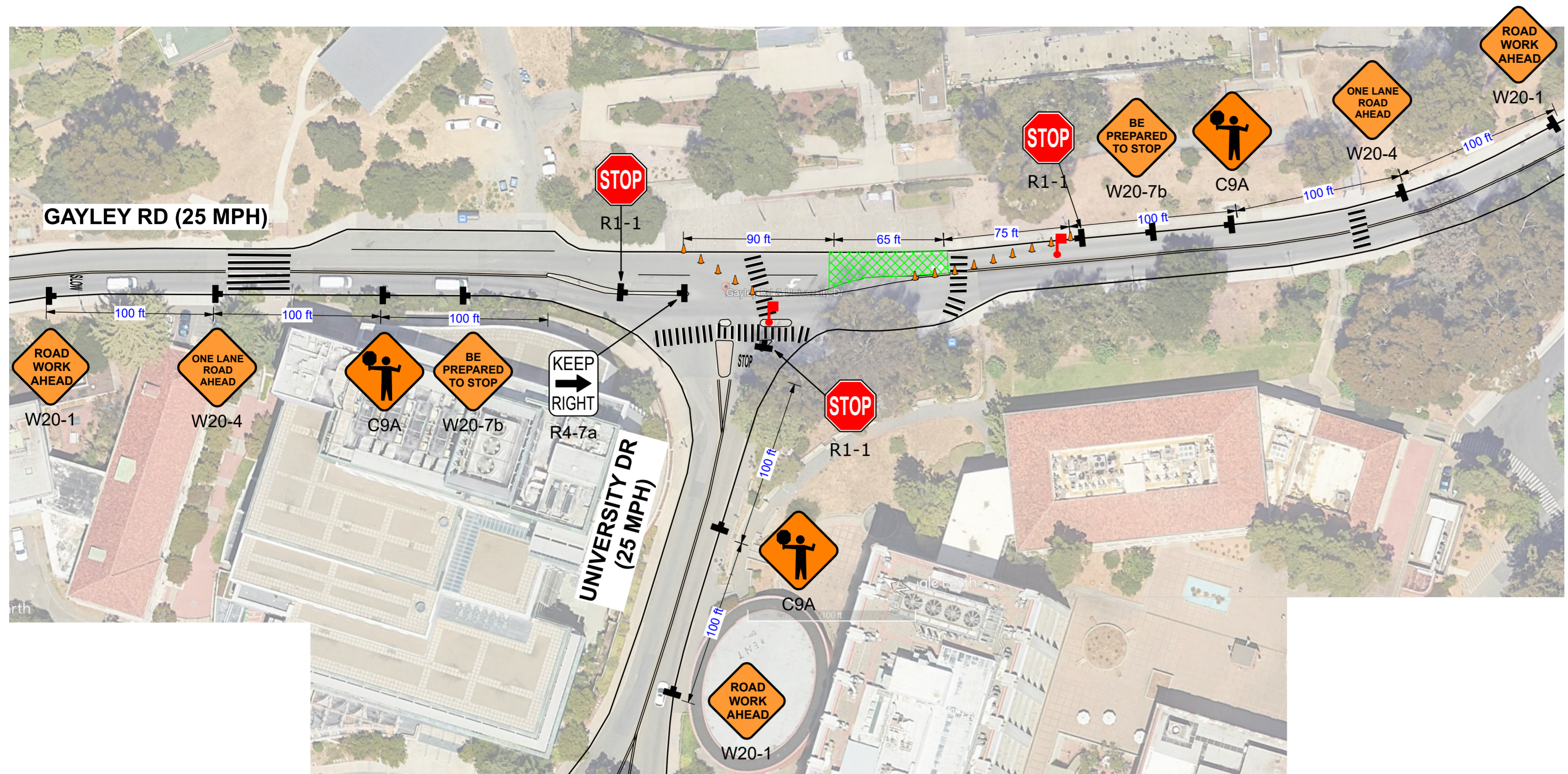


# Phase 1



**Table A-1**

Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Upstream Tapers	L MINIMUM
Merging Taper	1/2 L Minimum
Shifting Taper	1/3 L Minimum
Shoulder Taper	100 feet Maximum
Two-Way Traffic Taper	100 feet Maximum
Downstream Tapers	100 feet Minimum
(Use is optional)	

Formula for Taper Length 'L'

$$L = \frac{WS^2}{60} \quad (40 \text{ mph or less}) \quad L = WS \quad (45 \text{ mph or greater})$$

