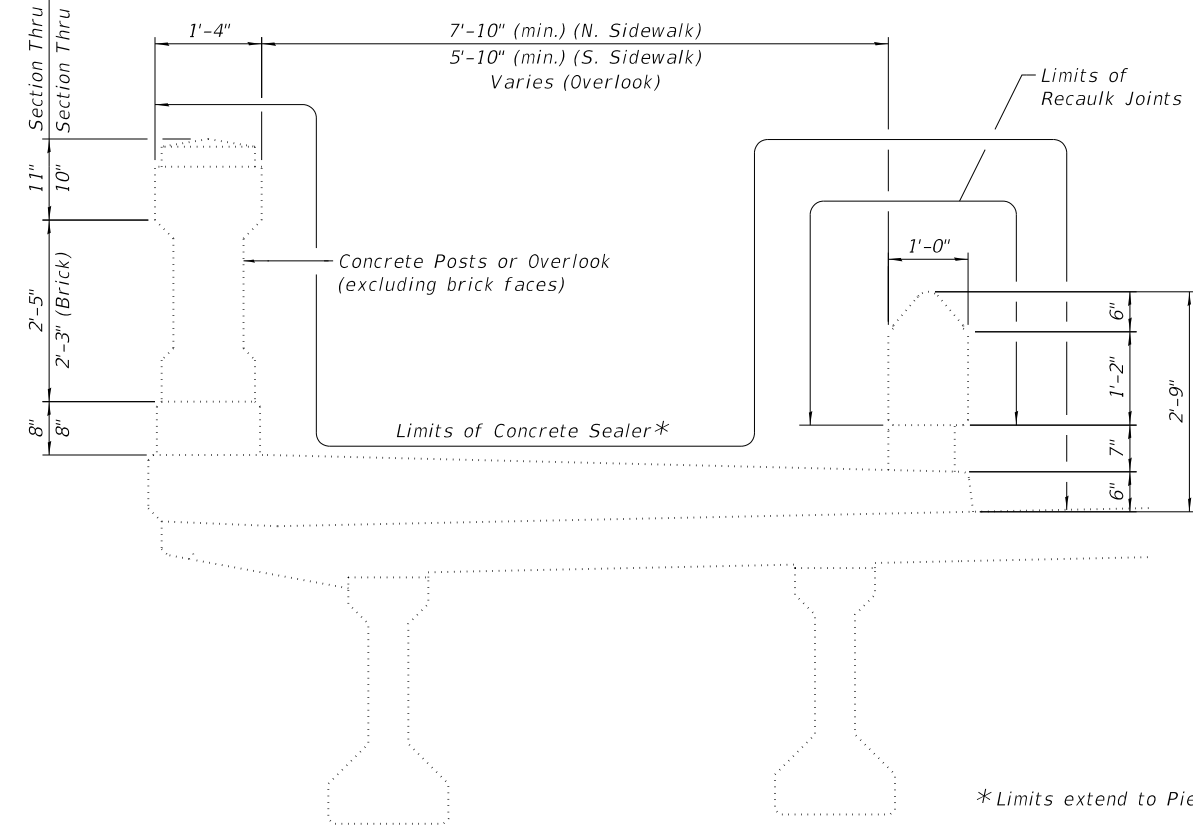
**DECK REPAIR PLAN  
 STRUCTURE NO. 045-2016**

SHEET NO. 4 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	22
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				



**EXISTING INSIDE BARRIER ELEVATION**  
(N. Barrier shown. S. Barrier similar)



**SECTION THRU SIDEWALK AND BARRIER (EXIST.)**  
(Showing Limits of Concrete Sealer and Recaulk Joints)

**BILL OF MATERIAL**

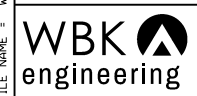
ITEM	UNIT	QUANTITY
Concrete Sealer	SQ FT	8693
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	15
Recaulk Joints in Kansas Corral Railing	FOOT	220

Δ Excludes brick faces.

**LEGEND**

Structural Repair of Concrete  
(Depth Equal to or less than 5") (N. Sidewalk Only)

FILE NAME = W:\Projects\2018\180124 PTB187\Acad\Structural\Draw\10-25-2019-0452016-Sidewalk and Barrier-Details.dgn



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(630) 443-7755

USER NAME = rsikes  
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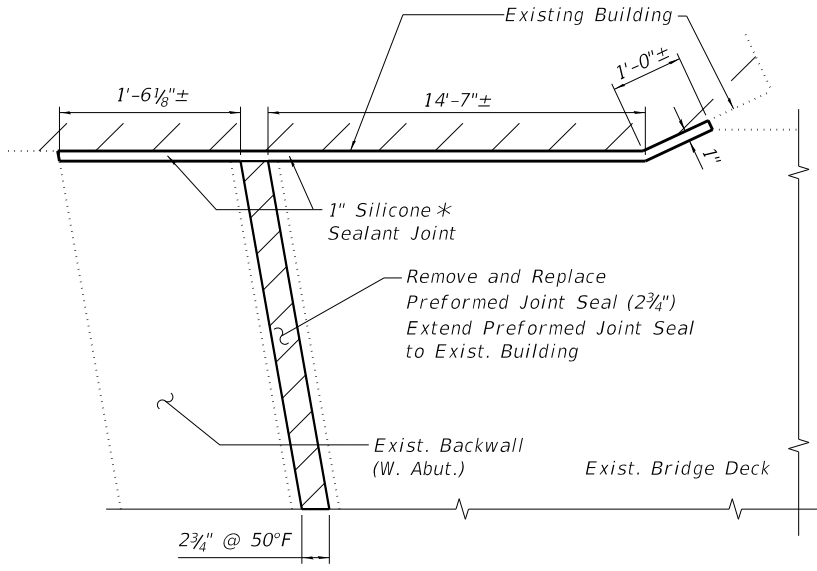
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

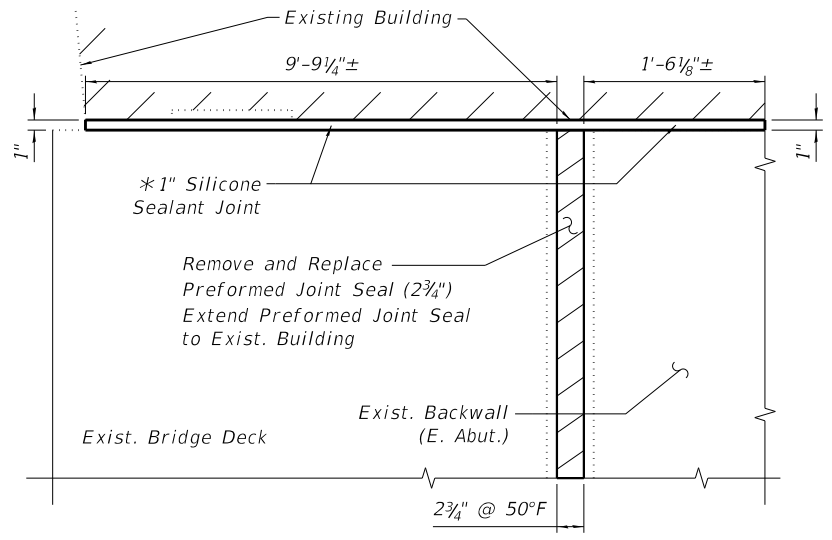
**SIDEWALK AND BARRIER DETAILS**  
**STRUCTURE NO. 045-2016**

