



**OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION**

ADDENDUM NO. 5

**PROJECT NO. 43-18-03
BRIDGE DECK REPLACEMENT AND REHABILITATION
U.S. ROUTE 42 OVER OHIO TURNPIKE, M.P. 161.1
CUYAHOGA COUNTY, OHIO**

OPENING DATE:

***EXTENDED* TO 2:00 P.M. (EASTERN TIME), ~~DECEMBER 18~~ *DECEMBER 27*, 2017**

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 PM ON DECEMBER 15, 2017


-AND-

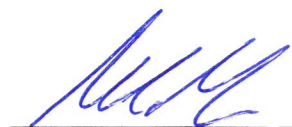
STANDARD DRAWING NOS. TCR-9, TCR-9.1, TCR-9.2 AND TCR-10

-AND-

EXTENSION OF THE BID OPENING DATE TO DECEMBER 27, 2017

Issued by the Ohio Turnpike and Infrastructure Commission on December 15, 2017 by Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contracts Administration.


Anthony D. Yacobucci 12-15-17
Date


Mark R. Musson 12/15/17
Date

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 PM ON DECEMBER 15, 2017:

Q#31 *The plans do not include or reference a standard drawing for closing a lane at an entrance/exit ramp. The contractor will be required to set zones through the 71 entrance/exit. Are the standard drawings available on line for reference? Also not included is the OTC standard for closing multiple lanes, the plans however do list the ODOT standard for closing multiple lanes*

A#31 If a lane closure is required thru the interchange at TP 161, the maintenance of traffic will need to be implemented in accordance with OTIC Standard Drawing TCR-9.1 and/or TCR-9.3. In the event a double lane closure is required, the maintenance of traffic will need to be implemented in accordance with OTIC Standard Drawing No. TCR-10. In the event a shoulder closure is needed, the maintenance of traffic will need to be implemented in accordance with OTIC Standard Drawing No. TCR-9. All of the mentioned standard drawings are included with this addendum.

MODIFIED CONTRACT DOCUMENTS

With this Addendum No. 5, the Commission substitutes the enclosed material for the following Contract Document:

Standard Drawing Nos. TCR-9, TCR-9.1, TCR-9.3 and TCR-10

Receipt of Addendum No. 5

Project No. 43-18-03 is hereby acknowledged:

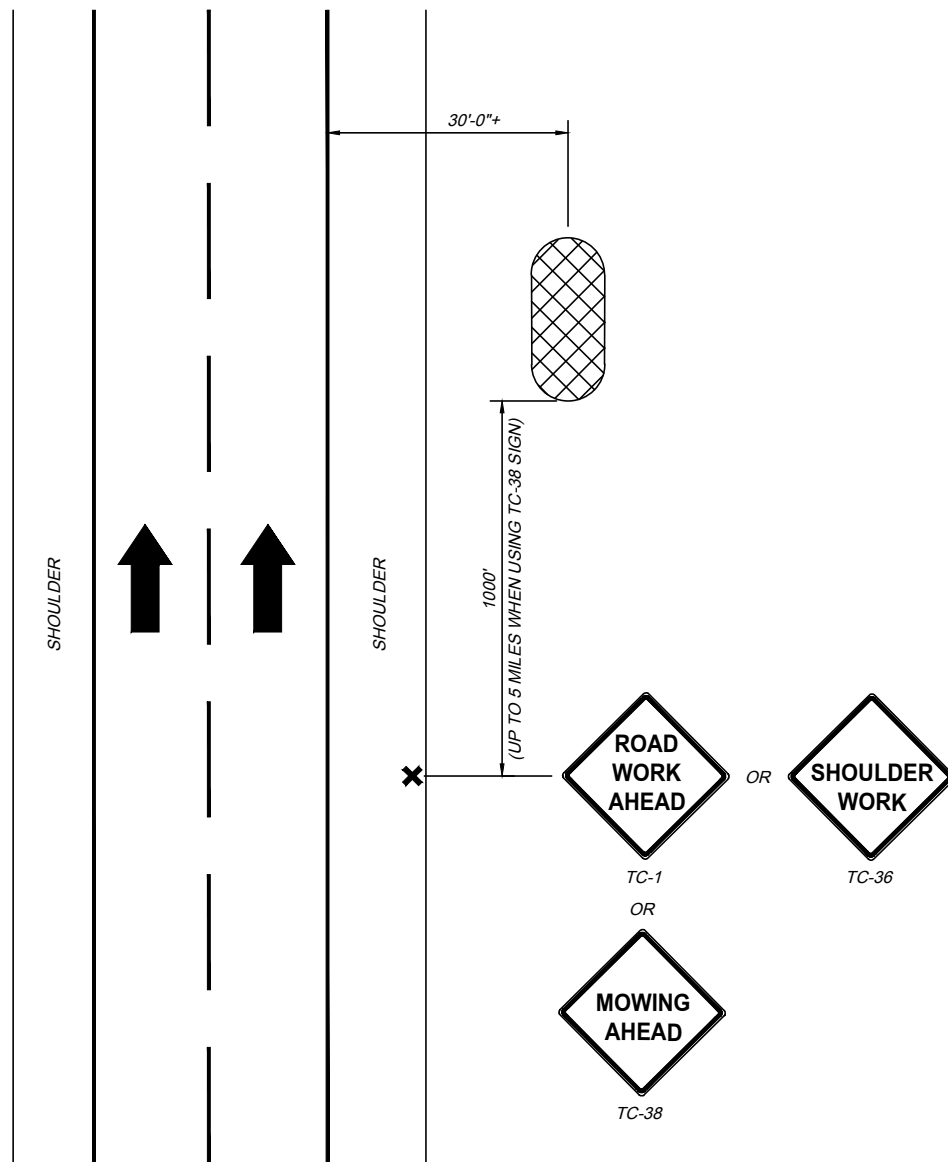
(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