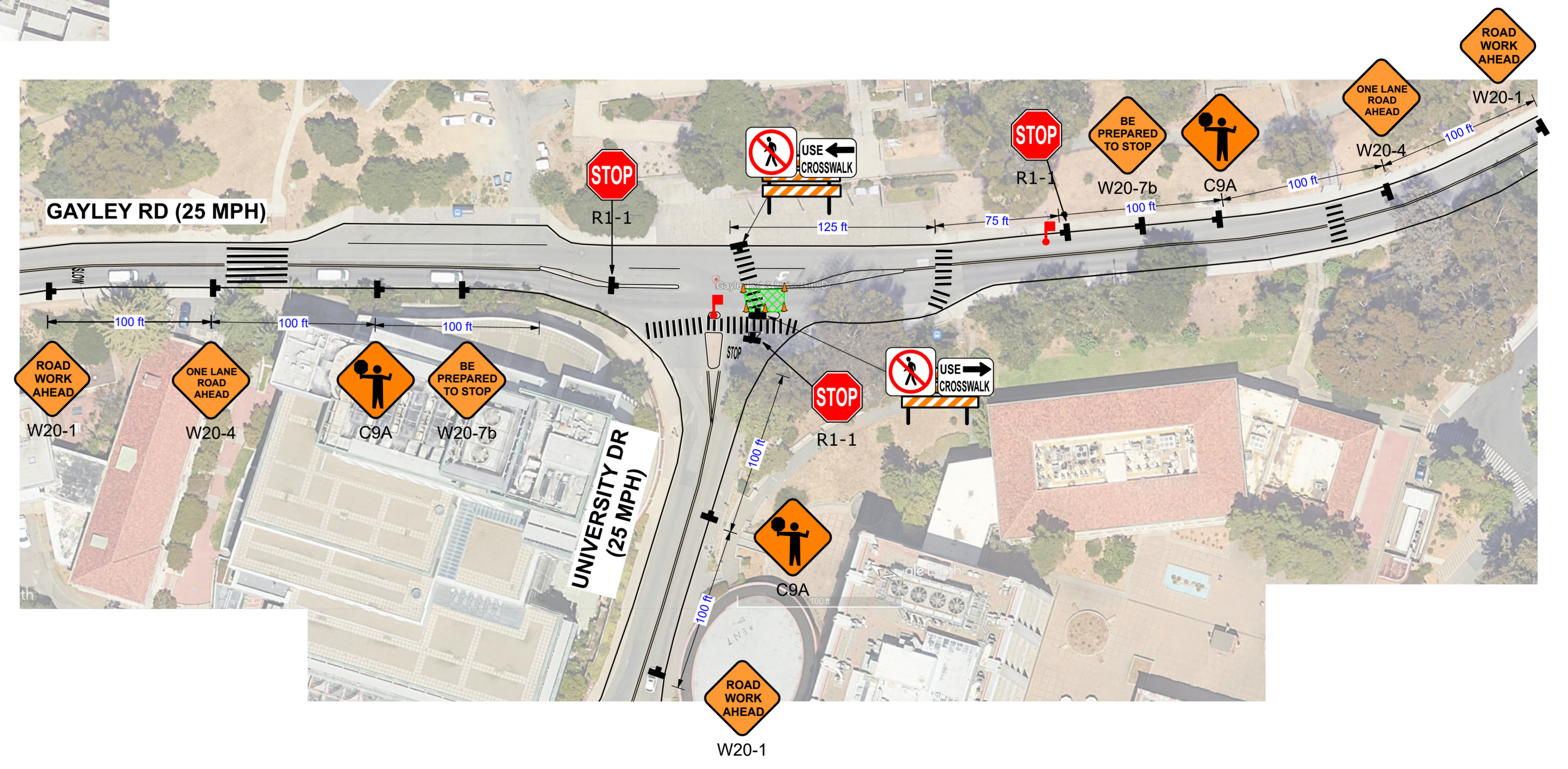
L = Taper Length in feet  
W = Width of Offset in feet  
S = Speed in mph

**Table A-3**  
Taper Length and Buffer Space  
Use in Typical Applications Diagrams

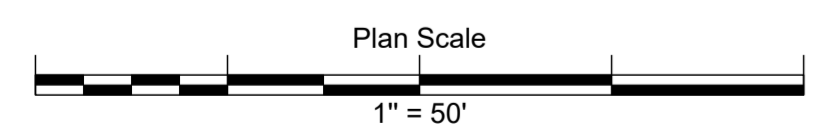
Speed in Miles per Hour*	Length of Taper 'L' in Feet		Speed in Miles per Hour*	Longitudinal Buffer Space in Feet	
	11 Feet	12 Feet		Length of Buffer Space in Feet	
20	73	80	20	35	
25	115	125	25	55	
30	165	180	30	85	
35	225	245	35	120	
40	293	320	40	170	
45	495	540	45	220	
50	550	600	50	280	
55	605	660	55	335	
60	660	720	60	415	
65	715	780	65	485	
70	770	840	70	585	

**Table A-2**  
Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs in Feet		
	A	B	C
Urban - 25 mph or less	100	100	100
Urban - more than 25 mph to 40mph	250	250	250
Urban - more than 40mph	350	350	350
Rural	500	500	500
Expressway / Freeway	1000	1500	2640



\* Posted speed, off-peak 85th percentile speed prior to starting, or the anticipated operation speed.  
\*\* For other offset widths, apply the formula in table A-1.



