

046

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2-3 SUMMARY OF QUANTITIES
- 4-23 MAINTENANCE OF TRAFFIC PLANS & STANDARDS
- 24-30 APPROACH DETAILS
- 31-37 STRUCTURAL REPAIR PLANS (SN 039-0079)

**HIGHWAY STANDARDS**

- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEED ≥ 45 MPH
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
- 701321-17 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701901-07 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-12 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY

**NOTES:**

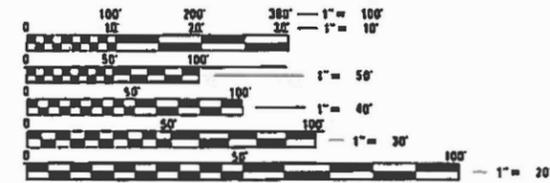
ALL BORROW WASTE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT JULIE A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK AT 800-892-0123.

NO MATERIALS, EQUIPMENT, VEHICLES OR OTHER HAZARDS SHALL BE WITHIN 2'-0" OF THE TEMPORARY CONCRETE BARRIER. EQUIPMENT THAT IS ACTIVELY WORKING WITH 2'-0" OF THE BARRIER WALL MAY BE ALLOWED FOR A SHORT DURATION, IF APPROVED BY THE ENGINEER AND THERE IS NOT ANOTHER METHOD TO COMPLETE THE WORK.

**TRAFFIC DATA:**

**FUNCTIONAL CLASSIFICATION**  
MINOR ARTERIAL  
2017 ADT = 3,900  
EST. TRUCK % = 5%



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

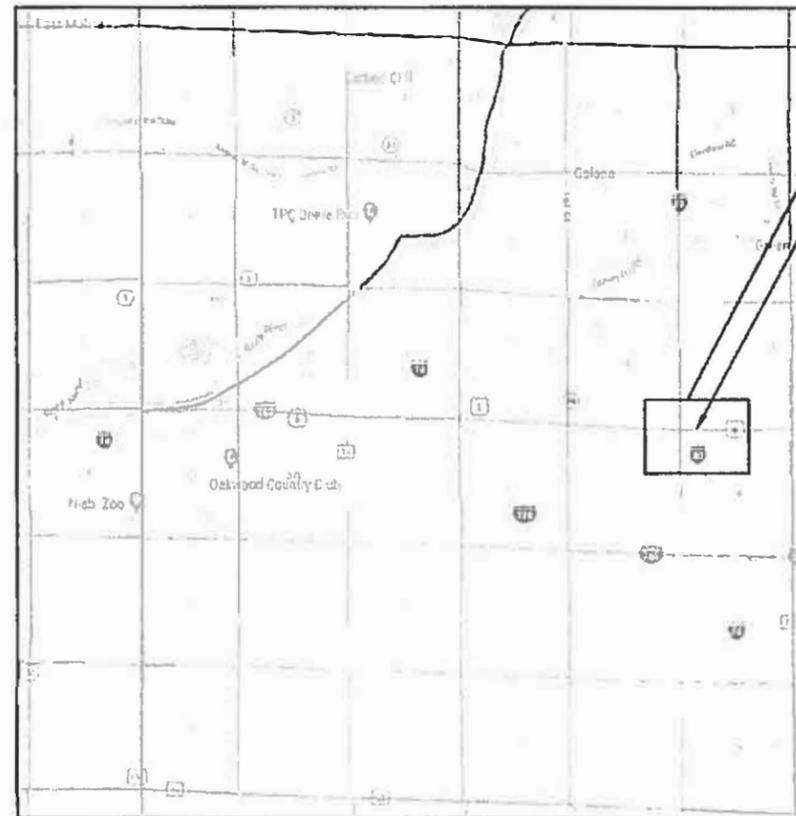
PROJECT ENGINEER: JEFFREY EHRHART, P.E. (312) 256-9090  
PROJECT MANAGER: MAHMOUD ETEMADI, P.E. (815) 284-5359

CONTRACT NO. 64M78

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAP 138 (US 6) OVER FAI 80  
(I-80) SECTION D2 (37-1HB-2)BDR  
BRIDGE REHABILITATION  
S.N. 037-0079  
PROJECT NHPP-9FGX(287)  
HENRY COUNTY

C-92-030-18



LOCATION MAP  
N.T.S. R1E 4th PM

GROSS LENGTH = 2000 FT. = 0.38 MILE  
NET LENGTH = 2000 FT. = 0.38 MILE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	02 (37-1HB-2)BDR	HENRY	37	1

37 + 2 = 39 TOTAL SHEETS

D-92-023-18



LOCATION OF SECTION INDICATED THUS: -



JEFFREY C. EHRHART, P.E.