SHEET NO. 5 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	23
CONTRACT NO. 62J36				
ILLINOIS FED. AID PROJECT				

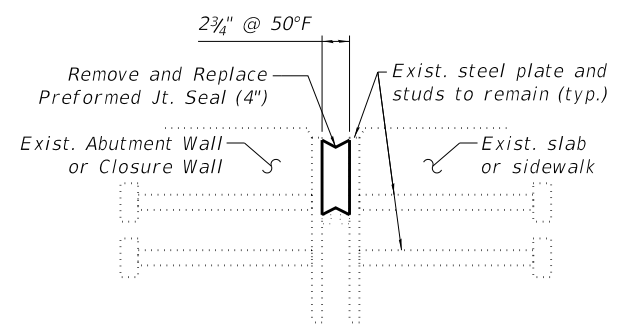


**EXPANSION JOINT @ NW CORNER OF STRUCTURE**

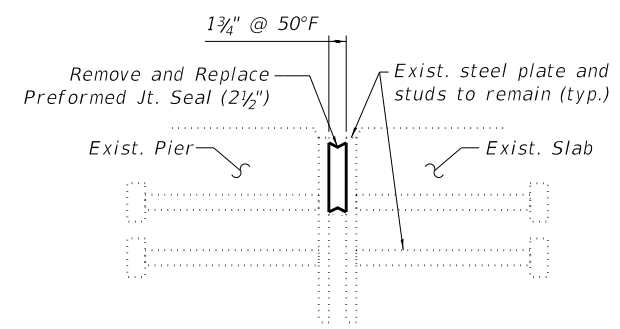


**EXPANSION JOINT @ NE CORNER OF STRUCTURE**

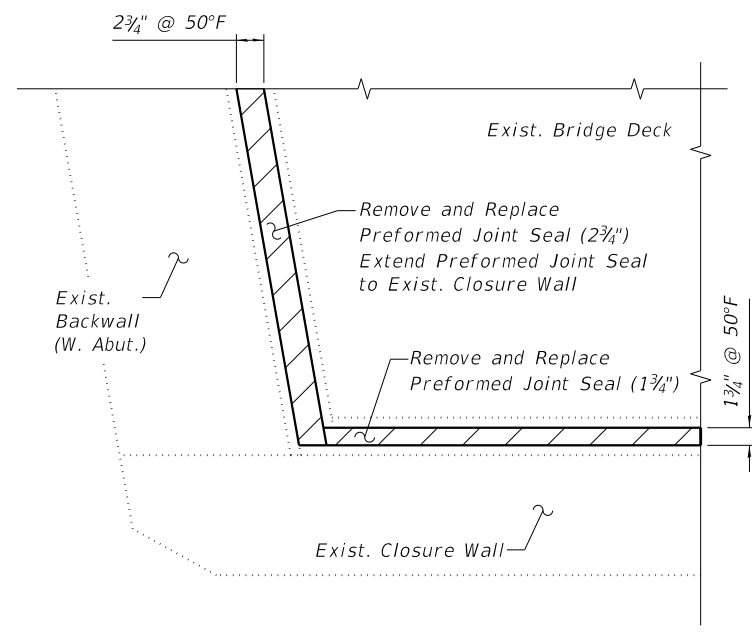
\*The joint shall conform to the outline of existing buildings.  
Cost is Incidental to "Strip Seal Gland Replacement"



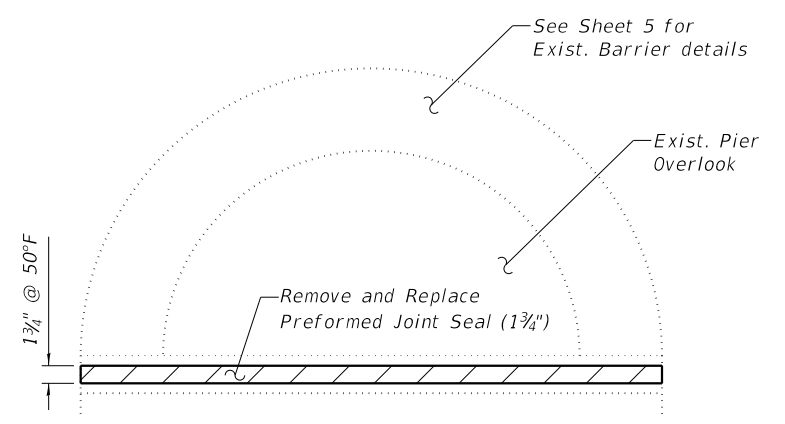
**EXIST. EXP. JT. AT ABUTMENTS**



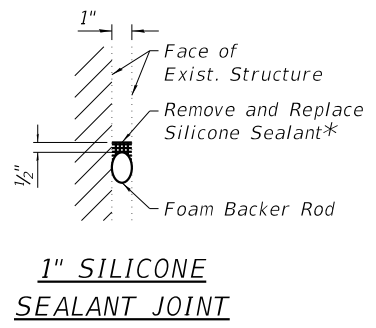
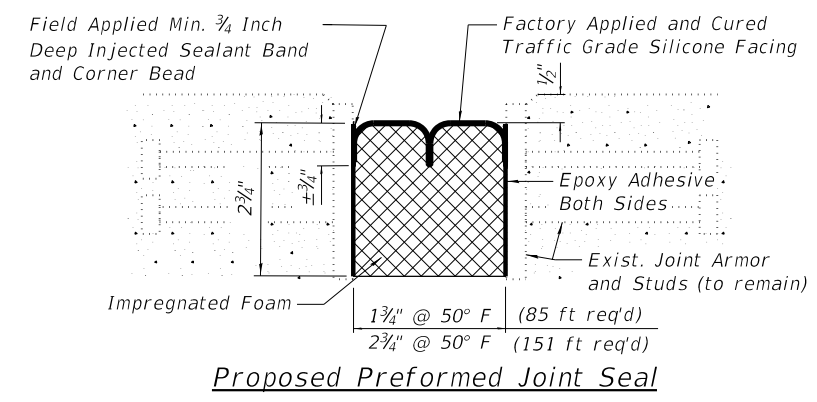
**EXIST. EXP. JT. AT PIER OVERLOOK**



**EXPANSION JOINT @ SW CORNER OF STRUCTURE**



**EXPANSION JOINT @ PIER OVERLOOK (6 THUS)**



**LEGEND**

Remove and replace joint seal (preformed joint seal)

**NOTES:**

1. Preformed joint seal shall be in one continuous piece for the full length of the joint. No field splice or manufacturer's butt splice is permitted.
2. See Sheet 4 for Existing Deck Plan and Preformed Joint Seal quantity.

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116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