COMPASS	LEGEND	STAMP
	Flashing Arrow Board	<p><b>TRAFFIC CONTROL PLAN</b></p> <p>UCB HEATHCOCK HALL POTHOLING WORK GAYLEY RD AT UNIVERSITY DR</p>
	Flashing Arrow Board (Plan View)	
	28" Traffic Cones	
	Temporary Delineator	
	Type 1 Barricades	
	Type 3 Barricades	
	NTS Not to Scale	
	TA/NS Tow-Away / No Stopping	
	Flagger	
	Work Area	
Sign and Stand		
Water Filled Barrier		
ADA Pedestrian Barrier		
MUNI WIRES		
TEMP STRIPING		

GENERAL NOTES:

- CONTRACTOR TO VERIFY EXISTING STRIPING IS ACCURATE PRIOR TO START OF WORK.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF CA MUTCD.
- THE CONTRACTOR SHALL NOT PREVENT OR DELAY THE OPERATION OF MASS TRANSIT VEHICLES AT ANY TIME.
- THE CONTRACTOR SHALL PERFORM THE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF BICYCLISTS ON ALL STREETS ON WHICH THERE IS CONSTRUCTION.

**DR TRAFFIC CONTROL, LLC**

LICENSE NO 1099211  
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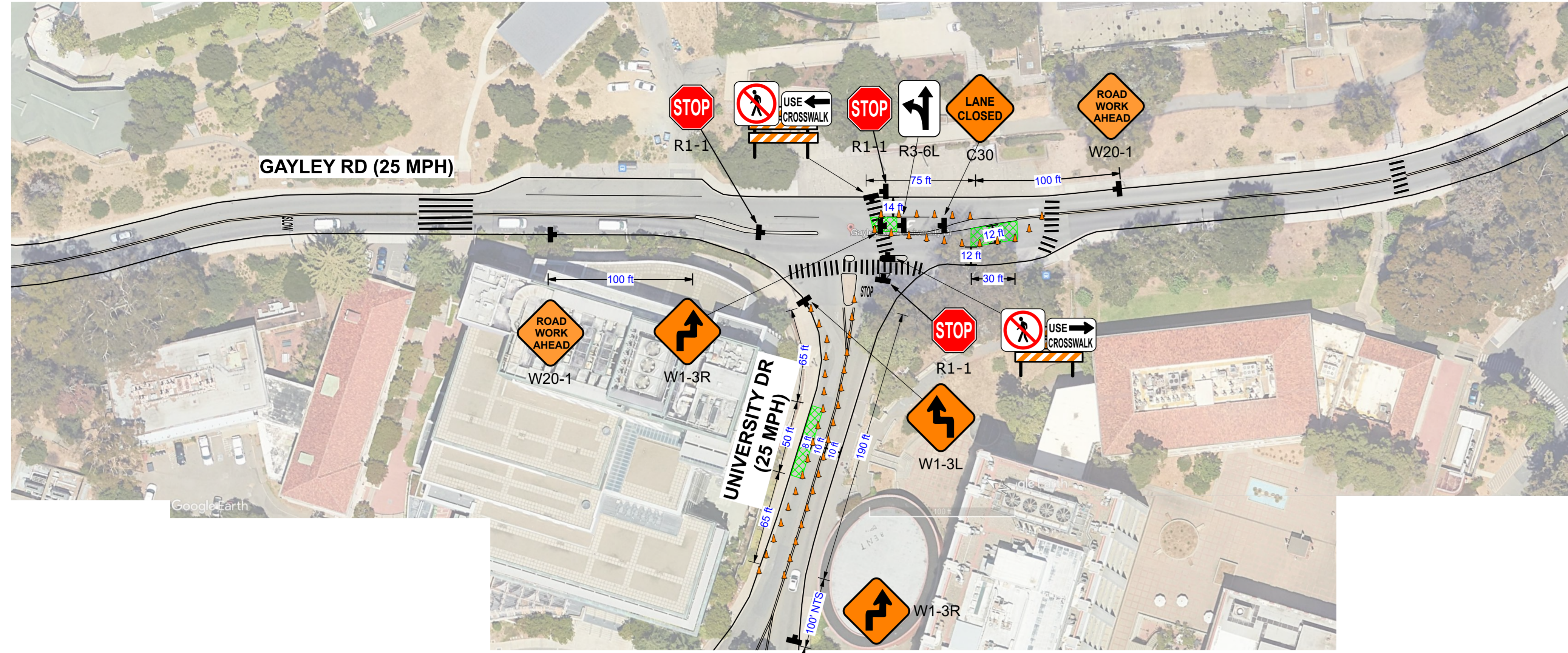
1395 FAIRFAX AVE, UNIT A  
SAN FRANCISCO, CA 94124  
WWW.DRTRAFFICCONTROL.COM



Date	06/25/2024
Author	DEREK DOAN
Client	A & B
Location	BERKELEY
DR Job #	0728
TCP #	001
Revision	000



# Phase 2



**Table A-1**  
Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Upstream Tapers	L MINIMUM
Merging Taper	1/2 L Minimum
Shifting Taper	1/3 L Minimum
Shoulder Taper	100 feet Maximum
Two-Way Traffic Taper	100 feet Maximum
Downstream Tapers (Use is optional)	100 feet Minimum

**Formula for Taper Length 'L'**

$L = \frac{WS^2}{60}$ (40 mph or less)	$L = WS$ (45 mph or greater)
--	------------------------------

