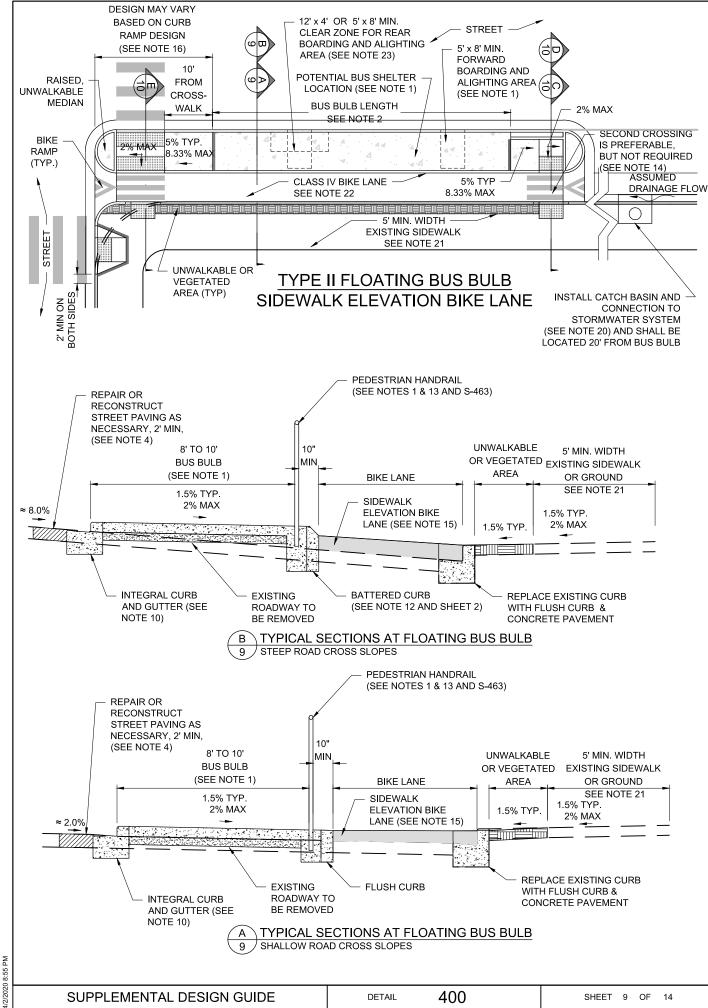
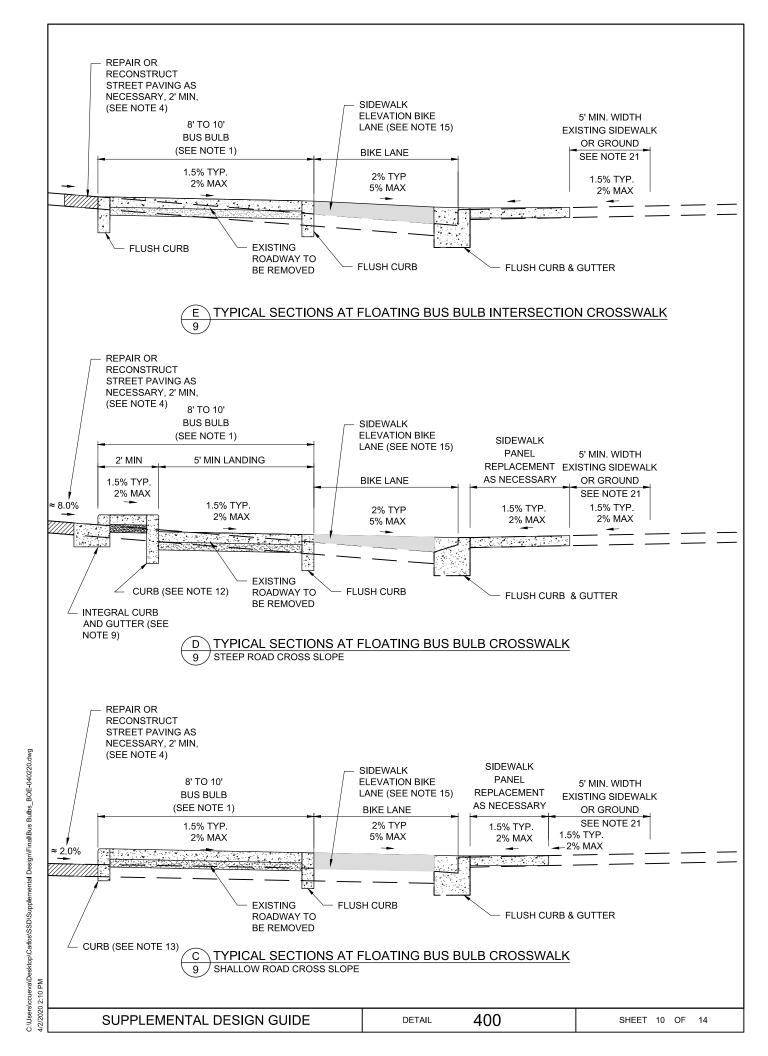
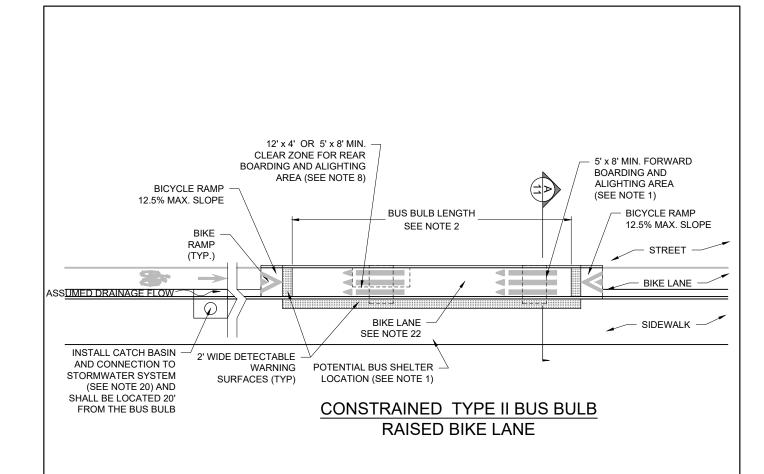