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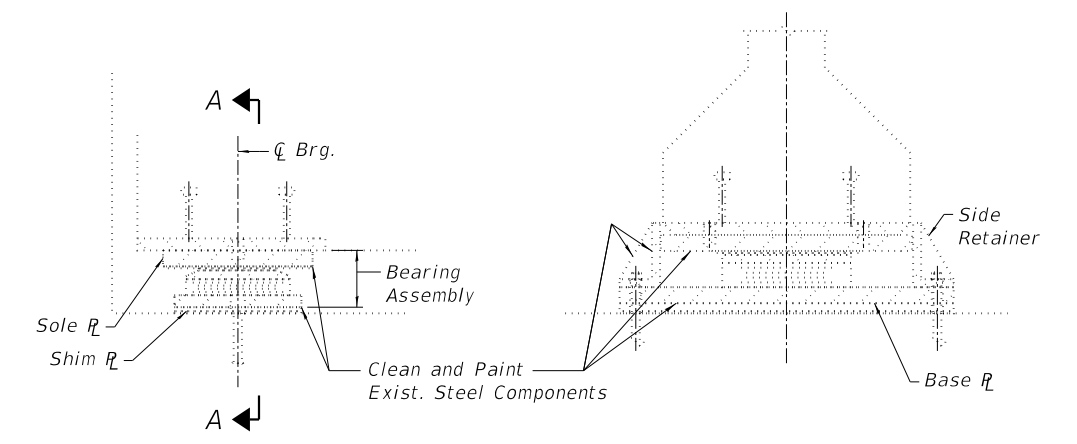
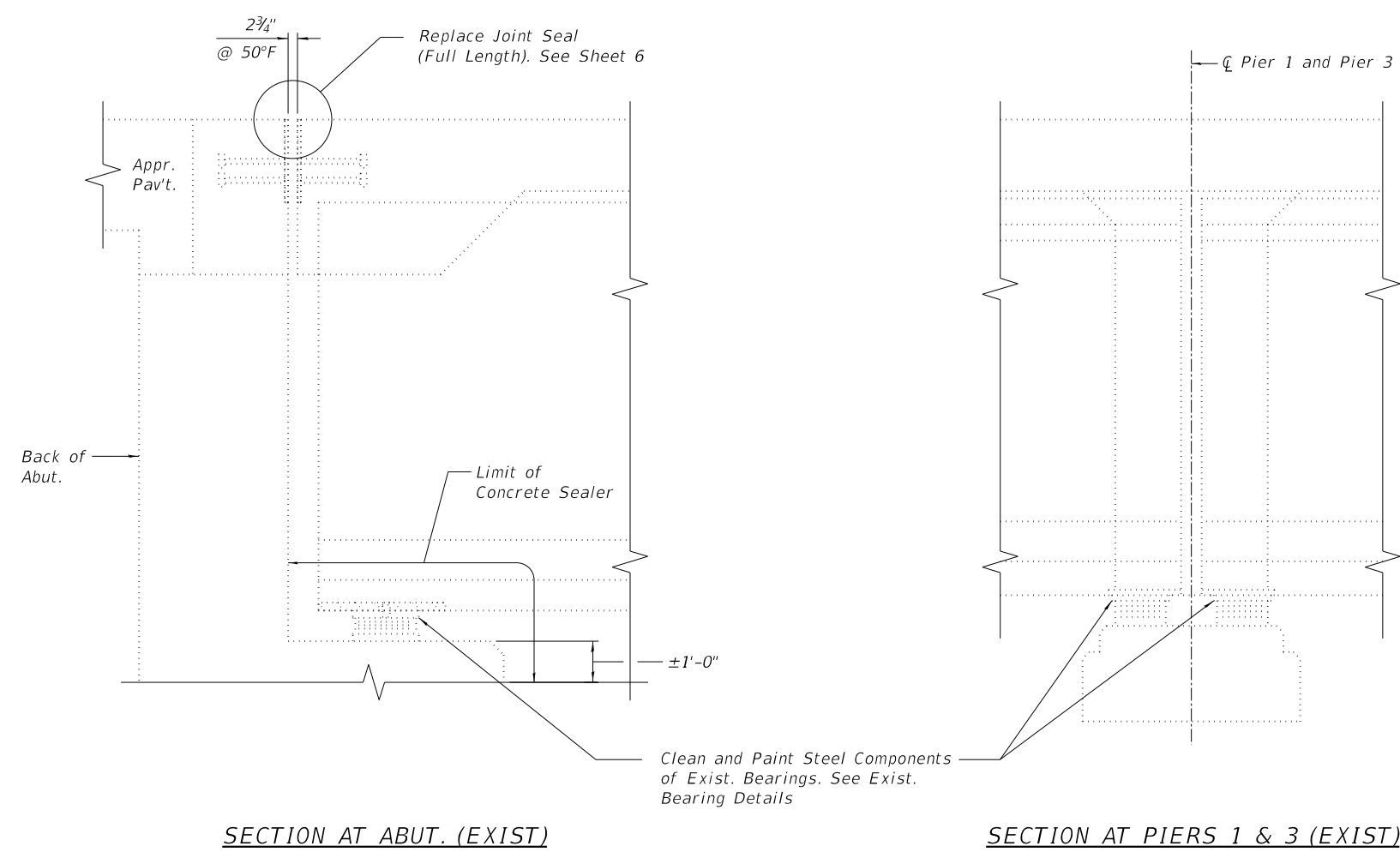
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT DETAILS  
STRUCTURE NO. 045-2016**

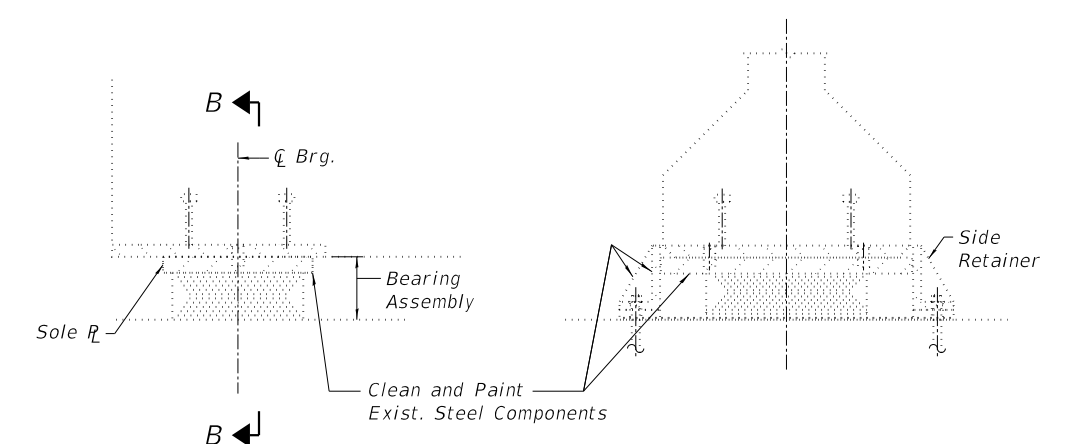
SHEET NO. 6 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	24
CONTRACT NO. 62J36			ILLINOIS FED. AID PROJECT	





**SECTION AT ABUT.**  
**SECTION A-A**  
**TYPE II TFE ELASTOMERIC EXP. BRG. (EXIST)**  
 (AT ABUTMENTS; 28 THUS)



**SECTION AT PIER**  
**SECTION B-B**  
**TYPE I TFE ELASTOMERIC EXP. BRG. (EXIST)**  
 (AT PIERS 1 & 3; 56 THUS)

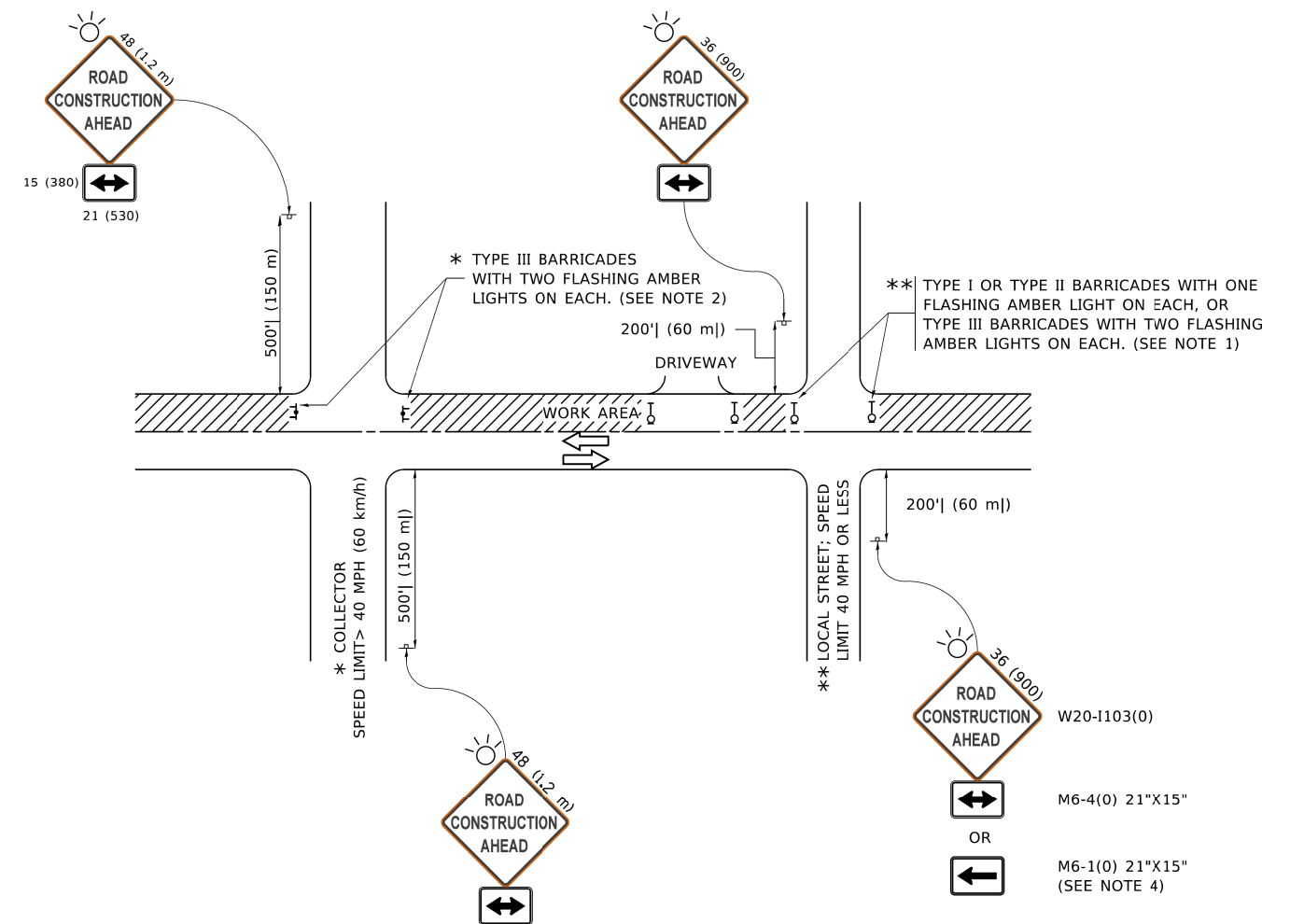
Clean and Paint Steel Components of Exist. Bearings. See Exist. Bearing Details