L = Taper Length in feet  
W = Width of Offset in feet  
S = Speed in mph

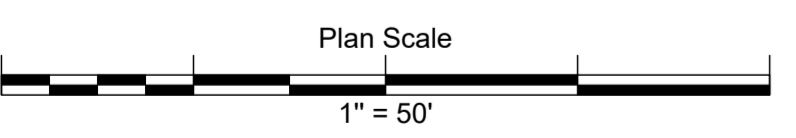
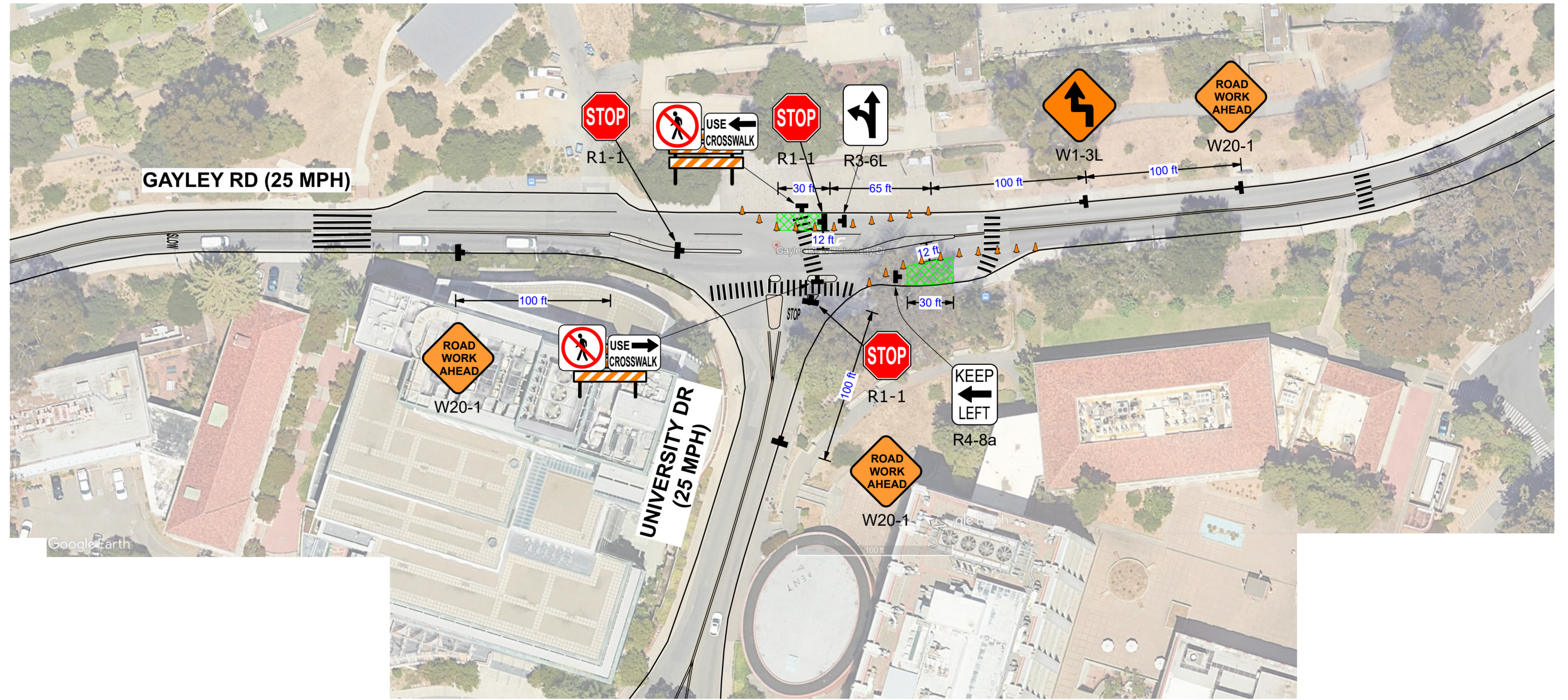
**Table A-3**  
Taper Length and Buffer Space  
Use in Typical Applications Diagrams

Speed in Miles per Hour*	Length of Taper 'L' in Feet		Speed in Miles per Hour*	Length of Buffer Space in Feet
	11 Feet	12 Feet		
20	73	80	20	35
25	115	125	25	55
30	165	180	30	85
35	225	245	35	120
40	293	320	40	170
45	495	540	45	220
50	550	600	50	280
55	605	660	55	335
60	660	720	60	415
65	715	780	65	485
70	770	840	70	585

\* Posted speed, off-peak 85th percentile speed prior to starting, or the anticipated operation speed.  
\*\* For other offset widths, apply the formula in table A-1.

**Table A-2**  
Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs in Feet		
	A	B	C
Urban - 25 mph or less	100	100	100
Urban - more than 25 mph to 40mph	250	250	250
Urban - more than 40mph	350	350	350
Rural	500	500	500
Expressway / Freeway	1000	1500	2640



COMPASS	LEGEND	STAMP
	Flashing Arrow Board	Work Area Sign and Stand Water Filled Barrier ADA Pedestrian Barrier MUNI WIRES TEMP STRIPING
	Flashing Arrow Board (Plan View)	
	28" Traffic Cones	
	Temporary Delineator	
	Type 1 Barricades	
	Type 3 Barricades	
	NTS Not to Scale	
	TA/NS Tow-Away / No Stopping	
	Flagger	

**TRAFFIC CONTROL PLAN**

UCB HEATHCOCK HALL  
POTHOLING WORK  
GAYLEY RD AT UNIVERSITY DR

GENERAL NOTES:

- CONTRACTOR TO VERIFY EXISTING STRIPING IS ACCURATE PRIOR TO START OF WORK.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF CA MUTCD.
- THE CONTRACTOR SHALL NOT PREVENT OR DELAY THE OPERATION OF MASS TRANSIT VEHICLES AT ANY TIME.
- THE CONTRACTOR SHALL PERFORM THE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF BICYCLISTS ON ALL STREETS ON WHICH THERE IS CONSTRUCTION.

