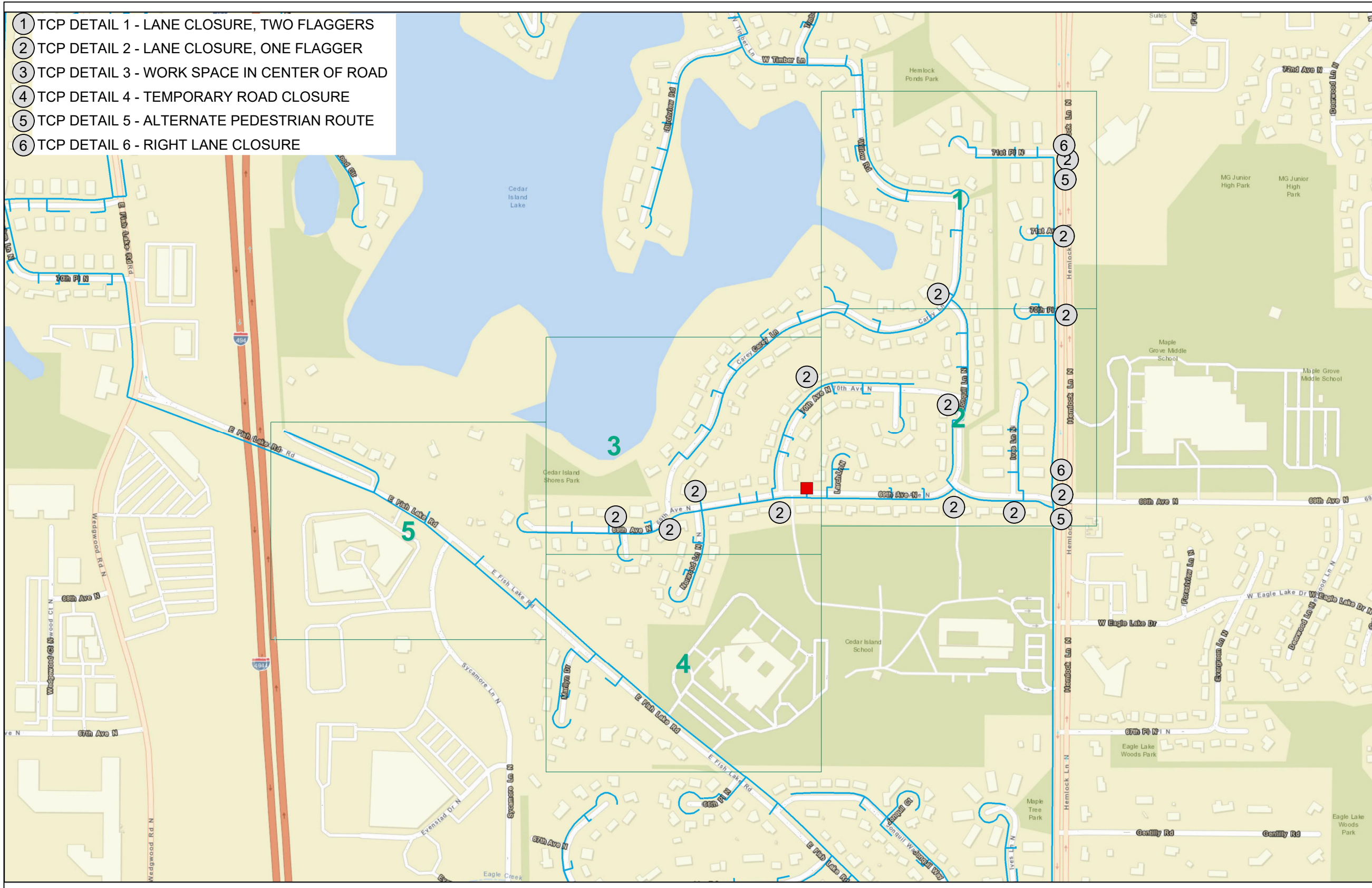



DETAILS

- ① TCP DETAIL 1 - LANE CLOSURE, TWO FLAGGERS
- ② TCP DETAIL 2 - LANE CLOSURE, ONE FLAGGER
- ③ TCP DETAIL 3 - WORK SPACE IN CENTER OF ROAD
- ④ TCP DETAIL 4 - TEMPORARY ROAD CLOSURE
- ⑤ TCP DETAIL 5 - ALTERNATE PEDESTRIAN ROUTE
- ⑥ TCP DETAIL 6 - RIGHT LANE CLOSURE