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Sealer	SQ FT	482
Clean and Painting Bearings	EACH	84

**EXIST. BEARING DETAILS**  
 (FOR REFERENCE ONLY)

FILE NAME = W:\Projects\2018\180124\_PTB187\Acadd\Structural\Dgn\10\_25\_007-0452016-Miscel\aneous Details.dgn



**NOTES:**

- 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:
  - 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.
  - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - 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.
  - 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.
- 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.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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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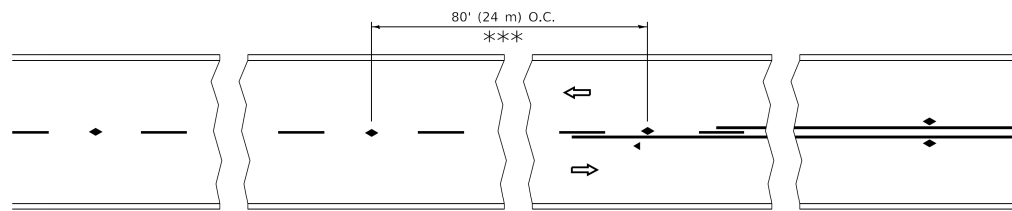
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		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

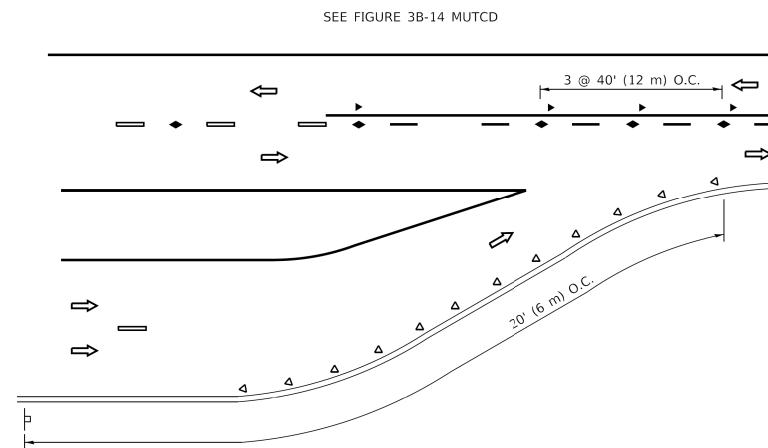
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO.62136	
ILLINOIS FED. AID PROJECT				

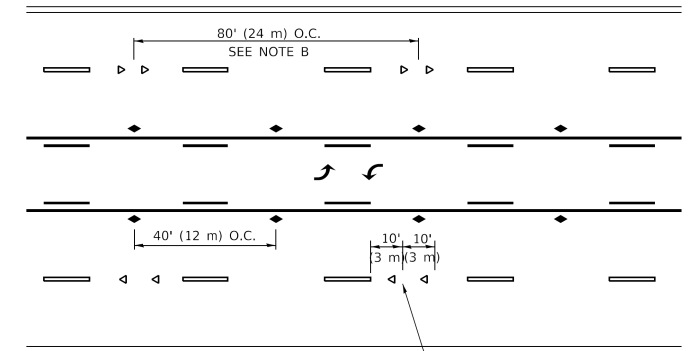


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

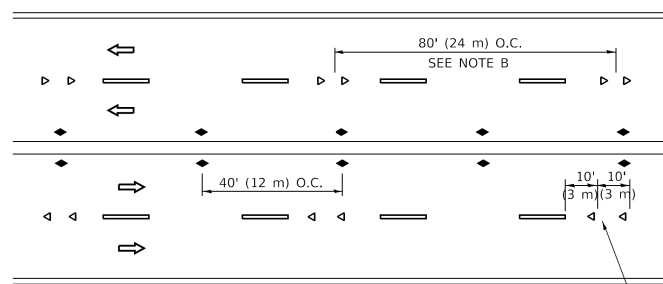
**TWO-LANE/TWO-WAY**



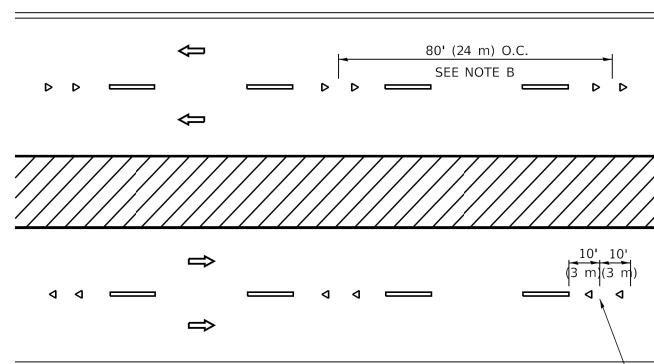
**LANE REDUCTION TRANSITION**



**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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

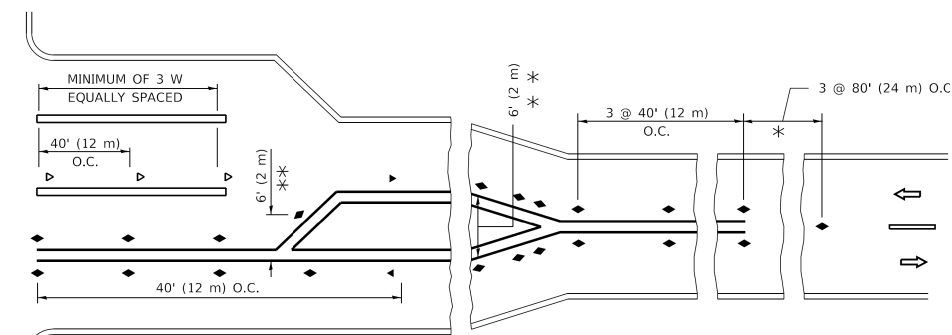
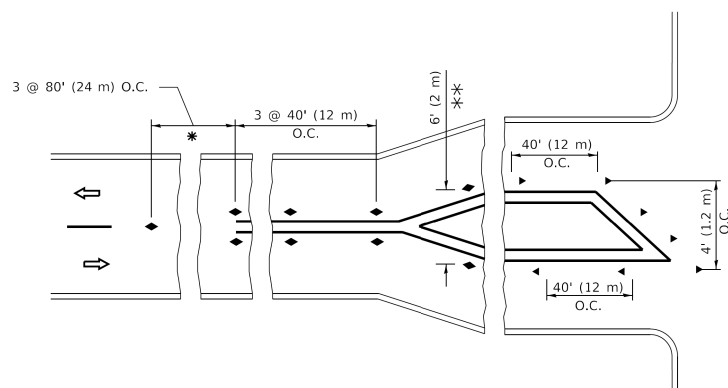
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.