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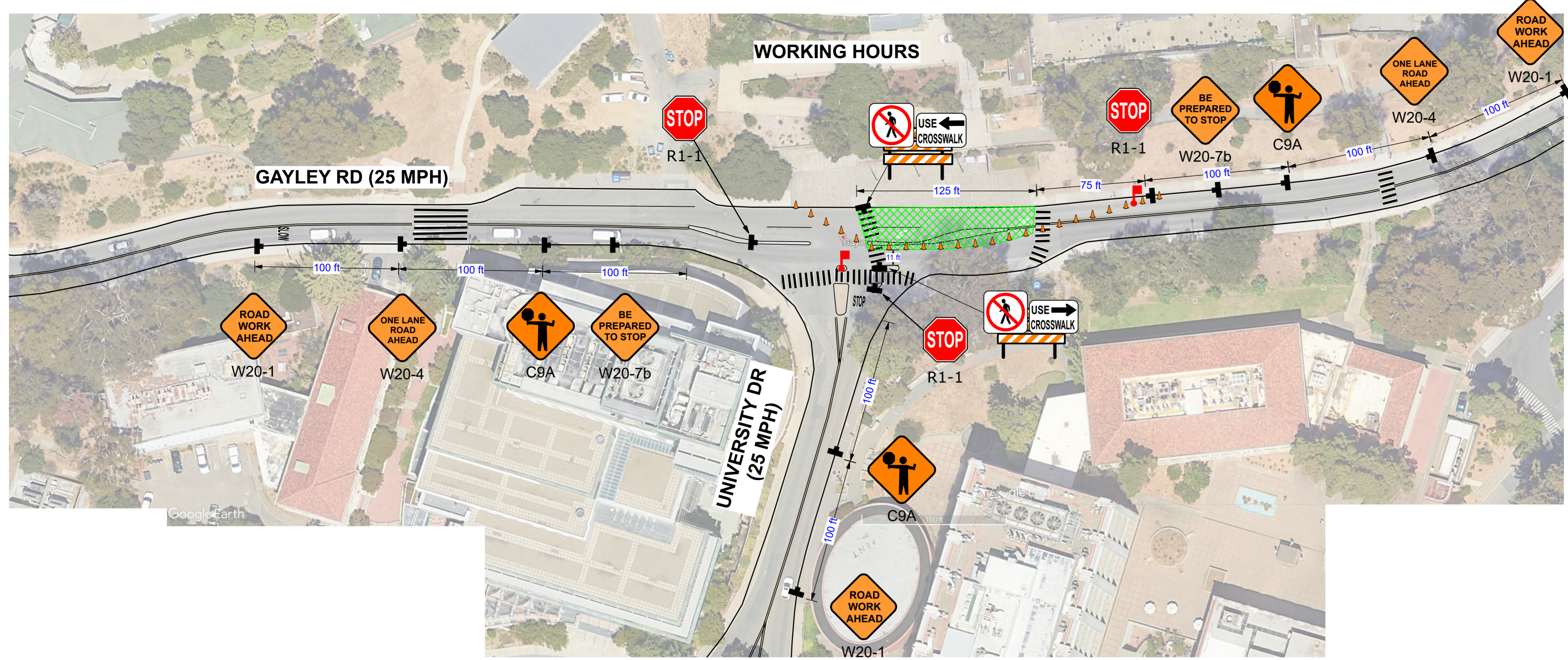
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Date	06/25/2024
Author	DEREK DOAN
Client	A & B
Location	BERKELEY
DR Job #	0728
TCP #	002
Revision	000



# Phase 3



**Table A-1**  
Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Upstream Tapers	L MINIMUM
Merging Taper	1/2 L Minimum
Shifting Taper	1/3 L Minimum
Shoulder Taper	100 feet Maximum
Two-Way Traffic Taper	100 feet Minimum
Downstream Tapers (Use is optional)	100 feet Minimum

**Formula for Taper Length 'L'**

$L = \frac{WS^2}{60}$ (40 mph or less)	$L = WS$ (45 mph or greater)
--	------------------------------