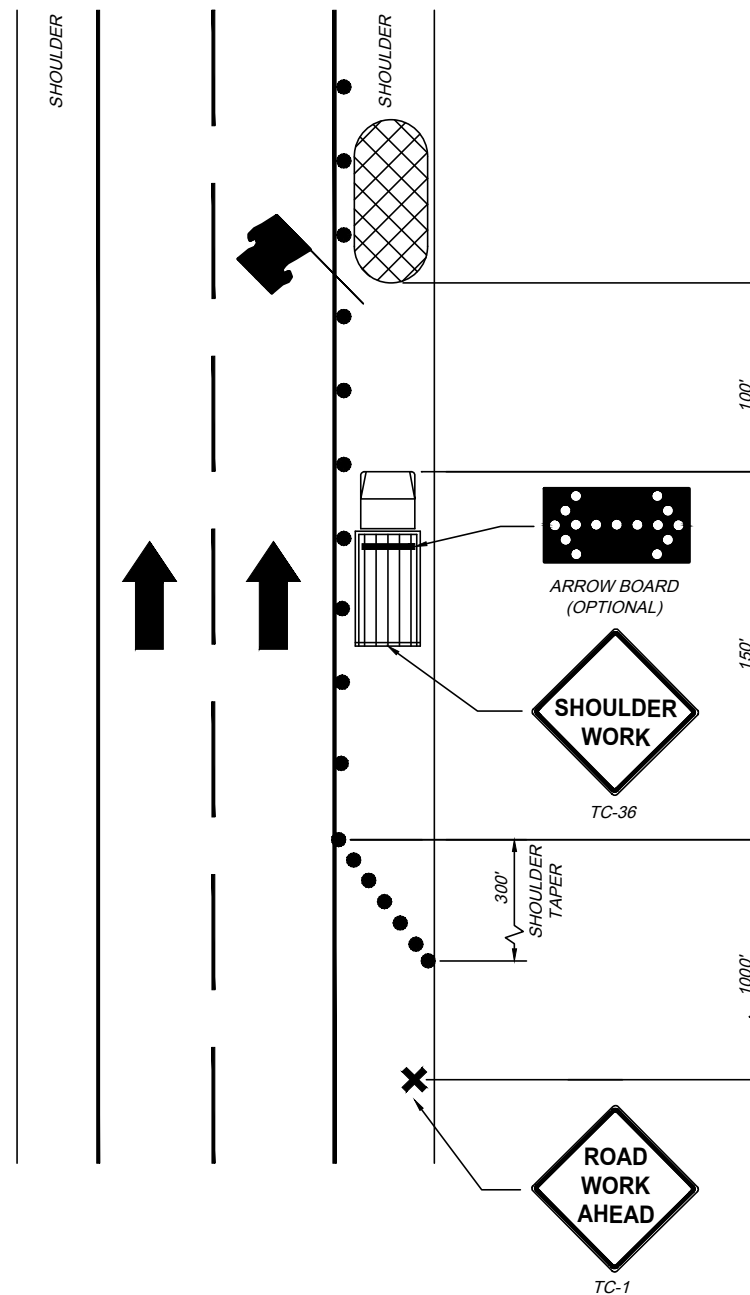
**BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT
OF RECEIPT OF ADDENDUM NO. 5 WITH THEIR BID.**



WORK BEYOND THE SHOULDER

NOTES:

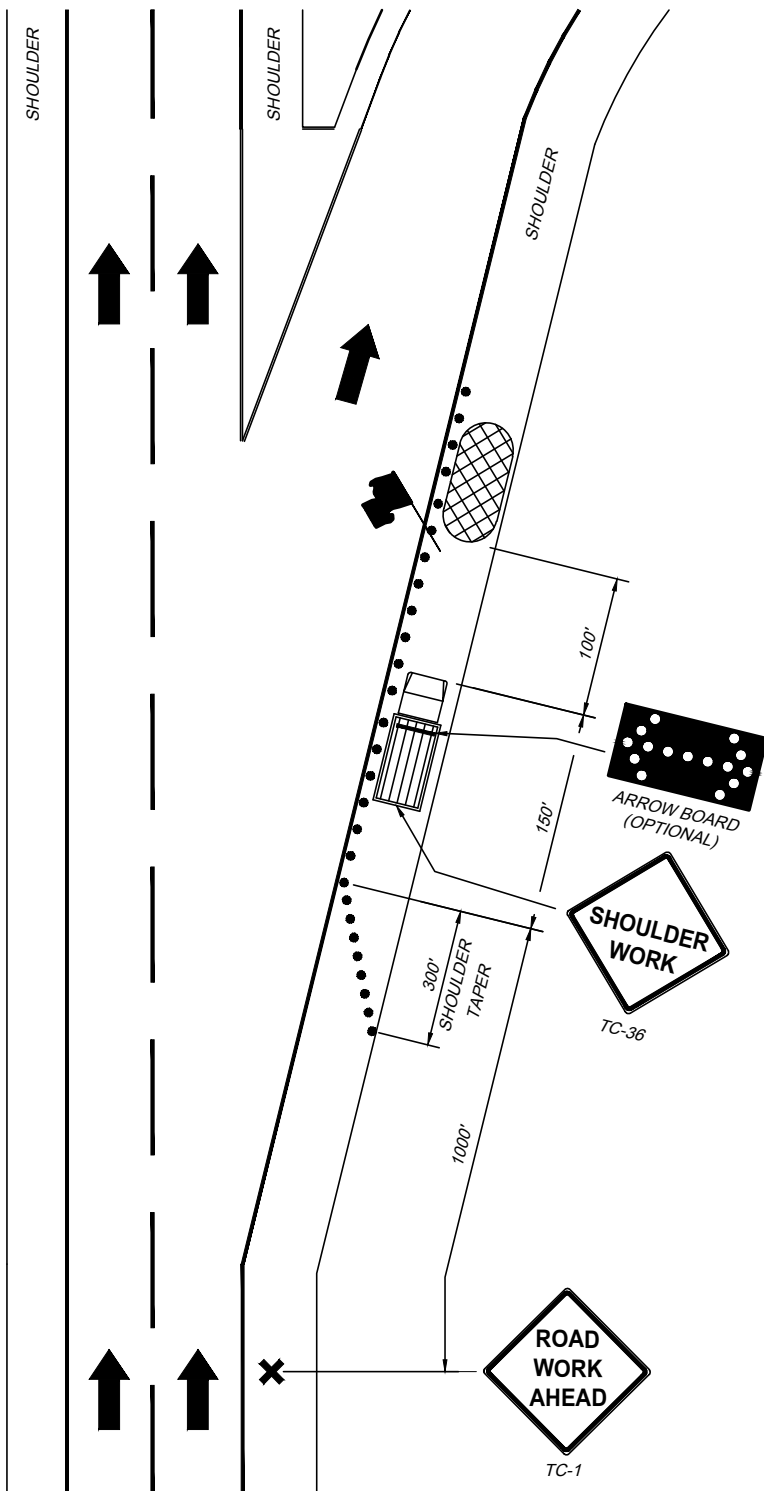
1. IF THE WORK AREA IS IN THE MEDIAN, PLACE AN ADVANCE WARNING SIGN ON THE LEFT AND RIGHT SIDE OF THE ROADWAY.
2. THE ADVANCE WARNING SIGN(S) MAY BE OMITTED WHERE THE WORK AREA IS MORE THAN 15 FEET FROM THE EDGE OF THE ROADWAY.
3. THE ADVANCE WARNING SIGN(S) MAY BE ELIMINATED IF A VEHICLE WITH ACTIVATED AMBER COLORED HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS IS USED.
4. VEHICLE HAZARD WARNING SIGNALS MAY BE USED TO SUPPLEMENT BUT NOT REPLACE THE AMBER COLORED HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS PER TCR-1.
5. SEE OTIC STANDARD DRAWING TCR-1 FOR DEFINITIONS.
6. SEE OTIC STANDARD DRAWING TCR-2 FOR LEGEND AND DETAILS.



STATIONARY SHOULDER CLOSURE

NOTES:

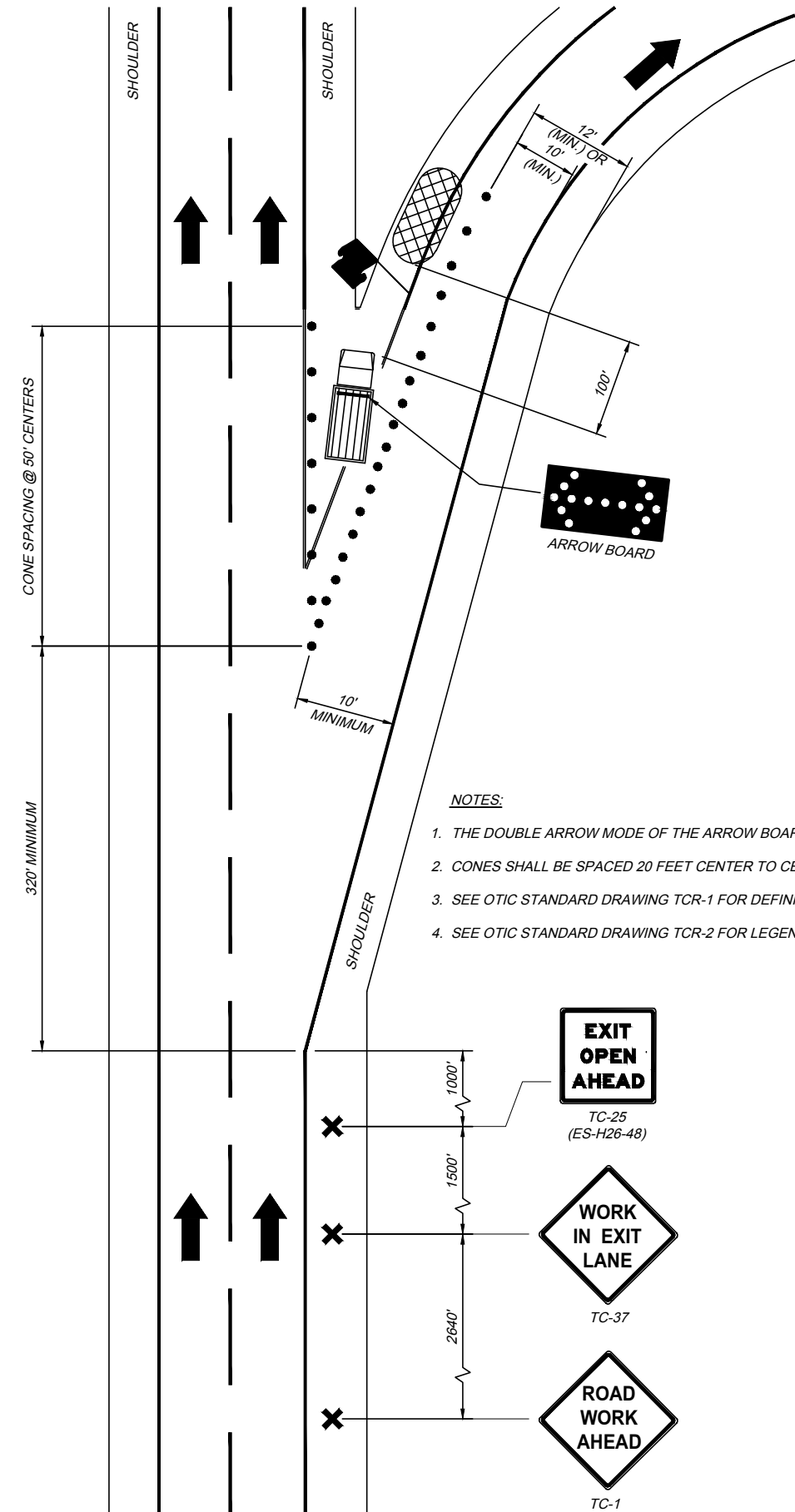
1. FOR SHORT DURATION INTERMITTENT CLOSURES, WARNING SIGNS MAY BE OMITTED WHEN THE BARRIER VEHICLE DISPLAYS AMBER COLORED HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS PER TCR-1 IF THE DISTANCE BETWEEN WORK LOCATIONS IS ONE MILE OR MORE, AND IF THE BARRIER VEHICLE TRAVELS AT VEHICULAR TRAFFIC SPEEDS BETWEEN LOCATIONS.
2. VEHICLE HAZARD WARNING SIGNALS MAY BE USED TO SUPPLEMENT BUT NOT REPLACE THE AMBER COLORED HIGH-INTENSITY, ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
3. IF AN ARROW PANEL IS USED, THE CAUTION MODE SHALL BE USED. THE ARROW PANEL MAY BE MOUNTED ON THE BARRIER VEHICLE OR IT MAY BE TRAILER MOUNTED.
4. CONES SHALL BE SPACED 50 FEET CENTER TO CENTER. CONES MAY BE OMITTED FOR SHORT DURATION INTERMITTENT ZONES.
5. IF THE WORK AREA IS IN THE MEDIAN, PLACE AN ADVANCE WARNING SIGN ON THE LEFT AND RIGHT SIDE OF THE ROADWAY.
6. SEE OTIC STANDARD DRAWING TCR-1 FOR DEFINITIONS.
7. SEE OTIC STANDARD DRAWING TCR-2 FOR LEGEND AND DETAILS.
8. SHORT DURATION INTERMITTENT CLOSURES FOR NON-CONSTRUCTION ACTIVITIES (SURVEYING, INSPECTION, DEBRIS REMOVAL, ETC.) DO NOT REQUIRE BARRIER VEHICLE OR FLAGGER; HOWEVER, THE WORK VEHICLE MUST DISPLAY AMBER COLORED HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.



NOTES:

1. FOR SHORT DURATION OR INTERMITTENT CLOSURES, WARNING SIGNS MAY BE OMITTED WHEN THE WORK VEHICLE DISPLAYS AMBER COLORED HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS PER TCR-1 IF THE DISTANCE BETWEEN WORK LOCATIONS IS ONE MILE OR MORE, AND IF THE WORK VEHICLE TRAVELS AT VEHICULAR TRAFFIC SPEEDS BETWEEN LOCATIONS.
2. VEHICLE HAZARD WARNING SIGNALS MAY BE USED TO SUPPLEMENT BUT NOT REPLACE THE AMBER COLORED HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
3. IF AN ARROW BOARD IS USED, THE CAUTION MODE SHALL BE USED. THE ARROW BOARD MAY BE MOUNTED ON THE BARRIER VEHICLE OR IT MAY BE TRAILER MOUNTED.
4. CONES SHALL BE SPACED 50 FEET CENTER TO CENTER. CONES MAY BE OMITTED FOR SHORT DURATION INTERMITTENT ZONES.
5. SEE OTIC STANDARD DRAWING TCR-1 FOR DEFINITIONS.
6. SEE OTIC STANDARD DRAWING TCR-2 FOR LEGEND AND DETAILS.