MICHAEL MILLER, P.E.  
FOR DRAWINGS 4-23

WYNDALCO  
ENTERPRISES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 7-30-18  
*Markel*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 5 2018  
*E.A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 9 2018  
*Paul L. Ch...*

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

# SUMMARY OF QUANTITIES

CODE NAME	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				BRIDGE	ROADWAY
				0059 037-0079	0005
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	E SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	E SUM	1		1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	E SUM	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4,300		4,300
70400100	TEMPORARY CONCRETE BARRIER	FOOT	537.5		537.5
70400200	RELOCATION TEMPORARY CONCRETE BARRIER	FOOT	537.5		537.5
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4,317		4,317
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4,317		4,317
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	617.7	617.7	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	4,300		4,300
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	12	12	
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	1180	1180	
Z0001905	STRUCTURAL STEEL REPAIR	POUND	1360	1360	
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2"	SQ YD	830.3	830.3	
Z0012130	BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	830.3	830.3	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	25	25	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	85	85	
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	857.9	857.9	



FILE NAME = Z:\P\c\j\mets\2816-0002\1.0 Work Order 9\0264M7B-SHT-SD02.dgn

**WYNDALCO**  
ENTERPRISES  
19081 Old LaGrange Rd, Ste. 106  
Mokena, IL 60448  
312.256.9090

USER NAME = Michael	DESIGNED - MJL	REVISED
	CHECKED - JCE	REVISED
PLOT SCALE =	DRAWN - MJL	REVISED
PLOT DATE = 7/26/2018	CHECKED - JCE	REVISED

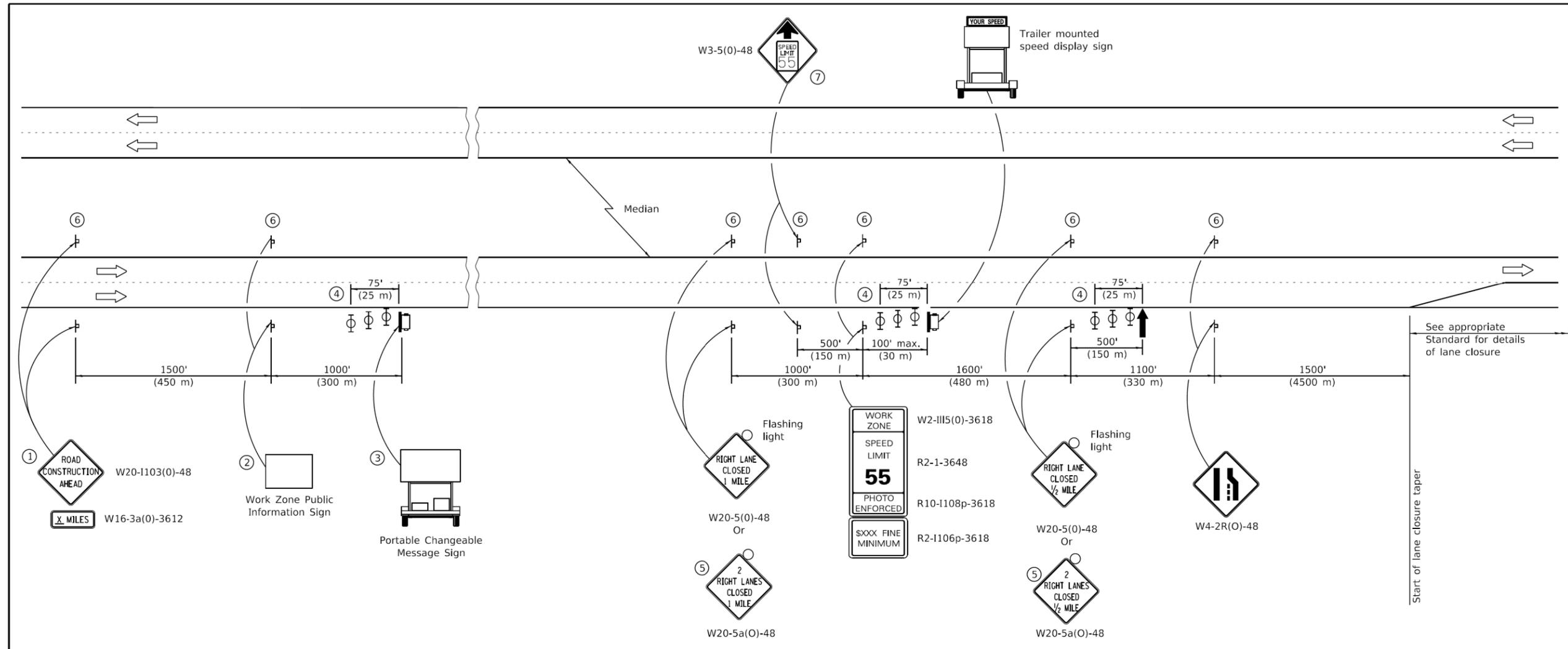
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	D2 (37-1HB-2)BDR	HENRY	37	3
CONTRACT NO. 64M78				
ILLINOIS FED. AID PROJECT				