L = Taper Length in feet  
W = Width of Offset in feet  
S = Speed in mph

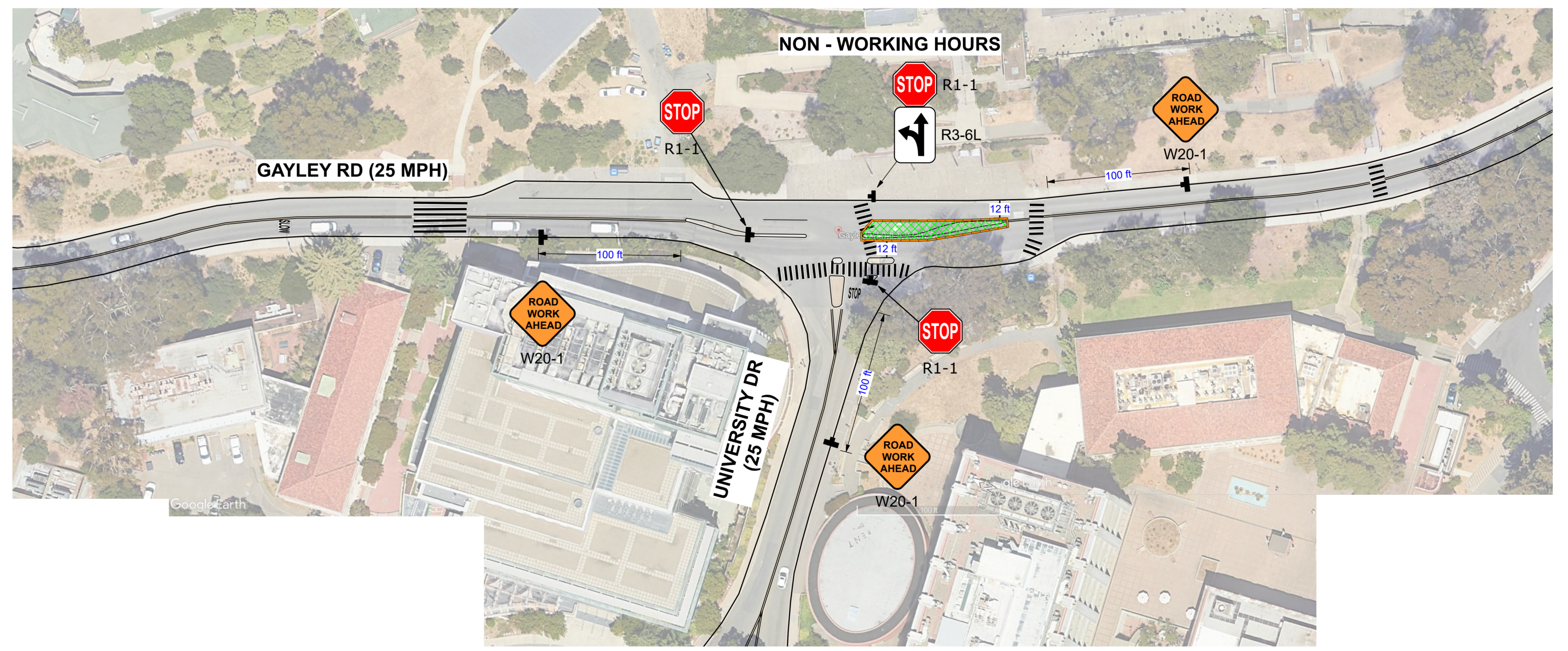
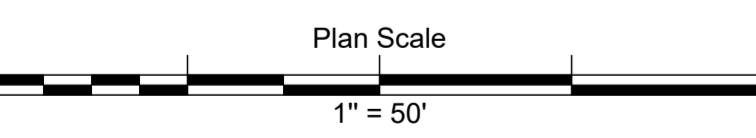
**Table A-3**  
Taper Length and Buffer Space  
Use in Typical Applications Diagrams

Speed in Miles per Hour*	Length of Taper 'L' in Feet		Speed in Miles per Hour*	Length of Buffer Space in Feet
	11 Feet	12 Feet		
20	73	80	20	35
25	115	125	25	55
30	165	180	30	85
35	225	245	35	120
40	293	320	40	170
45	495	540	45	220
50	550	600	50	280
55	605	660	55	335
60	660	720	60	415
65	715	780	65	485
70	770	840	70	585

**Table A-2**  
Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs in Feet		
	A	B	C
Urban - 25 mph or less	100	100	100
Urban - more than 25 mph to 40mph	250	250	250
Urban - more than 40mph	350	350	350
Rural	500	500	500
Expressway / Freeway	1000	1500	2640

