



# Ada County Highway District Traffic Engineering Division

## Standard Traffic Control Templates

• REVISIONS •			
NO.	DATE	BY	DESCRIPTION
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Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713

• SIGNATURES •			
Scale:	Drawn By:	Joshua Seals	
Date:	Design By:	Joshua Seals	
File:	Approved By:	Rose Oyen	

• TYPICAL TRAFFIC CONTROL PLANS •	
Title Page	

• STANDARD DETAIL NO. •
TC-TITLE

# Ada County Highway District Standard Traffic Control Templates

## Signature Page

It is the intention of the undersigned that the Ada County Highway District's (ACHD) standard traffic control templates be used only as a guide. Therefore, it is the sole responsibility of the applicant who is referencing or using these templates for a specific project to ensure that all relevant specifications and drawings are appropriate for the specific use. All templates shall be used appropriately under all circumstances and, if needed, modified as necessary in order to prepare a final product that meets all relevant State and National guidelines.

Refer to the "General Notes" section of these standard traffic control templates for limitations and usage guidelines.

## Idaho Professional Engineers' Seals



Original Standards, Misc.  
Comments and Review - 2013  
Ada County Highway District  
Traffic Engineering Supervisor



Original Standards - 2013  
Ada County Highway District  
Traffic Design Engineer

• REVISIONS •			
NO.	DATE	BY	DESCRIPTION
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Ada County Highway District (ACHD)  
5900 N Meeker Ave Boise, ID 83713

• SIGNATURES •			
Seal:	Drawn By: Joshua Saak		
Date: 4/11/13	Design By: Joshua Saak		
File: TC-SIG.DWG	Approved By: Ross Oyten		

• TYPICAL TRAFFIC CONTROL PLANS •	
Signature Page	

• STANDARD DETAIL NO. •
TC-SIG

	DETAIL	REV. DATE	DESCRIPTION
<input type="checkbox"/>	TC-SIG	4/13	SIGNATURE PAGE
<input type="checkbox"/>	TC-INDEX	2/14	LIST OF TRAFFIC STANDARD DETAILS
<input type="checkbox"/>	TC-NOTES	1/13	GENERAL NOTES FOR TEMPORARY TRAFFIC CONTROL
<input type="checkbox"/>	TC-01	2/14	TYPICAL CONSTRUCTION SIGNS
<input type="checkbox"/>	TC-02	4/13	DEVICE SPACING TABLE
<input type="checkbox"/>	TC-09	1/13	ALLEY CLOSURE
<input type="checkbox"/>	TC-10	3/12	WORK BEYOND THE SHOULDER
<input type="checkbox"/>	TC-11	3/12	SHOULDER WORK WITH MINOR ENCROACHMENT
<input type="checkbox"/>	TC-12	3/12	SHOULDER WORK NEAR INTERSECTIONS
<input type="checkbox"/>	TC-20	3/12	SIDE OF ROAD - TWO LANES
<input type="checkbox"/>	TC-21	3/12	CENTER OF ROAD - TWO LANES
<input type="checkbox"/>	TC-22	2/14	SIDE OF ROAD - TWO LANES W/FLAGGERS
<input type="checkbox"/>	TC-23	3/12	SIDE OF ROAD - RIGHT LANE, FOUR LANES
<input type="checkbox"/>	TC-24	3/12	INTERIOR OF ROAD - HALF ROAD CLOSURE, FOUR LANES
<input type="checkbox"/>	TC-25	3/12	INTERIOR OF ROAD - LEFT LANE, FOUR LANES
<input type="checkbox"/>	TC-26	3/12	INTERIOR OF ROAD - LEFT LANE CLOSURES, FOUR LANES
<input type="checkbox"/>	TC-27	3/12	SIDE OF ROAD - LANE CLOSURE, THREE LANES
<input type="checkbox"/>	TC-28	3/12	CENTER OF ROAD - TWLTL CLOSURE, THREE LANES
<input type="checkbox"/>	TC-29	3/12	SIDE OF ROAD - RIGHT LANE CLOSURE, FIVE LANES
<input type="checkbox"/>	TC-30/A	2/14	SIDE OF ROAD - TWO/THREE LANE CLOSURE, FIVE LANES
<input type="checkbox"/>	TC-31	3/12	INTERIOR OF ROAD - CENTER/LEFT LANE CLOSURE, FIVE LANES
<input type="checkbox"/>	TC-32	3/12	CENTER OF ROAD - CENTER/LEFT LANE CLOSURES, FIVE LANES
<input type="checkbox"/>	TC-33	2/14	SPEED REDUCTION ZONES W/FLAGGERS
<input type="checkbox"/>	TC-34	2/14	SPEED REDUCTION ZONES - MULTILANE FACILITIES
<input type="checkbox"/>	TC-50	3/12	SIDE OF ROAD - RIGHT LANE CLOSURE ON FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-51	3/12	SIDE OF ROAD - RIGHT LANE CLOSURE ON NEAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-52	3/12	INTERIOR OF ROAD - LEFT LANE CLOSURE ON FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-53	3/12	INTERIOR OF ROAD - LEFT LANE CLOSURE ON NEAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-54	3/12	INTERIOR OF ROAD - CENTER AREA CLOSURE
<input type="checkbox"/>	TC-55	3/12	SIDE OF ROAD - RIGHT LANE CLOSURE AT RIGHT SIDE OF INTERSECTION
<input type="checkbox"/>	TC-56	3/12	SIDE OF ROAD - RIGHT LANE CLOSURE AT LEFT SIDE OF INTERSECTION
<input type="checkbox"/>	TC-57	3/12	INTERIOR OF ROAD - LEFT TURN LANES, LEFT LANE CLOSURE ON FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-58	3/12	SIDE OF ROAD - LEFT TURN LANES, RIGHT LANE CLOSURE ON FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-59	3/12	INTERIOR OF ROAD - DUAL LEFT TURN LANES, LEFT LANE CLOSURE ON FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-60	3/12	SIDE OF ROAD - DUAL LEFT TURN LANES, RIGHT LANE CLOSURE ON FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-61	3/12	INTERIOR OF ROAD - RIGHT/LEFT LANE CLOSURE IN INTERSECTION
<input type="checkbox"/>	TC-62	3/13	INTERSECTION - FLAGGING OPERATION
<input type="checkbox"/>	TC-63	3/13	INTERSECTION - FLAGGING OPERATION WITH DETOUR
<input type="checkbox"/>	TC-100	3/12	SIDE OF ROAD - CLOSURE AT FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-101	3/12	INTERIOR OF ROAD - CLOSURE AT FAR SIDE OF INTERSECTION
<input type="checkbox"/>	TC-200	1/13	PEDESTRIAN TRAFFIC CONTROL - SIDEWALK DIVERSION
<input type="checkbox"/>	TC-201	1/13	PEDESTRIAN TRAFFIC CONTROL - SIDEWALK DIVERSION W/BARRICADE
<input type="checkbox"/>	TC-202	1/13	PEDESTRIAN TRAFFIC CONTROL - CROSSWALK CLOSURE AND PEDESTRIAN DETOUR
<input type="checkbox"/>	TC-203A/B	1/13	PEDESTRIAN TRAFFIC CONTROL - TEMPORARY RAMP/BARRICADE DETAILS
<input type="checkbox"/>	TC-204	1/13	PEDESTRIAN TRAFFIC CONTROL - SIDEWALK BYPASS

For questions and comments concerning these standard traffic control details, please contact the ACHD Traffic Engineering Division.

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 Garden City, ID 83714

Website: [www.achdidaho.org](http://www.achdidaho.org)  
 Email: [tellus@achdidaho.org](mailto:tellus@achdidaho.org)

• REVISIONS •		
NO.	DATE	BY



• SIGNATURES •	
Drawn By: Joshua Stutz	
Date: 5/25/12	
Design By: Joshua Stutz	
File: TC-INDEX.DWG	
Approved By: Ross Open	

• TYPICAL TRAFFIC CONTROL PLANS •		• STANDARD DETAIL NO. •
Index of Traffic Control Standard Details		TC-INDEX

# TEMPORARY TRAFFIC CONTROL - GENERAL NOTES:

1. Temporary traffic control (TTC) shall comply with the most recently adopted version of the Manual on Uniform Traffic Control Devices (MUTCD).
2. Sign placement in rural areas:
  - a. The minimum sign height, measured vertically from the bottom of the sign to the elevation of the near edge of the pavement, shall be 5'.
  - b. The height to the bottom of a secondary sign/plaque mounted below another sign shall be 4'.
  - c. Lateral offsets from the roadway shall be in accordance with the most recently adopted version of the MUTCD.
  - d. Shall not be located on sidewalks or bicycle facilities.
3. Sign placement in urban areas:
  - a. The minimum sign height, measured vertically from the bottom of the sign to the top of the curb, shall be 7'.
  - b. In the absence of curb, the minimum sign height, measured vertically from the bottom of the sign to the elevation of the near edge of the pavement, shall be 7'.
  - c. The minimum sign height of signs installed at the side of the road in business, commercial, or residential areas where parking or pedestrian movements are likely to occur, or where the sign may be obstructed, shall be 7'.
  - d. The height to the bottom of a secondary sign/plaque mounted below another sign shall be 6'.
  - e. Shall not be located on sidewalks or bicycle facilities.
4. The use of signs mounted on a barricade or other portable support, with 1' minimum above the travelled way, may be considered under the following conditions:
  - a. The roadway has a continuous two lane cross section.
  - b. The posted speed limit of the roadway is 30 mph or less.
  - c. The average daily traffic (ADT) count on the roadway is less than 4000.
  - d. Sign placement does not obstruct sidewalks or bike lanes.
  - e. Sign placement provides an unobstructed view to drivers.
  - f. The work zone duration is a maximum of three (3) days. Should work extend beyond three (3) days, all signs used as part of the TTC plan shall be either raised to meet the criteria previously specified or be post mounted.
5. All signs shall be retroreflective with a material that has a smooth, sealed outer surface. For short term projects (one day), intermediate term projects (up to three days or nighttime work lasting more than one hour) or mobile operation, signs may be made of a rigid or flexible material.
6. For nighttime operation, all advance warning signs shall be equipped with Type B High-Intensity Flashing warning lights; the first delineator on a tangent and all delineators on tapers shall have Type C Steady-Burn warning lights.
7. A minimum of one person shall be assigned to provide full time, continuous monitoring and maintenance of traffic control devices. The person assigned this responsibility may also participate in other construction activities; however, the assigned worker shall be aware of his/her responsibilities for providing this assistance.
8. All channelizing devices shall be 28" min. in height during night work (all facilities) and on roadways with a posted speed limit of 45 mph or greater. Channelizing devices shall be 18" min. during day work on roadways with a posted speed limit of 40 mph or less. Delineators used during night time hours shall be equipped with retroreflective bands. Maximum delineator spacing shall be in accordance with ACHD standard details and the MUTCD and shall not exceed 50'.
9. "END ROAD WORK" signs (G20-2) may be placed at the end of areas controlled by temporary traffic control.
10. The ACHD inspector may direct the contractor to discontinue operations at any time if the inspector determines the work creates an undue safety risk or severe traffic congestion.
11. Traffic control devices shall be installed such that the advance sign or device farthest from the work zone shall be placed first with subsequent devices installed progressively towards the work zone.
12. Existing signs that may conflict with temporary traffic control devices shall be covered.
13. Flaggers shall wear approved safety apparel, shall be equipped with stop/slow paddles and shall be in sight of each other or in direct communication at all times.
14. TTC signs shall be promptly removed or covered whenever the message is not applicable or not in use.
15. Driveway access shall be maintained at all times during construction, unless other arrangements have been made with ACHD and the affected property owner in advance.
16. Buffer and taper areas shall remain clear of vehicles and equipment at all times, with the exception of appropriate traffic control devices.
17. Work involving modifications to normal traffic signal operations shall be coordinated with ACHD Traffic Operations.
18. On roadways where on-street parking is permitted, temporary "No Parking" signs shall be placed where roadway widths are inadequate to accommodate both parking and vehicular travel during work activities.
19. If construction obstructs an existing bus stop, the contractor shall coordinate work with Valley Regional Transit (VRT) a minimum of two (2) working days in advance of work and make provisions acceptable to VRT to provide an alternate temporary stop.
20. Work performed under these standard traffic control templates shall be limited to the hours approved by ACHD.
21. Use of these standard traffic control plans does not relieve the user of other ACHD requirements, such as obtaining a right of way use permit from ACHD for work in the right of way, submitting temporary traffic control plans and notification of the ACHD inspector prior to start of work.
22. Users of these standard traffic control plans shall review field conditions prior to beginning work. Users shall determine specific aspects of the roadway at the work location, determine the most appropriate template, complete the data table and revise the template with notes/sketches as appropriate to delineate actual field conditions. These templates shall not be used in locations where they do not reasonably depict actual field conditions.
23. Approved traffic control plans shall be on site available for review by the ACHD inspector when temporary traffic devices are in place.
24. All relevant traffic control devices shall be removed from the work site within one (1) working day of work completion.

