

- 6 BUFFER SPACE (OPTIONAL). IF USED, THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL (OR CREST VERTICAL) CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES.
- (7) SPACING OF CHANNELIZING DEVICES THRU THE ACTIVITY AREA SHOULD BE 80'.

THIS DRAWING APPLIES TO LANE CLOSURES ON TWO-LANE, TWO DIRECTION HIGHWAYS.

SIGNING AND SPACING TABLE					
ROAD TYPE	А	В	С	D	SIGNS REQUIRED
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′	1 THRU 5
SP. LT. ≧ 45 MPH*	500′	500′	500′	1100′	1 THRU 5
SP. LT. ≤ 40 MPH*	250′	250′	250′	250′	1, 3 THRU 5

*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE
USE WITH CURRENT STD. DWG

LANE CLOSURE
TWO-LANE HIGHWAYS
CASE I

KENTUCKY

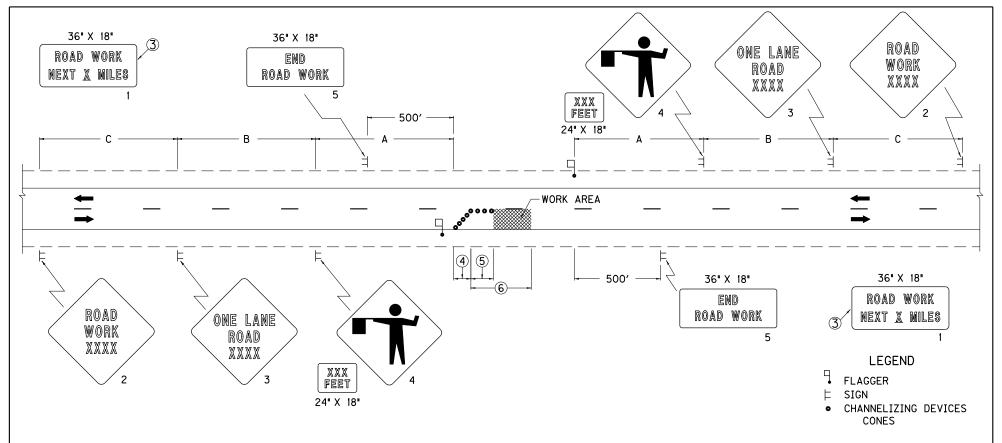
STANDARD DRAWING NO. TTC-100-01

SUBMITTED Using the Department of Traffic Operations DATE

APPROVED STATE HIGHWAY, ENGINEER DATE

11-21-07
DATE

11-21-07
DATE
DATE



- 1. THE SIZE OF SIGNS 2 THRU 4 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 2. THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE WORK AREA SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK SPACE (REFER TO TABLE 6E-1 OF THE MUTCD).
- 3 SIGN NO. I SHALL BE INSTALLED AT THE LIMITS OF THE PROJECT WHEN THE CONSTRUCTION ZONE IS LONGER THAN TWO MILES IN LENGTH. THE DISTANCE SHOWN SHALL BE STATED TO THE NEAREST WHOLE MILE.
- (4) TAPER SHALL HAVE A MAXIMUM LENGTH OF 100'. SPACING OF CONES SHOULD BE 20' THRU THE TAPER AREA.
- BUFFER SPACE (OPTIONAL). IF USED, THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL (OR CREST VERTICAL) CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES.
- © CONES SHALL BE PLACED THRU THE ACTIVITY AREA WHERE ROADWAY WIDTH PERMITS. SPACING OF CONES SHOULD BE

THIS DRAWING APPLIES TO LANE CLOSURES DURING DAYLIGHT HOURS ON TWO-LANE, TWO-DIRECTION HIGHWAYS WITH ROADWAY WIDTHS FROM 16 TO 20 FEET.

ROADS WITH WIDTHS LESS THAN 16 FEET SHOULD BE CLOSED TO THROUGH TRAFFIC. LOCAL TRAFFIC SHALL BE MAINTAINED.

SIGNING AND SPACING TABLE					
ROAD TYPE	Α	В	С		
EXPRESSWAY/ FREEWAY	1000′	1600′	2600′		
SP. LT. ≧ 45 MPH*	500′	500′	500′		
SP. LT. ≦ 40 MPH*	250′	250′	500′		

*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE

USE WITH CURRENT STD. DWG.

TTD-110

KENTUCKY

DEPARTMENT OF HIGHWAYS

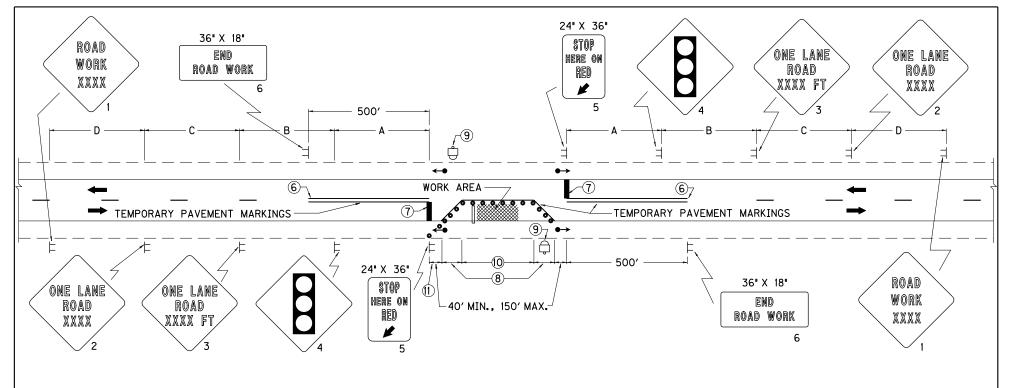
LANE CLOSURE

TWO-LANE HIGHWAY

CASE II

STANDARD DRAWING NO. TTC-105-01

APPROVED GTATE HIGHWAY, ENGINEER DATE



- 1. THE SIZE OF SIGNS 1 THRU 4 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 2. TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED AND OPERATED IN ACCORDANCE WITH THE PROVISIONS OF PART 4 OF THE MUTCD.
- 3. ALL SHOULDER MOUNTED SIGNAL HEADS SHALL BE A MINIMUM HEIGHT OF 12 FEET. ANY SIGNAL HEADS OR OTHER DEVICES MOUNTED OVER THE ROADWAY SHALL HAVE A MINIMUM UNDERCLEARANCE OF 17 FEET.
- 4. ALL CONFLICTING PAVEMENT MARKINGS BETWEEN THE STOP BARS SHALL BE OBLITERATED BY AN APPROVED METHOD.
- 5. ONE LUMINAIRE SHALL BE INSTALLED AT EACH END OF THE WORK AREA.
- (6) "NO PASSING" ZONES (500' MIN.) SHALL BE INSTALLED ON THE APPROACHES TO THE CLOSURE.
- (7) STOP BARS SHALL HAVE A WIDTH OF 24".
- (8) TAPERS SHALL HAVE A MAXIMUM LENGTH OF 100'. SPACING OF CHANNELIZING DEVICES SHOULD BE 20' THRU THE TAPER AREAS.

③ INSTALL OFFSET TYPE LUMINAIRE ON 45' WOOD POLE (ANCHOR AS NECESSARY). LUMINAIRE SHALL BE 240 V, 250 WATT HIGH PRESSURE SODIUM TYPE II DISTRIBUTION. LUMINAIRE SHALL BE HOLOPHANE HL2A250HP24YBZPR OR AMERICAN ELECTRIC 285 SERIES.

- (SPACING OF CHANNELIZING DEVICES THROUGH THE ACTIVITY AREA SHOULD BE 80'.
- ① SPACING OF CHANNELIZING DEVICES THROUGH SHOULDER TAPER SHOULD BE 20'.

<u>APPLICATION</u>

THIS DRAWING APPLIES TO LANE CLOSURES USING TRAFFIC SIGNALS ON TWO-LANE, TWO-DIRECTION HIGHWAYS.

SIGNING AND SPACING TABLE						
ROAD TYPE	Α	В	С	D		
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′		
SP. LT. ≧ 45 MPH*	500′	500′	500′	1100′		
SP. LT. ≦ 40 MPH*	250′	250′	500′	500′		

*NOTE: USE NORMAL POSTED SPEED LIMIT

LEGEND

TYPE III BARRICADE

SIGN

□ LUMINARE

F

 TRAFFIC SIGNAL
 CHANNELIZING DEVICES DRUMS

TYPE II BARRICADES

DRAWING NOT TO SCALE
USE WITH CURRENT STD. DWG.
TTD-110

KENTUCKY
DEPARTMENT OF HIGHWAYS

LANE CLOSURE
USING TRAFFIC SIGNALS

STANDARD DRAWING NO. TTC-110-01

SUBMITTED DIRECTOR DIVISION OF TRAFFIC OPERATIONS

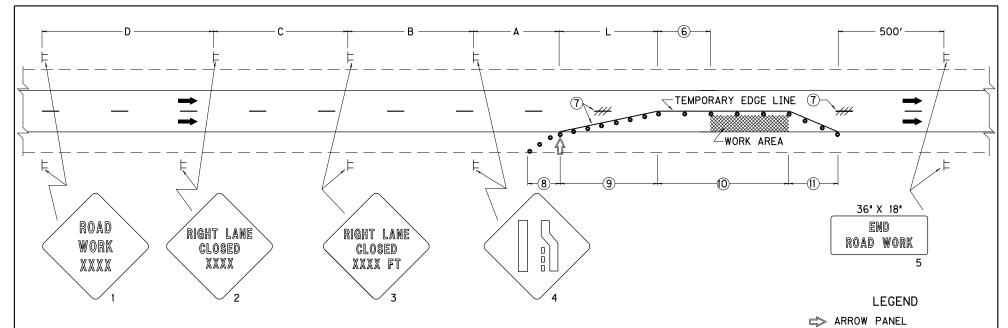
APPROVED Moveday Traffic OPERATIONS

APPROVED STATE INSTRUME, ENGINEER

DATE

11-21-0

DATE



- 1. IF MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN MUTCD. SIGNS 1 THRU 5 SHALL NOT BE DUAL MOUNTED.
- 2. THE SIZE OF SIGNS I THRU 4 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 3. AN ARROW PANEL SHALL BE LOCATED ON THE SHOULDER AT THE BEGINNING OF THE MERGING TAPER OR LOCATED IN THE CLOSED LANE WHEN THE SHOULDER IS NARROW.
- 4. ALL VEHICLES, EQUIPMENT, WORKERS, AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- 5. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- (6) BUFFER SPACE (OPTIONAL).
- (7) IF DURATION OF LANE CLOSURE EXCEEDS THREE DAYS, TEMPORARY EDGE LINE SHALL BE REQUIRED AND SKIP LINES SHALL BE OBLITERATED BY APPROVED METHOD THRU LENGTH OF TAPER. ANY OTHER CONFLICTING PAVEMENT MARKINGS SHALL BE OBLITERATED.
- (8) IF AN ARROW PANEL IS INSTALLED ON THE SHOULDER OR WITHIN THE CLEAR ZONE, A SHOULDER TAPER SHALL BE REQUIRED. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8'OR MORE ARE CLOSED, A SHOULDER TAPER SHALL BE REQUIRED. TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THRU THE SHOULDER TAPER SHOULD BE 40'.
- (9) SPACING OF CHANNELIZING DEVICES THRU THE MERGING TAPER SHOULD BE 40'.
- (O) SPACING OF CHANNELIZING DEVICES THRU THE ACTIVITY AREA SHOULD BE 80'.
- ① DOWNSTREAM TAPER SHALL HAVE A MAXIMUM LENGTH OF 100'. SPACING OF CHANNELIZING DEVICES THRU THE DOWNSTREAM TAPER SHOULD BE 20'.

THIS DRAWING APPLIES TO LANE CLOSURES OF LEFT OR RIGHT LANES ON TWO-DIRECTION, MULTI-LANE HIGHWAYS. IF TEMPORARY TRAFFIC BARRIER IS USED, REFER TO CURRENT STANDARD DRAWING TTC-120.