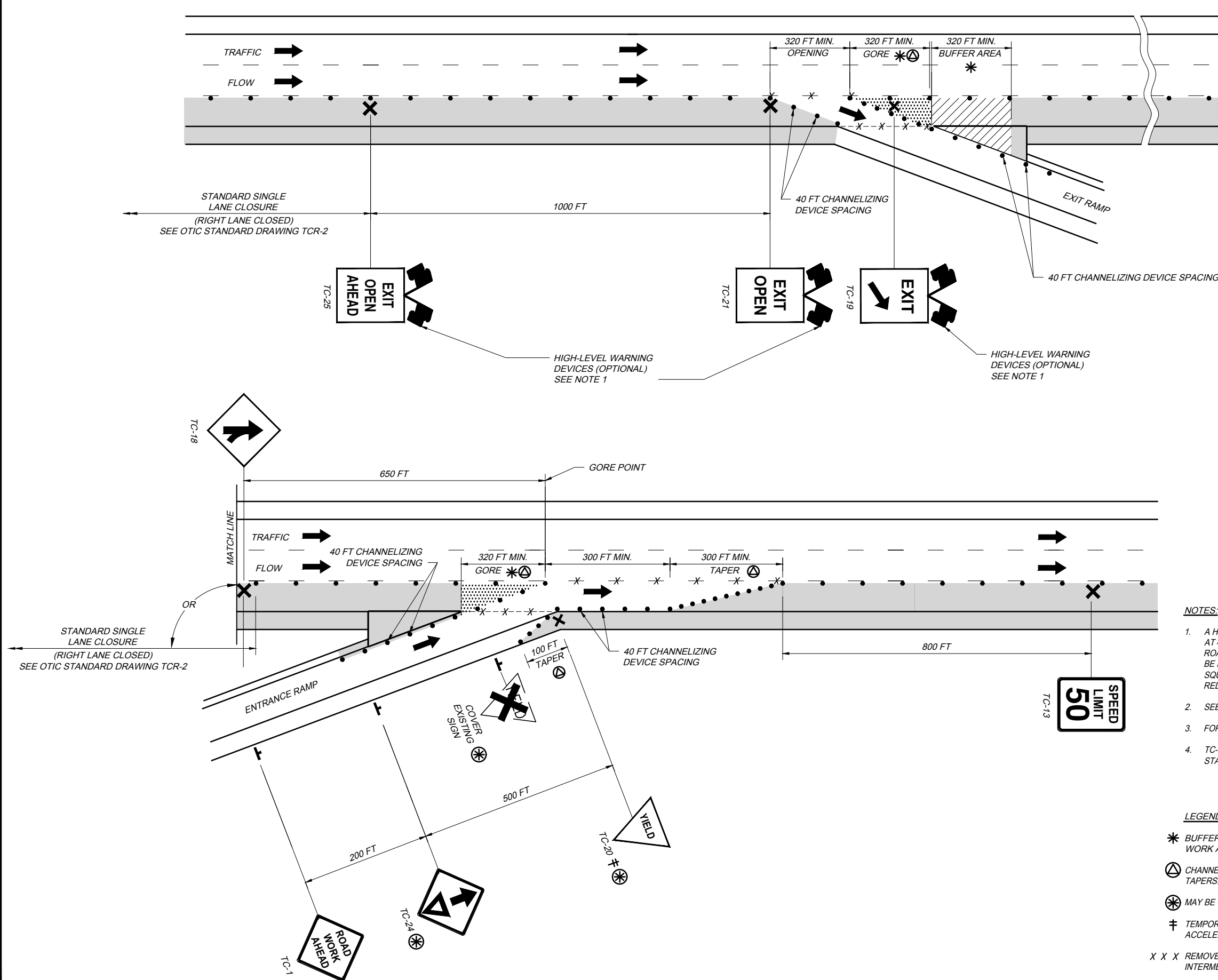
RAMP SHOULDER CLOSURE



NOTES:

1. THE DOUBLE ARROW MODE OF THE ARROW BOARD SHALL BE USED.
2. CONES SHALL BE SPACED 20 FEET CENTER TO CENTER, EXCEPT AS SHOWN.
3. SEE OTIC STANDARD DRAWING TCR-1 FOR DEFINITIONS.
4. SEE OTIC STANDARD DRAWING TCR-2 FOR LEGEND AND DETAILS.

