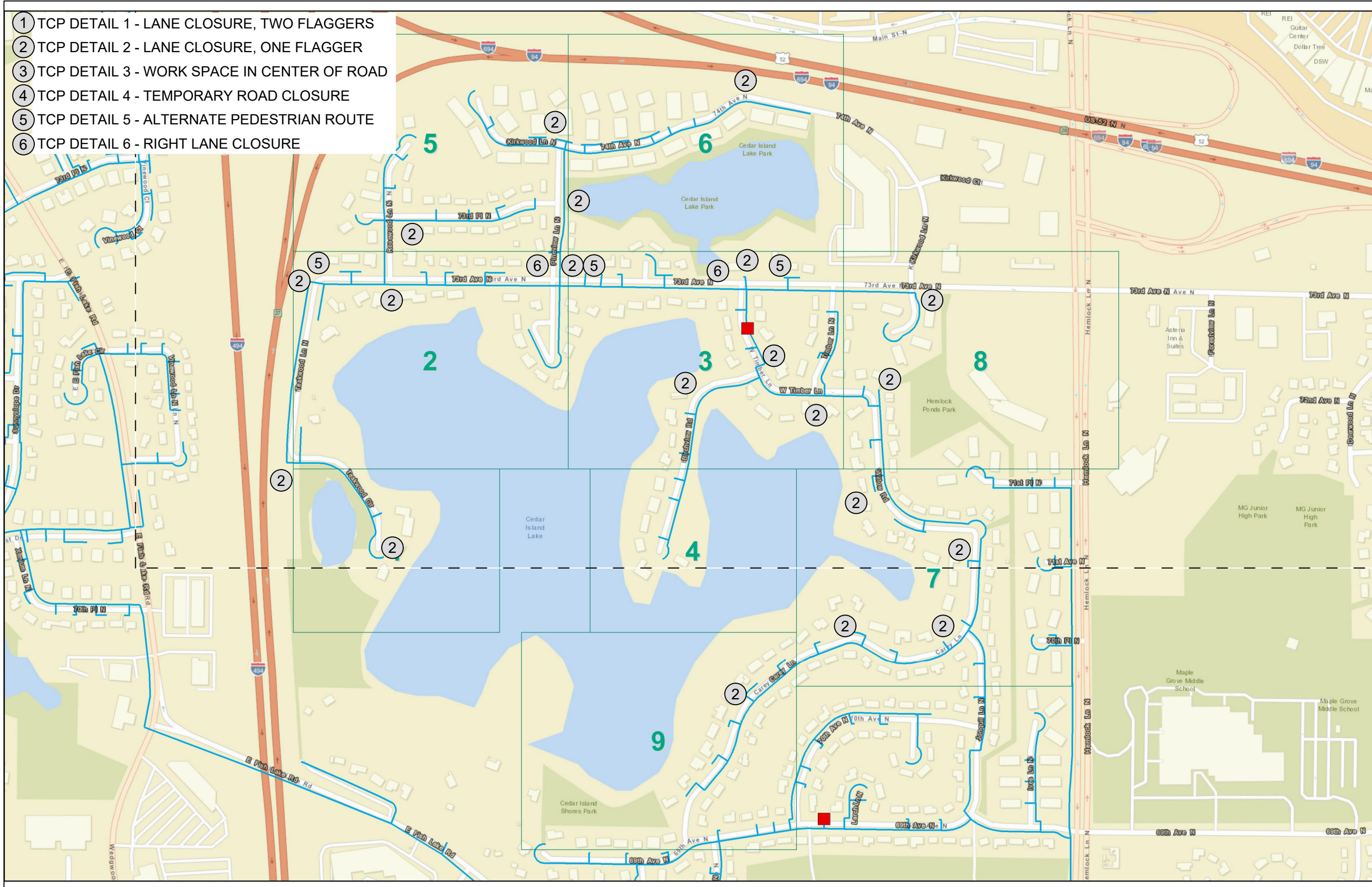


DETAILS

- 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-1-21**

ENGINEER:  
  
 A QUANTA SERVICES COMPANY  
 921 WEST VAN BUREN, SUITE 100  
 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  
 73RD AVE N & W TIMBER LN  
 MAPLE GROVE, MN**