SIGNING AND SPACING TABLE						
ROAD TYPE	Α	В	С	D	L	
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′	840′	
SP. LT. ≥ 45 MPH*	500′	500′	500′	1100′	680′	
SP. LT. ≦ 40 MPH*	250′	250′	500′	500′	320′	

*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE USE WITH CURRENT STD. DWGS. TTD-110 AND TTC-160

□ SIGN

CHANNELIZING DEVICES

TYPE II BARRICADES

TUBULAR MARKERS

CONES

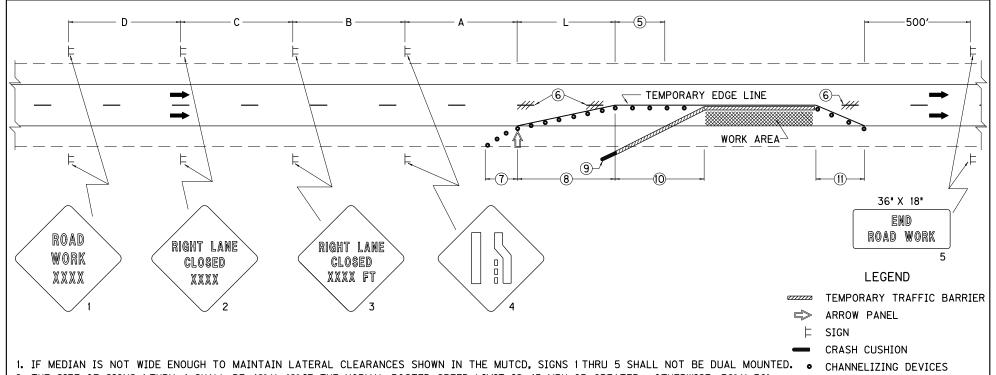
DRUMS

DEPARTMENT OF HIGHWAYS LANE CLOSURE MULTI-LANE HIGHWAY

KENTUCKY

CASE I STANDARD DRAWING NO. TTC-115-01

Marchy Mothers
STATE HIGHWAY ENGINEER



- 2. THE SIZE OF SIGNS 1 THRU 4 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 3. AN ARROW PANEL SHALL BE REQUIRED. IT SHALL BE LOCATED ON THE SHOULDER AT THE BEGINNING OF THE MERGING TAPER OR LOCATED IN THE CLOSED LANE WHEN THE SHOULDER IS NARROW.
- 4. THE BARRIER SHALL NOT BE PLACED ALONG THE MERGING TAPER. THE LANE SHALL FIRST BE CLOSED USING CHANNELIZING DEVICES AND PAVEMENT MARKINGS.
- (5) BUFFER SPACE (OPTIONAL).
- 6 SKIP LINES SHALL BE OBLITERATED BY AN APPROVED METHOD THRU LENGTH OF TAPERS. OTHER CONFLICTING PAVEMENT MARKINGS SHALL BE OBLITERATED.
- IF AN ARROW PANEL IS INSTALLED ON THE SHOULDER OR WITHIN THE CLEAR ZONE, A SHOULDER TAPER SHALL BE REQUIRED. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, A SHOULDER TAPER SHALL BE REQUIRED. TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THRU THE SHOULDER TAPER SHOULD BE 40'.
- (8) SPACING OF CHANNELIZING DEVICES THRU THE MERGING TAPER SHOULD BE 40'.
- 9 IN ORDER TO MITICATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.
- (10) SPACING OF CHANNELIZING DEVICES THRU THIS AREA SHOULD BE 80'.
- 1 DOWNSTREAM TAPER SHALL HAVE A MAXIMUM LENGTH OF 100'. SPACING OF CHANNELIZING DEVICES THRU THE DOWNSTREAM TAPER SHOULD BE 20'.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER					
DESIGN SPEED	70 MPH	60 MPH	50 MPH		
FLARE RATE	15:1	14:1	11:1		

THIS DRAWING APPLIES TO LANE CLOSURES OF LEFT OR RIGHT LANES USING TEMPORARY TRAFFIC BARRIER ON TWO-DIRECTION, MULTI-LANE HIGHWAYS. IF TEMPORARY TRAFFIC BARRIER IS NOT USED, REFER TO CURRENT STANDARD DRAWING TTC-115.

SIGNING AND SPACING TABLE						
ROAD TYPE	Α	В	С	D	L	
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′	840′	
SP. LT. ≧ 45 MPH*	500′	500′	500′	1100′	680′	
SP. LT. ≦ 40 MPH*	250′	250′	500′	500′	320′	

*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE

USE WITH CURRENT STD. DWGS. TTD-110 AND TTC-160

TYPE II BARRICADES

MENTUCKY
DEPARTMENT OF HIGHWAYS

I ANF CLOSURF

LANE CLOSURE
MULTI-LANE HIGHWAY
CASE II

STANDARD DRAWING NO. TTC-120-01

SUBMITTED Date of TRAFFIC OPERATIONS

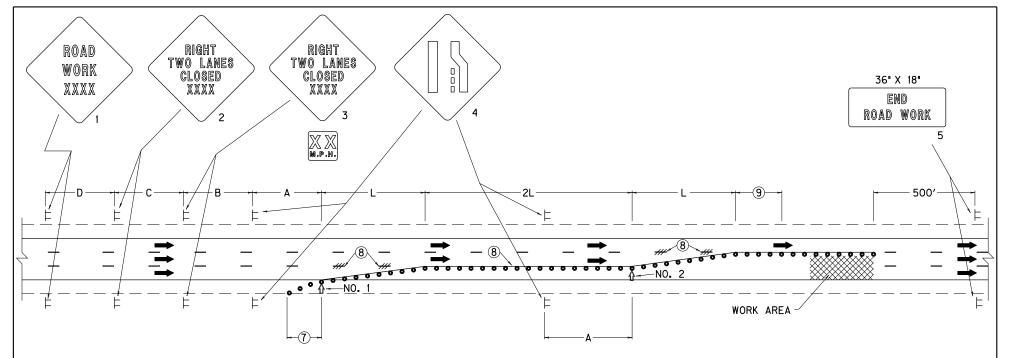
APPROVED Modellary Modellary

STATE HOSPING ENGINEER

11-21-07

DATE

11-21-07



- 1. THE SIZE OF SIGNS 1 THRU 4 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 2. WHEN MORE THAN TWO LANES ARE TO BE CLOSED, SIGNS 2 AND 3 SHALL AGREE WITH THE NUMBER OF LANES CLOSED. ADDITIONAL TRANSITION SIGNS AND ACCOMPANYING ARROW PANELS SHALL BE USED ACCORDINGLY. ADDITIONAL TAPERS AND TANGENTS FOR CHANNELIZING DEVICES SHALL BE THE SAME AS THOSE SHOWN.
- 3. THE ADVISORY SPEED LIMIT ON SIGN 3 SHALL BE 10 MPH LESS THAN THE NORMAL POSTED SPEED LIMIT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 4. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- 5. SPACING OF THE CHANNELIZING DEVICES THRU THE MERGING TAPERS SHOULD BE 40'. SPACING OF THE CHANNELIZING DEVICES THRU THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- 6. ARROW PANEL NO. I SHALL BE LOCATED ON THE SHOULDER AT THE BEGINNING OF THE FIRST MERGING TAPER. IF THE SHOULDER IS NARROW, ARROW PANEL NO. I SHALL BE LOCATED IN THE FIRST CLOSED LANE, ARROW PANEL NO. 2 SHALL BE PLACED IN THE FIRST CLOSED LANE, ARROW PANEL NO. 1 IS INSTALLED IN THE FIRST CLOSED LANE, ARROW PANEL NO. 2 SHALL BE PLACED IN THE SECOND CLOSED LANE AT THE DOWNSTREAM END OF THE SECOND MERGING TAPER.
- (7) IF ARROW PANEL NO. 1 IS INSTALLED ON THE SHOULDER OR WITHIN THE CLEAR ZONE, A SHOULDER TAPER SHALL BE REQUIRED. TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THRU THE SHOULDER TAPER SHOULD BE 40'.
- (8) IF DURATION OF LANE CLOSURE EXCEEDS THREE DAYS, TEMPORARY EDGE LINE SHALL BE REQUIRED AND SKIP LINES SHALL BE OBLITERATED BY APPROVED METHOD THRU THE LENGTH OF TAPERS. OTHER CONFLICTING PAVEMENT MARKINGS SHALL BE OBLITERATED.

(9) BUFFER SPACE (OPTIONAL).

APPLICATION

THIS DRAWING DEPICTS THE MIDDLE AND OUTSIDE LANES CLOSED ON A MULTI-LANE HIGHWAY. THE SAME PRINCIPLES APPLY WHEN THE MIDDLE AND INSIDE LANES ARE CLOSED. WHEN MORE THAN TWO LANES ARE CLOSED, REFER TO NOTE 2.

SIGNING AND SPACING TABLE					
ROAD TYPE	Α	В	С	D	L
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′	840′
SP. LT. ≧ 45 MPH*	500′	500′	500′	1100′	680′
SP. LT. ≦ 40 MPH*	250′	250′	500′	500′	320′

*NOTE: USE NORMAL POSTED SPEED LIMIT

LEGEND

ARROW PANEL

⊨ SIGN

CHANNELIZING DEVICES

CONES DRUMS TYPE II BARRICADES TUBULAR MARKERS

DRAWING NOT TO SCALE

USE WITH CURRENT STD. DWGS. TTD-110 AND TTC-160

KENTUCKY DEPARTMENT OF HIGHWAYS DOUBLE

LANE CLOSURE

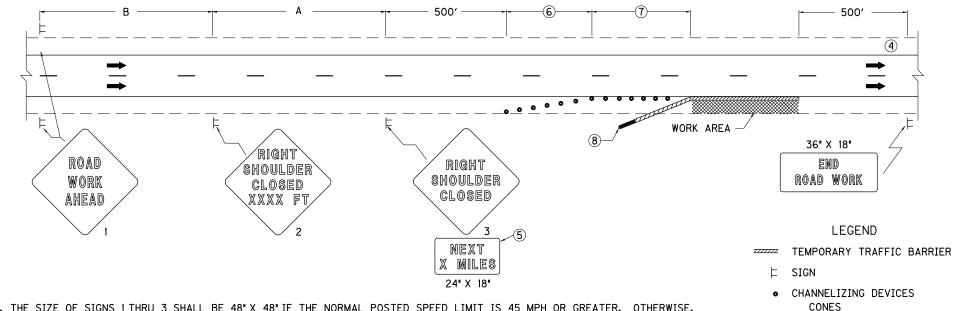
STANDARD DRAWING NO. TTC-125-01

SUBMITTED DIRECTOR, DIVISION OF TRAFFIC OPERATIONS

APPROVED MOMENT MACHINE ENGINEER

11-21-0
DATE

11-21-0
DATE



- 1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 2, SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD, SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
- 3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- (4) ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD"AND "SHOULDER WORK"SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK"SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- (5) WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS. A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN.
- (6) TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- (7) SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- (8) TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER					
DESIGN SPEED	70 MPH	60 MPH	50 MPH		
FLARE RATE	15:1	14:1	11:1		

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS. AND ONE-WAY HIGHWAYS.

SIGNING AND SPACING TABLE					
ROAD TYPE	Α	В	L		
EXPRESSWAY/ FREEWAY	1000′	1600′	840′		
SP. LT. ≥ 45 MPH*	500′	500′	680′		
SP. LT. <u>≤</u> 40 MPH*	500′	500′	320′		

*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE USE WITH CURRENT STD. DWG.

DRUMS

TTD-110

CRASH CUSHION

TYPE II BARRICADES

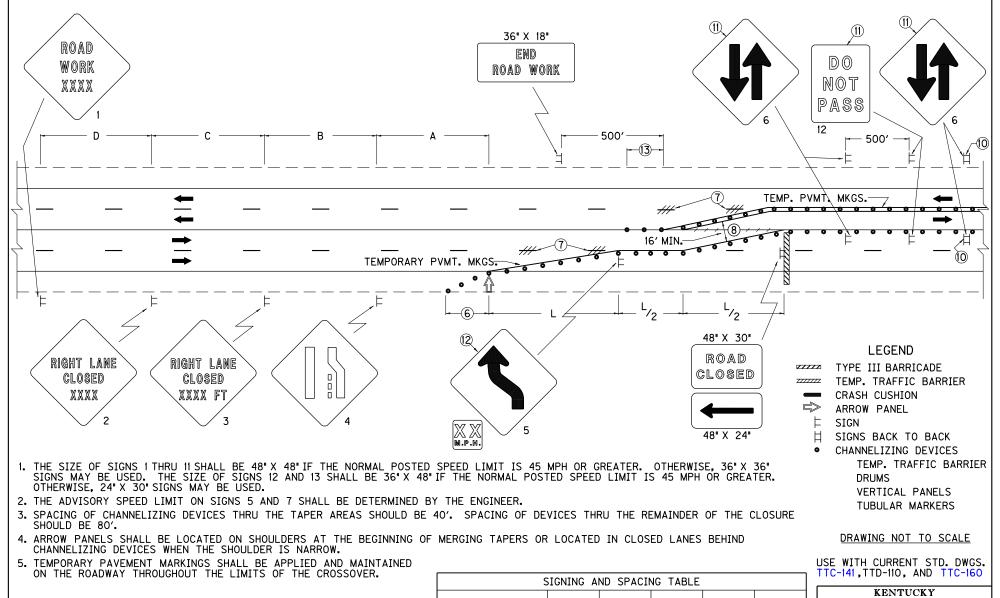
TUBULAR MARKERS

KENTUCKY DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

Marelyn Mathemas STATE HIGHWAY ENGINEER



THIS DRAWING APPLIES TO A MEDIAN CROSSOVER ON MULTI-LANE HIGHWAYS WITH A MEDIAN WIDTH OF 10' OR LESS.