TCR-9.1 2017.10.20.dwg; 10/25/17 - 4:48pm



NOTES:

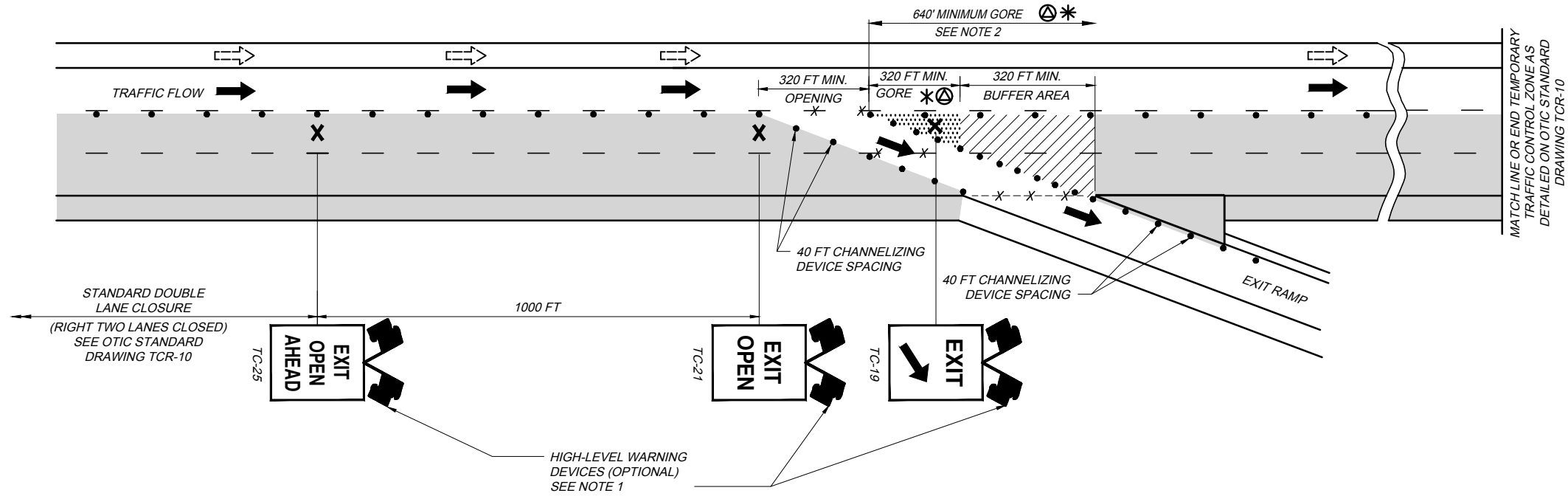
1. A HIGH-LEVEL WARNING DEVICE SHALL CONSIST OF TWO FLAGS AT 45 DEGREES TO THE VERTICAL. THE DISTANCE FROM THE ROADWAY TO THE LOWEST POINT OF THE FLAG MATERIAL SHALL BE NOT LESS THAN 8 FEET. THE FLAGS SHALL BE 16 INCHES SQUARE OR LARGER AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR.
2. SEE OTIC STANDARD DRAWING TCR-1 FOR DEFINITIONS.
3. FOR LEGEND AND DETAILS, SEE OTIC STANDARD DRAWING TCR-2.
4. TC-1 AND TC-24 SIGNS MAY BE MOUNTED ON X-FOOT PRINT SIGN STANDS FOR SHORT TERM STATIONARY ZONES.

LEGEND

- * BUFFER SPACES AND EXIT RAMP GORES SHALL BE KEPT FREE OF WORK ACTIVITIES, EQUIPMENT, VEHICLES AND MATERIALS.
- ⊕ CHANNELIZING DEVICES SHALL BE SPACED AT 20 FEET FOR INDICATED TAPERS.
- ⊗ MAY BE OMITTED FOR SHORT TERM STATIONARY ZONE.
- † TEMPORARY YIELD SIGN SHALL BE PLACED DIRECTLY ACROSS FROM THE ACCELERATION RAMP GORE POINT.
- X X X REMOVE DOTTED LANE LINE AND RPM REFLECTORS (OMIT FOR SHORT AND INTERMEDIATE TERM STATIONARY ZONES).