• REVISIONS •			
NO.	DATE	BY	DESCRIPTION
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Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713

• SIGNATURES •			
Scale:	Drawn By: Joshua Seals	Checked By:	
Date:	1/8/13	Design By: Joshua Seals	
File:	TC--NOTES.DWG	Approved By: Ross Open	

• TYPICAL TRAFFIC CONTROL PLANS •	
General Notes	

• STANDARD DETAIL NO. •
TC-NOTES

**SIGN COLOR LEGEND**

- (OB) ORANGE AND BLACK
- (RW) RED AND WHITE
- (BW) BLACK AND WHITE
- (BY) BLACK AND YELLOW
- (RBW) RED, BLACK AND WHITE



R1-1  
(RW)



R1-2  
(RW)



G20-5aP  
(OB)



R2-1  
(BW)



R2-5  
(BW)



R3-1  
(RBW)



R3-2  
(RBW)



R3-7L  
(BW)



R3-7R  
(BW)



W20-1  
(OB)



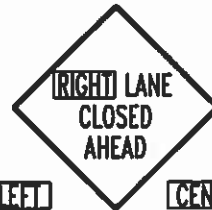
W20-2  
(OB)



W20-3  
(OB)

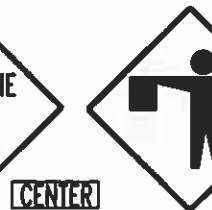


W20-4  
(OB)



LEFT  
W20-5L

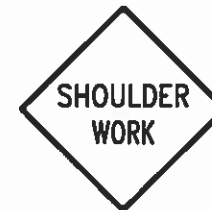
W20-5R  
(OB)



CENTER  
W9-3



W20-7  
(OB)



W21-5  
(OB)



G20-2  
(OB)



W1-3R  
(OB)



W1-3L  
(OB)



W1-4R  
(OB)



W1-4L  
(OB)



W4-2R  
(OB)



W4-2L  
(OB)



W6-3  
(OB)



W13-1  
(OB)



R3-5L  
(BW)



R3-5R  
(BW)



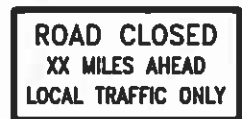
R4-7  
(BW)



R4-8  
(BW)



R11-2  
(BW)



R11-3a  
(BW)



R11-4  
(BW)



W5-1  
(OB)



W11-2  
(OB)



R9-9  
(BW)



R9-11  
(BW)



M4-9b  
(OB)



R9-11a  
(BW)



R9-10  
(BW)



W3-4  
(OB)



M4-9L  
(OB)



M4-9R  
(OB)



M4-8a  
(OB)



R2-6  
(BW)



W3-5  
(OB)

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	3/2014	JCB	Add R2-6 and W3-5 signs

**ACHD**  
 Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713  
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SIGNATURES			
Drawn	By: Joshua Booth	Checked	By: Joshua Booth
Date:	Design: By: Joshua Booth	Approved	By: Russ Olson
Plan	NO-01.000		

TYPICAL TRAFFIC CONTROL PLANS	
Typical Construction Signs	

STANDARD DETAIL NO.
TC-01

POSTED SPEED (MPH)	FORMULA (1)	BUFFER SPACE	MINIMUM TAPER LENGTHS									MAX. DELINEATOR SPACING, TAPER (2)	MAX. DELINEATOR SPACING, TANGENT (2)	MIN. SIGN SPACING (3)
			W = 10' (OFFSET)			W = 11' (OFFSET)			W = 12' (OFFSET)					
			L	$\frac{1}{2}$ L	$\frac{1}{3}$ L	L	$\frac{1}{2}$ L	$\frac{1}{3}$ L	L	$\frac{1}{2}$ L	$\frac{1}{3}$ L			
			MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER	MERGE	SHIFT	SHOULDER			
20	$L = \frac{WS^2}{60}$	115'	70'	35'	25'	75'	40'	25'	80'	40'	30'	20'	40'	100'
25		155'	105'	55'	35'	115'	60'	40'	125'	65'	45'	25'	50'	100'
30		200'	150'	75'	50'	165'	85'	55'	180'	90'	60'	30'	60'	100'
35		250'	205'	105'	70'	225'	115'	75'	245'	125'	85'	35'	70'	100'
40		305'	270'	135'	90'	295'	150'	100'	320'	160'	110'	40'	80'	350'
45	L=WS	360'	450'	225'	150'	495'	250'	165'	540'	270'	180'	45'	90'	350'
50		425'	500'	250'	170'	550'	275'	185'	600'	300'	200'	50'	100'	500'
55		495'	550'	275'	185'	605'	305'	205'	660'	330'	220'	50'	100'	500'

**NOTES**

LOW SPEED – POSTED SPEED LIMIT OF 40 MPH AND BELOW  
HIGH SPEED – POSTED SPEED LIMIT OF 45 MPH AND ABOVE

L = TAPER LENGTH  
S = SPEED LIMIT  
W = WIDTH (VEHICULAR OFFSET FROM PATH OF TRAVEL)

(1) FOR OFFSETS (W) THAT DIFFER FROM THOSE SHOWN, CALCULATE "L" USING THE GIVEN FORMULA FOR THE POSTED SPEED LIMIT.

(2) DELINEATORS SHOWN ON TEMPLATES ARE FOR ILLUSTRATION ONLY. THE EXACT NUMBER OF DEVICES NECESSARY SHALL BE BASED OFF OF REQUIREMENTS PRESENTED IN THE ABOVE TABLE AND ACTUAL FIELD CONDITIONS.

(3) ON RURAL ROADWAYS, USE A MIN. 500' ADVANCE WARNING SIGN SPACING REGARDLESS OF THE POSTED SPEED LIMIT.

• REVISIONS •		
NO.	DATE	DESCRIPTION
1	4/13	JES Minor modifications to table dimensions

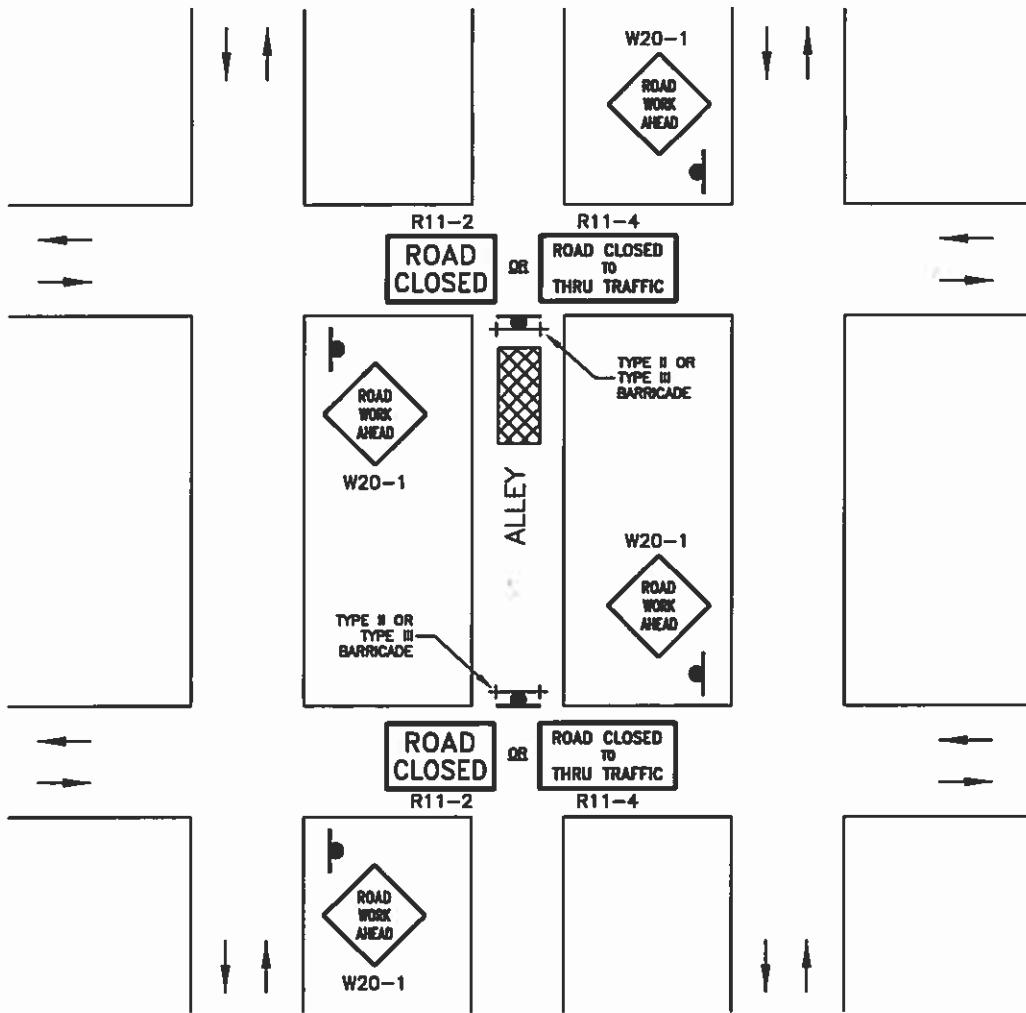


Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713  
www.achd.idaho.gov

• SIGNATURES •	
Scale:	Drawn By: Joshua Soak
Date: 9/25/12	Design By: Joshua Soak
File: TC-02.DWG	Approved By: Renee Oyan

• TYPICAL TRAFFIC CONTROL PLANS •	
Device Spacing Table	

• STANDARD DETAIL NO. •
TC-02



**NOTES**

1. SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
2. SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE.
3. CONTRACTOR SHALL MAINTAIN ALL APPLICABLE INTERSECTION CONTROL SIGNS, INCLUDING BUT NOT LIMITED TO STOP SIGNS, LANE USE CONTROL SIGNS AND TRAFFIC SIGNALS.
4. "ROAD CLOSED" SIGNS OR "ROAD CLOSED TO THRU TRAFFIC" SIGNS SHALL BE MOUNTED TO THE TYPE II OR III BARRICADES LOCATED AT EACH END OF THE ALLEY CLOSURE.
5. "ROAD WORK AHEAD" SIGNS ARE REQUIRED IF THE SIDE STREET HAS GREATER THAN 2000 VEHICLES PER DAY.
6. TYPE II BARRICADES MAY ONLY BE USED FOR SHORT DURATION PERMITS RELATED TO ALLEY CLOSURES (ONE WORKING DAY).