(CONTINUED ON CURRENT STD. DWG. TTC-141)

SIGNING AND SPACING TABLE						
ROAD TYPE	Α	В	С	D	L	
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′	840′	
SP. LT. ≥ 45 MPH*	500′	500′	500′	1100′	680′	
SP. LT. ≤ 40 MPH*	250′	250′	500′	500′	320′	

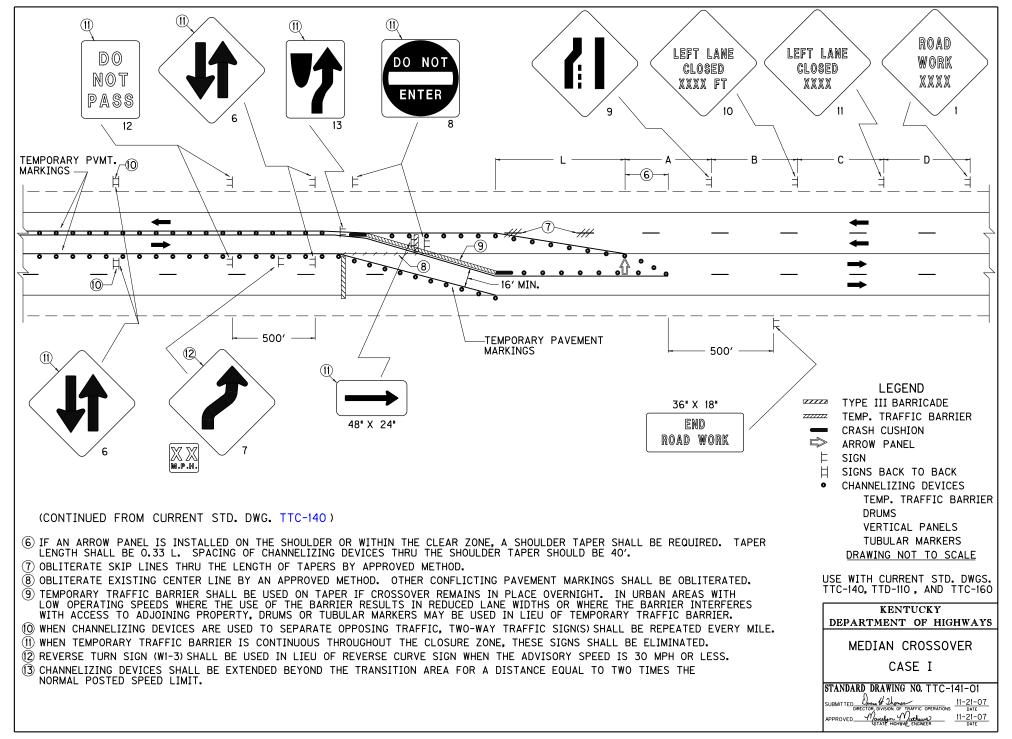
*NOTE: USE NORMAL POSTED SPEED LIMIT

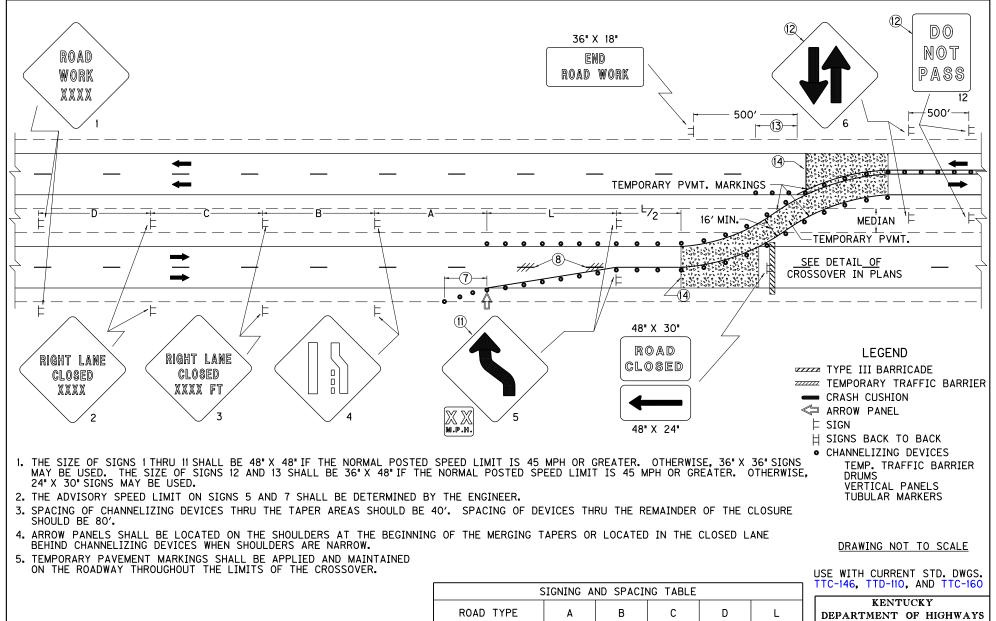
DEPARTMENT OF HIGHWAYS

MEDIAN CROSSOVER CASE I

STANDARD DRAWING NO. TTC-140-01

SUBMITTED Lines & Lances
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS
APPROVED MOUNTAIN MOTHERS
STATE HIGHWAY ENGINEER





THIS DRAWING APPLIES TO A MEDIAN CROSSOVER ON MULTI-LANE HIGHWAYS WITH A MEDIAN WIDTH GREATER THAN 10 FEET.

(CONTINUED ON CURRENT STD. DWG. TTC-146)

S	SIGNING AND SPACING TABLE						
ROAD TYPE	Α	В	С	D	L		
EXPRESSWAY/ FREEWAY	1000′	500′	1100′	2600′	840′		
SP. LT. ≧ 45 MPH*	500′	500′	500′	1100′	680′		
SP. LT. ≦ 40 MPH*	250′	250′	500′	500′	320′		

*NOTE: USE NORMAL POSTED SPEED LIMIT

EPARTMENT OF HIGHWAY

MEDIAN CROSSOVER

CASE II

STANDARD DRAWING NO. TTC-145-01

DIRECTOR, DIVISION OF TRAFFIC OPERATIONS

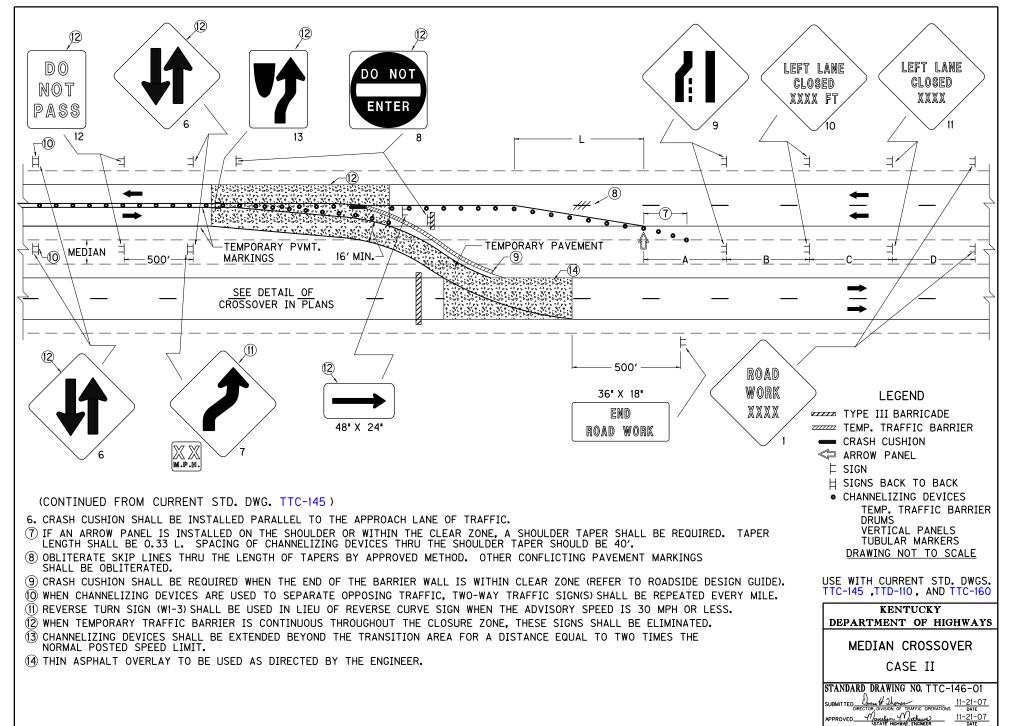
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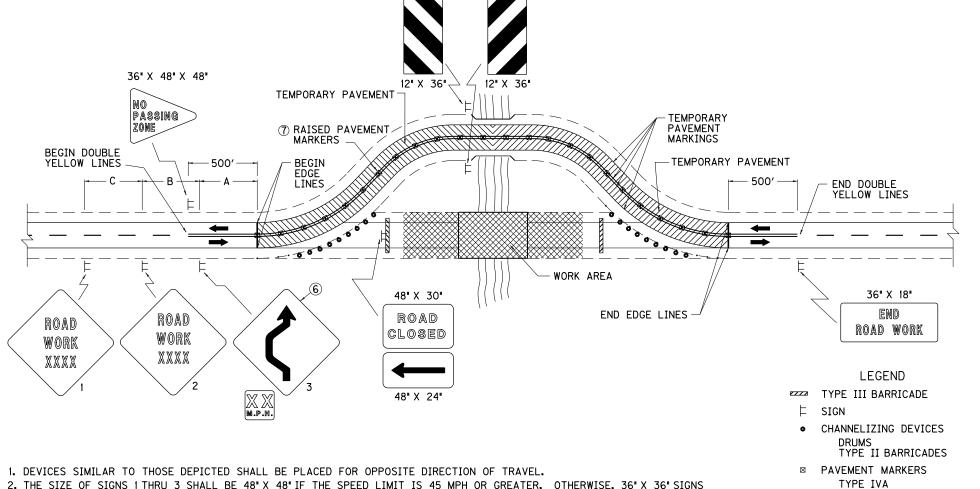
STATE HIGHWAY ENGINEER

11-21-07

DATE

DATE





- 2. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 3. THE ADVISORY SPEED LIMIT ON SIGN 3 SHALL BE DETERMINED BY THE ENGINEER.
- 4. PAVEMENT MARKINGS WHICH ARE NO LONGER APPLICABLE SHALL BE OBLITERATED BY AN APPROVED METHOD.
- 5. SPACING OF CHANNELIZING DEVICES SHOULD NOT EXCEED 20'.
- (6) IF THE TANGENT DISTANCE ALONG THE TEMPORARY DIVERSION IS MORE THAN 600 FEET, A REVERSE CURVE SIGN, LEFT FIRST, SHOULD BE USED INSTEAD OF THE DOUBLE REVERSE CURVE SIGN, AND A SECOND REVERSE CURVE SIGN, RIGHT FIRST, SHOULD BE PLACED IN ADVANCE OF THE SECOND REVERSE CURVE BACK TO THE ORIGINAL ALIGNMENT. WHEN THE TANGENT SECTION OF THE DIVERSION IS MORE THAN 600 FEET, AND THE DIVERSION HAS SHAPP CURVES WITH RECOMMENDED SPEEDS OF 30 MPH OR LESS, REVERSE TURN SIGNS SHOULD BE USED.
- RAISED PAVEMENT MARKERS ARE REQUIRED ONLY FOR HARD SURFACE ROADWAYS. TYPE IVA MARKERS SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LIMITS OF THE DIVERSION AT A SPACING OF 20'.

SIGNING AND SPACING TABLE					
ROAD TYPE	Α	В	С		
EXPRESSWAY/ FREEWAY	1000′	1600′	2600′		
SP. LT. ≧ 45 MPH*	500′	500′	500′		
SP. LT. ≤ 40 MPH*	250′	250′	500′		

*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE
USE WITH CURRENT STD. DWG.

(BI-DIRECTIONAL YELLOW)

TTD-110

KENTUCKY DEPARTMENT OF HIGHWAYS

> ROAD CLOSURE WITH DIVERSION

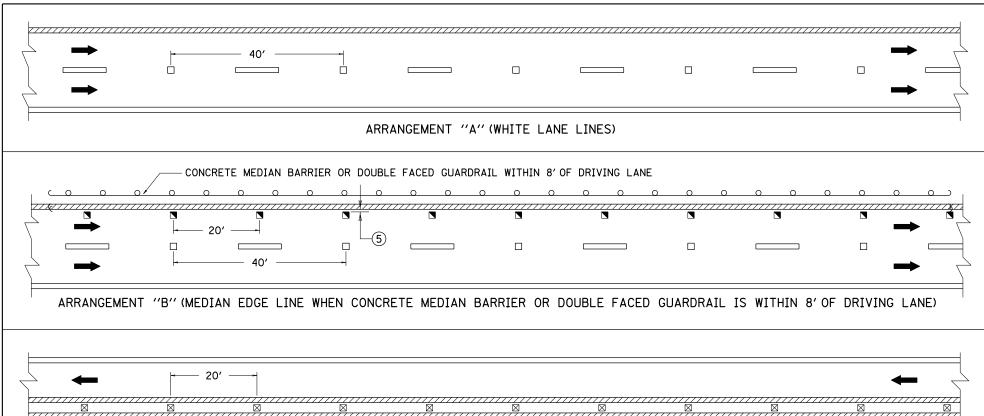
STANDARD DRAWING NO. TTC-150-01

SUBMITTED June of Traffic OPERATIONS

APPROVED CATAL HIGHWAY ENGINEER

11-21-07
DATE

11-21-07
DATE



ARRANGEMENT "C" (DOUBLE YELLOW CENTER LINES)

GENERAL NOTES

- 1. NO TEMPORARY PAVEMENT MARKERS SHALL BE APPLIED TO FINAL PAVED SURFACES EXCEPT IN TRANSITION AREAS, WHERE MARKERS WILL BE INSTALLED IN ACCORDANCE WITH THESE ARRANGEMENTS AND AS DIRECTED BY THE ENGINEER.
- 2. BI-DIRECTIONAL MARKERS, (WHITE-RED) OR (YELLOW-RED), MAY BE USED IN LIEU OF MONO-DIRECTIONAL MARKERS IF RED FACE WILL NOT BE VISIBLE TO OPPOSING TRAFFIC IN THEIR NORMAL TRAVEL LANE.
- 3. MARKERS INSTALLED AT DOUBLE YELLOW CENTERLINES SHALL BE PLACED BETWEEN THE TWO LINES.
- 4. MARKERS INSTALLED ALONG LANE LINES SHALL BE PLACED BETWEEN AND IN LINE WITH THE SKIPS.
- (5) MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE MARKER IS NO MORE THAN I"FROM THE NEAR EDGE OF THE LINE.