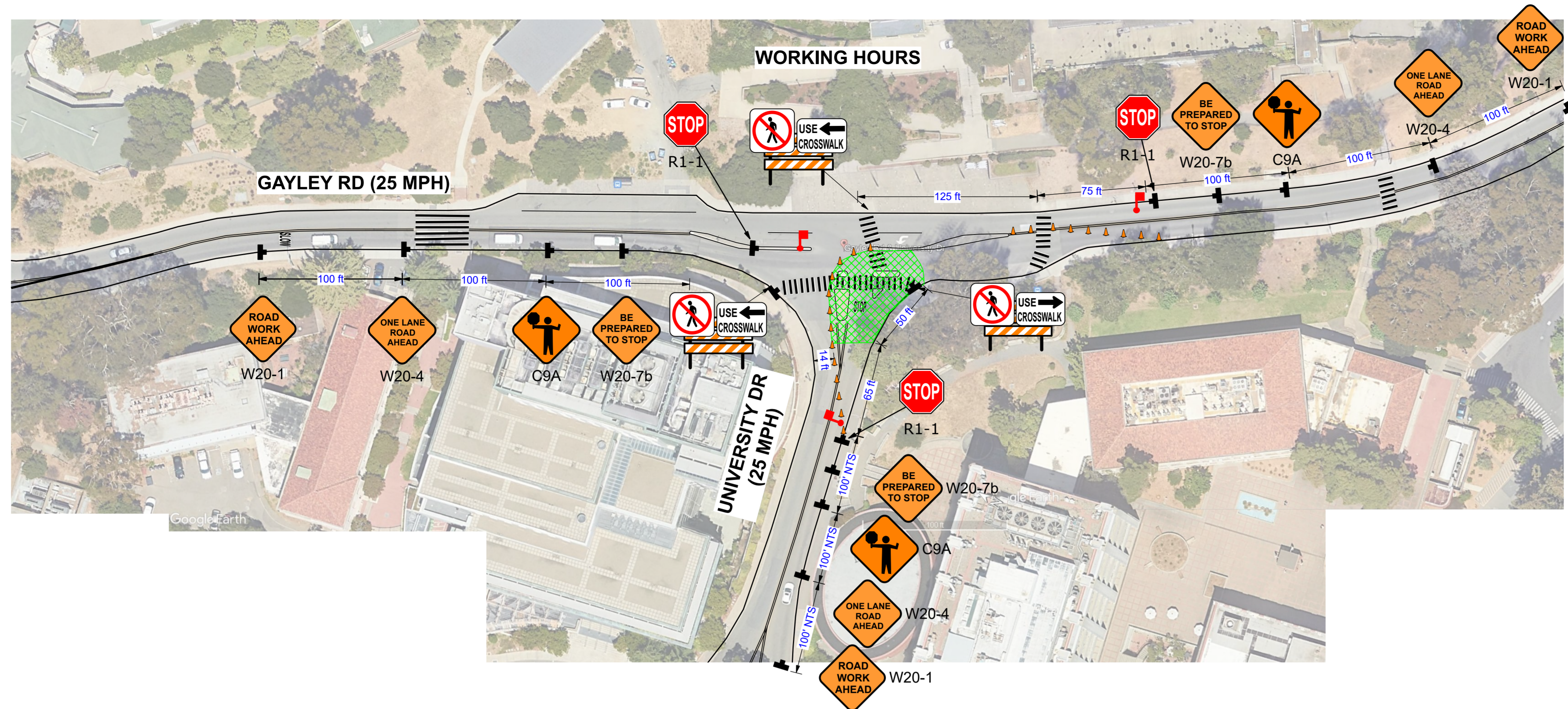
\* Posted speed, off-peak 85th percentile speed prior to starting, or the anticipated operation speed.  
\*\* For other offset widths, apply the formula in table A-1.



<b>COMPASS</b>	<b>LEGEND</b>	<b>STAMP</b>	<b>GENERAL NOTES:</b>	<b>DR TRAFFIC CONTROL, LLC</b>	<b>Date</b>
	Flashing Arrow Board Flashing Arrow Board (Plan View) 28" Traffic Cones Temporary Delineator Type 1 Barricades Type 3 Barricades NTS Not to Scale T/ANS Tow-Away / No Stopping Flagger	Work Area Sign and Stand Water Filled Barrier ADA Pedestrian Barrier MUNI WIRES TEMP STRIPING	<b>TRAFFIC CONTROL PLAN</b>  UCB HEATHCOCK HALL CENTER MEDIAN WORK GAYLEY RD AT UNIVERSITY DR	LICENSE NO 1099211 CLASS C31  INFO@DRTRAFFICCONTROL.COM  1395 FAIRFAX AVE, UNIT A SAN FRANCISCO, CA 94124 WWW.DRTRAFFICCONTROL.COM	<b>Date</b> 06/25/2024 <b>Author</b> DEREK DOAN <b>Client</b> A & B <b>Location</b> BERKELEY <b>DR Job #</b> 0728 <b>TCP #</b> 003 <b>Revision</b> 000



# Phase 4



**Table A-1**  
Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Upstream Tapers	L MINIMUM
Merging Taper	1/2 L Minimum
Shifting Taper	1/3 L Minimum
Shoulder Taper	100 feet Maximum
Two-Way Traffic Taper	100 feet Maximum
Downstream Tapers (Use is optional)	100 feet Minimum