**SYMBOLS**

- ↑ Arrow board
- ☐ Trailer mounted sign
- ⊥ Sign
- ⊕ Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.
- ② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.
- ③ The message board shall be used to display status of lanes within the project. The primary messages shall be:  
 "Right Lane Closed" / " x Miles Ahead"  
 "Left Lane Closed" / " x Miles Ahead"  
 "All Lanes Open"
- ④ Three, Type II barricades, drums, or vertical barricades at 25' (8 m) centers.
- ⑤ This sign shall be used when 2 lanes are closed.
- ⑥ This sign shall be omitted when median width is less than 10' (3 m).
- ⑦ This sign shall only be used if the existing speed limit is greater than 65 mph.

**GENERAL NOTES**

This standard is used where at any time a lane is closed on a freeway/expressway. When the left lane is closed, LEFT LANE CLOSED signs shall be substituted for the RIGHT LANE CLOSED signs.

The first two signs and the message board are stationary.

The last four signs and arrow board shall be moved as necessary to maintain the required distance from the start of the lane closure taper(s).

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

Illinois Department of Transportation

PASSED January 1, 2017  
 ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2017  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-04

DATE	REVISIONS
1-1-17	Added trailer mounted speed display sign. Changed device spacing and note ④.
1-1-15	Revised '2 RIGHT LANES CLOSED X MILE' sign number.

**APPROACH TO  
LANE CLOSURE,  
FREEWAY/EXPRESSWAY**

**STANDARD 701400-09**

FILE NAME = \\10.1.10.240\shared\Projects\2016-0002\110 Work Order 9\Submit\Addendum 10.31.18\0264M78-SHT-701400.dgn