**LEGEND**

- DELINEATOR
- SIGN
- FLAGGER
- + BARRICADE
- VARIABLE MESSAGE SIGN
- ◀◀◀ ARROW BOARD
- ▨ WORK AREA
- TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING	SIGN SPACING	BUFFER LENGTH

NO.	DATE	BY	DESCRIPTION
18/18		JES	ALLOW TYPE II BARRICADES FOR SHORT DURATION WORK



Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713

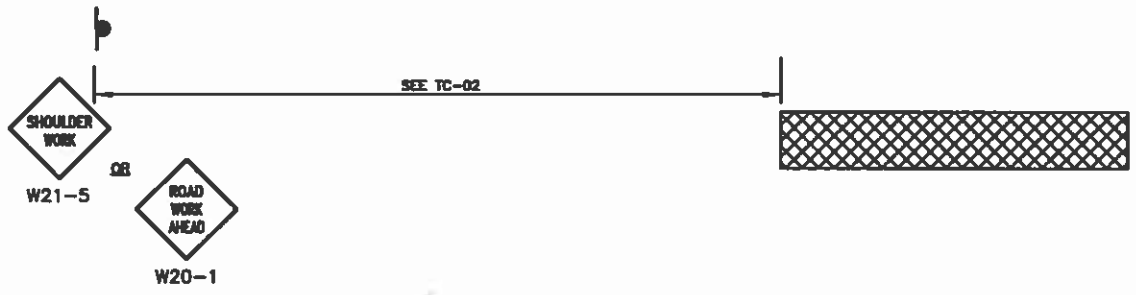
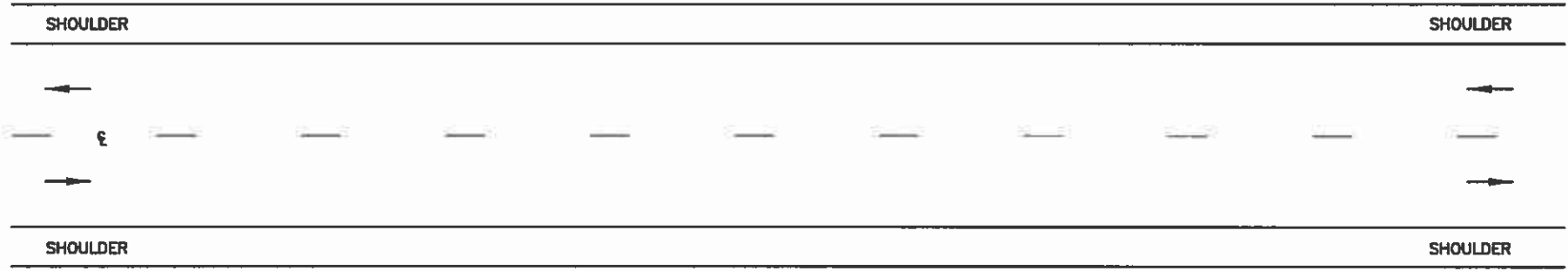
DESIGNED		APPROVED	
Scale: NTS	Drawn By: Joshua Smith	Design By: Joshua Smith	Approved By: Russ Oyer
Date: 1/11/2013			
File: 10-0.02d			

TYPICAL TRAFFIC CONTROL PLAN

Alley Closure

DRAWING DETAIL NO.

TC-09



**NOTES**

1. SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
2. SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
3. THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
4. "SHOULDER WORK" SIGN MAY BE OMITTED WHERE ONE OR MORE OF THE FOLLOWING IS APPLICABLE:
  - WORK AREA IS BEHIND A FIXED BARRIER
  - WORK AREA IS MORE THAN 24' BEHIND A CURB
  - WORK AREA IS 15' OR GREATER FROM THE EDGE OF ANY ROADWAY
5. "SHOULDER WORK" SIGN MAY BE SUBSTITUTED WITH A "ROAD WORK AHEAD" OR "UTILITY WORK AHEAD" SIGN AS CONDITIONS APPLY.

**LEGEND**

	DELINEATOR		ARROW BOARD
	SIGN		WORK AREA
	FLAGGER		TRAFFIC DIRECTION
	BARRICADE		
	VARIABLE MESSAGE SIGN		

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING	SIGN SPACING	BUFFER LENGTH

• REVISIONS •

NO.	DATE	BY	DESCRIPTION

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5800 N Meeker Ave Boise, ID 83713

• SIGNATURES •

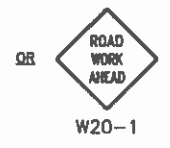
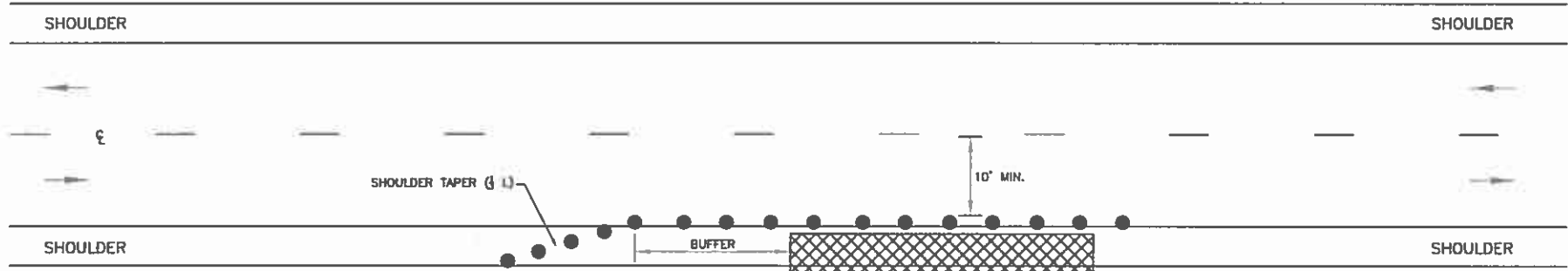
Designer: <b>MEB</b> Date: 3/2/2012 File: TC-10.CDR	Drawn By: <b>Andrew Smith</b> Design By: <b>Andrew Smith</b> Approved By: <b>Steve Olson</b>
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• TYPICAL TRAFFIC CONTROL PLANS •

Work Beyond the Shoulder
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• STANDARD CODE NO. •

TC-10
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**NOTES**

- SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
- SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
- THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
- "SHOULDER WORK" SIGN MAY BE SUBSTITUTED WITH A "ROAD WORK AHEAD" OR "UTILITY WORK AHEAD" SIGN AS CONDITIONS APPLY.

**LEGEND**

- DELINEATOR
- SIGN
- FLAGGER
- ⊥ BARRICADE
- VARIABLE MESSAGE SIGN
- ◀◀◀ ARROW BOARD
- ▨ WORK AREA
- TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	SHOULDER TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713  
www.achdaho.org

**SIGNATURES**

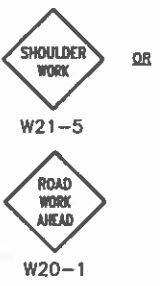
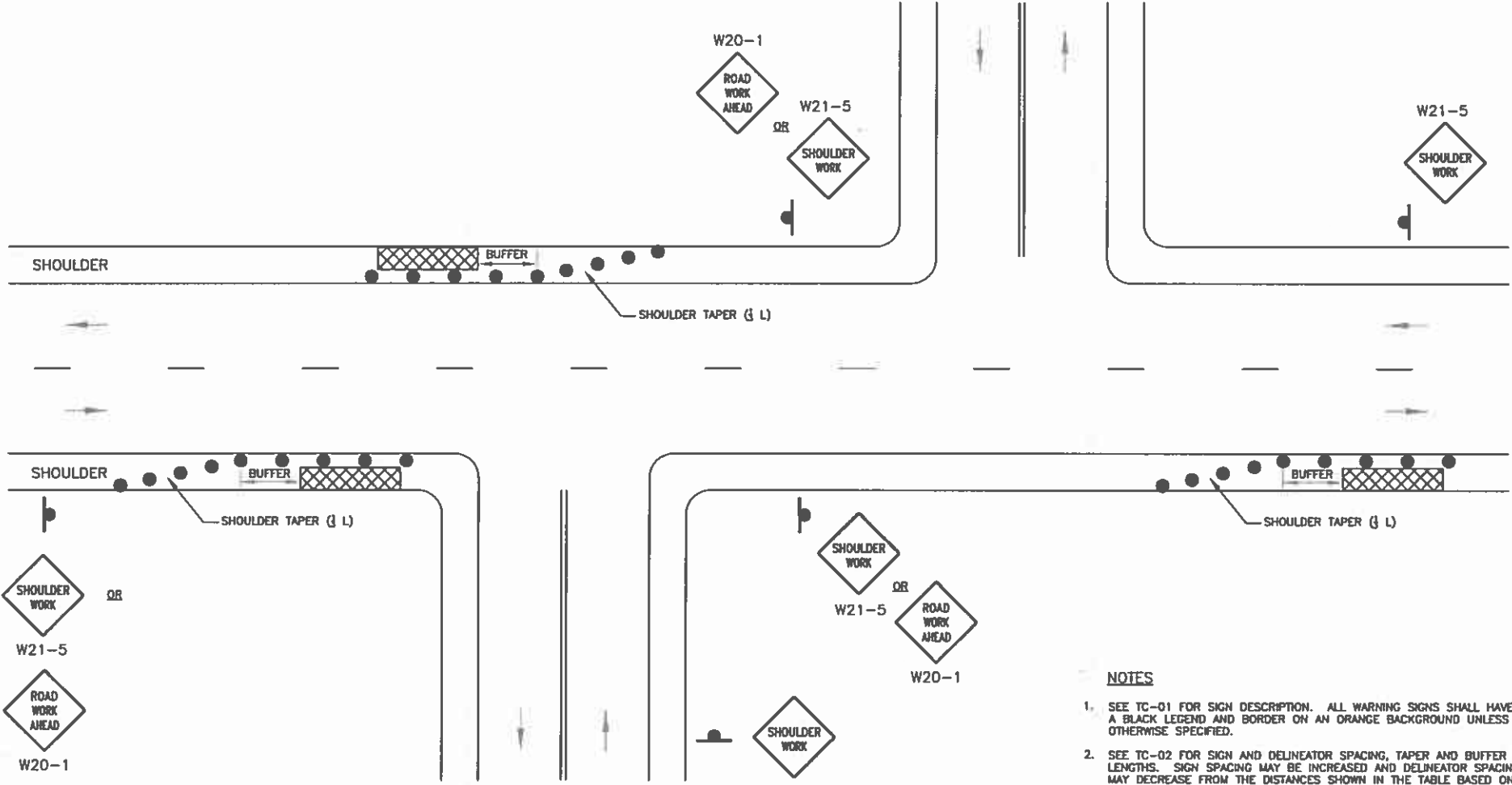
Scale: NTS	Drawn By: Joshua Shank
Date: 3/8/2013	Design By: Joshua Shank
File: TC-11.DWG	Approved By: Renee Ryan

**TYPICAL TRAFFIC CONTROL PLANS**

Shoulder Work with Minor Encroachment
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**STANDARD DETAIL NO.**

TC-11
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**NOTES**

1. SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
2. SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
3. WHEN PAVED SHOULDERS OR ON STREET PARKING AREAS HAVING A WIDTH OF 8' OR GREATER ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO DELINEATE THE BEGINNING OF THE WORK SPACE.

POSTED SPEED LIMIT (MPH)	SHOULDER TAPER LENGTH (3 L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**LEGEND**

- DELINEATOR
- SIGN
- FLAGGER
- BARRICADE
- VARIABLE MESSAGE SIGN
- ARROW BOARD
- WORK AREA
- TRAFFIC DIRECTION

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713

**SIGNATURES**

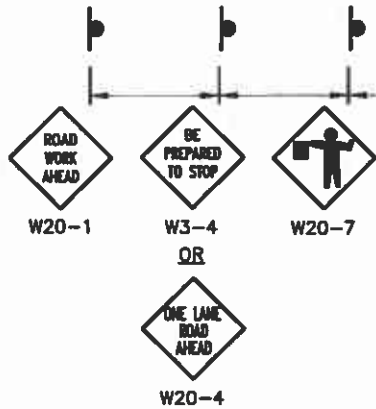
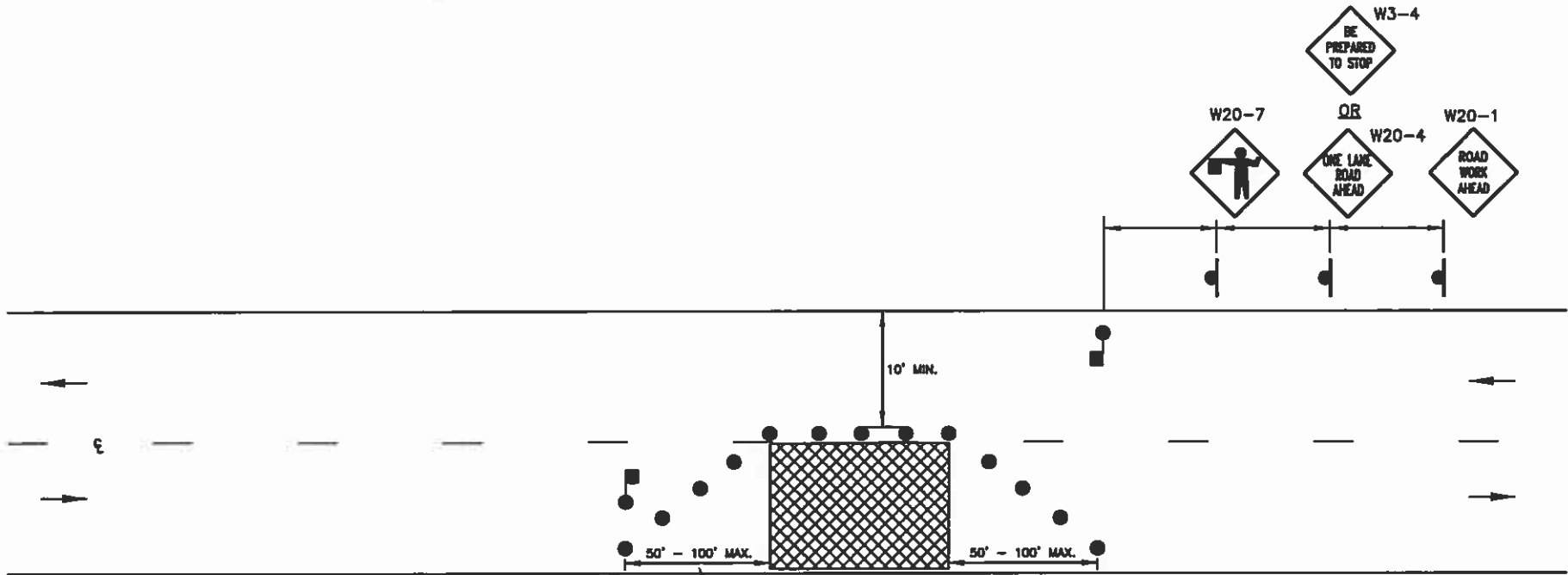
Checked: <i>NTB</i>	Drawn By: <i>Andrew Smith</i>
Date: <i>3/23/2013</i>	Design By: <i>Andrew Smith</i>
File: <i>TC-12.DWG</i>	Approved By: <i>Rana Dym</i>