**TURN LANES**

\* 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.

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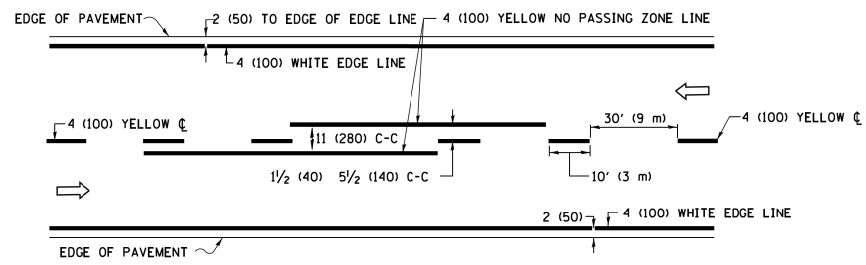
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

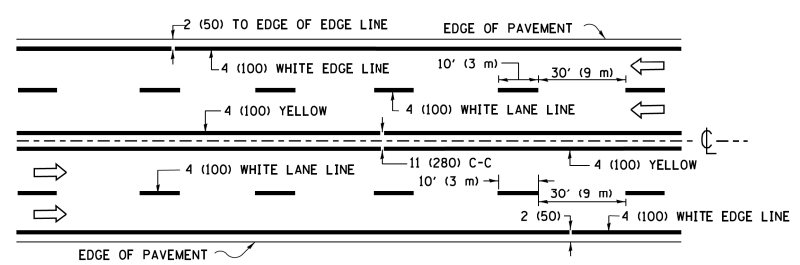
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

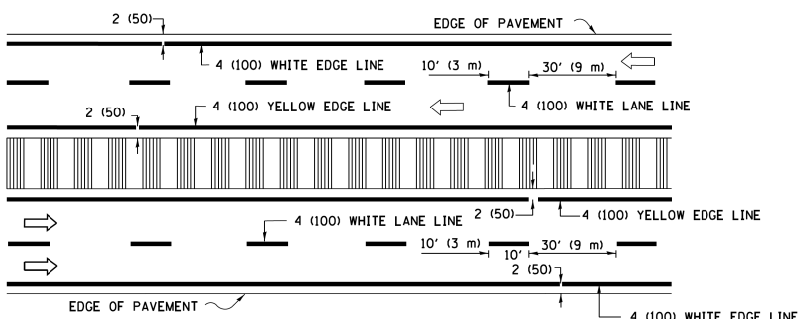
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	27
TC-11			CONTRACT NO.62J36	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

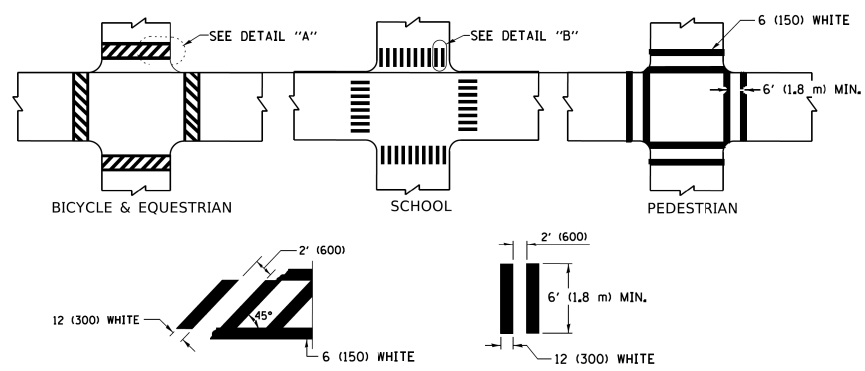


**MULTI-LANE UNDIVIDED**



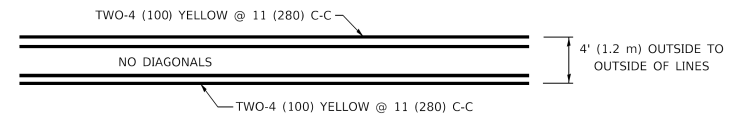
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

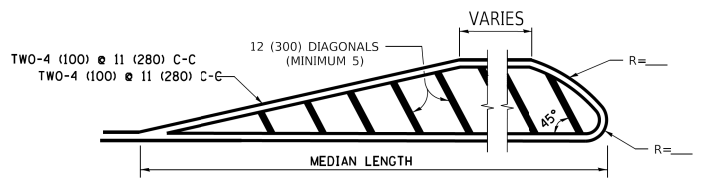


**TYPICAL CROSSWALK MARKING**

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

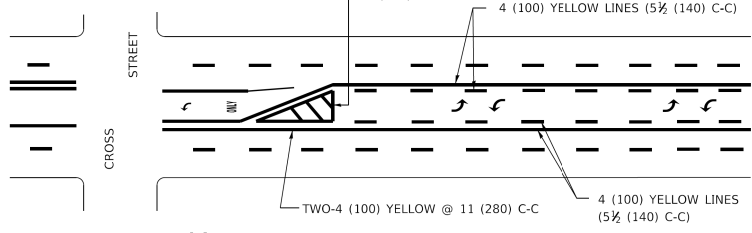


**4' (1.2 m) WIDE MEDIANS ONLY**



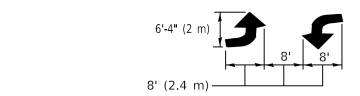
**MEDIANS OVER 4' (1.2 m) WIDE**

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**

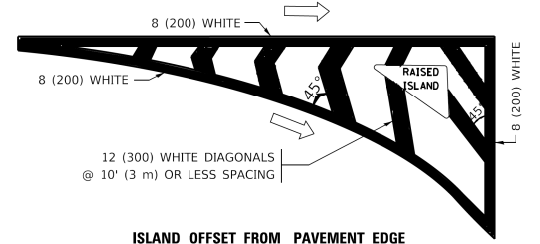
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



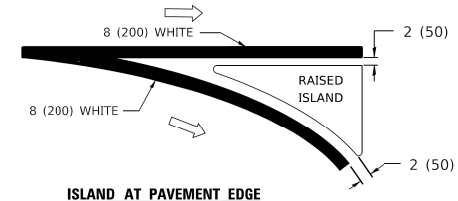
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**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".