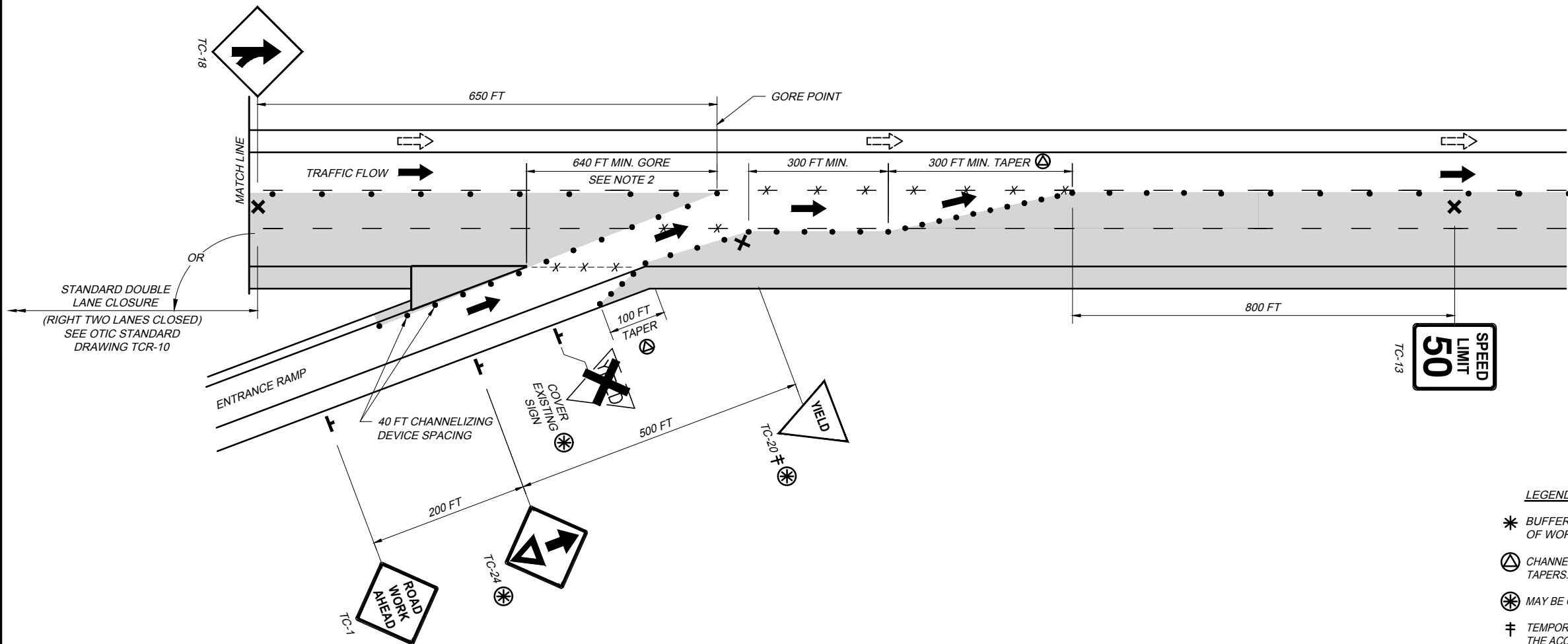
MATCH LINE OR END
TEMPORARY TRAFFIC CONTROL
ZONE AS DETAILED ON OTIC
STANDARD DRAWING TCR-2

TCR-9.3 2017.10.20.dwg; 10/25/17 - 4:50 pm



NOTES:

1. A HIGH-LEVEL WARNING DEVICE SHALL CONSIST OF TWO FLAGS AT 45 DEGREES TO THE VERTICAL. THE DISTANCE FROM THE ROADWAY TO THE LOWEST POINT OF THE FLAG MATERIAL SHALL BE NOT LESS THAN 8 FEET. THE FLAGS SHALL BE 16 INCHES SQUARE OR LARGER AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR.
2. WHEN TRAFFIC IS REDUCED TO ONE LANE, MAINTAINED ON THE INSIDE MAINLINE SHOULDER, THE 640 FT. MINIMUM GORE SHALL BE INCREASED TO A 960 FT. MINIMUM GORE CROSSING THE THREE CLOSED LANES.
3. FOR LEGEND AND DETAILS, SEE OTIC STANDARD DRAWING TCR-2.
4. TC-1 AND TC-24 SIGNS MAY BE MOUNTED ON X-FOOT PRINT SIGN STANDS FOR SHORT TERM STATIONARY ZONES.
5. SEE OTIC STANDARD DRAWING TCR-1 FOR DEFINITIONS.



LEGEND

- * BUFFER SPACES AND EXIT RAMP GORES SHALL BE KEPT FREE OF WORK ACTIVITIES, EQUIPMENT, VEHICLES AND MATERIALS.
- ⊙ CHANNELIZING DEVICES SHALL BE SPACED AT 20 FEET FOR INDICATED TAPERS.
- ⊙ MAY BE OMITTED FOR SHORT TERM STATIONARY ZONE.
- ≠ TEMPORARY YIELD SIGN SHALL BE PLACED DIRECTLY ACROSS FROM THE ACCELERATION RAMP GORE POINT.
- X X X REMOVE LANE LINE, DOTTED LINES, AND RPM REFLECTORS (OMIT FOR SHORT AND INTERMEDIATE TERM STATIONARY ZONES).
- ⇨ ADDITIONAL LANE OF TRAFFIC ON INSIDE SHOULDER WHEN REQUIRED BY CONTRACT PLANS.