**TYPICAL TRAFFIC CONTROL PLANS**

Shoulder Work - Near Intersections
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**STANDARD DETAIL NO.**

TC-12
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**NOTES**

- SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
- SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
- THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
- THIS PLAN CAN APPLY TO ROADWAYS WITH OR WITHOUT CENTERLINE MARKINGS.
- A BUFFER SPACE MAY BE INCLUDED AS PART OF THE WORK ZONE BASED ON SITE SPECIFIC CONDITIONS (HORIZONTAL AND VERTICAL ALIGNMENT OF ROADWAY, DRIVEWAYS, ETC.).
- FLAGGING TAPER SHALL BE A MINIMUM OF 50' IN LENGTH (100' MAX.) AND CONSIST OF AT LEAST FIVE (5) EVENLY SPACED CHANNELIZING DEVICES.
- EYE CONTACT SHALL BE MAINTAINED BETWEEN FLAGGERS. IF THIS IS NOT FEASIBLE, TWO-WAY COMMUNICATION SHALL BE EMPLOYED.

**LEGEND**

- DELINEATOR
- ▲ SIGN
- FLAGGER
- ⊕ BARRICADE
- VARIABLE MESSAGE SIGN
- ◀◀◀ ARROW BOARD
- ▨ WORK AREA
- TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
	50-100'(MAX.) (FOR FLAGGING)	/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION
1	5/20/14	JES	Minor revisions
2	11/20/14	JES	Revised taper length

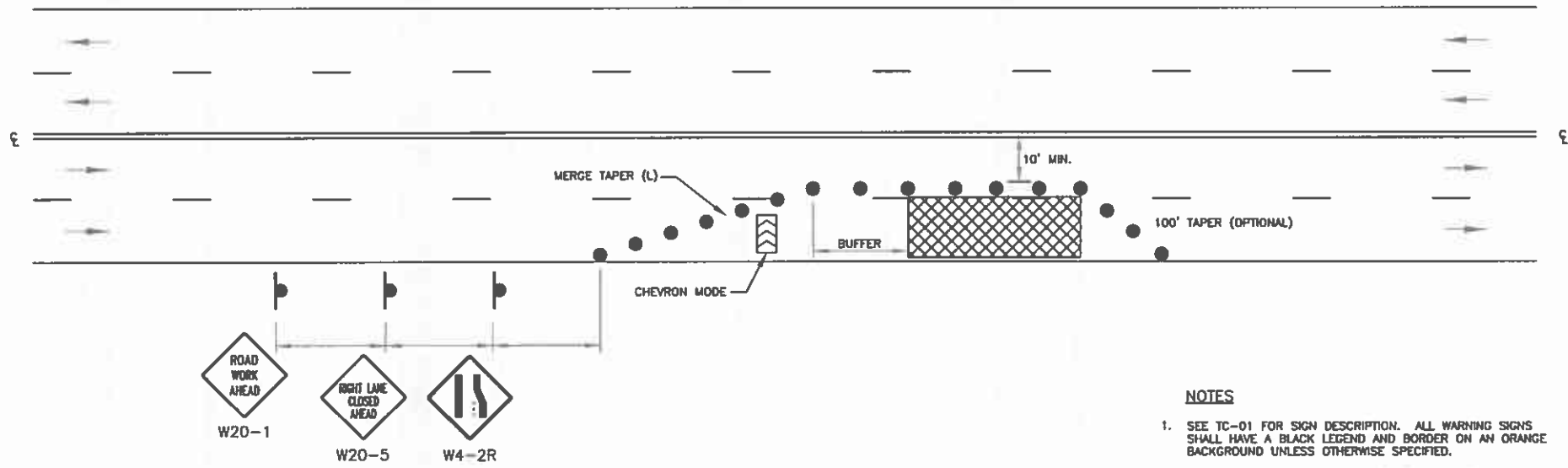
**ACHD**  
 Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713

**SIGNATURES**

Scale	Drawn By	Design By	Approved By
WTS	Jacobus Smith	Jacobus Smith	Steve Olson
Date	3/24/2012		
File	TD-02.000		

**TYPICAL TRAFFIC CONTROL PLANS**

STANDARD DETAIL NO.
TC-22



**NOTES**

1. SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
2. SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
3. THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
4. THE ARROW BOARD SHOULD BE LOCATED INSIDE THE TAPER BEHIND THE CHANNELIZING DEVICES AS CLOSE TO THE BEGINNING OF THE TAPER AS FEASIBLE.

**LEGEND**

- DELINEATOR
- ⬇ SIGN
- ⬆ FLAGGER
- + + BARRICADE
- VARIABLE MESSAGE SIGN
- ⬅ ARROW BOARD
- ▨ WORK AREA
- ➡ TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	MERGE TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**ACHD**  
Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713

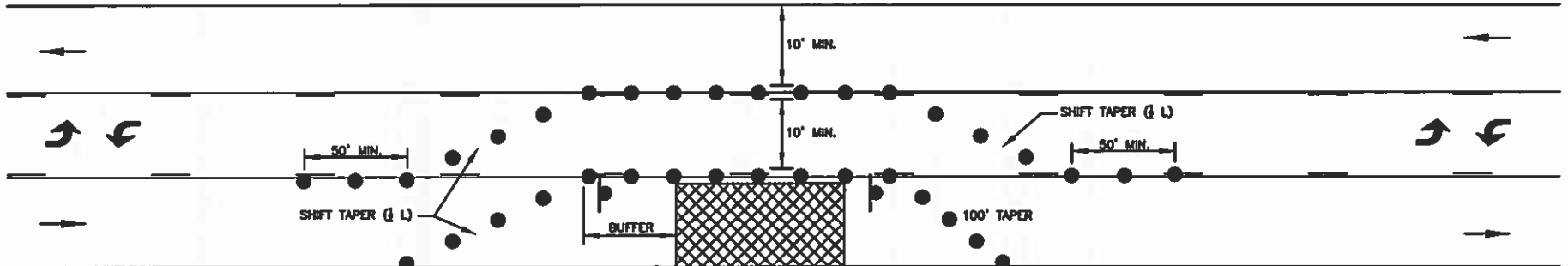
**SIGNATURES**

Sketcher: <i>HTS</i>	Drawn By: <i>Joshua Smith</i>
Date: <i>3/3/2012</i>	Design By: <i>Joshua Smith</i>
File: <i>TC-23.DWG</i>	Approved By: <i>Russ Dyer</i>

**TYPICAL TRAFFIC CONTROL PLANS**

Side of Road - Work Area  
Right Lane Traffic Control - Four Lanes

**STANDARD DETAIL NO. -**  
TC-23



**NOTES**

- SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
- SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
- THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
- THE W1-3R AND W1-3L SIGNS SHALL BE USED WHEN THE POSTED SPEED LIMIT IS 30 MPH OR LESS. THE W1-4L AND W1-4R SIGNS SHALL BE USED WHEN THE POSTED SPEED LIMIT IS 35 MPH OR ABOVE. WORK ZONE SPEED LIMIT REDUCTIONS SHALL BE IMPLEMENTED ONLY WITH APPROVAL OF THE ACHD TRAFFIC ENGINEER.
- ADDITIONAL W6-3 SIGNS MAY BE REQUIRED BASED ON THE LENGTH OF THE WORK ZONE AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER.

**LEGEND**

● DELINEATOR	◀◀◀ ARROW BOARD
■ SIGN	▨ WORK AREA
● FLAGGER	→ TRAFFIC DIRECTION
+ BARRICADE	← TRAFFIC DIRECTION
— VARIABLE MESSAGE SIGN	

POSTED SPEED LIMIT (MPH)	SHIFT TAPER LENGTH (S L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**ACHD**  
Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713

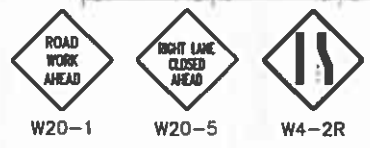
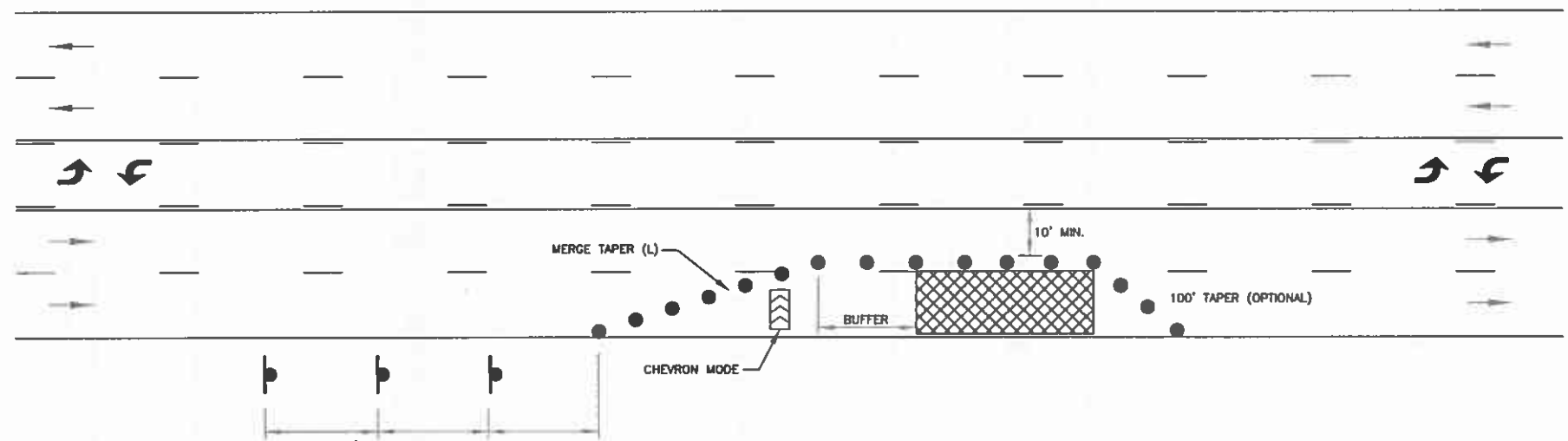
**SIGNATURES**

Drawn By: Jonathan Smith	Design By: Jonathan Smith
Date: 3/7/2018	Approved By: Randi Olson
File: 10-57.000	

**TYPICAL TRAFFIC CONTROL PLANS**

Side of Road - Work Area  
Multilane Traffic Control - Right Lane Closure - Three Lanes

**STANDARD DETAIL NO.**  
TC-27



**NOTES**

- SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
- SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
- THE ARROW BOARD SHOULD BE LOCATED INSIDE THE TAPER BEHIND THE CHANNELIZING DEVICES AS CLOSE TO THE BEGINNING OF THE TAPER AS POSSIBLE.
- THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.