FIBERHOOD:
MPGV-MN-1-20

ENGINEER:

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 CHICAGO, IL 60607
 PHONE: (312) 432-0076 FAX: (312) 432-0231
 STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL
 REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:

 275 WEST SERVICE RD
 SUITE O
 WRIGHT CITY, MO 63390

TITLE:
**PROPOSED FIBER - OPTIC
 INSTALLATION
 69TH AVE N & 70TH AVE N
 MAPLE GROVE, MN**

REVISIONS

REV	DATE	DESCRIPTION	BY
00	11/27/24	TCP	ASV
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DRAWN BY: ASV	CHECKED BY: AJR	APPROVED BY: NFJ
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PROJECT NUMBER: **24-0177**
 DATE DRAWN: **11/27/24**

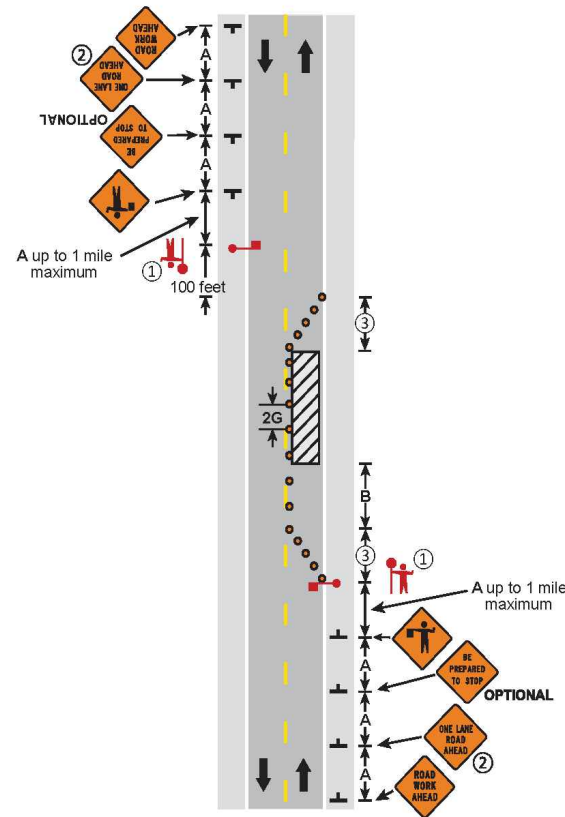
SHEET: **TC1**

TCP DETAIL 1

Field Manual January 2018

NOTES:

- ① The approach sight distance to the flagger shall be at least the Decision Sight Distance (D).
- ② The ONE LANE ROAD AHEAD sign may be omitted when the posted speed limit is 40 mph or less.
- ③ The two-way taper should be 50 feet in length using 5 equally spaced channelizing devices.
4. If anticipating operational problems, the use of a Pilot Car (see [Layout 18](#)) may improve operations and safety.