DATE: OCTOBER 20, 2017

STANDARD DRAWING

TEMPORARY TRAFFIC CONTROL
DOUBLE LANE CLOSURE AT EXIT AND ENTRANCE RAMP

TCR-9.3

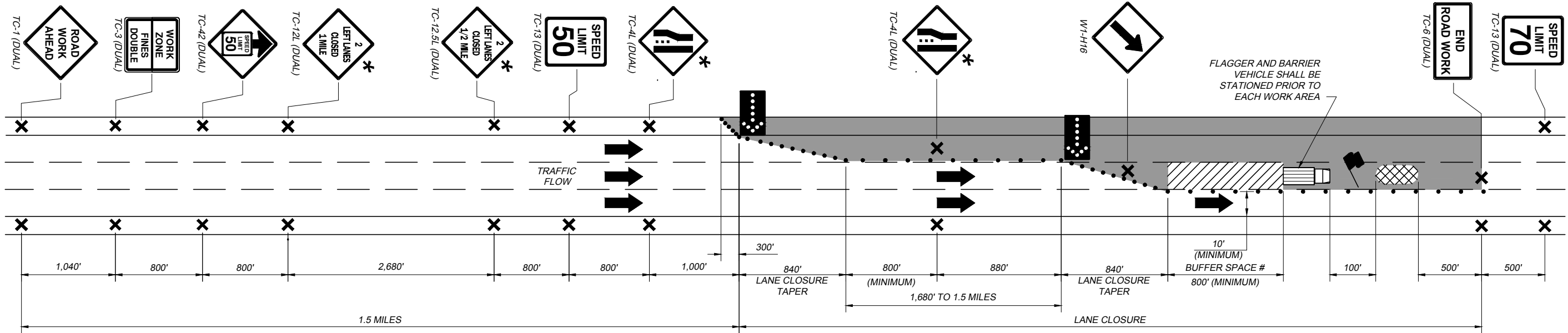
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OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

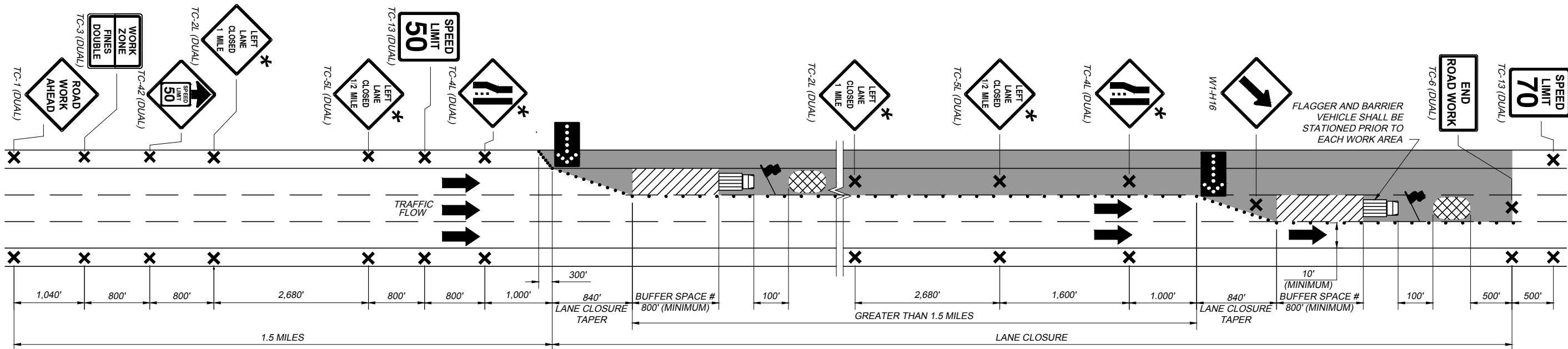
OHIO TURNPIKE

OHIO TURNPIKE

TCR-10 2017.10.20.dwg: 10/25/17 - 4:53pm



DOUBLE LANE CLOSURE
THREE - LANE ROADWAY



DOUBLE LANE CLOSURE ≠
THREE - LANE ROADWAY

NOTE:

- * - SUBSTITUTE "RIGHT LANE CLOSED" SIGNS (TC-2R, TC-5R, TC-4R) FOR "LEFT LANE CLOSED" SIGNS (SHOWN) WHEN RIGHT LANE IS CLOSED.
- # - THE BUFFER SPACE SHALL BE KEPT FREE OF WORK ACTIVITIES, EQUIPMENT, VEHICLES AND MATERIALS
- ≠ - IF THE SECOND LANE CLOSURE IS GREATER THAN 1.5 MILES FROM THE FIRST LANE CLOSURE THEN THE ZONE SHOULD BE SET AS TWO SINGLE LANE CLOSURES INSTEAD OF A DOUBLE LANE CLOSURE.

NOTES:

1. IN SECTIONS WHERE THE RIGHT LANE IS THE ONLY LANE OPEN TO TRAFFIC, ALL EMERGENCY PARKING AREAS (EPA) LOCATED WITHIN THE LANE CLOSURE SHALL BE CLOSED, AS FOLLOWS.
 - USE 42 INCH CONES OR DRUMS AT TWENTY (20) FOOT ON-CENTER SPACING TO EXTEND THE EDGE OF SHOULDER LONGITUDINALLY THROUGH THE EPA.
 - COVER ALL SIGNS RELATED TO THE EPA (E.G. "EMERGENCY PARKING ONLY" / "2 HOUR LIMIT", "NO PARKING EXCEPT FOR EMERGENCY", "EMERGENCY PARKING 1/2 MILE", ETC.)
2. FOR LEGENDS, DETAILS AND NOTES, SEE OTIC STANDARD DRAWING TCR-2.

STANDARD DRAWING

TEMPORARY TRAFFIC CONTROL
DOUBLE LANE CLOSURE

TCR-10

1 / 1

DATE: OCTOBER 20, 2017