**Formula for Taper Length 'L'**

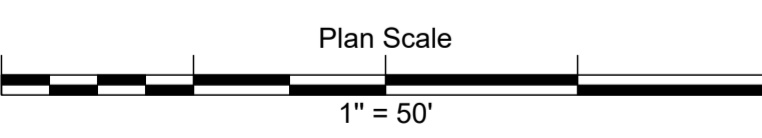
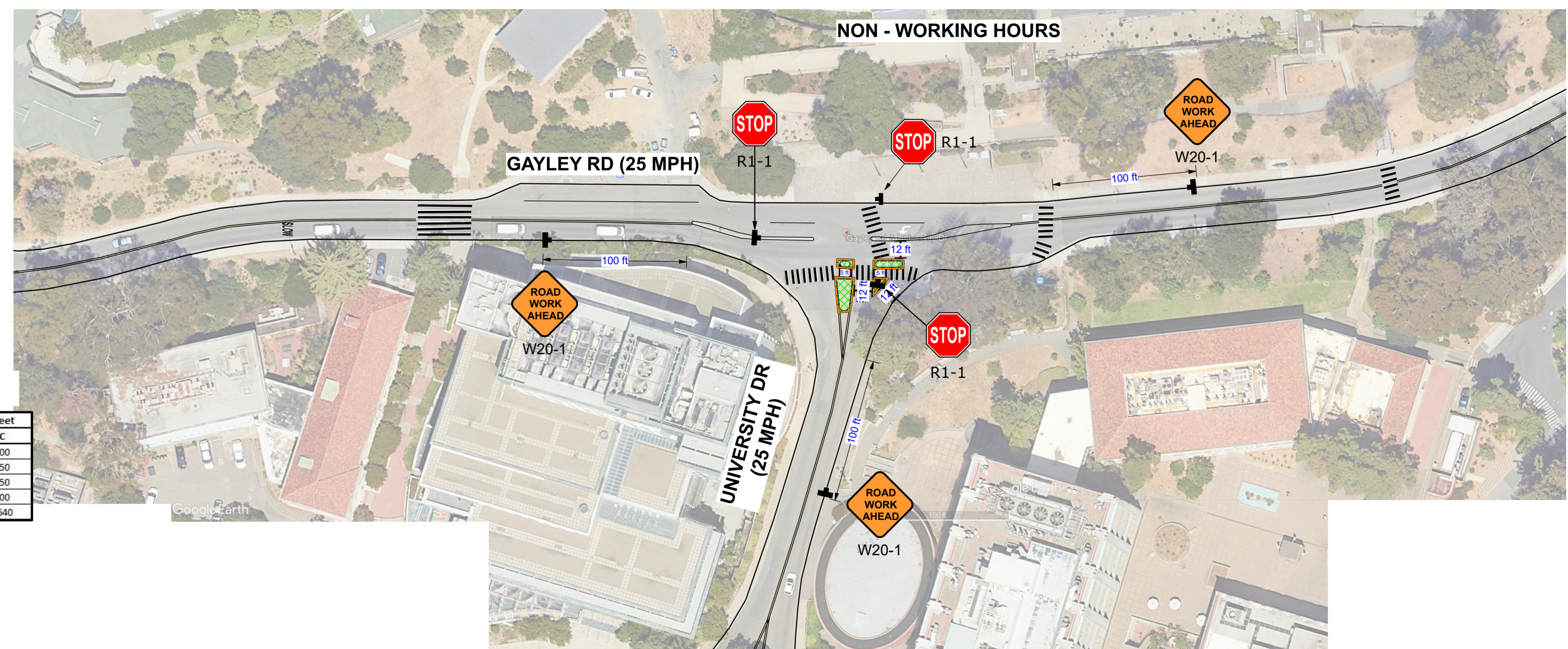
$L = \frac{WS^2}{60}$ (40 mph or less)	$L = WS$ (45 mph or greater)
L = Taper Length in feet	
W = Width of Offset in feet	
S = Speed in mph	

**Table A-3**  
Taper Length and Buffer Space  
Use in Typical Applications Diagrams

Speed in Miles per Hour*	Length of Taper 'L' in Feet		Speed in Miles per Hour*	Length of Buffer Space in Feet
	11 Feet	12 Feet		
20	73	80	20	35
25	115	125	25	55
30	165	180	30	85
35	225	245	35	120
40	293	320	40	170
45	495	540	45	220
50	550	600	50	280
55	605	660	55	335
60	660	720	60	415
65	715	780	65	485
70	770	840	70	585

**Table A-2**  
Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs in Feet		
	A	B	C
Urban - 25 mph or less	100	100	100
Urban - more than 25 mph to 40mph	250	250	250
Urban - more than 40mph	350	350	350
Rural	500	500	500
Expressway / Freeway	1000	1500	2640



COMPASS	LEGEND	STAMP
	Flashing Arrow Board	Work Area
	Flashing Arrow Board (Plan View)	Sign and Stand
	28" Traffic Cones	Water Filled Barrier
	Temporary Delineator	ADA Pedestrian Barrier
	Type 1 Barricades	MUNI WIRES
	Type 3 Barricades	TEMP STRIPING
	NTS Not to Scale	
	TA/NS Tow-Away / No Stopping	
	Flagger	

## TRAFFIC CONTROL PLAN

**UCB HEATHCOCK HALL  
CONCRETE ISLANDS WORK  
GAYLEY RD AT UNIVERSITY DR**

**GENERAL NOTES:**

- 1) CONTRACTOR TO VERIFY EXISTING STRIPING IS ACCURATE PRIOR TO START OF WORK.
- 2) ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF CA MUTCD.
- 3) THE CONTRACTOR SHALL NOT PREVENT OR DELAY THE OPERATION OF MASS TRANSIT VEHICLES AT ANY TIME.
- 4) THE CONTRACTOR SHALL PERFORM THE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF BICYCLISTS ON ALL STREETS ON WHICH THERE IS CONSTRUCTION.

**DR TRAFFIC CONTROL, LLC**

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Author	DEREK DOAN
Client	A & B
Location	BERKELEY
DR Job #	0728
TCP #	004
Revision	000