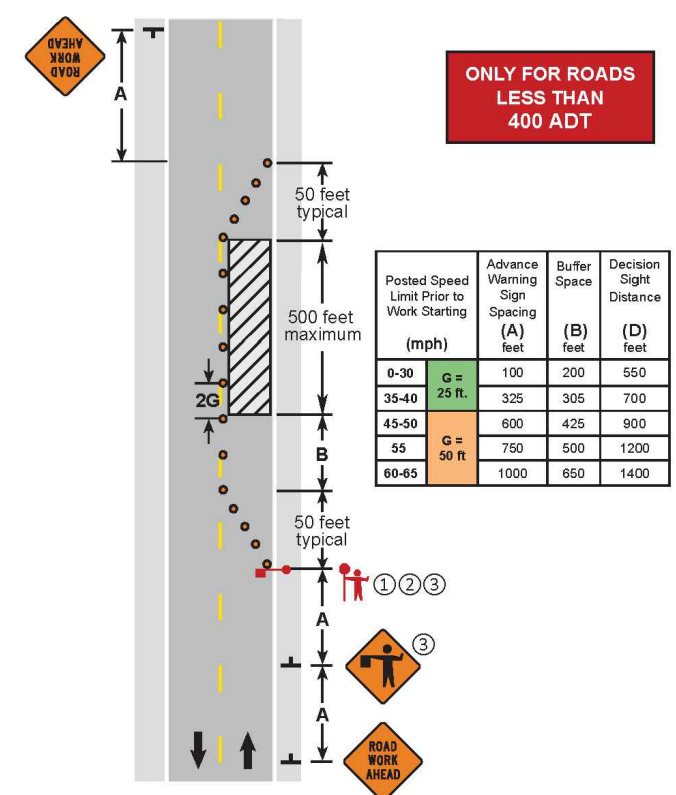
LANE CLOSURE, TWO FLAGGERS
TWO-LANE, TWO-WAY ROAD
3 DAYS or LESS
6K-16
LAYOUT 16

TCP DETAIL 2

Field Manual January 2018

NOTES:

- ① The approach sight distance to the flagger shall be at least the Decision Sight Distance (D).
- ② If the flagger's ability to see oncoming motorists beyond the work space is less than the Decision Sight Distance (D), two flaggers shall be used - See [Layout 16](#).
- ③ The Flagger and Flagger Ahead sign may be omitted if the operation is during daylight hours, 12 hours or less, and traffic is able to self-regulate.
4. If the work space must be left unattended at night use [Layout 14](#).



LANE CLOSURE, ONE FLAGGER
TWO-LANE, TWO-WAY ROAD
3 DAYS or LESS
6K-4
LAYOUT 4

FIBERHOOD:
MPGV-MN-1-20

ENGINEER:
hbK
UTILITY ENGINEERING SOLUTIONS
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gatewayfiber
275 WEST SERVICE RD
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WRIGHT CITY, MO 63390

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69TH AVE N & 70TH AVE N
MAPLE GROVE, MN

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ASV	AJR	NFJ

PROJECT NUMBER: **24-0177**
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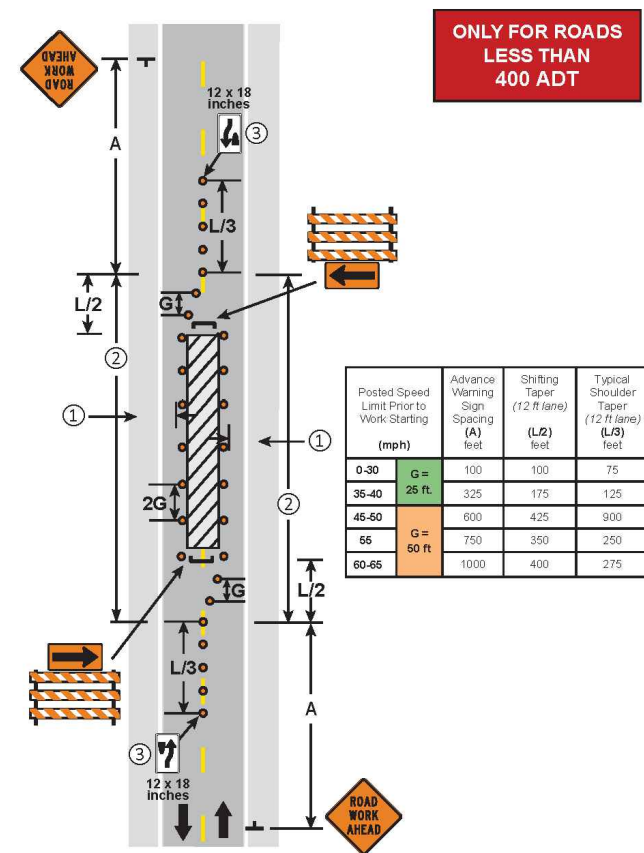
SHEET: **TC2**