**LEGEND**

- DELINEATOR
- ▲ SIGN
- FLAGGER
- ⊕ BARRICADE
- VARIABLE MESSAGE SIGN
- ◀◀◀ ARROW BOARD
- ▨ WORK AREA
- TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	MERGE TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**ACHD**  
Ada County Highway District (ACHD)  
5600 N Meeker Ave Boise, ID 83713  
www.achdboise.org

**SIGNATURES**

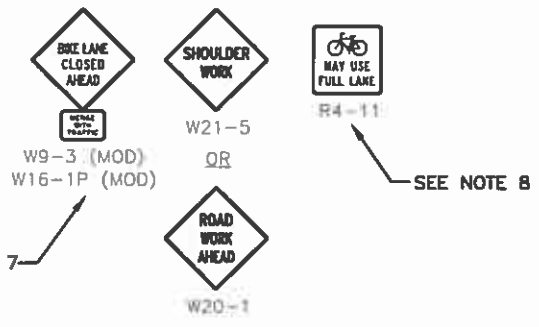
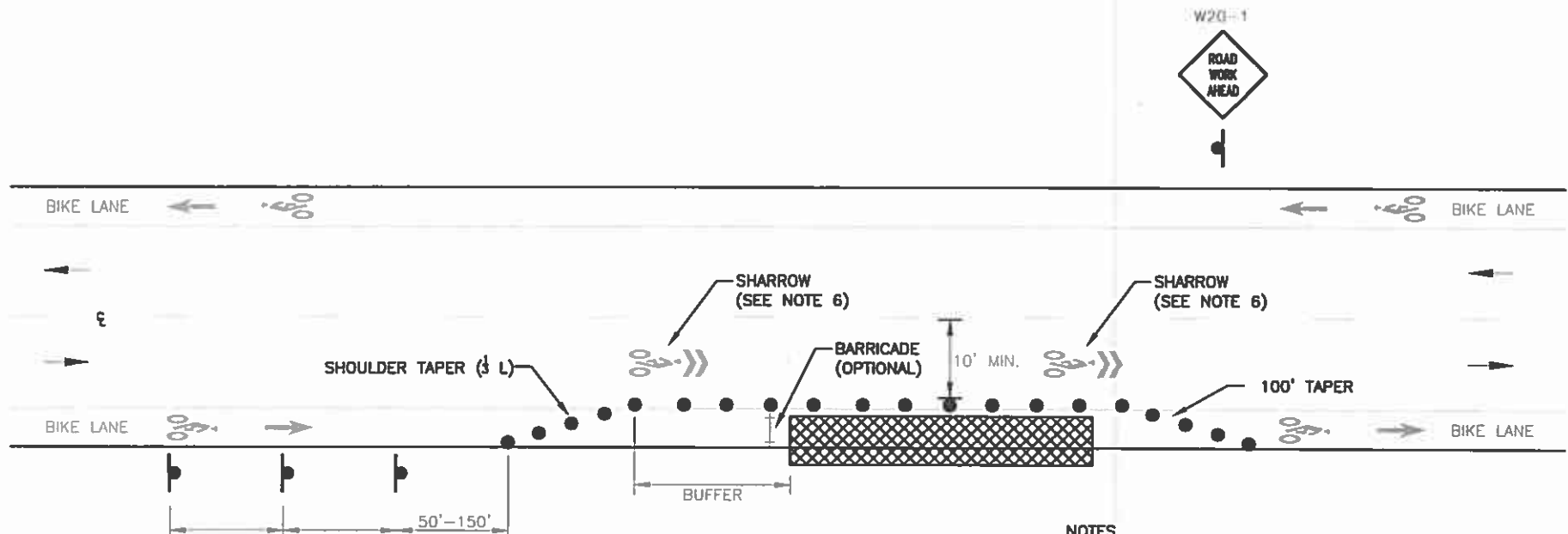
Revised: N/A	Drawn By: Joshua Smith
Date: 3/7/2012	Design By: Joshua Smith
File: TC-29.DWG	Approved By: Ross Cynn

**TYPICAL TRAFFIC CONTROL PLANS**

Side of Road - Work Area  
Multilane Traffic Control - Right Lane Closure - Five Lanes

**STANDARD DETAIL NO.**

TC-29



**NOTES**

1. SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
2. SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
3. THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
4. "SHOULDER WORK" SIGN MAY BE SUBSTITUTED WITH A "ROAD WORK AHEAD" OR "UTILITY WORK AHEAD" SIGN AS CONDITIONS APPLY.
5. COMBINE THIS DRAWING DETAIL WITH OTHERS AS NEEDED TO COMPLETE TEMPORARY TRAFFIC CONTROL FOR EACH WORK ACTIVITY.
6. SHARROWS MAY BE CONSIDERED FOR TEMPORARY INSTALLATION ON ROADWAYS WITH A POSTED SPEED LIMIT OF 35 MPH OR LESS AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER. SHARROWS SHALL BE INSTALLED ACCORDING TO ACHD STANDARD DRAWING TS-1113.05, OR AS DIRECTED BY THE ACHD TRAFFIC ENGINEER. TEMPORARY SHARROW MARKINGS SHALL BE OBLITERATED UPON COMPLETION OF THE WORK.
7. IF APPLICABLE, SIGNS INSTALLED IN ADVANCE OF AND INCLUDING THE BIKE LANE CLOSURE NOTIFICATION SHALL BE LOCATED OUTSIDE OF THE BICYCLE LANE OR BICYCLE TRAVEL PATH. THIS MAY NECESSITATE POST MOUNTED SIGN INSTALLATION. OTHER SIGNS MAY BE INSTALLED ON PORTABLE STANDS SUBJECT TO OTHER TTC REGULATIONS.
8. "BIKE MAY USE FULL LANE" SIGN SHALL BE MOUNTED ABOVE DELINEATORS SO VEHICLE OR BICYCLE SIGN VISION IS NOT OBSTRUCTED.

**LEGEND**

	DELINEATOR		SHARROW
	SIGN		ARROW BOARD
	FLAGGER		WORK AREA
	BARRICADE		TRAFFIC DIRECTION
	VARIABLE MESSAGE SIGN		

POSTED SPEED LIMIT (MPH)	SHOULDER TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH	SHARROWS Y/N?
		/			

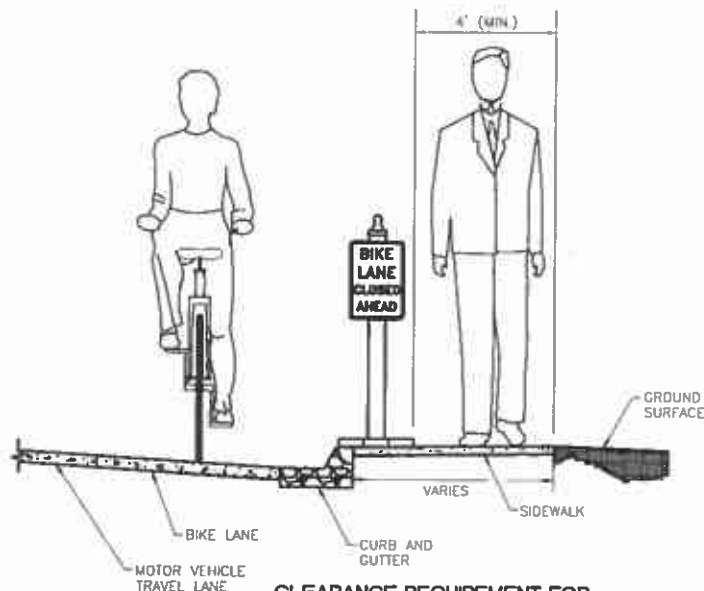
REV	DATE	BY	DESCRIPTION



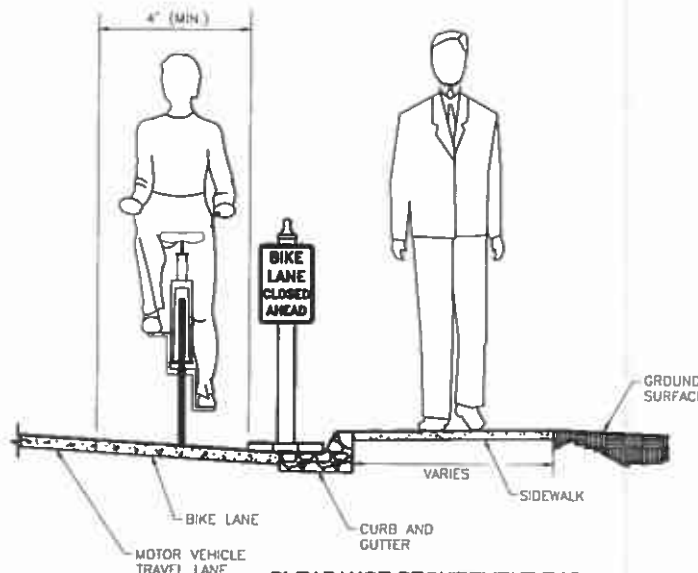
• SIGNATURES •			
Drawn By			
Design By			
Approved By			

• TYPICAL TRAFFIC CONTROL PLAN •	
Bicycle Traffic Control	
Bike Lane Closure for Shoulder Work	