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

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

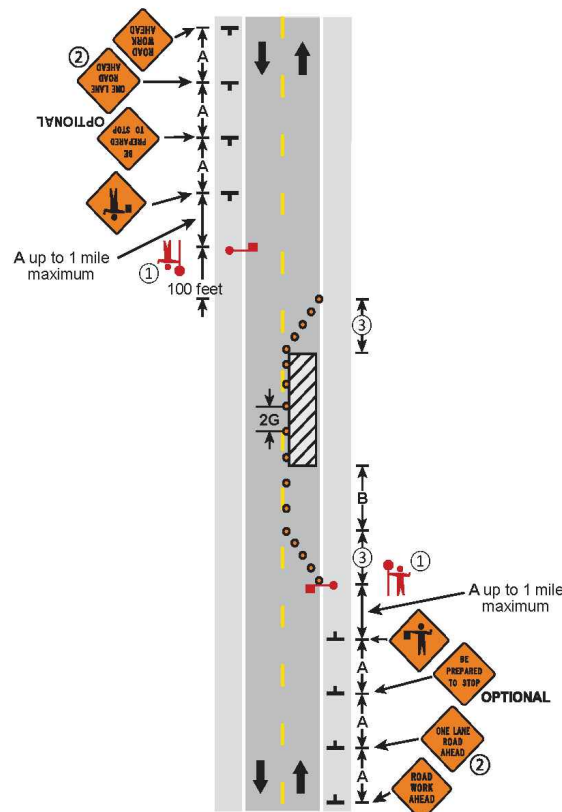
SHEET: **TC1**

### 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.



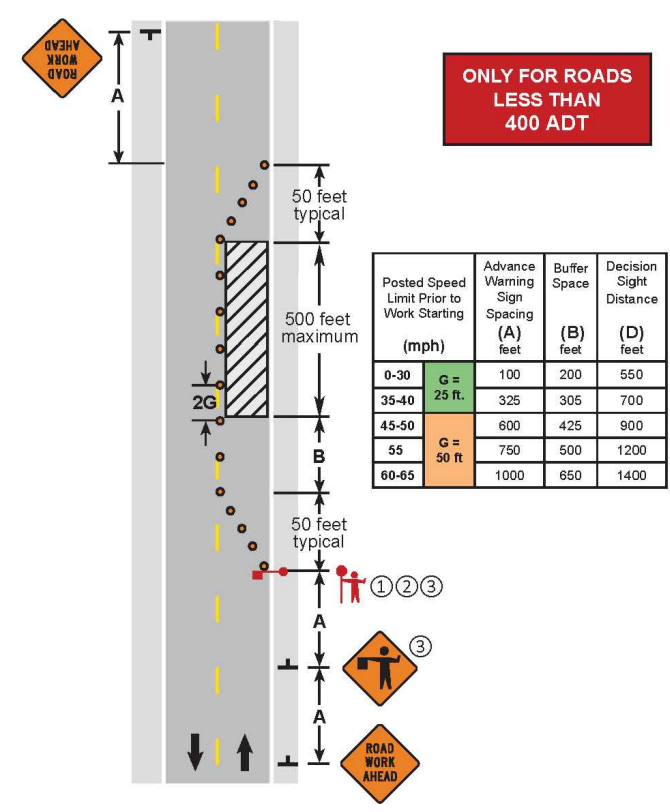
**LANE CLOSURE, TWO FLAGGERS**  
TWO-LANE, TWO-WAY ROAD  
3 DAYS or LESS  
6K-16 LAYOUT 16

### 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-1-21**

ENGINEER:  
**hbk**  
UTILITY ENGINEERING SOLUTIONS  
A QUANTA SERVICES COMPANY  
921 WEST VAN BUREN, SUITE 100  
CHICAGO, IL 60607  
PHONE: (312) 432-0076 FAX: (312) 432-0231  
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:  
**gatewayfiber**  
275 WEST SERVICE RD  
SUITE O  
WRIGHT CITY, MO 63390

TITLE:  
**PROPOSED FIBER - OPTIC  
INSTALLATION**  
73RD AVE N & W TIMBER LN  
MAPLE GROVE, MN

REV	DATE	DESCRIPTION	BY
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DRAWN BY: ASV  
CHECKED BY: AJR  
APPROVED BY: NFJ