TCP DETAIL 3

Field Manual January 2018

NOTES:

- ① Minimum drivable surface outside of the channelizing devices shall be 10 feet.
- ② Parking and stopping should be prohibited along the work area and tapers.
- ③ Keep Right sign may be omitted if posted speed limit is 40 mph or less.



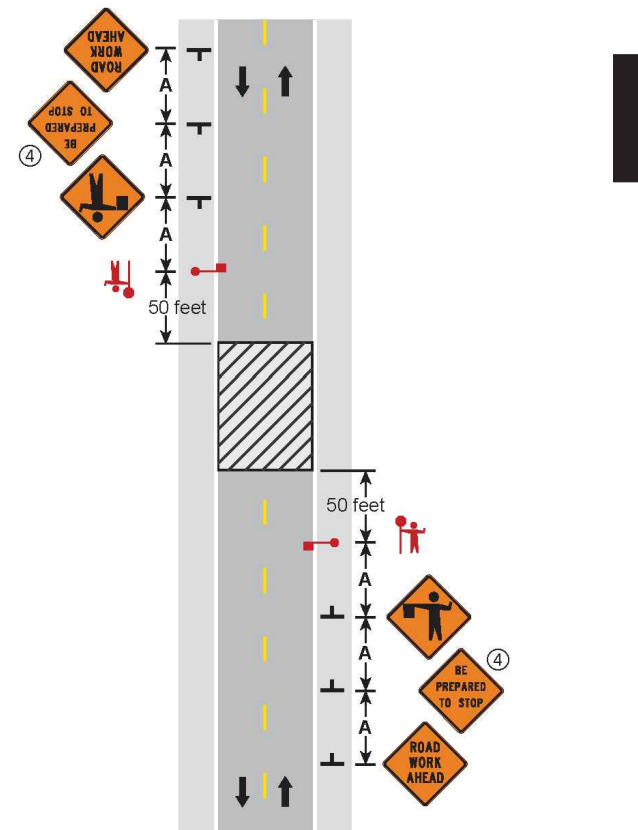
WORK SPACE IN CENTER OF ROAD
TWO-LANE, TWO-WAY ROAD
3 DAYS or LESS
6K-2 LAYOUT 2

TCP DETAIL 4

Field Manual January 2018

NOTES:

- 1. Road authority shall be contacted prior to closure.
- 2. If the volume is less than 400 ADT, traffic control devices may be substituted with law enforcement.
- 3. Traffic should not be stopped for intervals of greater than 15 minutes.
- ④ The BE PREPARED TO STOP sign may be omitted when the posted speed limit is 40 mph or less.



TEMPORARY ROAD CLOSURE
TWO-LANE, TWO-WAY ROAD
12 HOURS or LESS
6K-31 LAYOUT 31

FIBERHOOD:
MPGV-MN-1-20

ENGINEER:
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UTILITY
CONSTRUCTION
SOLUTIONS
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TITLE:
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69TH AVE N & 70TH AVE N
MAPLE GROVE, MN**

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DRAWN BY: ASV
CHECKED BY: AJR
APPROVED BY: NFJ