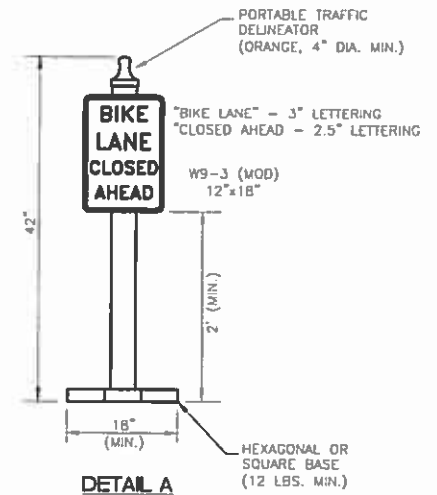
• STANDARD DETAIL NO. •
TC-150



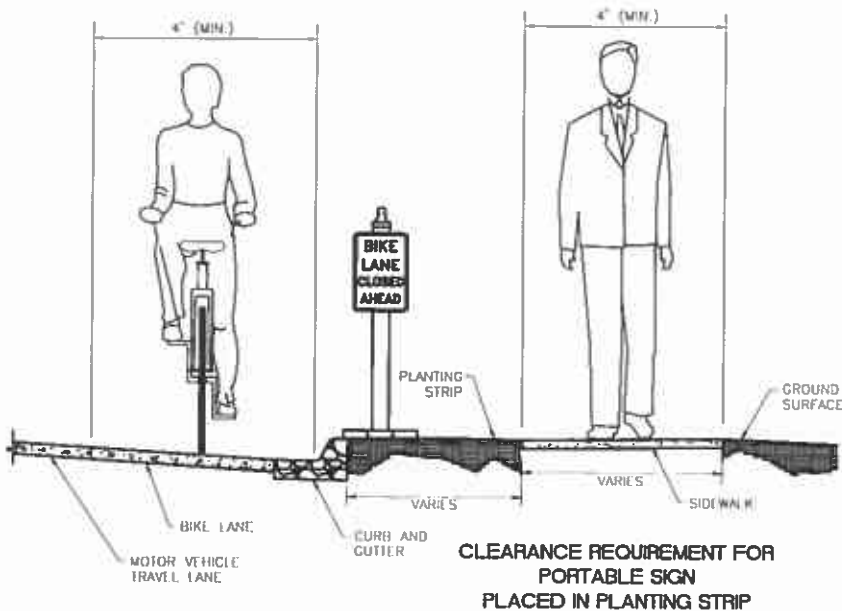
**CLEARANCE REQUIREMENT FOR PORTABLE SIGN PLACED ON SIDEWALK**



**CLEARANCE REQUIREMENT FOR PORTABLE SIGN PLACED IN BIKE LANE**



**DETAIL A**

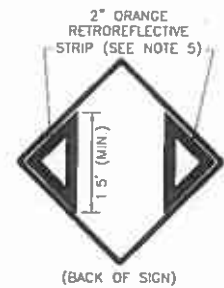


**CLEARANCE REQUIREMENT FOR PORTABLE SIGN PLACED IN PLANTING STRIP**

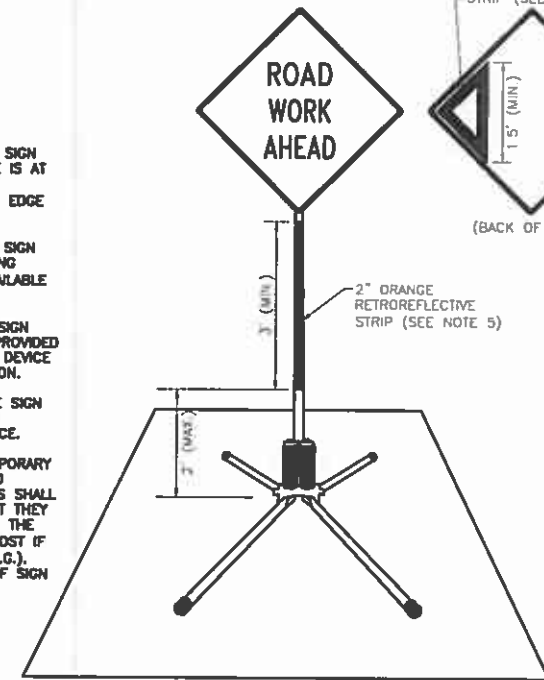
**NOTES**

1. IF USED, THE PORTABLE "BIKE LANE CLOSED AHEAD" SIGN MAY BE PLACED IN THE BIKE LANE, ASSUMING THERE IS AT LEAST FOUR (4) FEET OF BIKE LANE REMAINING, AS MEASURED FROM THE CENTERLINE OF STRIPE TO THE EDGE OF THE SIGN BASE.
2. IF USED, THE PORTABLE "BIKE LANE CLOSED AHEAD" SIGN MAY BE PLACED IN THE ADJACENT SIDEWALK, ASSUMING THERE IS AT LEAST FOUR (4) FEET OF SIDEWALK AVAILABLE FOR PEDESTRIAN TRAVEL.
3. IF USED, THE PORTABLE "BIKE LANE CLOSED AHEAD" SIGN MAY BE PLACED IN THE ADJACENT PLANTING STRIP, PROVIDED THE PLANTING STRIP IS IN ACHD RIGHT OF WAY AND DEVICE VISIBILITY IS NOT COMPROMISED BY NEARBY VEGETATION.
4. ADDITIONAL BALLAST SUPPORT MAY BE ADDED TO THE SIGN BASE, SUBJECT TO THE AFOREMENTIONED PROVISIONS RELATED TO AVAILABLE BICYCLE AND PEDESTRIAN SPACE.
5. RETROREFLECTIVE STRIPS SHALL BE REQUIRED IF TEMPORARY SIGNS ARE TO BE INSTALLED IN THE TRAVEL WAY AND TURNED AWAY FROM TRAFFIC OVERNIGHT. THE STRIPS SHALL BE PLACED ON THE SIGN POST AND BACK SUCH THAT THEY ARE VISIBLE TO ONGOING TRAFFIC IN THE DIRECTION THE SIGN IS TURNED (INSTALLED ON THE BACK OF THE POST IF THE SIGN IS TURNED 180 DEGREES FROM TRAFFIC, E.G.), THE COLOR OF THE STRIP RELATIVE TO THE CLASS OF SIGN SHALL BE AS FOLLOWS:

REGULATORY - RED OR WHITE  
 WARNING - YELLOW  
 CONSTRUCTION - ORANGE



(BACK OF SIGN)



**RETROREFLECTIVITY DETAIL**

NO.	DATE	BY	DESCRIPTION
1	12/2017	JCS	Added retroreflectivity detail
2			
3			
4			



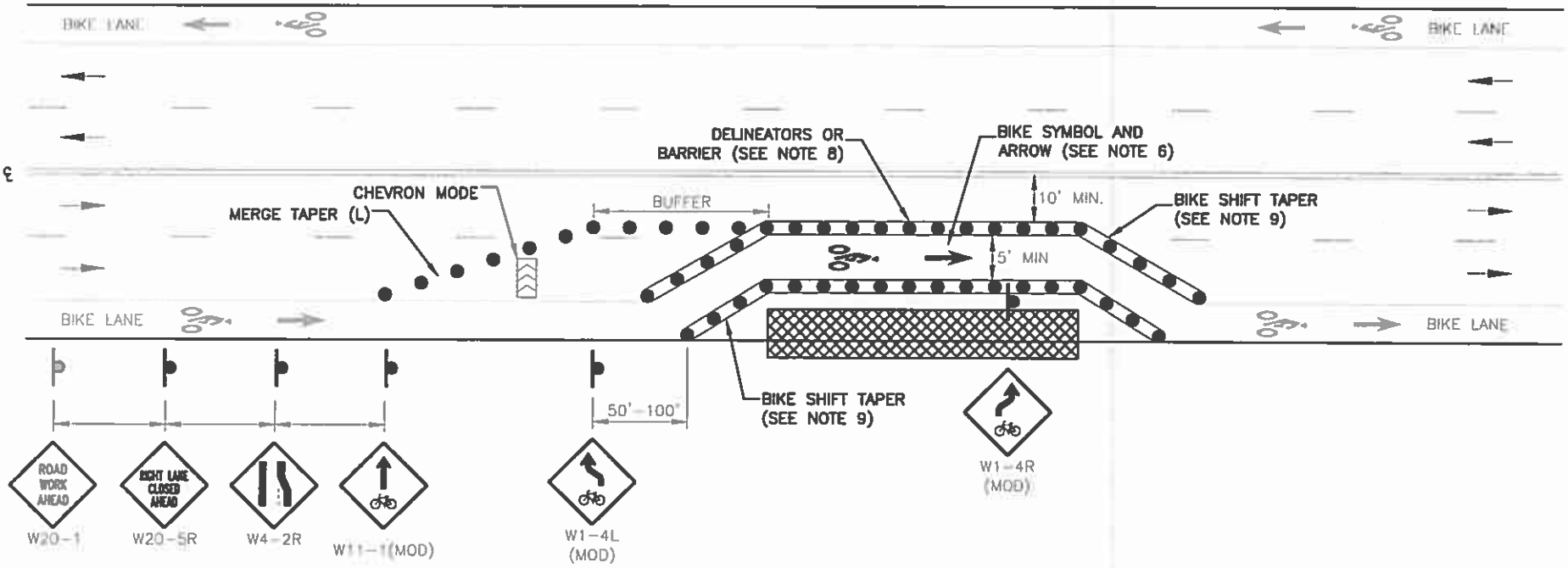
Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713

3776 Adams Street, Boise City, Idaho, 83714  
 www.achd.idaho.gov

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	07/23/2018	Joshua Seak	Design
2		Joshua Seak	Design
3		ACHD	Approved

TYPICAL TRAFFIC CONTROL PLAN  
 Bicycle Traffic Control  
 Short Duration Bike Lane Impedance

STANDARD DETAIL NO.  
**TC-150B**



**NOTES**

- SEE TC-01 FOR SIGN DESCRIPTION. ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED.
- SEE TC-02 FOR SIGN AND DELINEATOR SPACING, TAPER AND BUFFER LENGTHS. SIGN SPACING MAY BE INCREASED AND DELINEATOR SPACING MAY DECREASE FROM THE DISTANCES SHOWN IN THE TABLE BASED ON SITE SPECIFIC CONDITIONS (DRIVEWAYS, SIDE STREETS, ETC.).
- THIS PLAN DOES NOT APPLY TO SIGNALIZED OR MULTI-WAY STOP LOCATIONS.
- THE ARROW BOARD SHOULD BE LOCATED INSIDE THE MERGE TAPER BEHIND THE CHANNELIZING DEVICES AS CLOSE TO THE BEGINNING OF THE MERGE TAPER AS FEASIBLE WITHOUT OBSTRUCTING THE BICYCLE TRAVEL PATH.
- COMBINE THIS DRAWING DETAIL WITH OTHERS AS NEEDED TO COMPLETE TEMPORARY TRAFFIC CONTROL FOR EACH WORK ACTIVITY.
- BIKE LANE SYMBOLS AND ARROWS MAY BE CONSIDERED FOR TEMPORARY INSTALLATION AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER. TEMPORARY BIKE LANE SYMBOLS AND ARROWS SHALL BE OBLITERATED UPON COMPLETION OF THE WORK.
- SIGNS INSTALLED IN ADVANCE OF AND INCLUDING THE BIKE LANE SHIFT NOTIFICATION SHALL BE LOCATED OUTSIDE OF THE BICYCLE LANE OR BICYCLE TRAVEL PATH. THIS MAY NECESSITATE POST MOUNTED SIGN INSTALLATION. OTHER SIGNS MAY BE INSTALLED ON PORTABLE STANDS SUBJECT TO OTHER TTC REGULATIONS.
- DELINEATORS WITH A MAXIMUM SPACING OF 20 FEET SHALL BE USED FOR BOTH SIDES OF THE BIKE SHIFT TAPER AND TANGENT. PORTABLE TRAFFIC BARRIER INSTALLATION AND CRASHWORTHY END TREATMENTS MAY BE REQUIRED ON HIGHER SPEED FACILITIES (40 MPH OR GREATER) AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER.
- BIKE SHIFT TAPER SHALL BE BASED ON THE SHOULDER TAPER LENGTH "1/3 L" FOR THE GIVEN BIKE LANE OFFSET AND A 20 MPH BICYCLE SPEED (SEE TC-02 FOR FORMULA).

**LEGEND**

- DELINEATOR
- SIGN
- FLAGGER
- BARRICADE
- VARIABLE MESSAGE SIGN
- PORTABLE TRAFFIC BARRIER
- ARROW BOARD
- WORK AREA
- TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	MERGE TAPER LENGTH (L)	BIKE SHIFT TAPER LENGTH (1/3 L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
			/		

Ada County Highway District (ACHD)
   
 5800 N Meeker Ave Boise, ID 83713
   
 2775 Adams Blvd, Jordan Gap, Idaho, 83714
   
 www.achd.idaho.gov

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

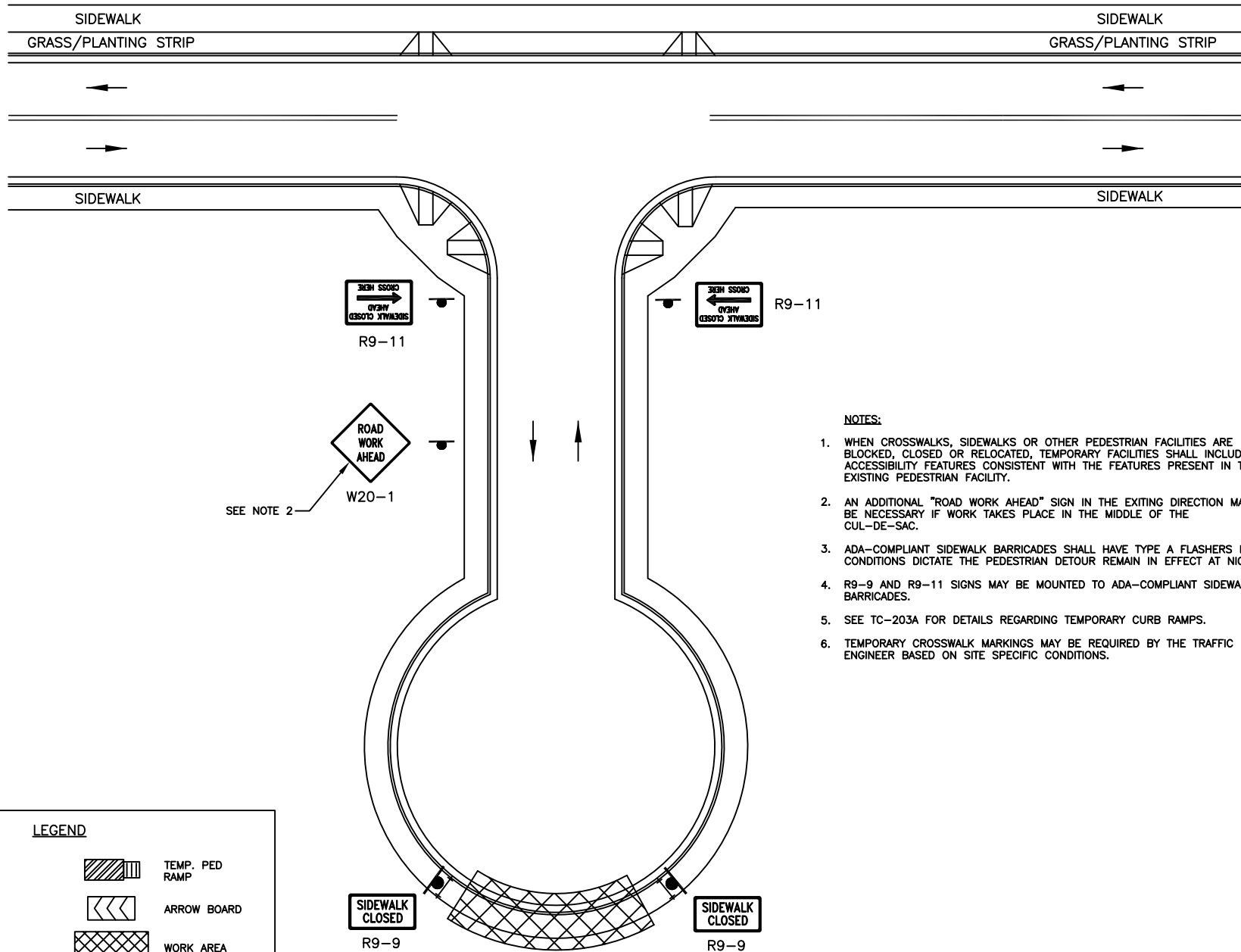
**DESIGNED BY** MTS  
**DATE** 01/23/2017  
**FILE** TC-153.DWG