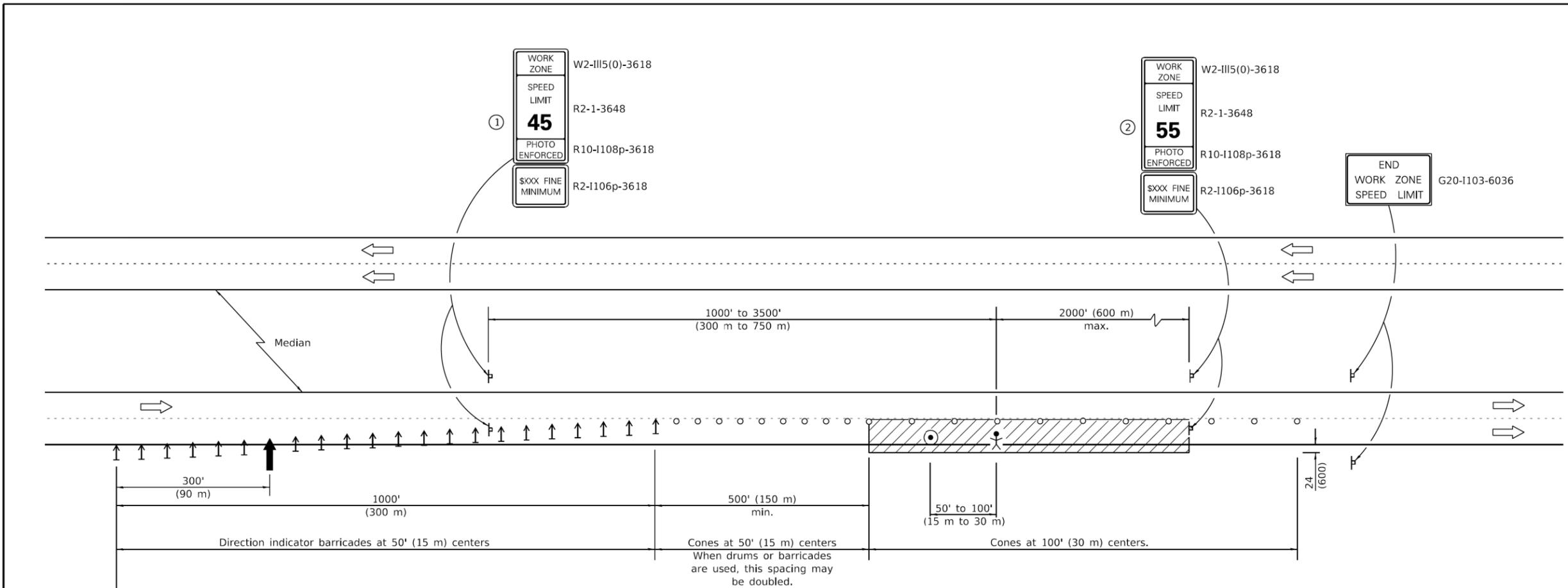
19081 Old LaGrange Rd, Ste. 106  
 Mokena, IL 60448  
 312.256.9090

USER NAME = Michael	DESIGNED - MJL	REVISED 1 10/31/2018 MJL
PLOT SCALE =	CHECKED - JCE	REVISED
PLOT DATE = 10/31/2018	DRAWN - MJL	REVISED
	CHECKED - JCE	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STANDARDS**  
SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	D2 (37-IHB-2)BDR	HENRY	37	23A
CONTRACT NO. 64M78				
ILLINOIS FED. AID PROJECT				



See Standard 701400 for approach  
Start of lane closure taper

**TYPICAL APPLICATIONS**

- Pavement patch
- Utility operations
- Bituminous resurfacing

**SYMBOLS**

- ↑ Arrow board
- ▨ Work area
- ⤴ Worker
- ⊥ Sign
- ↑ Direction indicator barricade
- Cone, drum or barricade
- Spotter

- ① Work zone speed limit signs shall be moved as necessary to maintain the required spacing between the signs and the workers in each separate work activity.
- ② Work Zone Speed Limit 55 Photo Enforced sign shall be omitted when the work area dictates placement of the sign array within 500' (150 m) of the End Work Zone Speed Limit sign.

**GENERAL NOTES**

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24 (600) of the edge of pavement for daylight operation.

This Standard must always be used in combination with Standard 701400.

This Standard also applies when work is being performed in the left lane. Under these conditions, the set up would be a mirror image to what is shown.

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

Illinois Department of Transportation

APPROVED January 1, 2019  
  
 ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019  
  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-19

DATE	REVISIONS
1-1-19	Replaced flagger with spotter.
1-1-17	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

**LANE CLOSURE,  
FREEWAY/EXPRESSWAY,  
DAY OPERATIONS ONLY**

**STANDARD 701406-12**

FILE NAME = \\10.1.10.240\shared\Projects\2018-0002\10 Work Order 9\Submittal\Addendum 10.31.18\0264M78-SHT-701406.dgn

19081 Old LaGrange Rd, Ste. 106  
Mokena, IL 60448  
312.256.9090

USER NAME = Michael	DESIGNED - MJL	REVISED 1 10/31/2018 MJL
PLOT SCALE =	CHECKED - JCE	REVISED
PLOT DATE = 10/31/2018	DRAWN - MJL	REVISED
	CHECKED - JCE	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STANDARDS  
SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	D2 (37-IHB-2)BDR	HENRY	37	23B
CONTRACT NO. 64M78				
ILLINOIS FED. AID PROJECT				