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

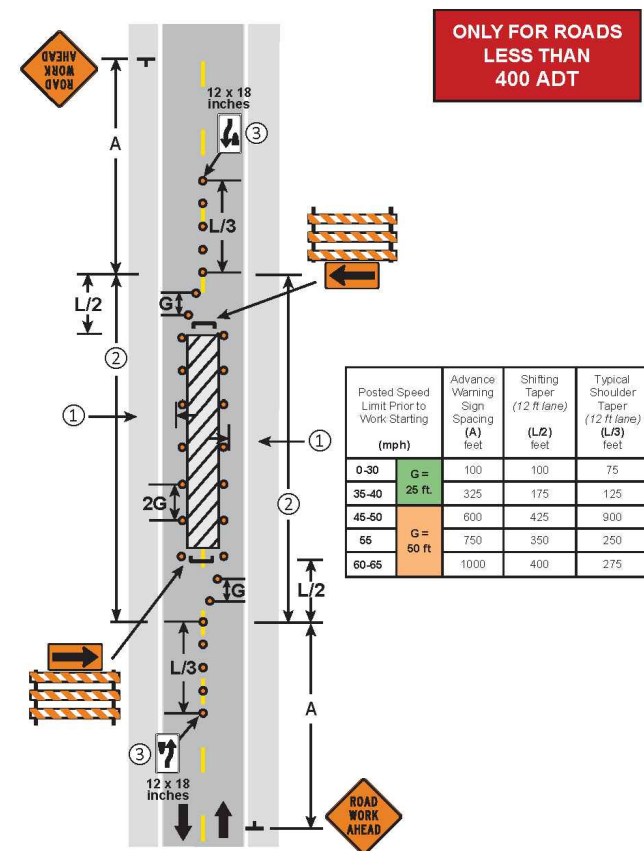
SHEET: **TC2**

### 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.



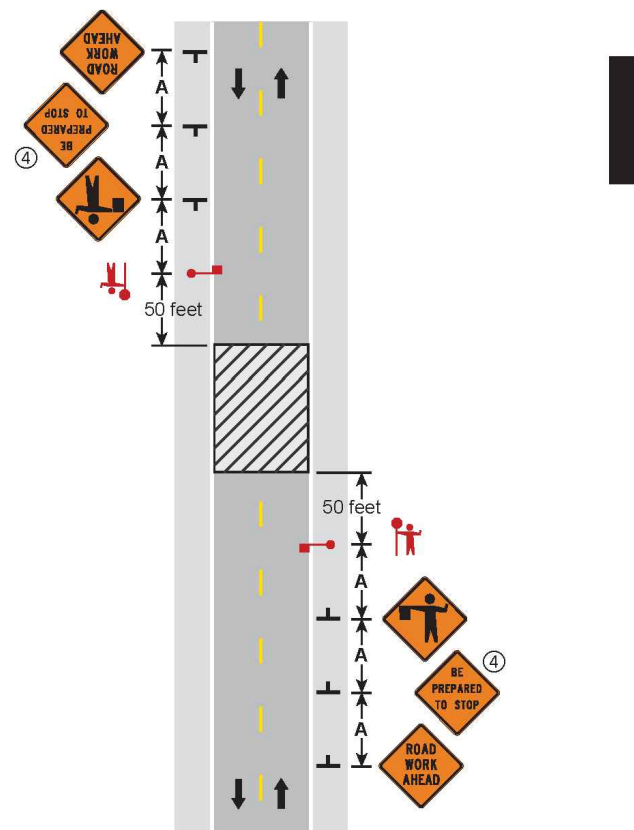
**WORK SPACE IN CENTER OF ROAD**  
TWO-LANE, TWO-WAY ROAD  
3 DAYS or LESS  
6K-2 LAYOUT 2

### 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-1-21

ENGINEER:  
**hbk**  
UTILITY  
CONSTRUCTION  
SOLUTIONS  
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PHONE: (312) 432-0076 FAX: (312) 432-0231  
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL  
REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:  
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275 WEST SERVICE RD  
SUITE O  
WRIGHT CITY, MO 63390