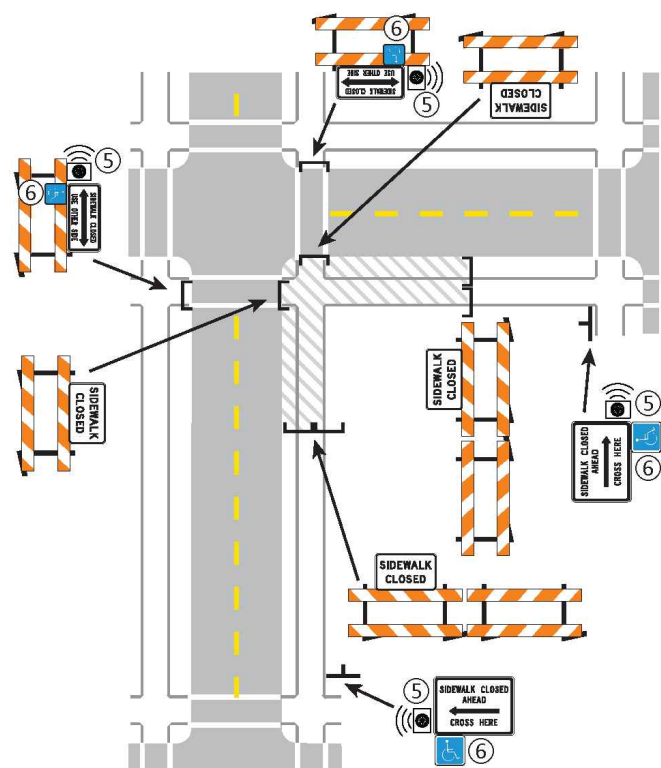
PROJECT NUMBER: 24-0177
DATE DRAWN: 11/27/24

SHEET: **TC3**

TCP DETAIL 5

Field Manual

January 2018



ALTERNATE PEDESTRIAN ROUTE
CROSSWALK CLOSURES AND PEDESTRIAN DETOURS
 3 DAYS or LESS LAYOUT 88b LAYOUT 88a & b
 6K-88b

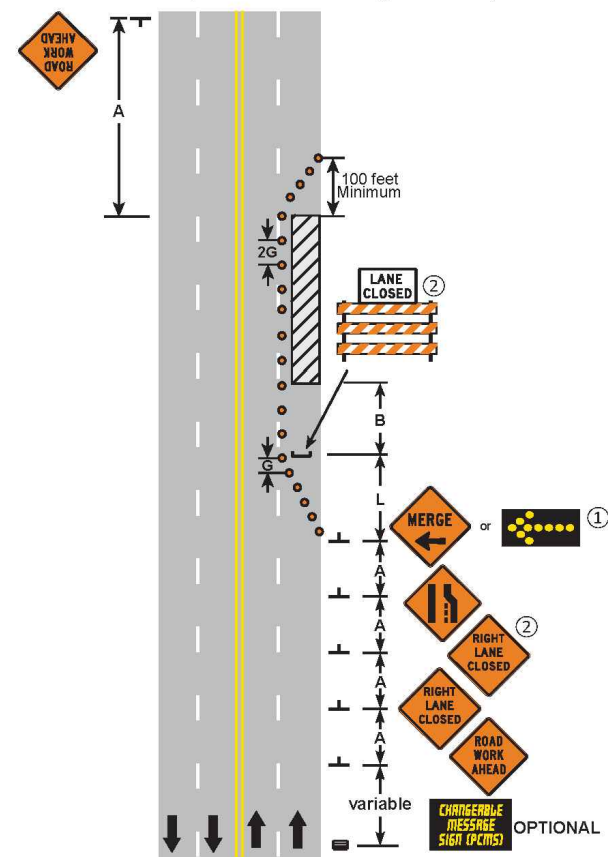
TCP DETAIL 6

Field Manual

January 2018


NOTES:

- ① The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
- ② The RIGHT LANE CLOSED sign and/or LANE CLOSED sign may be omitted when the posted speed limit is 40 mph or less.
3. If there is a shoulder, close the shoulder using a shoulder taper.



3 DAYS or LESS
RIGHT LANE CLOSURE
 MULTI-LANE UNDIVIDED ROAD LAYOUT 42
 6K-42

FIBERHOOD:
MPGV-MN-1-20

ENGINEER:

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DRAWN BY:	CHECKED BY:	APPROVED BY:
ASV	AJR	NFJ

PROJECT NUMBER: **24-0177**
 DATE DRAWN: **11/27/24**

SHEET:
TC4