**DRAWN BY** S.E. M.E. Engineering  
**DESIGN BY** S.E. M.E. Engineering  
**APPROVED BY** ACHD

**TYPICAL TRAFFIC CONTROL PLAN**

Bicycle Traffic Control  
 Bike Lane Shift with Right Lane Closure

**ORIGINATOR DETAIL NO.**  
**TC-153**



- NOTES:**
1. WHEN CROSSWALKS, SIDEWALKS OR OTHER PEDESTRIAN FACILITIES ARE BLOCKED, CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
  2. AN ADDITIONAL "ROAD WORK AHEAD" SIGN IN THE EXITING DIRECTION MAY BE NECESSARY IF WORK TAKES PLACE IN THE MIDDLE OF THE CUL-DE-SAC.
  3. ADA-COMPLIANT SIDEWALK BARRICADES SHALL HAVE TYPE A FLASHERS IF CONDITIONS DICTATE THE PEDESTRIAN DETOUR REMAIN IN EFFECT AT NIGHT.
  4. R9-9 AND R9-11 SIGNS MAY BE MOUNTED TO ADA-COMPLIANT SIDEWALK BARRICADES.
  5. SEE TC-203A FOR DETAILS REGARDING TEMPORARY CURB RAMPS.
  6. TEMPORARY CROSSWALK MARKINGS MAY BE REQUIRED BY THE TRAFFIC ENGINEER BASED ON SITE SPECIFIC CONDITIONS.

**LEGEND**

●	DELINEATOR		TEMP. PED RAMP
●	SIGN		ARROW BOARD
●	FLAGGER		WORK AREA
+	BARRICADE		TRAFFIC DIRECTION
—	VARIABLE MESSAGE SIGN		

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**ACHD**  
 Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713  
 www.achdidaho.org

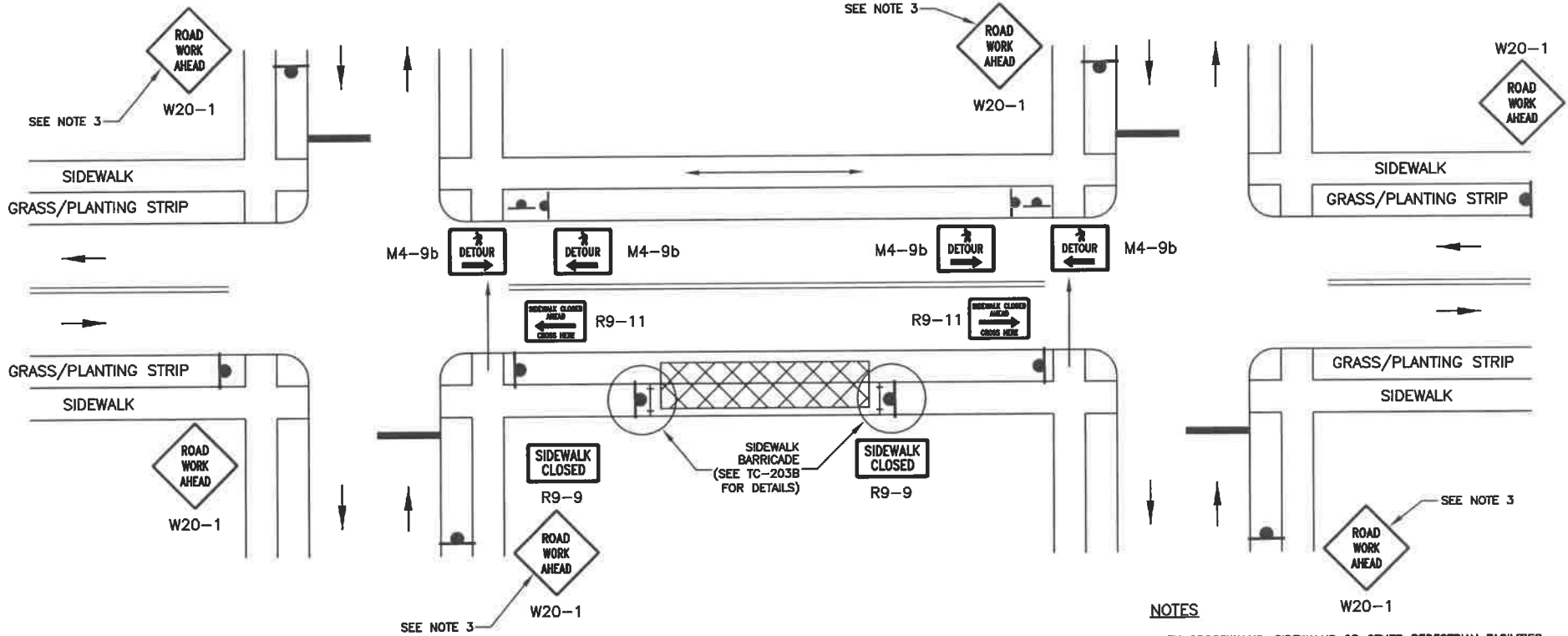
**SIGNATURES**

Scale: NTS	Drawn By: Joshua Saak
Date: 2/1/2021	Design By: Joshua Saak
File: TC-205.DWG	Approved By: Rose Cyen

**TYPICAL TRAFFIC CONTROL PLAN**

Pedestrian Traffic Control – Cul-de-Sac

**STANDARD DETAIL NO.**  
TC-205



**NOTES**

1. WHEN CROSSWALKS, SIDEWALKS OR OTHER PEDESTRIAN FACILITIES ARE BLOCKED, CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. TRAFFIC CONTROL DEVICES FOR PEDESTRIAN FLOW ONLY ARE SHOWN. OTHER DEVICES MAY BE NEEDED TO CONTROL VEHICULAR TRAFFIC.
3. "ROAD WORK AHEAD" SIGNS ON SIDE STREETS MAY NOT BE NECESSARY IF SIGNS ON THE MAIN STREET PROVIDE ADEQUATE ADVANCE NOTIFICATION OF THE WORK ZONE. SUPPLEMENTAL STREET NAME PLAQUES MAY BE REQUIRED IF THE SIGNS ARE STAND OR POST MOUNTED.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED, IF APPLICABLE.
5. ADA-COMPLIANT SIDEWALK BARRICADES SHALL HAVE TYPE A FLASHERS IF CONDITIONS DICTATE THE PEDESTRIAN DETOUR REMAIN IN EFFECT AT NIGHT.
6. R9-9, R9-11a, AND M4-9b SIGNS MAY BE MOUNTED TO ADA-COMPLIANT SIDEWALK BARRICADES.

LEGEND	
	DELINEATOR
	SIGN
	FLAGGER
	BARRICADE
	VARIABLE MESSAGE SIGN
	ARROW BOARD
	WORK AREA
	TRAFFIC DIRECTION

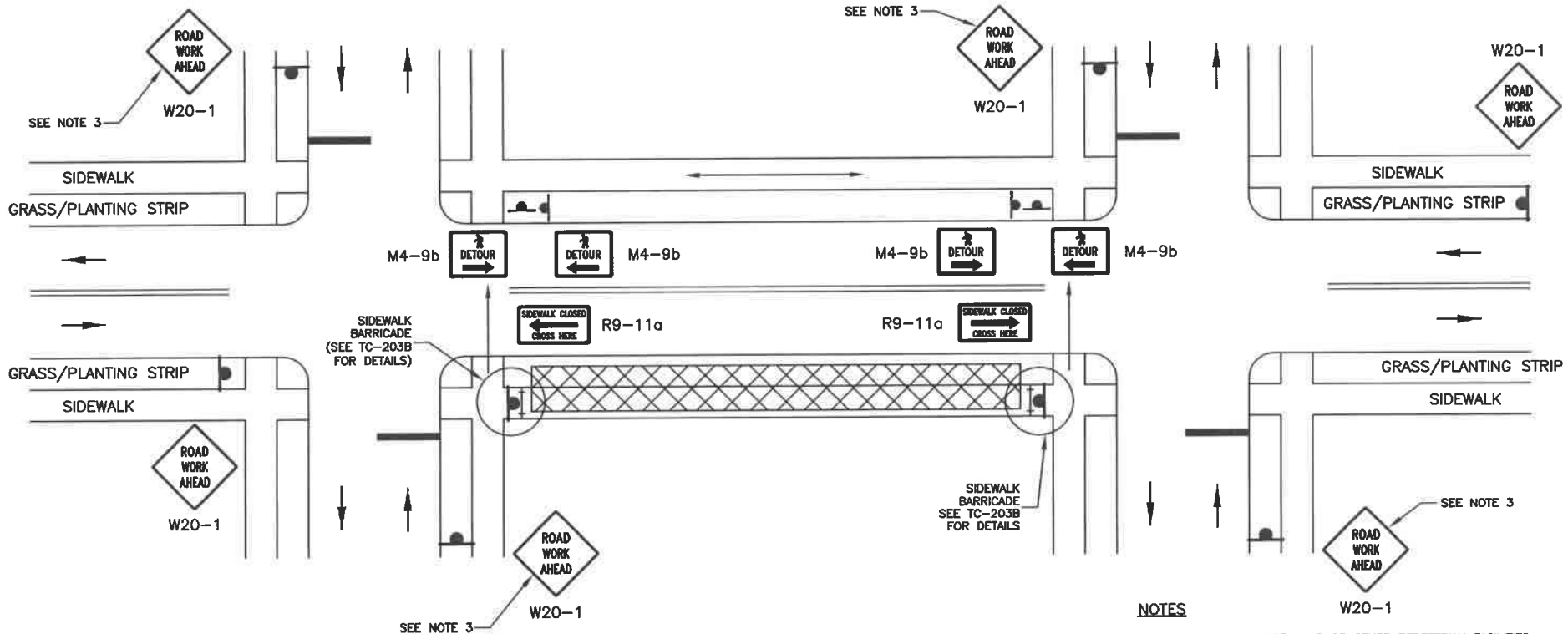
POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

- REVISIONS -			
NO.	DATE	BY	DESCRIPTION
1	12/2018	JES	Minor modifications
2	8/2020	JES	Added add'l detour sign details

Ada County Highway District (ACHD)  
5800 N Meeker Ave Boise, ID 83713  
3779 Adams Street, Garden City, Idaho, 83714  
www.achd.idaho.gov

- SIGNATURES -	
Scale: NTS	Drawn By: Joshua Soak
Date: 2/28/2012	Design By: Joshua Soak
File: TC-200.DWG	Approved By: Ross Oyen

- TYPICAL TRAFFIC CONTROL PLAN -		STANDARD DETAIL NO.
Pedestrian Traffic Control - Sidewalk Detour		TC-200A



**NOTES**

1. WHEN CROSSWALKS, SIDEWALKS OR OTHER PEDESTRIAN FACILITIES ARE BLOCKED, CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. TRAFFIC CONTROL DEVICES FOR PEDESTRIAN FLOW ONLY ARE SHOWN. OTHER DEVICES MAY BE NEEDED TO CONTROL VEHICULAR TRAFFIC.
3. "ROAD WORK AHEAD" SIGNS ON SIDE STREETS MAY NOT BE NECESSARY IF SIGNS ON THE MAIN STREET PROVIDE ADEQUATE ADVANCE NOTIFICATION OF THE WORK ZONE. SUPPLEMENTAL STREET NAME PLAQUES MAY BE REQUIRED IF THE SIGNS ARE STAND OR POST MOUNTED.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED, IF APPLICABLE.
5. ADA-COMPLIANT SIDEWALK BARRICADES SHALL HAVE TYPE A FLASHERS IF CONDITIONS DICTATE THE PEDESTRIAN DETOUR REMAIN IN EFFECT AT NIGHT.
6. R9-9, R9-11a, AND M4-9b SIGNS MAY BE MOUNTED TO ADA-COMPLIANT SIDEWALK BARRICADES.