LEGEND

- TYPE IVA MONO-DIRECTIONAL (YELLOW)
- TYPE IVA MONO-DIRECTIONAL (WHITE)
- MARKINGS (YELLOW)
 - MARKINGS (WHITE)

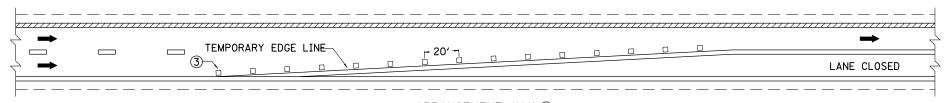
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

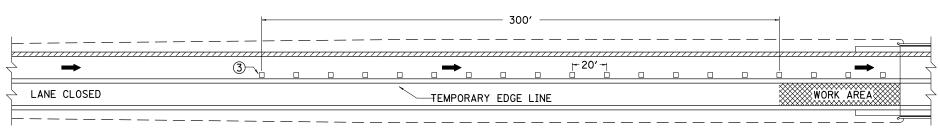
TEMPORARY PAVEMENT MARKER ARRANGEMENTS FOR CONSTRUCTION ZONES

STANDARD DRAWING NO. TTC-155-01

APPROVED Marelyn Morteuw
STATE HIGHWAY ENGINEER



ARRANGEMENT "A" (1)



ARRANGEMENT "B" (2)

THIS DRAWING APPLIES TO LANE CLOSURE TRANSITIONS OR CASES WHERE DELINEATION IS DESIRABLE WITHIN LANE CLOSURES ON MULTI-LANE HIGHWAYS, THE DRAWINGS DEPICT LANE CLOSURES IN THE OUTSIDE LANE, WHEN THE INSIDE LANE IS CLOSED, THE SAME PRINCIPLES APPLY, EXCEPT MONO-DIRECTIONAL (YELLOW) MARKERS SHALL BE USED. BI-DIRECTIONAL MARKERS. (WHITE-RED) OR (YELLOW-RED). MAY BE USED IN LIEU OF MONO-DIRECTIONAL MARKERS IF RED FACE WILL NOT BE VISIBLE TO OPPOSING TRAFFIC IN THEIR NORMAL TRAVEL LANE.

THIS STANDARD DRAWING SHALL BE USED IN CONJUNCTION WITH THE APPROPRIATE STANDARD DRAWING FOR THE LANE CLOSURE.

GENERAL NOTES

- ① ARRANGEMENT "A" SHALL BE APPLIED WHEN THE LANE CLOSURE IS TO BE IN EFFECT AT THE SAME LOCATION FOR FOUR (4) DAYS OR GREATER AND THE EXISTING ADT IS 5.000 OR GREATER.
- ② ARRANGEMENT "B" SHALL BE APPLIED WHEN THE EXISTING PAVEMENT HAS BEEN REMOVED ADJACENT TO TRAFFIC (INCLUDING BRIDGE ENDS AND OTHER SPOT IMPROVEMENTS).
- (3) MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE CASTING IS NO MORE THAN 1" FROM THE NEAR EDGE OF THE LINE.

LEGEND

TYPE IVA MONO-DIRECTIONAL (WHITE)

MARKINGS (YELLOW)

MARKINGS (WHITE)

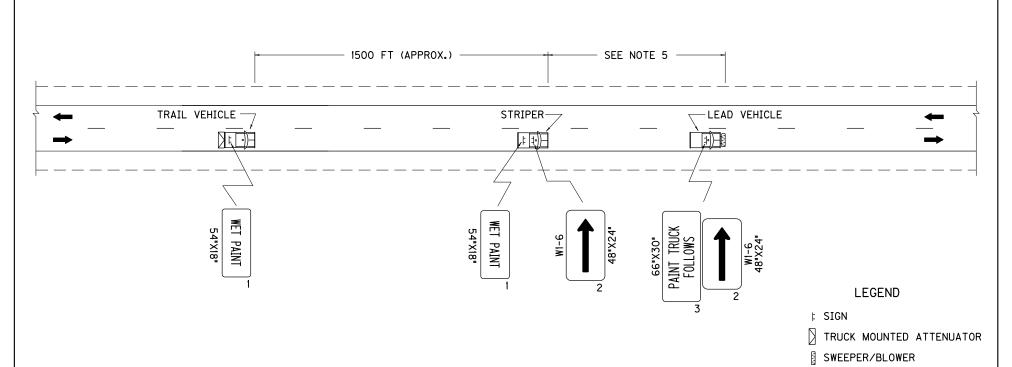
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

TEMPORARY PAVEMENT MARKER ARRANGEMENTS FOR LANE CLOSURES

STANDARD DRAWING NO. TTC-160-01

APPROVED Mary Martine



- 1. SIGNS 1 THRU 3 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLOURESCENT ORANGE SHEETING.
- 2, ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 3. THE LAST TRAIL VEHICLE IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 4. THE LEAD VEHICLE SHALL MAINTAIN VISUAL CONTACT WITH THE STRIPER WHENEVER POSSIBLE TO COORDINATE ON AND OFF THE ROAD MANEUVERS. THE STRIPING TRAIN SHALL BE REQUIRED TO PULL OFF THE ROADWAY PERIODICALLY TO ALLEVIATE TRAFFIC CONGESTION.
- 5. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE STRIPING TRAIN.
- 6. ADDITIONAL VEHICLES MAY BE ADDED TO THE STRIPING TRAIN AS NEEDED TO PROTECT THE FRESHLY PAINTED LINE.
- 7. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 8, VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS. IF AN ARROW PANEL IS USED, IT SHALL BE USED IN THE CAUTION MODE.

THIS DRAWING APPLIES TO STRIPING OPERATIONS ON TWO-LANE, TWO-WAY ROADWAYS INVOLVING THE PLACEMENT OF EDGE LINES ONLY.

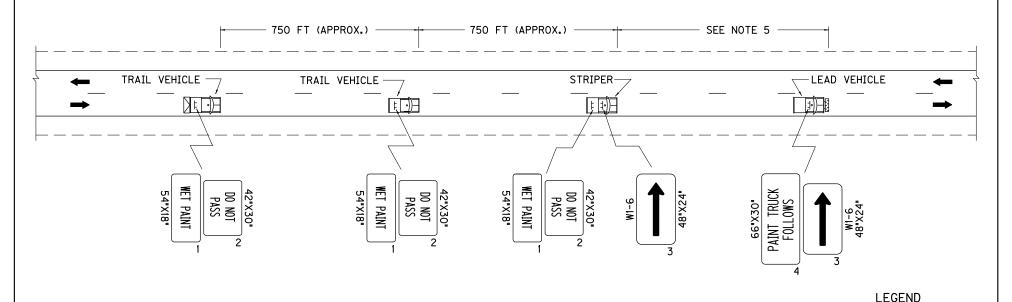
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

MOBILE OPERATION FOR PAINT STRIPING CASE I

STANDARD DRAWING NO. TTS-100-01

SUBMITTED LINE & LINEAR SUBMITTED DEPOSITIONS OF TRAFFIC OPERATIONS APPROVED Mouthern Mouthway STATE HIGHWAL ENGNEER



- ‡ SIGN
- TRUCK MOUNTED ATTENUATOR
- SWEEPER/BLOWER
- 1. SIGNS 1,3, AND 4 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLUORESCENT ORANGE SHEETING. SIGN 2 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF REFLECTIVE WHITE SHEETING.
- 2. ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 3. THE LAST TRAIL VEHICLE IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 4. THE LEAD VEHICLE SHALL MAINTAIN VISUAL CONTACT WITH THE STRIPER WHENEVER POSSIBLE TO COORDINATE ON AND OFF THE ROAD MANEUVERS. THE STRIPING TRAIN SHALL BE REQUIRED TO PULL OFF THE ROADWAY PERIODICALLY TO ALLEVIATE TRAFFIC CONGESTION.
- 5. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE STRIPING TRAIN.
- 6. ADDITIONAL VEHICLES MAY BE ADDED TO THE STRIPING TRAIN AS NEEDED TO PROTECT THE FRESHLY PAINTED LINE.
- 7. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 8. VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS. IF AN ARROW PANEL IS USED, IT SHALL BE USED IN THE CAUTION MODE.

THIS DRAWING APPLIES TO STRIPING OPERATIONS ON TWO-LANE, TWO-WAY ROADWAYS INVOLVING THE PLACEMENT OF EITHER THE CENTERLINE ONLY OR A COMBINATION OF THE CENTERLINE AND EDGE LINE.

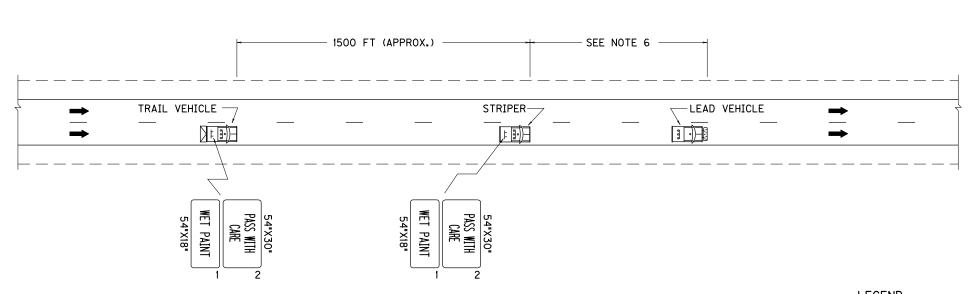
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

> MOBILE OPERATION FOR PAINT STRIPING CASE II

STANDARD DRAWING NO. TTS-105-01

SUBMITTED John W Johnson
DERECTOR DIVISION OF TRAFFIC OPERATIONS
APPROVED JOHN OF TRAFFIC OPERATIONS
APPROVED STATE HIGHWAL ENGAGER



LEGEND

- | FLASHING ARROW PANELS
- ‡ SIGN
- TRUCK MOUNTED ATTENUATOR
- SWEEPER/BLOWER

- 1. FLASH ARROW PANELS TO DIRECT TRAFFIC RIGHT OR LEFT AS APPROPRIATE. FLASHING ARROW PANELS SHALL BE TYPE B (60"X30") OR LARGER.
- 2, SIGN 1 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLOURESCENT ORANGE SHEETING, SIGN 2 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF REFLECTIVE WHITE SHEETING.
- 3, ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 4. THE LAST TRAIL VEHICLE IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 5. THE LEAD VEHICLE SHALL MAINTAIN VISUAL CONTACT WITH THE STRIPER.
- 6. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE STRIPING TRAIN.
- 7. ADDITIONAL VEHICLES MAY BE ADDED TO THE STRIPING TRAIN AS NEEDED TO PROTECT THE FRESHLY PAINTED LINE.
- 8. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 9, VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

APPLICATION

THIS DRAWING APPLIES TO PAINT STRIPING OPERATIONS ON MULTI-LANE ROADWAYS INVOLVING THE PLACEMENT OF EDGE LINES ONLY.