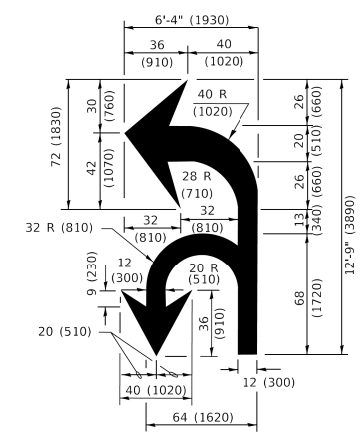


**ISLAND OFFSET FROM PAVEMENT EDGE**

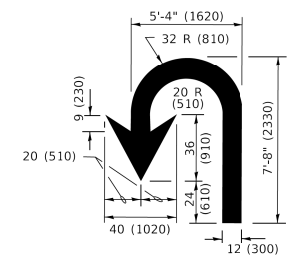


**ISLAND AT PAVEMENT EDGE**

**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 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.

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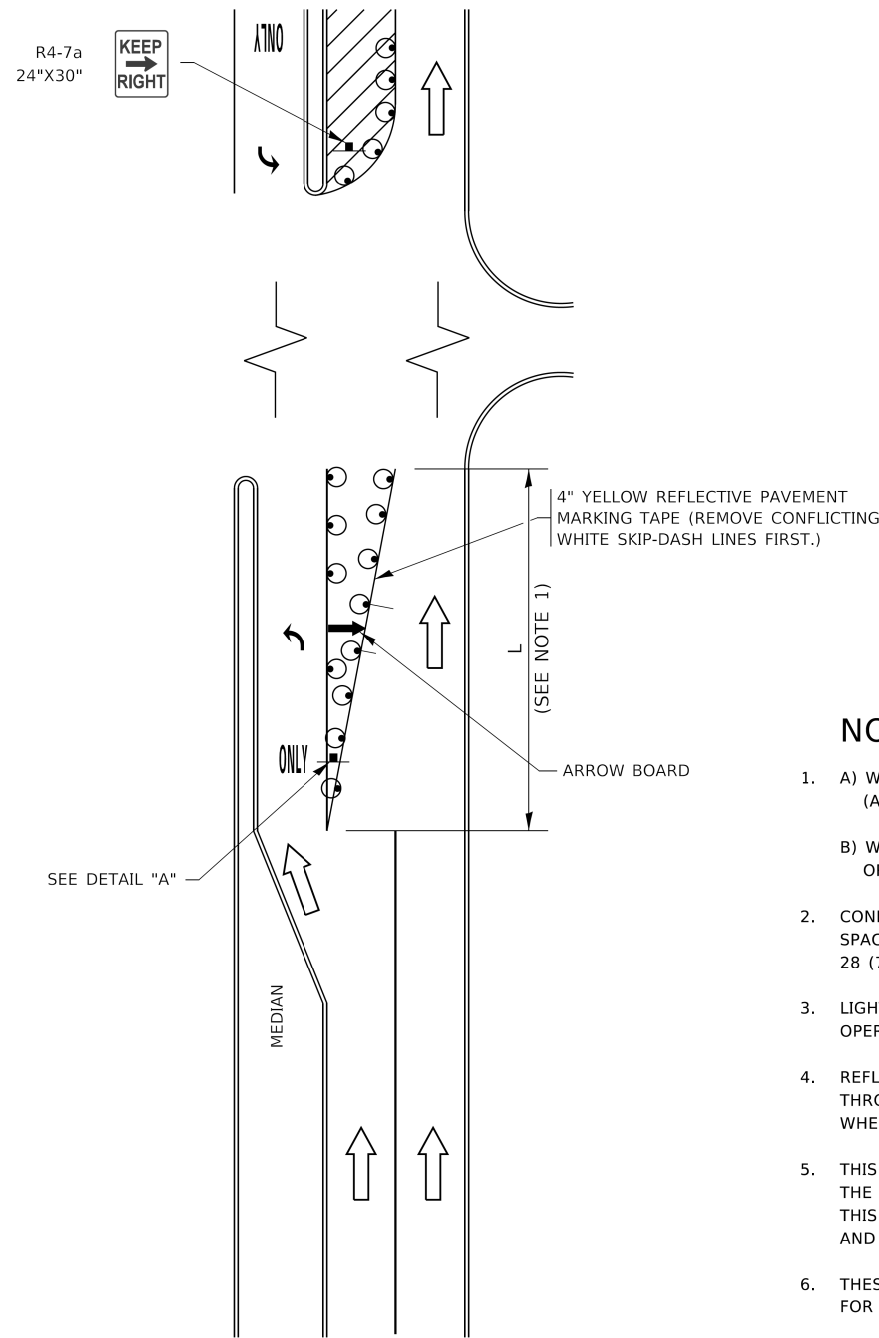
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DRAWN -	REVISED - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
PLOT SCALE = 50.0000 "/in.	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 3/4/2019	DATE - 03-19-90	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		341	2019-059-BR	KANE	32	28
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT	

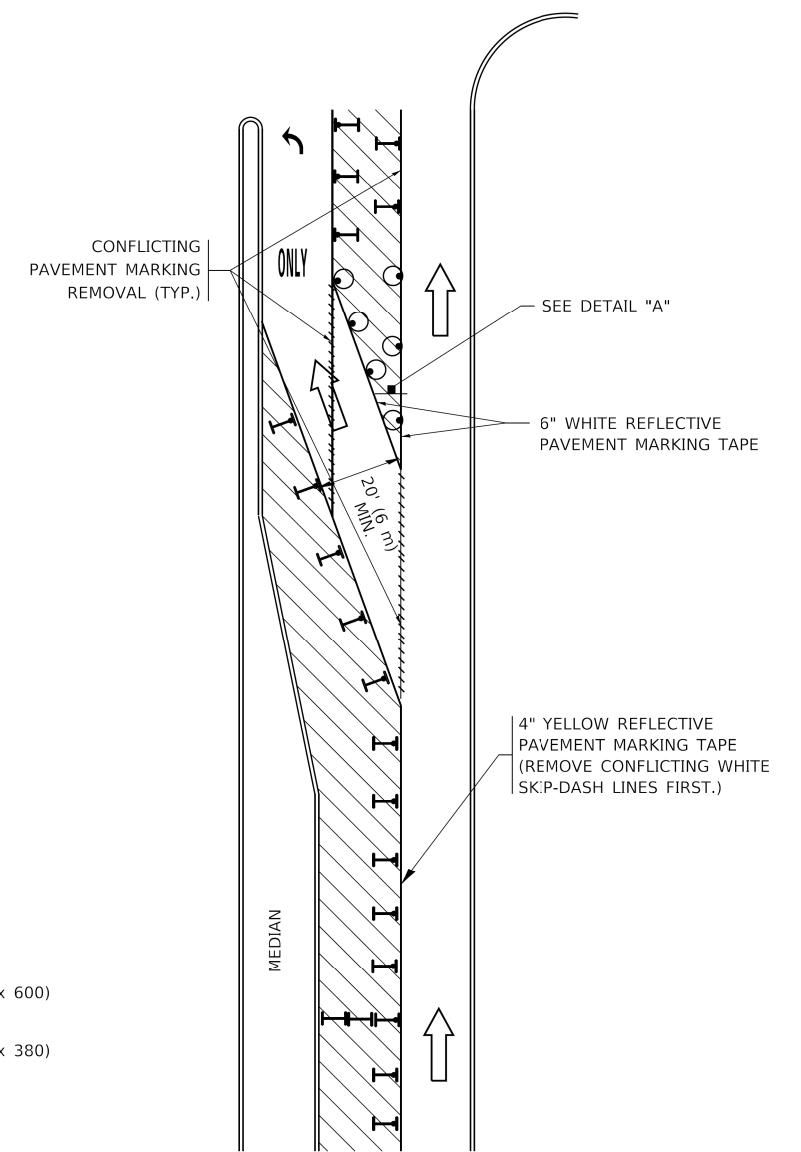
<b>TC-13</b>		CONTRACT NO.62136	
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# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



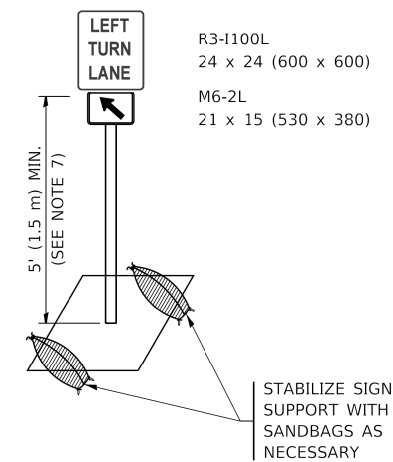
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

MODEL: D:\p1\... FILE: R4-7a.dwg

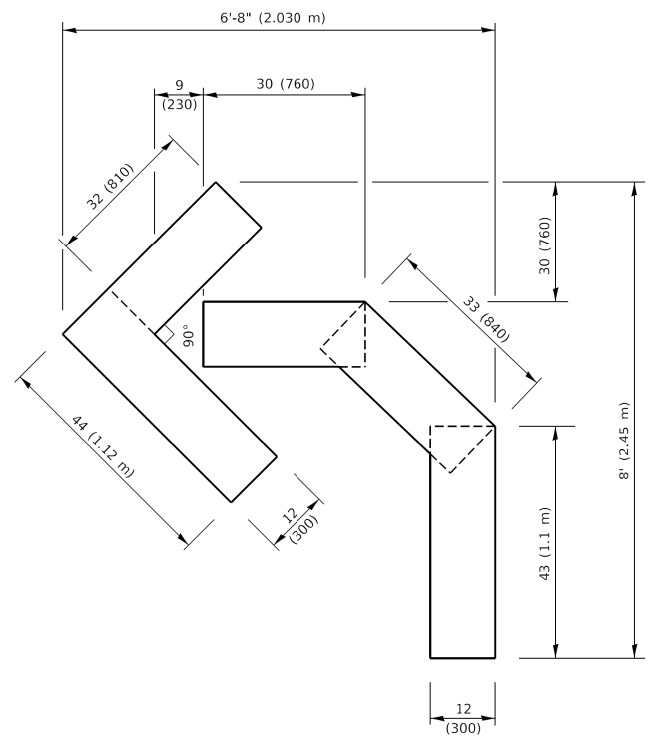
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