**LEGEND**

	DELINEATOR		ARROW BOARD
	SIGN		WORK AREA
	FLAGGER		TRAFFIC DIRECTION
	BARRICADE		VARIABLE MESSAGE SIGN

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION
2	2/2019	JES	Minor modifications
3	8/2020	JES	Added odd'l detour sign details

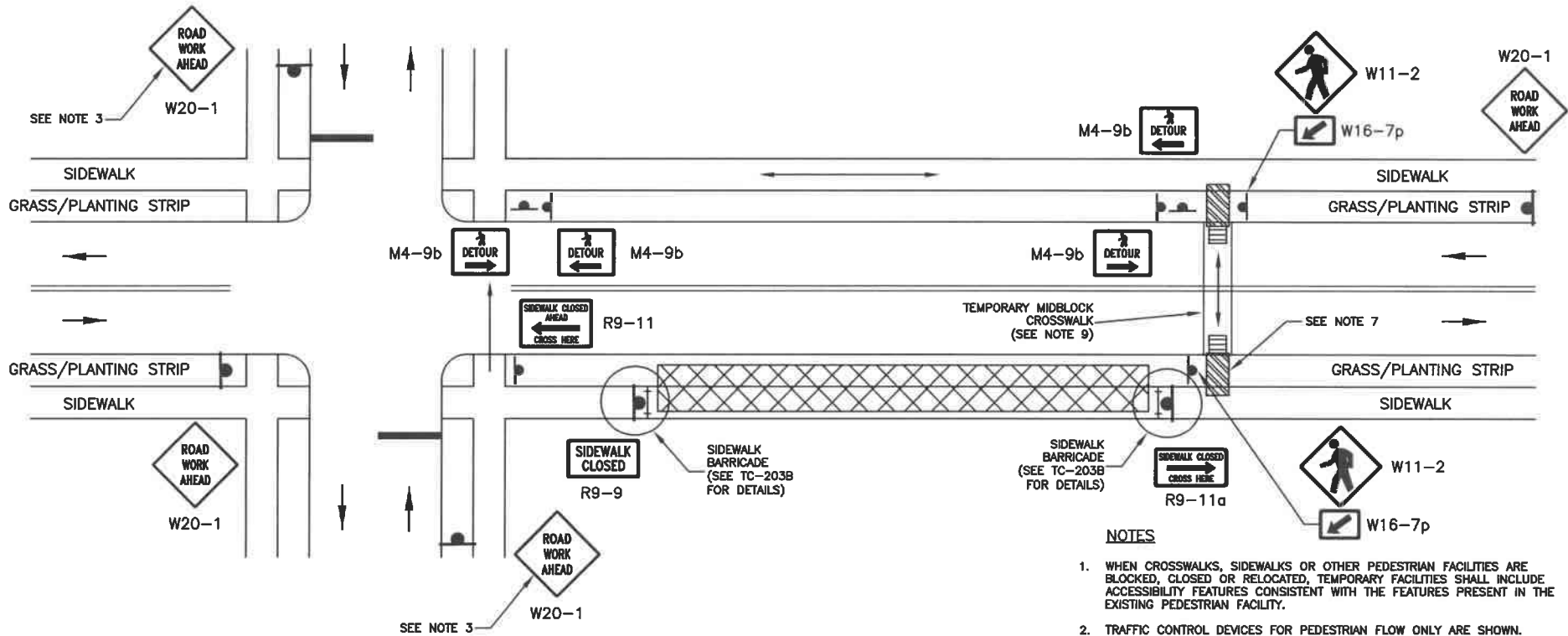
**ACHD**  
 Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713  
 3775 Adams Street, Garden City, Idaho, 83714  
 www.achd.idaho.org

**SIGNATURES**

Scale: NTS	Drawn By: Joshua Stok
Date: 8/4/2020	Design By: Joshua Stok
File: TC-2008.DWG	Approved By: Rose Oyen

**TYPICAL TRAFFIC CONTROL PLAN**  
 Pedestrian Traffic Control -- Sidewalk Detour

**STANDARD DETAIL NO.**  
 TC-200B



**NOTES**

1. WHEN CROSSWALKS, SIDEWALKS OR OTHER PEDESTRIAN FACILITIES ARE BLOCKED, CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. TRAFFIC CONTROL DEVICES FOR PEDESTRIAN FLOW ONLY ARE SHOWN. OTHER DEVICES MAY BE NEEDED TO CONTROL VEHICULAR TRAFFIC.
3. "ROAD WORK AHEAD" SIGNS ON SIDE STREETS MAY NOT BE NECESSARY IF SIGNS ON THE MAIN STREET PROVIDE ADEQUATE ADVANCE NOTIFICATION OF THE WORK ZONE. SUPPLEMENTAL STREET NAME PLAQUES MAY BE REQUIRED IF THE SIGNS ARE STAND OR POST MOUNTED.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED, IF APPLICABLE.
5. ADA-COMPLIANT SIDEWALK BARRICADES SHALL HAVE TYPE A FLASHERS IF CONDITIONS DICTATE THE PEDESTRIAN DETOUR REMAIN IN EFFECT AT NIGHT.
6. R9-9, R9-11a, AND M4-9b SIGNS MAY BE MOUNTED TO ADA-COMPLIANT SIDEWALK BARRICADES.
7. SEE TC-203A FOR DETAILS REGARDING TEMPORARY CURB RAMPS.
8. ADVANCE PEDESTRIAN SIGNAGE MAY BE NECESSARY IF APPROPRIATE SIGHT DISTANCE IS NOT ADEQUATE FOR SITE SPECIFIC CONDITIONS.
9. TEMPORARY CROSSWALK MARKINGS MAY BE REQUIRED BY THE TRAFFIC ENGINEER BASED ON SITE SPECIFIC CONDITIONS.

**LEGEND**

- DELINEATOR
- ▲ SIGN
- FLAGGER
- + + BARRICADE
- |— VARIABLE MESSAGE SIGN
- ▨ TEMP. PED RAMP
- ◀◀◀ ARROW BOARD
- ▩ WORK AREA
- → TRAFFIC DIRECTION

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (L)	DELINEATOR SPACING (TAPER/TAN.)	SIGN SPACING	BUFFER LENGTH
		/		

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**ACHD**  
 Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713  
 www.achd.idaho.gov

**SIGNATURES**

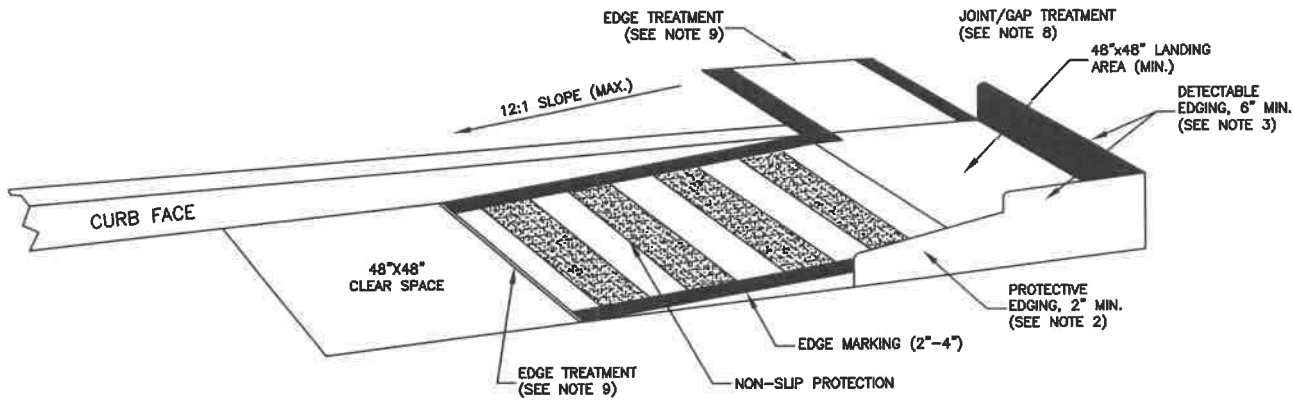
Scale: NTS  
 Date: 8/28/2020  
 File: TC-200C.DWG

Drawn By: Joshua Steak  
 Design By: Joshua Steak  
 Approved By: Ross Oyer

**TYPICAL TRAFFIC CONTROL PLAN**  
 Pedestrian Traffic Control - Sidewalk Detour w/Midblock Crossing

**STANDARD DETAIL NO.**  
 TC-200C

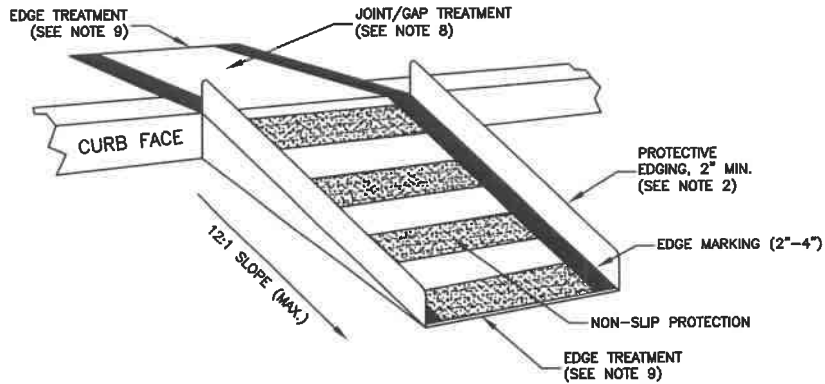
Ada County Highway District  
 3776 Adams Street, Suite 100, Boise, ID 83714



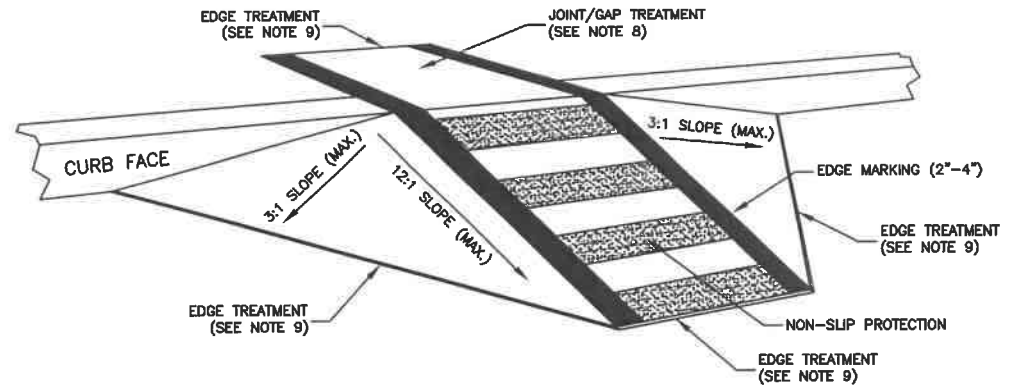
**TEMPORARY CURB RAMP - PARALLEL TO CURB**

**NOTES**

1. RAMPS SHALL BE 48" MIN. WIDTH WITH A STABLE, NON-SLIP SURFACE.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN THE RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER.
3. DETECTABLE EDGING WITH A 8" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION.
4. RAMPS AND LANDINGS SHOULD HAVE A 2% MAX. CROSS SLOPE.
5. CLEAR SPACE OF 48"x48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE RAMP.
6. THE RAMP WALKWAY EDGE SHALL BE MARKED WITH A CONTRASTING COLOR 2"-4" WIDE.
7. WATER FLOW IN THE GUTTER (WHERE APPLICABLE) SHALL BE MINIMALLY RESTRICTED.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 0.5" WIDE.
9. CHANGES BETWEEN SURFACE HEIGHTS SHOULD NOT EXCEED 0.5". LATERAL EDGES SHOULD BE VERTICAL UP TO 0.25" HIGH AND BEVELED AT 1:2 BETWEEN 0.25" AND 0.5" HIGH.



**TEMPORARY CURB RAMP - PERPENDICULAR TO CURB  
(WITH PROTECTIVE EDGE)**



**TEMPORARY CURB RAMP - PERPENDICULAR TO CURB  
(WITH SIDE APRON)**

- REVISIONS -			
NO.	DATE	BY	DESCRIPTION

**ACHD**  
 Ada County Highway District (ACHD)  
 5800 N Meeker Ave Boise, ID 83713  
 3776 Adams Street, Garden City, Idaho, 83714  
 www.achd.idaho.org

- SIGNATURES -	
Scale: NTS	Drawn By: Joshua Stank
Date: 3/28/2012	Design By: Joshua Stank
File: TC-203A.DWG	Approved By: Rose Ryan

- TYPICAL TRAFFIC CONTROL PLAN -	
Pedestrian Traffic Control -- Temporary Ramp Details	

- STANDARD DETAIL NO. -
TC-203A