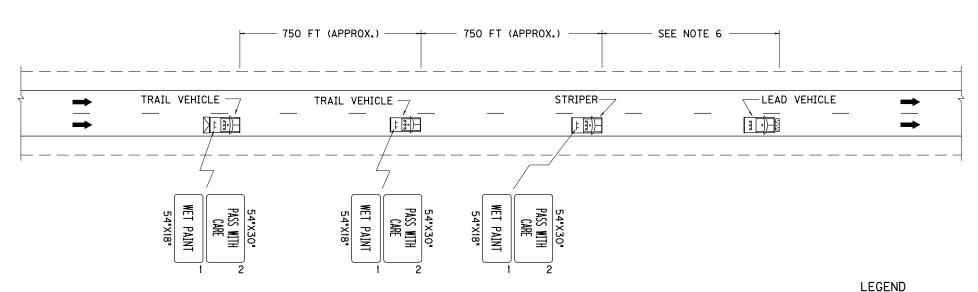
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

MOBILE OPERATION FOR PAINT STRIPING CASE III

STANDARD DRAWING NO. TTS-110-01

Marelyn Moderne



- 1. FLASH ARROW PANELS TO DIRECT TRAFFIC RIGHT OR LEFT AS APPROPRIATE. FLASHING ARROW PANELS SHALL BE TYPE B (60"X30") OR LARGER.
- 2, SIGN 1 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLUORESCENT ORANGE SHEETING, SIGN 2 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF REFLECTIVE WHITE SHEETING.
- 3, ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 4. THE LAST TRAIL VEHICLE IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 5. THE LEAD VEHICLE SHALL MAINTAIN VISUAL CONTACT WITH THE STRIPER.
- 6. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE STRIPING TRAIN.
- 7. ADDITIONAL VEHICLES MAY BE ADDED TO THE STRIPING TRAIN AS NEEDED TO PROTECT THE FRESHLY PAINTED LINE.
- 8. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 9, VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

THIS DRAWING APPLIES TO PAINT STRIPING OPERATIONS ON MULTI-LANE ROADWAYS INVOLVING EITHER THE PLACEMENT OF LANE LINES ONLY OR A COMBINATION OF LANE LINES AND EDGE LINES.

| FLASHING ARROW PANELS

‡ SIGN

TRUCK MOUNTED ATTENUATOR

SWEEPER/BLOWER

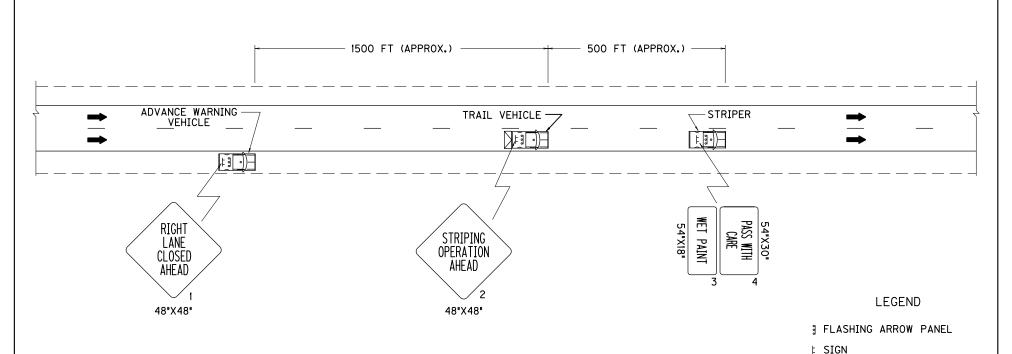
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

MOBILE OPERATION FOR PAINT STRIPING CASE IV

STANDARD DRAWING NO. TTS-115-01

SUBMITTED LINE & LINEAR SUBMITTED DEPOSITIONS OF TRAFFIC OPERATIONS APPROVED Mouthern Mouthway STATE HIGHWAL ENGNEER



- 1. FLASH ARROW PANELS TO DIRECT TRAFFIC RIGHT OR LEFT AS APPROPRIATE. FLASHING ARROW PANELS SHALL BE TYPE B (60"X30") OR LARGER.
- 2. SIGNS 1 THRU 3 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLUORESCENT ORANGE SHEETING. SIGN 4 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF REFLECTIVE WHITE SHEETING.
- 3. ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 4. THE LAST TRAIL VEHICLE IN THE WORK TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 5. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE WORK TRAIN.
- 6. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 7. VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

THIS DRAWING APPLIES TO DURABLE STRIPING OPERATIONS ON MULTI-LANE ROADWAYS INVOLVING THE CLOSURE OF ONE LANE ONLY.

DRAWING NOT TO SCALE

TRUCK MOUNTED ATTENUATOR

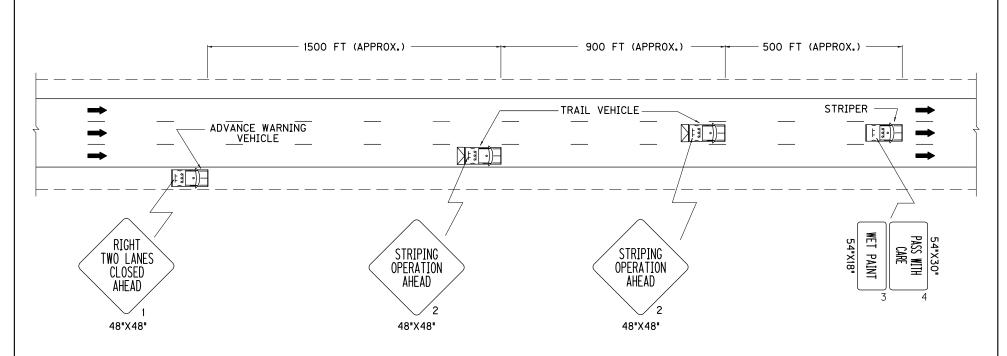
KENTUCKY DEPARTMENT OF HIGHWAYS

MOBILE OPERATION FOR DURABLE STRIPING CASE I

STANDARD DRAWING NO. TTS-120-01

SUBMITTED John of TRAFFIC OPERATIONS

APPROVED MOUNTAIN MOTHER TO STATE HIGHWAY, ENGINEER



LEGEND

1. FLASH ARROW PANELS TO DIRECT TRAFFIC RIGHT OR LEFT AS APPROPRIATE. FLASHING ARROW PANELS SHALL BE TYPE B (60"X30") OR LARGER.

3 FLASHING ARROW PANEL

2. SIGNS 1 THRU 3 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLUORESCENT ORANGE SHEETING. SIGN 4 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF REFLECTIVE WHITE SHEETING.

- t SIGN
- 3. ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- TRUCK MOUNTED ATTENUATOR

- 4. THE LAST TRAIL VEHICLE IN THE WORK TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 5. WHEN MORE THAN TWO LANES ARE TO BE CLOSED, SIGN 1 SHALL AGREE WITH THE NUMBER OF LANES CLOSED AND ADDITIONAL TRAIL VEHICLES SHALL BE USED.
- 6. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE WORK TRAIN.
- 7. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 8. VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

MOBILE OPERATION FOR DURABLE STRIPING CASE II

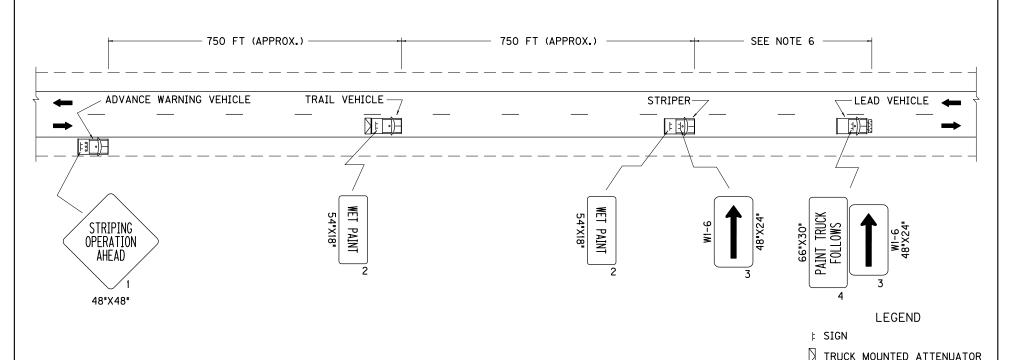
STANDARD DRAWING NO. TTS-125-01

SUBMITTED John of TRAFFIC OPERATIONS

APPROVED STATE HIGHWAY, ENGINEER

APPLICATION

THIS DRAWING APPLIES TO DURABLE STRIPING OPERATIONS INVOLVING MULTIPLE LANE CLOSURES ON MULTI-LANE ROADWAYS.



- 1. OPERATE FLASHING ARROW PANEL IN CAUTION MODE. THE ARROW PANEL SHALL BE TYPE B (60"X30") OR LARGER.
- 2, SIGNS 1 THRU 4 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLUORESCENT ORANGE SHEETING,
- 3. ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 4. THE LAST TRAIL VEHICLE IN THE WORK TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 5. THE LEAD VEHICLE SHALL MAINTAIN VISUAL CONTACT WITH THE STRIPER WHENEVER POSSIBLE TO COORDINATE ON AND OFF THE ROAD MANEUVERS. THE WORK TRAIN SHALL BE REQUIRED TO PULL OFF THE ROADWAY PERIODICALLY TO ALLEVIATE TRAFFIC CONGESTION.
- 6. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE WORK TRAIN.
- 7. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 8. VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

THIS DRAWING APPLIES TO DURABLE STRIPING OPERATIONS ON TWO-LANE. TWO-WAY ROADWAYS INVOLVING THE PLACEMENT OF EDGE LINES ONLY.

DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

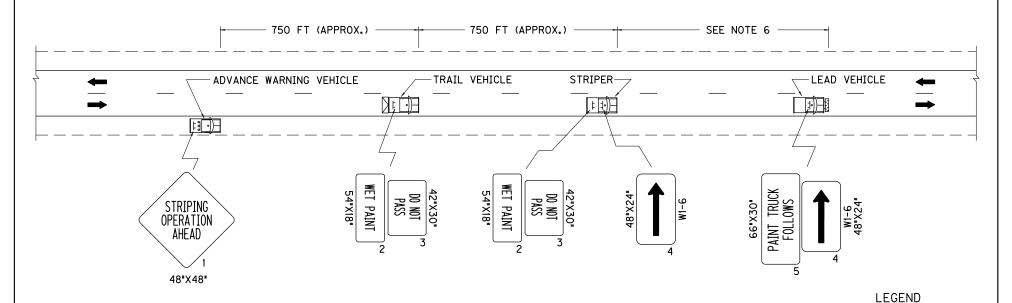
MOBILE OPERATION FOR DURABLE STRIPING CASE III

STANDARD DRAWING NO. TTS-130-01

SWEEPER/BLOWER

I FLASHING ARROW PANEL

Marchy Morteus
STATE HIGHWAY ENGINEER



- ‡ SIGN
- TRUCK MOUNTED ATTENUATOR
- SWEEPER/BLOWER
- 3 FLASHING ARROW PANEL

- 1. OPERATE FLASHING ARROW PANEL IN CAUTION MODE. THE ARROW PANEL SHALL BE TYPE B (60"X30") OR LARGER.
- 2. SIGNS 1, 2, 4, AND 5 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF FLUORESCENT ORANGE SHEETING. SIGN 3 SHALL HAVE A BLACK BORDER AND LEGEND ON A BACKGROUND OF REFLECTIVE WHITE SHEETING.
- 3. ALL VEHICLES IN THE STRIPING TRAIN SHALL BE EQUIPPED WITH HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON THE CAB.
- 4. THE LAST TRAIL VEHICLE IN THE WORK TRAIN SHALL BE EQUIPPED WITH A T.M.A. IF LANES ARE 10' WIDE OR GREATER.
- 5. THE LEAD VEHICLE SHALL MAINTAIN VISUAL CONTACT WITH THE STRIPER WHENEVER POSSIBLE TO COORDINATE ON AND OFF THE ROAD MANEUVERS. THE WORK TRAIN SHALL BE REQUIRED TO PULL OFF THE ROADWAY PERIODICALLY TO ALLEVIATE TRAFFIC CONGESTION.
- 6. TWO-WAY RADIO COMMUNICATION SHALL BE MAINTAINED BETWEEN ALL VEHICLES IN THE WORK TRAIN.
- 7. THE SPACING BETWEEN VEHICLES IN THE WORK TRAIN SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE ADEQUATE SIGHT DISTANCE TO APPROACHING VEHICLES AND TO PROTECT THE FRESHLY APPLIED LINE.
- 8. VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

THIS DRAWING APPLIES TO DURABLE STRIPING OPERATIONS ON TWO-LANE, TWO-WAY ROADWAYS INVOLVING THE PLACEMENT OF EITHER THE CENTERLINE ONLY OR A COMBINATION OF THE CENTERLINE AND EDGE LINE.