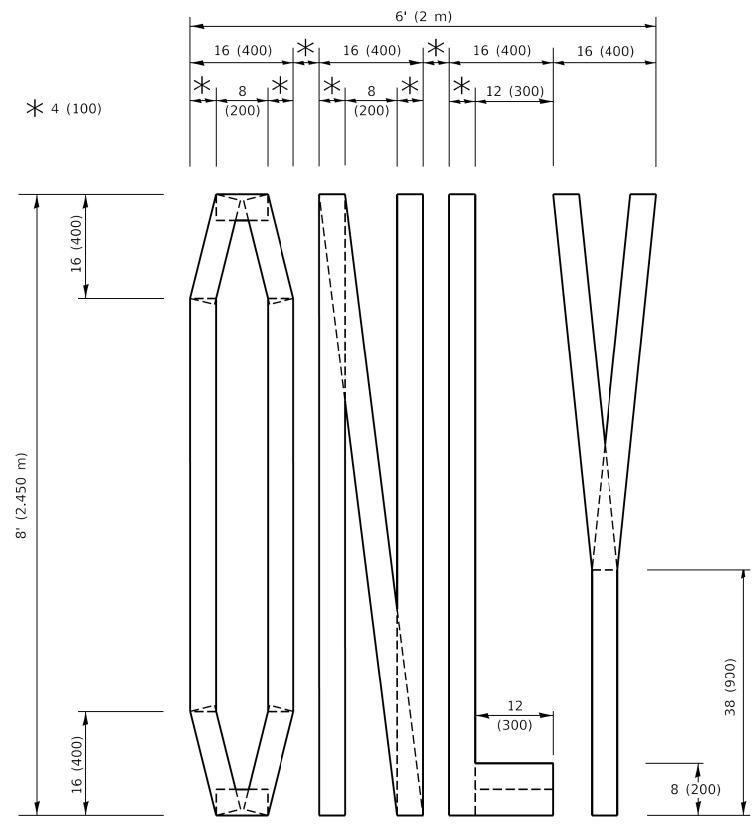
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	29
TC-14		CONTRACT NO.62J36		
ILLINOIS FED. AID PROJECT				



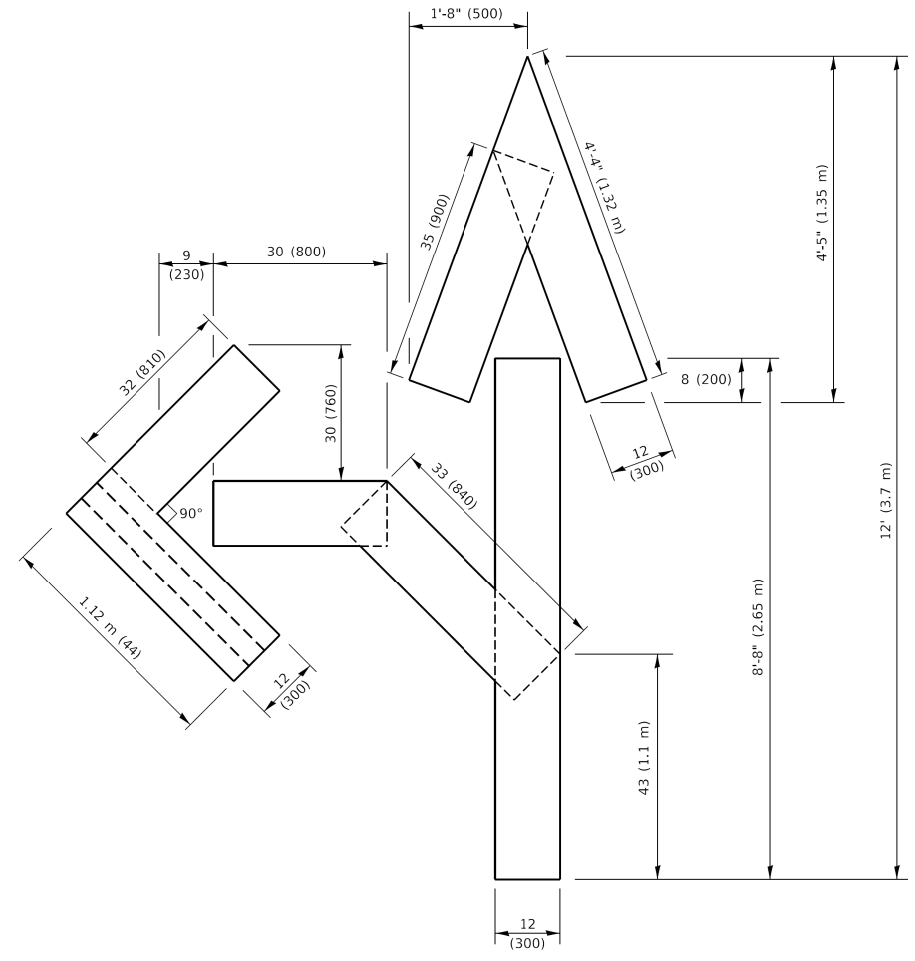
**QUANTITY**

4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.41 sq. m)



**QUANTITY**

4 (100) LINE = 64.1 ft. (19.5 m)  
21.4 sq. ft. (1.99 sq. m)