TITLE:  
PROPOSED FIBER - OPTIC  
INSTALLATION  
73RD AVE N & W TIMBER LN  
MAPLE GROVE, MN

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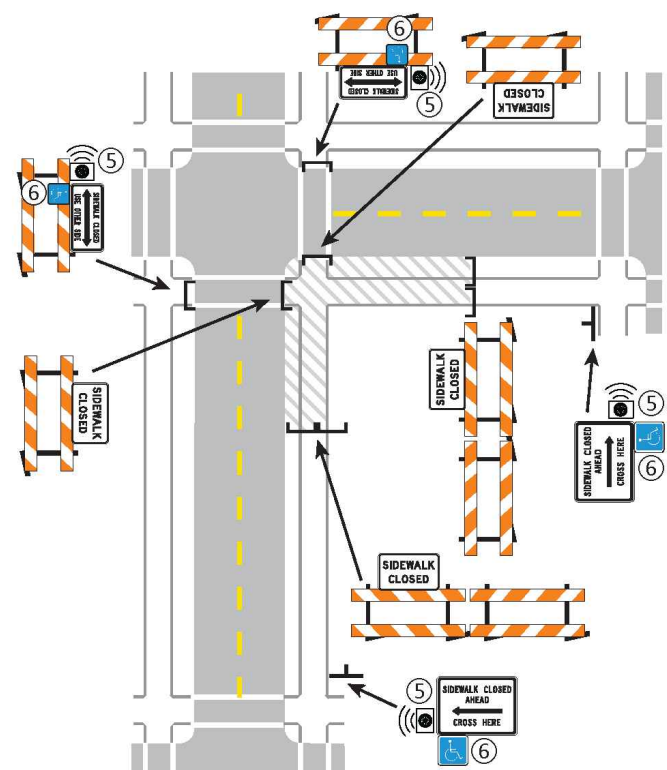
DRAWN BY: ASV  
CHECKED BY: AJR  
APPROVED BY: NFJ

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

SHEET: TC3

TCP DETAIL 5

Field Manual January 2018



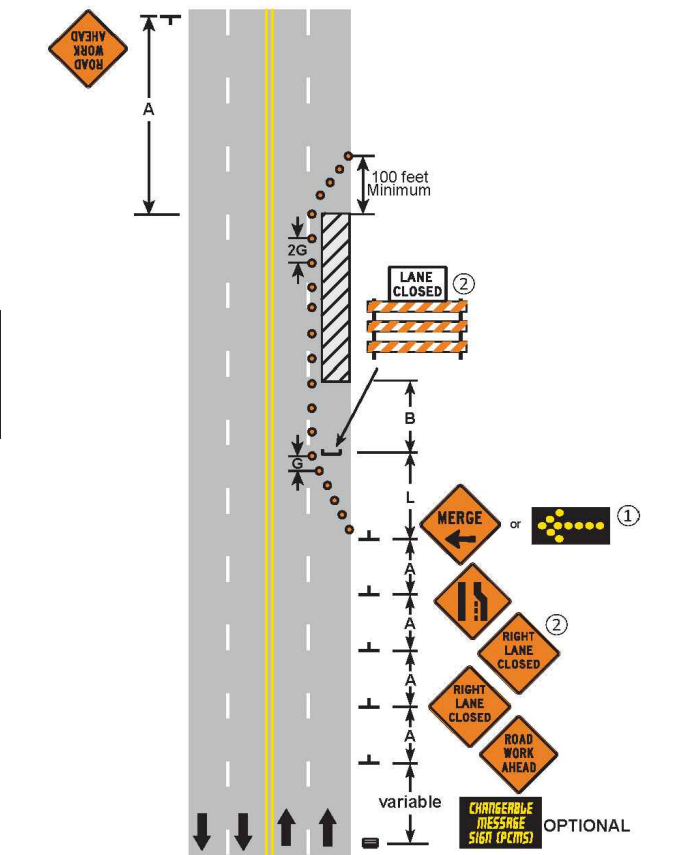
**ALTERNATE PEDESTRIAN ROUTE**  
**CROSSWALK CLOSURES AND PEDESTRIAN DETOURS**  
 3 DAYS or LESS LAYOUT 88b  
 6K-88b LAYOUT 88a & b

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.



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

FIBERHOOD:  
**MPGV-MN-1-21**

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**