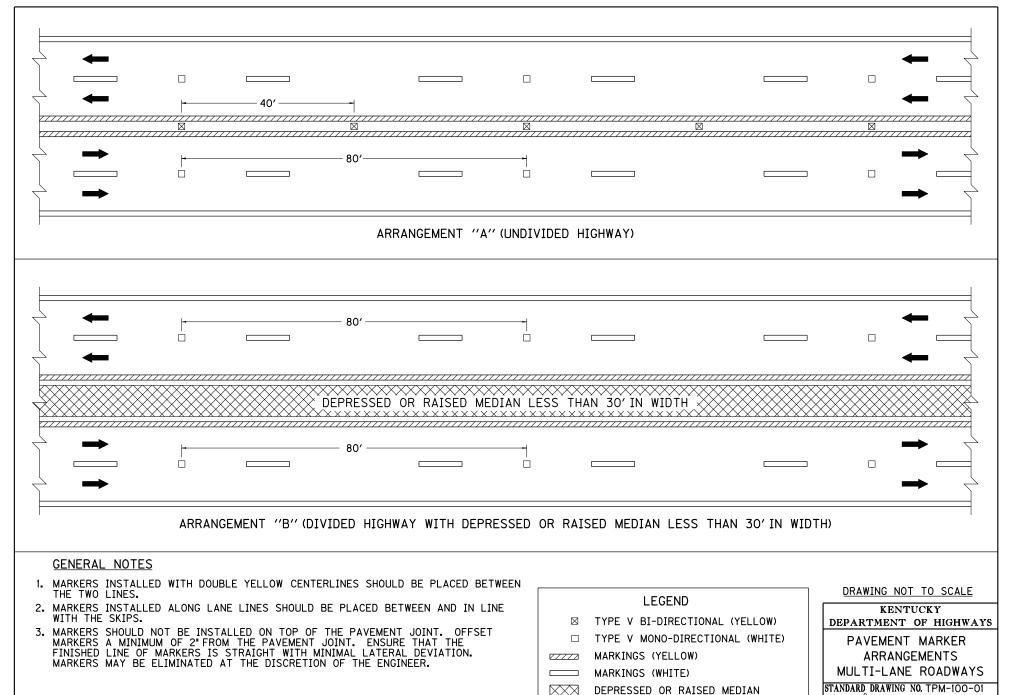
DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS

MOBILE OPERATION FOR DURABLE STRIPING CASE IV

STANDARD DRAWING NO. TTS-135-01

SUBMITTED DIRECTOR DIVISION OF TRAFFIC OPERATIONS
APPROVED MOUNTAIN MATERIAL STATE HIGHWAY ENGREER

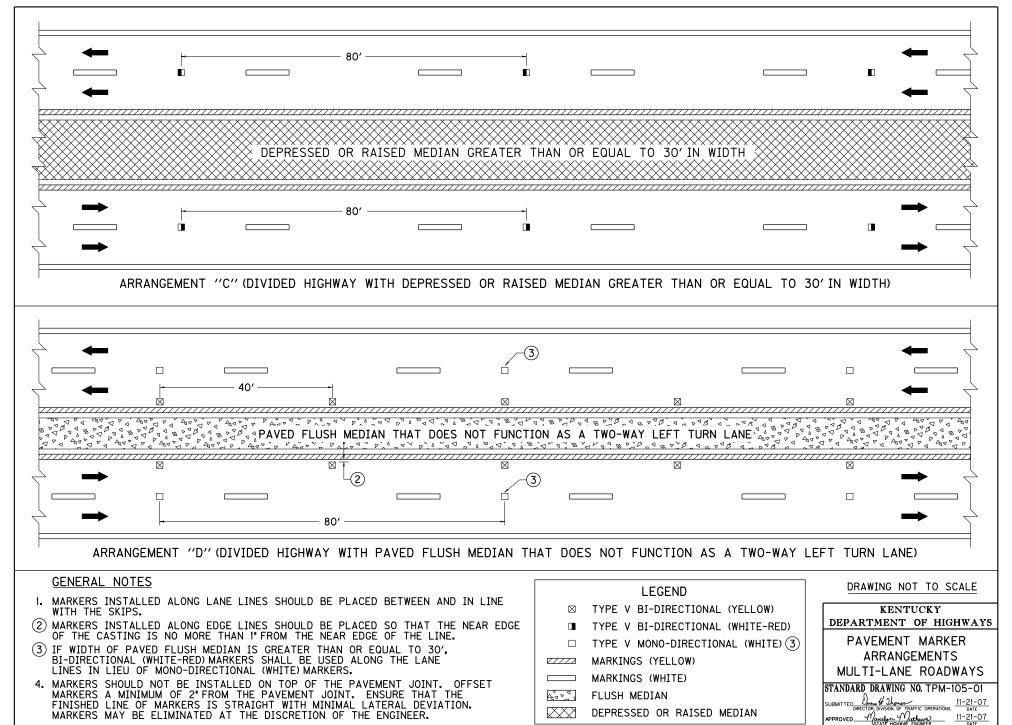


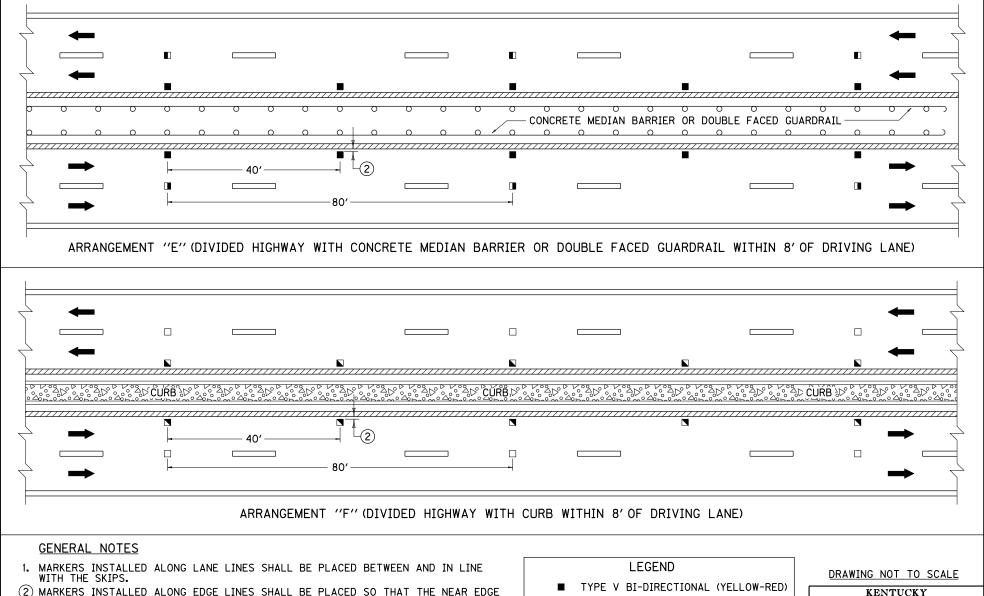
SUBMITTED JOHN & JONAS

DIRECTOR DIVISION OF TRAFFIC OPERATIONS

APPROVED MOUNTAIN MOTHURS

STATE HIGHWAL ENONEER





- (2) MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE CASTING IS NO MORE THAN 1" FROM THE NEAR EDGE OF THE LINE.
- 3. MARKERS SHOULD NOT BE INSTALLED ON TOP OF THE PAVEMENT JOINT. OFFSET MARKERS A MINIMUM OF 2" FROM THE PAVEMENT JOINT. ENSURE THAT THE FINISHED LINE OF MARKERS IS STRAIGHT WITH MINIMAL LATERAL DEVIATION. MARKERS MAY BE ELIMINATED AT THE DISCRETION OF THE ENGINEER.
- TYPE V BI-DIRECTIONAL (WHITE-RED)
- TYPE V MONO-DIRECTIONAL (YELLOW)
- TYPE V MONO-DIRECTIONAL (WHITE)

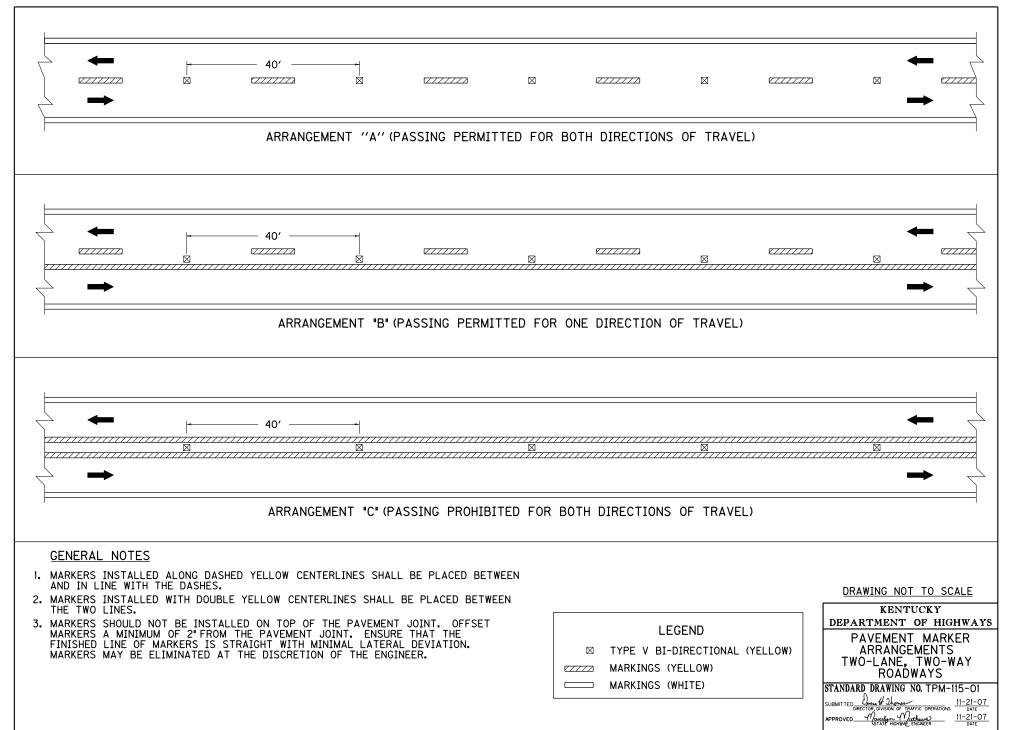
MARKINGS (YELLOW) MARKINGS (WHITE)

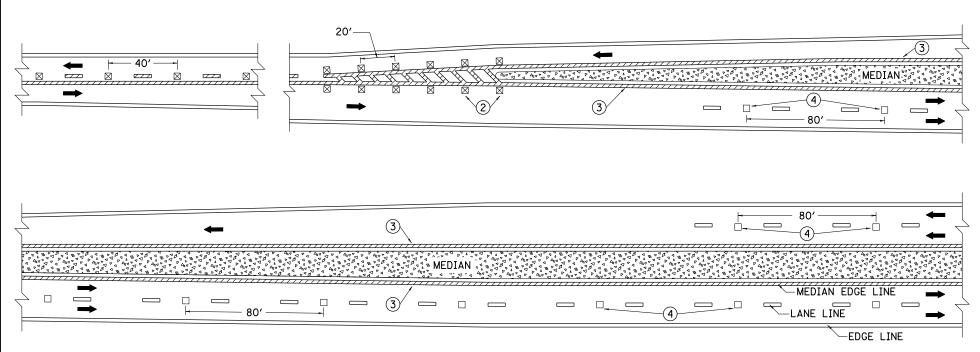
DEPARTMENT OF HIGHWAYS

PAVEMENT MARKER **ARRANGEMENTS** MULTI-LANE ROADWAYS

STANDARD DRAWING NO. TPM-110-01

APPROVED Machin Wathers





TWO LANE TO FOUR LANE PAVEMENT TRANSITIONS

LEGEND TYPE V BI-DIRECTIONAL (YELLOW) TYPE V MONO-DIRECTIONAL (WHITE) 4 MARKINGS (YELLOW) MARKINGS (WHITE)

GENERAL NOTES

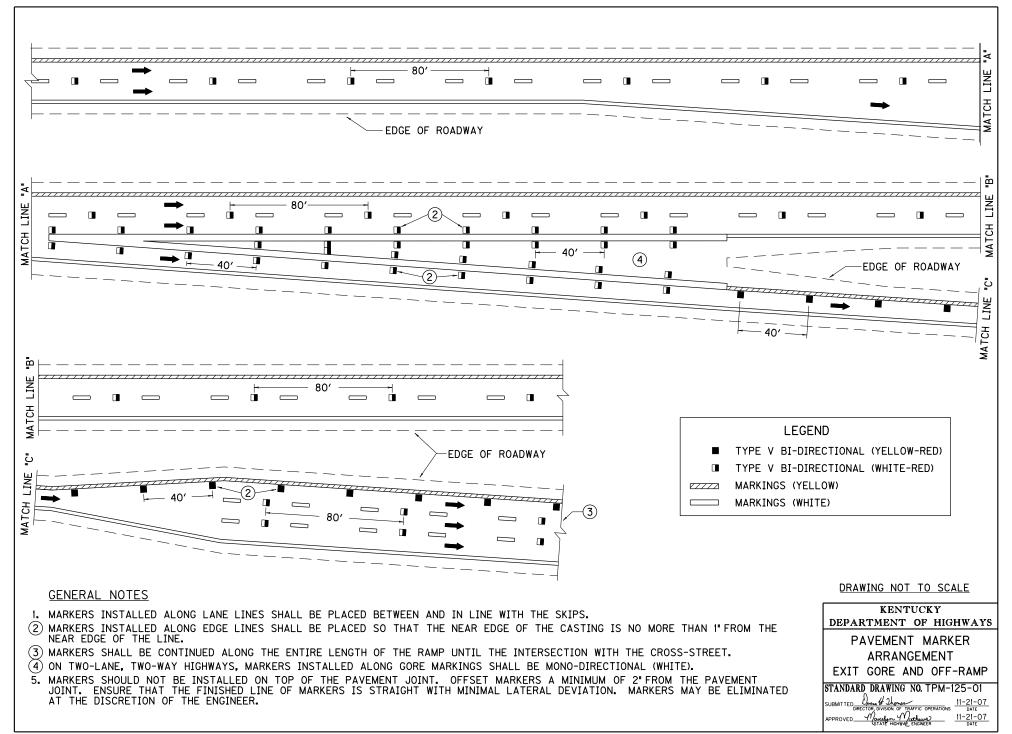
- 1. MARKERS INSTALLED ALONG LANE LINES OR DASHED YELLOW CENTERLINES SHALL BE PLACED BETWEEN AND IN LINE WITH THE DASHES.
- (2) MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE CASTING IS NO MORE THAN I' FROM THE NEAR EDGE OF THE LINE.
- 3 MARKERS MAY BE REQUIRED ALONG THE MEDIAN EDGE LINES DEPENDING ON TYPE AND WIDTH OF MEDIAN. SEE TPM-100, TPM-105, AND TPM-110 FOR GUIDANCE.
- 4 IF MEDIAN WIDTH IS GREATER THAN OR EQUAL TO 30', BI-DIRECTIONAL (WHITE-RED) MARKERS SHALL BE USED ALONG THE LANE LINES IN LIEU OF MONO-DIRECTIONAL (WHITE) MARKERS.
- 5. MARKERS SHOULD NOT BE INSTALLED ON TOP OF THE PAVEMENT JOINT. OFFSET MARKERS A MINIMUM OF 2"FROM THE PAVEMENT JOINT. ENSURE THAT THE FINISHED LINE OF MARKERS IS STRAIGHT WITH MINIMAL LATERAL DEVIATION. MARKERS MAY BE ELIMINATED AT THE DISCRETION OF THE ENGINEER.