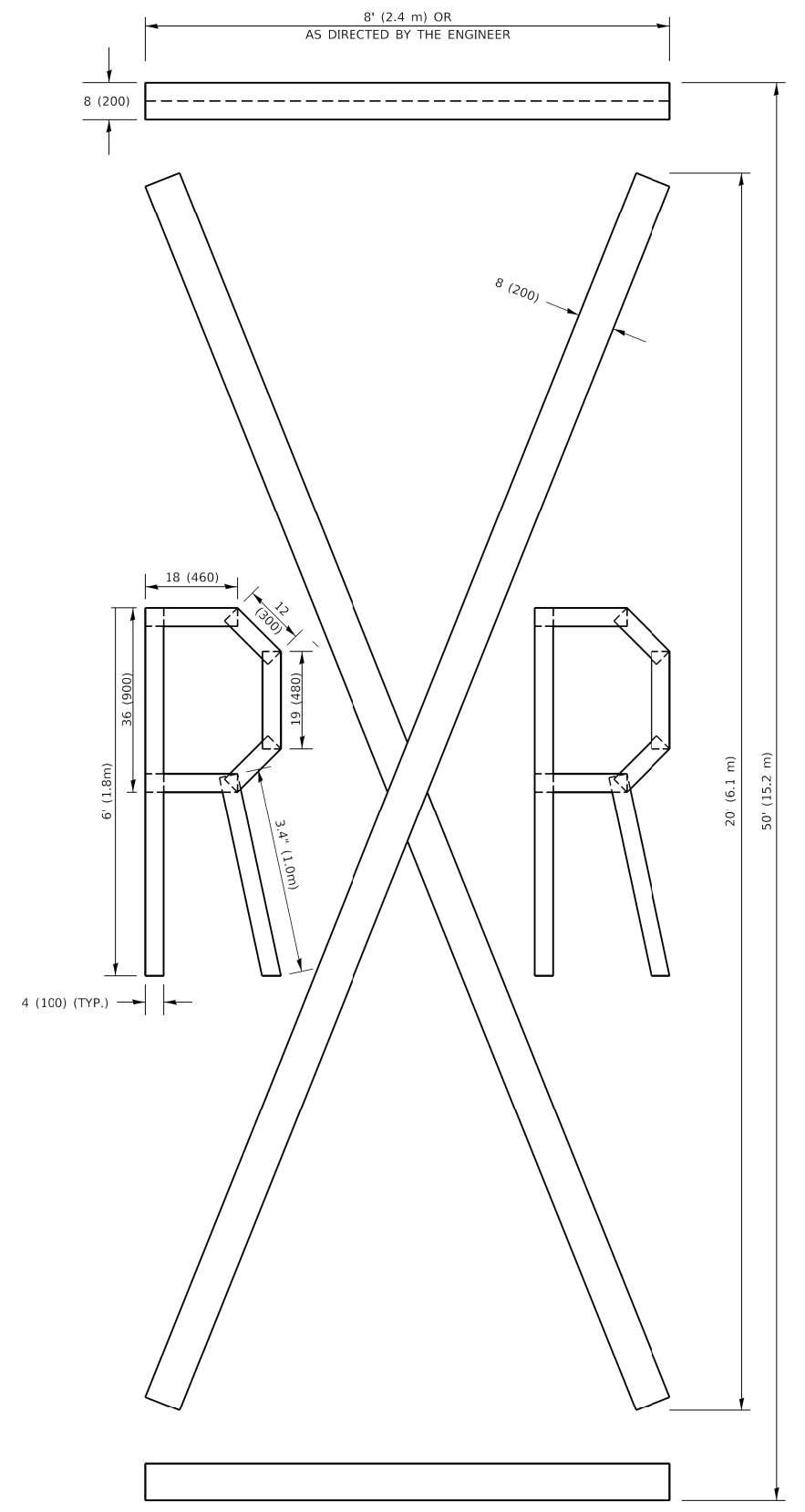


**QUANTITY**

4 (100) LINE = 82.5 ft. (25.1 m)  
27.5 sq. ft. (2.53 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**

4 (100) LINE = 225.9 ft. (68.9 m)  
75.3 sq. ft. (6.99 sq. m)

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

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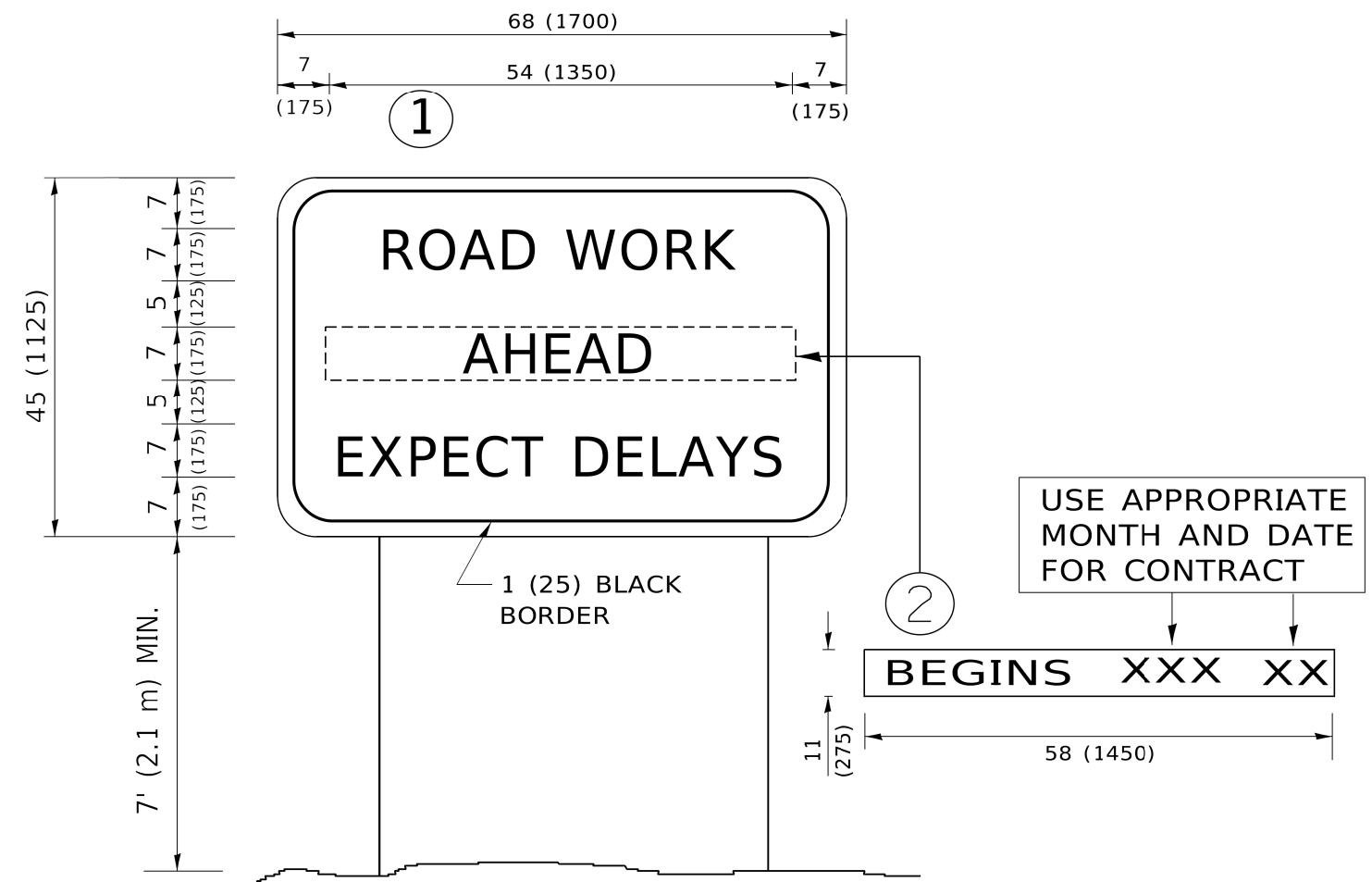
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	30
<b>TC-16</b>			CONTRACT NO.62136	
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.

MODEL: D:\dgn\11\111111.dgn  
 FILE: 111111.dwg  
 PLOT DATE: 3/4/2019 10:11:11 AM  
 PLOT SCALE: 1/16" = 1'

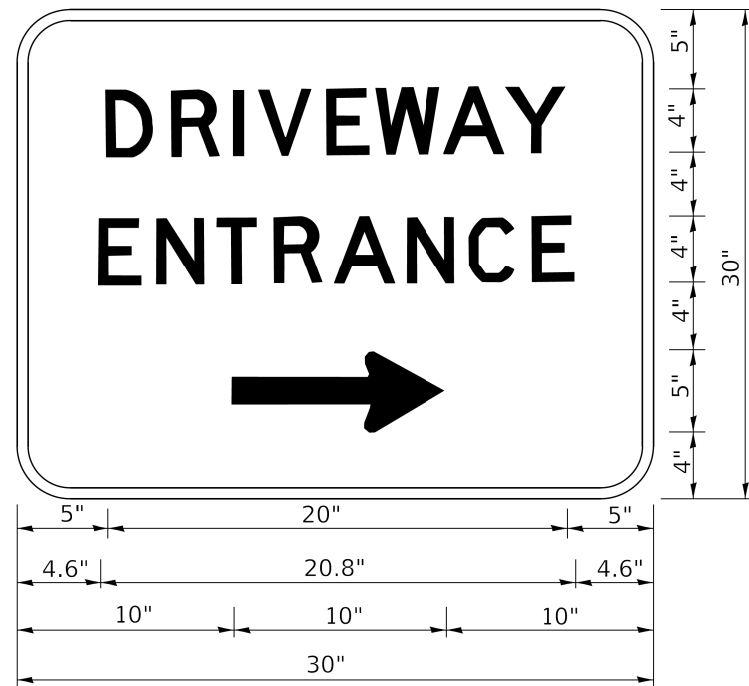
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
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PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	31
<b>TC-22</b>			CONTRACT NO.62136	
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".

MODEL: D:\dgn\...  
 FILE: TC-26.dgn  
 PLOT DATE: 3/4/2019

USER NAME = footemj	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-059-BR	KANE	32	32
<b>TC-26</b>		CONTRACT NO.62136		
ILLINOIS FED. AID PROJECT				