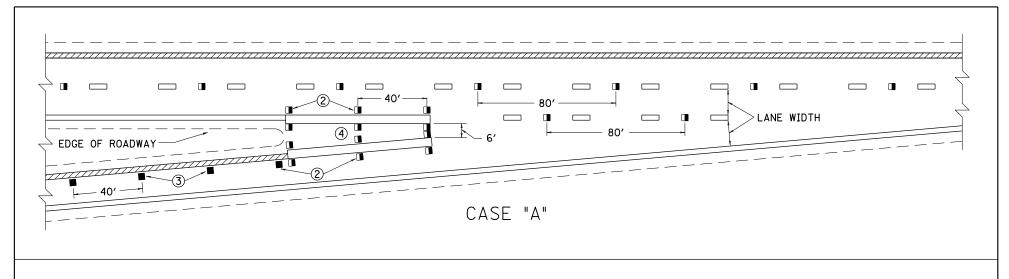
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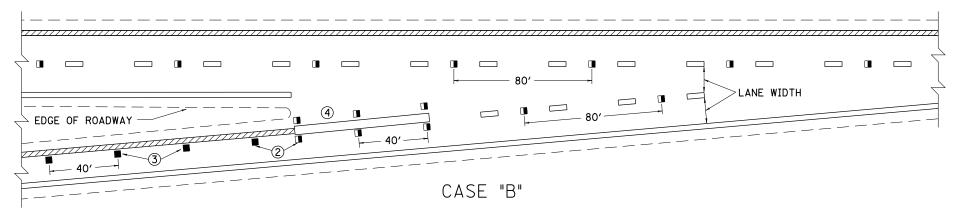
USE WITH CURRENT STD. DWGS. TPM-100 .TPM-105.TPM-110

KENTUCKY DEPARTMENT OF HIGHWAYS PAVEMENT MARKER ARRANGEMENT TWO-LANE TO FOUR-LANE TRANSITIONS STANDARD DRAWING NO. TPM-120-01

Marelyn Morteus







THE ARRANGEMENT SHOWN IN CASE "A" IS PREFERRED. IF ON-RAMP IS STRIPED AS SHOWN IN CASE "B". CASE "B" ARRANGEMENT SHALL BE USED.

GENERAL NOTES

- MARKERS INSTALLED ALONG LANE LINES SHALL BE PLACED BETWEEN AND IN LINE WITH THE SKIPS.
- ② MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE CASTING IS NO MORE THAN 1 FROM THE NEAR EDGE OF THE LINE.
- 3 BI-DIRECTIONAL (YELLOW-RED) MARKERS ARE TO BE PLACED ALONG THE ENTIRE LENGTH OF THE YELLOW EDGE LINE FROM THE INTERSECTION OF THE CROSS-STREET TO THE BEGINNING OF THE GORE AREA.
- 4 ON TWO-LANE, TWO-WAY HIGHWAYS, MARKERS INSTALLED ALONG GORE MARKINGS SHALL BE MONO-DIRECTIONAL (WHITE).
- 5. MARKERS SHOULD NOT BE INSTALLED ON TOP OF THE PAVEMENT JOINT. OFFSET MARKERS A MINIMUM OF 2"FROM THE PAVEMENT JOINT. ENSURE THAT THE FINISHED LINE OF MARKERS IS STRAIGHT WITH MINIMAL LATERAL DEVIATION. MARKERS MAY BE ELIMINATED AT THE DISCRETION OF THE ENGINEER.

LEGEND

- TYPE V BI-DIRECTIONAL (YELLOW-RED)
- TYPE V BI-DIRECTIONAL (WHITE-RED)
- MARKINGS (YELLOW)
 - ☐ MARKINGS (WHITE)

DRAWING NOT TO SCALE

KENTUCKY
DEPARTMENT OF HIGHWAYS

PAVEMENT MARKER
ARRANGEMENT
ON-RAMP WITH TAPERED

ACCELERATION LANE
STANDARD DRAWING NO. TPM-130-01

SUBMITTED Dear Division of Traffic OPERATIONS

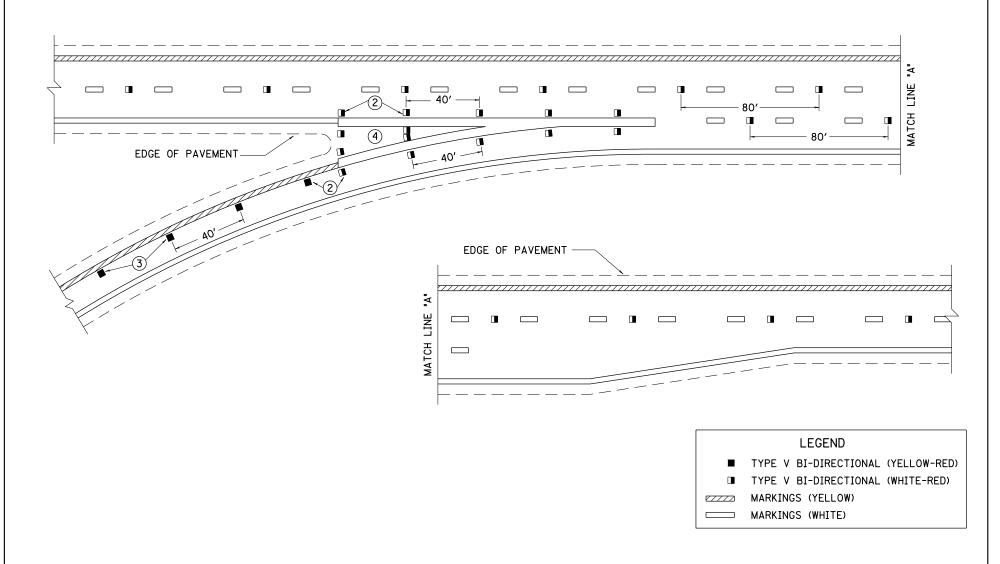
APPROVED Not STATE HIGHING ENGINEER

APPROVED DATE

STATE HIGHING ENGINEER

DATE

DATE



GENERAL NOTES

- 1. MARKERS INSTALLED ALONG LANE LINES SHALL BE PLACED BETWEEN AND IN LINE WITH THE SKIPS.
- (2) MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE CASTING IS NO MORE THAN 1" FROM THE NEAR EDGE OF THE LINE.
- 3 BI-DIRECTIONAL (YELLOW-RED) MARKERS ARE TO BE PLACED ALONG THE ENTIRE LENGTH OF THE YELLOW EDGE LINE FROM THE INTERSECTION OF THE CROSS-STREET TO THE BEGINNING OF THE GORE AREA.
- (4) ON TWO-LANE, TWO-WAY HIGHWAYS, MARKERS INSTALLED ALONG GORE MARKINGS SHALL BE MONO-DIRECTIONAL (WHITE).
- 5. MARKERS SHOULD NOT BE INSTALLED ON TOP OF THE PAVEMENT JOINT. OFFSET MARKERS A MINIMUM OF 2"FROM THE PAVEMENT JOINT. ENSURE THAT THE FINISHED LINE OF MARKERS IS STRAIGHT WITH MINIMAL LATERAL DEVIATION. MARKERS MAY BE ELIMINATED AT THE DISCRETION OF THE ENGINEER.

DRAWING NOT TO SCALE

KENTUCKY
DEPARTMENT OF HIGHWAYS

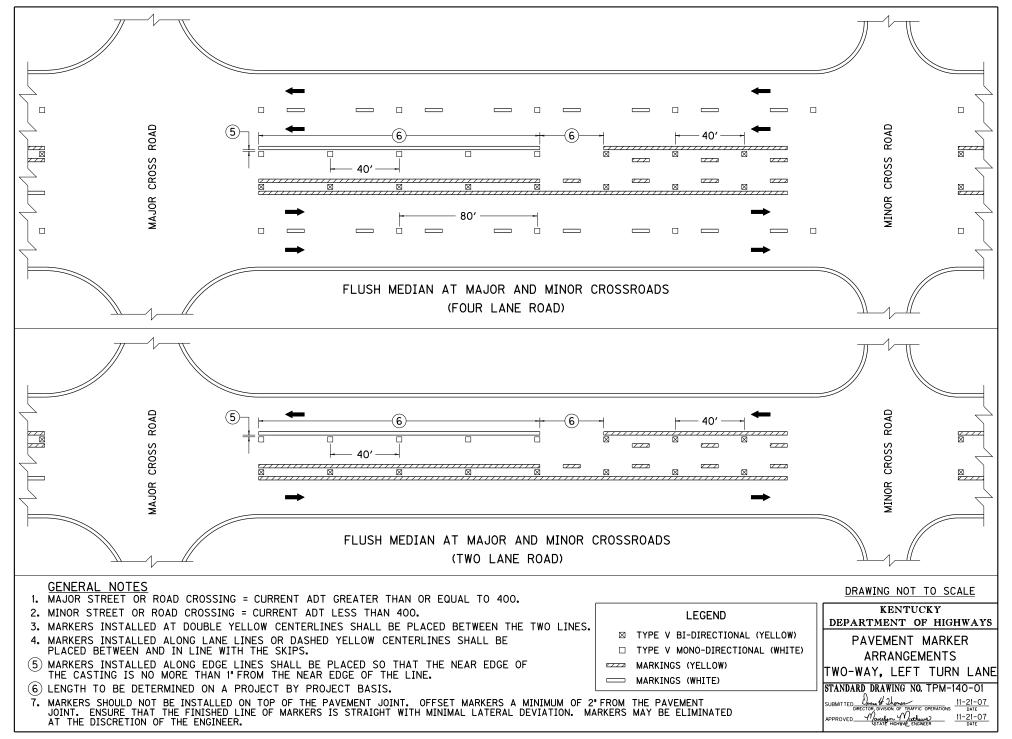
PAVEMENT MARKER
ARRANGEMENT
ON-RAMP WITH PARALLEL
ACCELERATION LANE

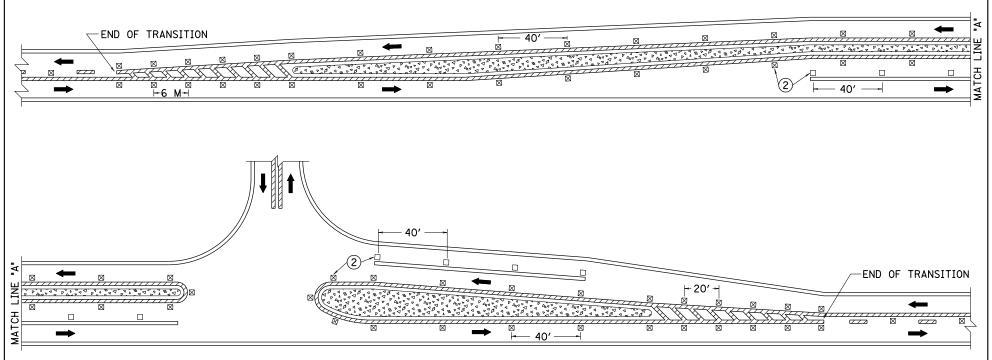
STANDARD DRAWING NO. TPM-135-01

SUBMITTED DRECTOR, DIVISION OF TRAFFIC OPERATIONS
APPROVED CHART HOWARE REMERER

TO HIGHER TO PROVIDE TO THE PARALLEL DATE

APPROVED CHART HOWARE REMERER





CHANNELIZED INTERSECTION ON A TWO DIRECTIONAL TWO LANE FACILITY

LEGEND TYPE V BI-DIRECTIONAL (YELLOW) TYPE V MONO-DIRECTIONAL (WHITE) RAISED OR FLUSH MEDIAN MARKINGS (YELLOW) MARKINGS (WHITE)

GENERAL NOTES

- 1. MARKERS INSTALLED ALONG DASHED YELLOW CENTERLINES SHALL BE PLACED BETWEEN AND IN LINE WITH THE SKIPS.
- (2) MARKERS INSTALLED ALONG EDGE LINES OR CHANNELIZING LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE CASTING IS NO MORE THAN I'FROM THE NEAR EDGE OF THE LINE.
- 3. MARKERS SHOULD NOT BE INSTALLED ON TOP OF THE PAVEMENT JOINT. OFFSET MARKERS A MINIMUM OF 2"FROM THE PAVEMENT JOINT. ENSURE THAT THE FINISHED LINE OF MARKERS IS STRAIGHT WITH MINIMAL LATERAL DEVIATION. MARKERS MAY BE ELIMINATED AT THE DISCRETION OF THE ENGINEER.

DRAWING NOT TO SCALE

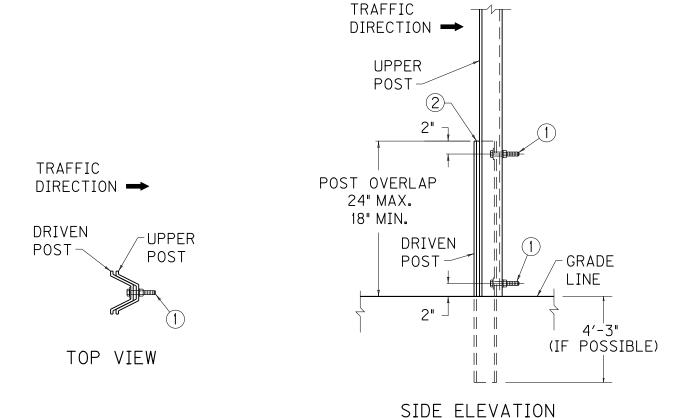
KENTUCKY
DEPARTMENT OF HIGHWAYS

PAVEMENT MARKER
ARRANGEMENT
CHANNELIZED
INTERSECTION

STANDARD DRAWING NO. TPM-145-01

SUBMITTED
DRECTOR, OWNIGHT OF TRAFFIC OPERATIONS
APPROVED MARCH MONTHER ENGINEER

11-21-07
DATE
11-21-07
DATE
11-21-07
DATE



PREFERABLY, SIGN POSTS ARE NOT TO BE SPLICED. HOWEVER, TO OBTAIN THE REQUIRED HEIGHT, SIGN POSTS MAY BE SPLICED ONCE IN THEIR LENGTH AND ACCORDING TO THIS STANDARD DRAWING.

GENERAL NOTES

- (1) TWO (2) 5/16" X 2" HEX HEAD CAP SCREWS, TWO (2) ROUND WASHERS, TWO (2) LOCK WASHERS AND TWO HEX HEAD NUTS (ASTM A307).
- 2 THE DRIVEN POST STUB SHALL BE REMOVED WHEN THE UPPER POST IS NOT IN PLACE.

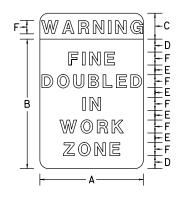
DRAWING NOT TO SCALE

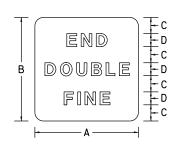
KENTUCKY
DEPARTMENT OF HIGHWAYS

POST
SPLICING
DETAIL

STANDARD DRAWING NO. TTD-110-01
SUBMITTED DRECTOR DURSON OF TRAFFIC OPERATIONS

11-21-07
DATE OF THE PROPERTY OF THE PR





SIGN DETAILS							
ROAD TYPE	Α	В	С	D	E	F	
INTERSTATES, PARKWAYS & 4-LANE DIVIDED HIGHWAYS	48"	60"	12"	6"	4.5"	6"D	
OTHER MULTI-LANE HIGHWAYS & 2-LANE HIGHWAYS > 18' IN WIDTH	36"	48"	8"	5"	4.5"	4"E	
ROADWAYS LESS THAN 18' IN WIDTH	24"	30"	6"	3"	2.25"	3"E	

SIGN DETAILS							
ROAD TYPE	Α	В	С	D			
INTERSTATES, PARKWAYS & 4-LANE DIVIDED HIGHWAYS	48"	48"	7.5"	6"D			
OTHER MULTI-LANE & 2-LANE HIGHWAYS	36"	36"	6"	4"E			

NOTE: SIGN SHALL HAVE A BLACK LEGEND ON A WHITE BACKGROUND.

NOTE: "WARNING" PLAQUE SHALL HAVE A BLACK LEGEND ON A FLUORESCENT ORANGE BACKGROUND. REMAINDER OF SIGN SHALL HAVE A BLACK LEGEND ON A WHITE BACKGROUND.

APPLICATION

A HIGHWAY WORK ZONE SHALL BE ELIGIBLE FOR PLACEMENT OF DOUBLE FINE SIGNS IF A WORKER IS NOT ROUTINELY PROTECTED BY BARRIER WALL OR IF A CONDITION EXISTS WHICH EXPOSES A WORKER TO TRAFFIC HAZARDS.

DOUBLE FINE SIGNS

- 1. ALL AREAS SHALL BE RETROREFLECTIVE EXCEPT THE BLACK PORTION OF SIGN MESSAGES.
- 2. SIGNS SHALL BE MOUNTED AT ELEVATIONS AND OFFSETS PRESCRIBED IN THE MUTCD.
- 3. SIGNS SHALL BE RELOCATED AS THE WORK ZONE PROGRESSES ALONG THE HIGHWAY.
- 4. SIGNS SHALL BE DUAL-MOUNTED ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES AS PRESCRIBED IN THE MUTCD.
 WHERE CONSTRUCTION ONLY AFFECTS ONE DIRECTION OF A DIVIDED HIGHWAY WITH A BARRIER OR WIDE MEDIAN, SIGNS SHALL NOT BE ERECTED FOR OPPOSING DIRECTION.
- 5. ADDITIONAL SIGNS MAY BE REQUIRED FOR LONG CONSTRUCTION ZONES OR WHERE RAMPS OR INTERSECTING STREETS JUNCTION WITHIN THE PROJECT LIMITS.
- 6. WHEN THE HIGHWAY WORK ZONE DOES NOT HAVE A WORKER PRESENT FOR MORE THAN A TWO (2) HOUR PERIOD OF TIME, DOUBLE FINE SIGNS SHALL BE REMOVED OR COVERED SO THAT THE MESSAGE IS NOT VISIBLE.
- 7. THE "WARNING/FINE DOUBLED IN WORK ZONE" SIGN SHALL BE INSTALLED APPROXIMATELY 500' IN ADVANCE OF THE AREA WHERE WORKERS ARE UNPROTECTED AND NO CLOSER THAN 250' TO ANY OTHER WORK ZONE SIGNING. THE "END DOUBLE FINE" SIGN(S) SHALL BE INSTALLED NEAR THE END OF THE AREA WHERE WORKERS ARE UNPROTECTED.

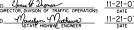
REDUCED SPEED ZONE SIGNS

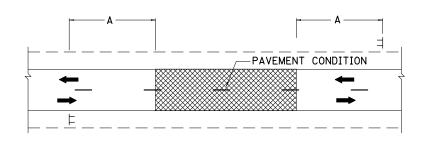
- 1. REDUCED SPEED ZONES SHOULD BE USED ONLY IN SPECIFIC PORTIONS OF THE WORK ZONE WHERE CONDITIONS OR RESTRICTIVE FEATURES ARE PRESENT. LOWERING THE REGULATORY SPEED LIMIT SHOULD BE AVOIDED AS MUCH AS PRACTICAL BECAUSE DRIVERS REDUCE THEIR SPEEDS ONLY IF THEY CLEARLY PERCEIVE A NEED TO DO SO.
- 2. SPEED LIMIT MAY BE REDUCED BY 15 MPH WITHOUT A TRAFFIC ENGINEERING INVESTIGATION ON HIGHWAYS WHERE THE NORMAL POSTED SPEED LIMIT IS 70 MPH. THE SPEED LIMIT MAY BE REDUCED BY 10 MPH WITHOUT A TRAFFIC ENGINEERING INVESTIGATION ON OTHER HIGHWAYS. LARGER SPEED REDUCTIONS REQUIRE A TRAFFIC ENGINEERING INVESTIGATION AND APPROVAL OF THE SECRETARY OF TRANSPORTATION.
- 3. A SPEED REDUCTION (W3-5) SIGN SHALL BE INSTALLED IN ADVANCE OF A WORK ZONE WITH A TEMPORARY WORK ZONE SPEED LIMIT. SIGNS SHALL BE DUAL-MOUNTED ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES AS PRESCRIBED IN THE MUTCD. THE SIGN SHALL HAVE A FLUORESCENT ORANGE BACKGROUND, AND THE SPEED LIMIT DISPLAYED ON THE SIGN SHOULD MATCH THE DESIRED SPEED LIMIT THROUGH THE WORK ZONE. THE SIGN(S) SHALL BE INSTALLED APPROXIMATELY 500' IN ADVANCE OF THE SPEED LIMIT SIGN AND NO CLOSER THAN 250' TO ANY OTHER WORK ZONE SIGNING.

KENTUCKY DEPARTMENT OF HIGHWAYS

WORK ZONE SPEED LIMIT
AND DOUBLE FINE SIGNS

STANDARD DRAWING NO. TTD-120





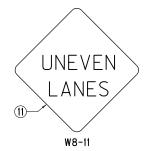
SIGN SPACING TABLE				
ROAD TYPE	Α			
EXPRESSWAY/ FREEWAY	750′			
RURAL/URBAN SP. LT. ≧ 45 MPH*	500′			
URBAN SP. LT. ≦ 40 MPH*	250′			

*NOTE: USE NORMAL POSTED SPEED LIMIT







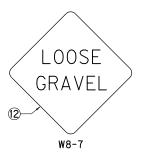


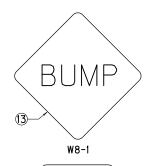
APPLICATION

PAVEMENT CONDITION SIGNS GIVE MOTORISTS ADVANCE WARNING OF TEMPORARY IMPACTS TO PAVEMENT CONDITIONS WITHIN WORK ZONES. SUCH ADVANCE WARNING IS PARTICULARLY CRITICAL FOR MOTORCYCLISTS. IF USED. THESE SIGNS SHALL BE USED IN COMBINATION WITH OTHER REQUIRED WORK ZONE SIGNING.

GENERAL NOTES

- 1. SIGNS SHALL HAVE A BLACK LEGEND ON A FLUORESCENT ORANGE BACKGROUND.
- 2. THE SIZE OF ABOVE SIGNS SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
- 3. SIGNS SHALL BE MOUNTED AT ELEVATIONS AND OFFSETS PRESCRIBED IN THE MUTCD.
- 4. SIGNS SHALL BE DUAL-MOUNTED ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES AS PRESCRIBED IN THE MUTCD.
- 5. ADDITIONAL SIGNS MAY BE REQUIRED FOR LONG CONSTRUCTION ZONES OR WHERE RAMPS OR INTERSECTING STREETS JUNCTION WITHIN THE PROJECT LIMITS.
- SIGNS SHOULD BE INSTALLED IN ACCORDANCE WITH SPACING IN SIGN SPACING TABLE AND NO CLOSER THAN 250' TO ANY OTHER REQUIRED WORK ZONE SIGNING.
- 7. IF A PAVEMENT CONDITION EXISTS OVER A LONG STRETCH OF ROADWAY, PAVEMENT CONDITION WARNING SIGNS MAY BE USED IN COMBINATION WITH A SUPPLEMENTARY DISTANCE PLAQUE (W7-3A).
- (8) "WET PAVEMENT" SIGNS SHOULD BE INSTALLED IN ADVANCE OF LOCATIONS WHERE WATER IS APPLIED TO THE PAVEMENT TO CONTROL DUST IN A WORK ZONE.
- (9) "FRESH OIL" SIGNS SHOULD BE INSTALLED WHERE PAVING OPERATIONS RESULT IN A SLIPPERY PAVEMENT SURFACE AND/OR WHERE SPLASHING MAY OCCUR.
- (0) "ROUGH ROAD" SIGNS SHOULD BE INSTALLED IN ADVANCE OF ANY TEMPORARILY TEXTURED/MILLED PAVEMENT SURFACES.
- (1) "UNEVEN LANES" SIGNS SHOULD BE INSTALLED IN ADVANCE OF LOCATIONS WHERE THERE IS A SUBSTANTIAL DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES THAT ARE OPEN TO TRAVEL.
- (2) "LOOSE GRAVEL" SIGNS SHOULD BE INSTALLED WHERE WORK ZONE OPERATIONS FREQUENTLY RESULT IN ROCK DEBRIS IN THE ROADWAY.
- (3) "BUMP" SIGNS WITH SUPPLEMENTAL "STEEL PLATE" PLAQUES SHOULD BE INSTALLED IN ADVANCE OF LOCATIONS WHERE STEEL PLATES ARE USED TO BRIDGE OPEN CUTS IN THE ROADWAY.







KENTUCKY
DEPARTMENT OF HIGHWAYS

PAVEMENT CONDITION
WARNING SIGNS

STANDARD DRAWING NO. TTD-125

SUBMITTED CHARLE IN THE STATE HIGHWAY ENGINEER DATE