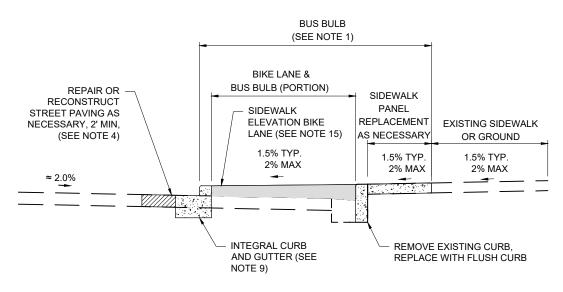
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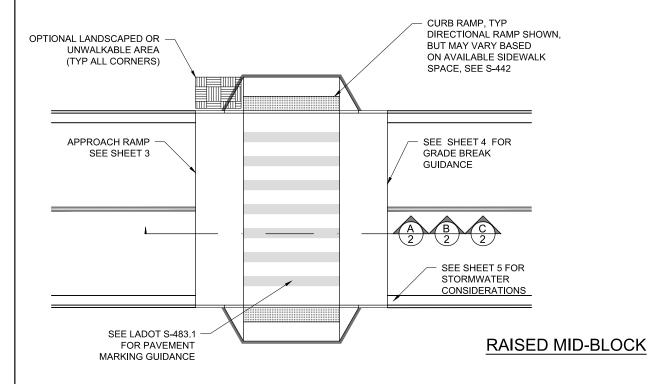


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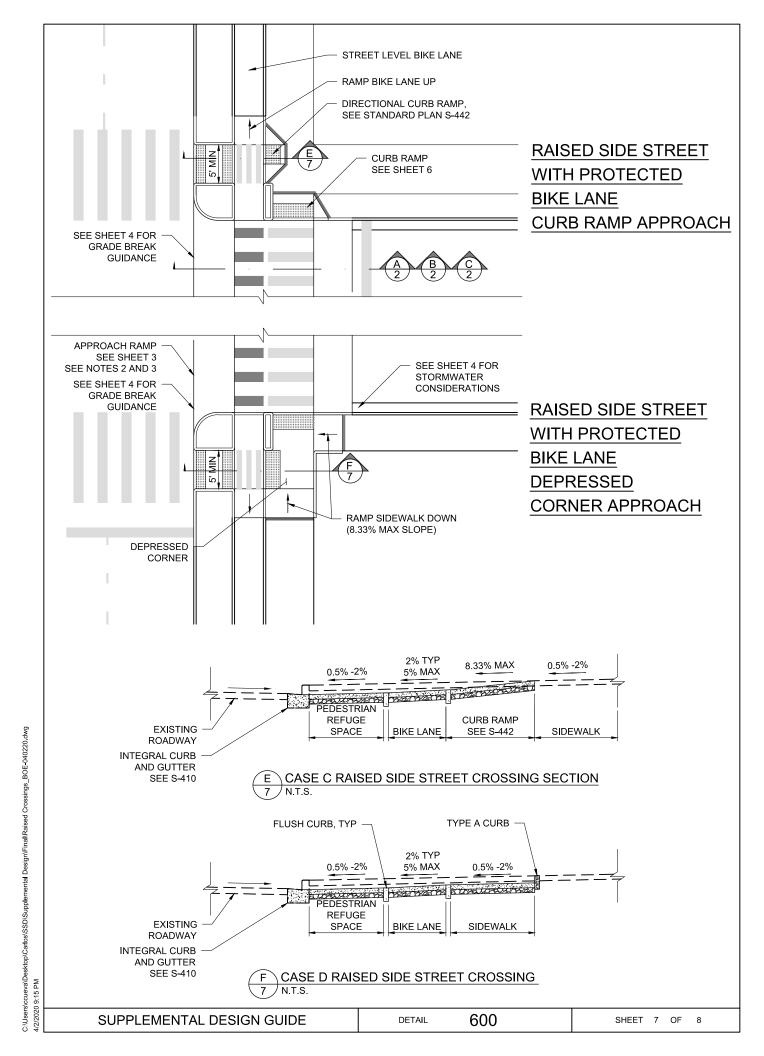
**RAISED CROSSINGS** 

SUPPLEMENTAL DESIGN GUIDE

DETAIL 600

SHEET 1 OF 8

4/2/2020 9:14 PM



POSTED SPEED (mph)			
25	30	35	40
CALCULATED A DISTANCES (ft)			
56	71	88	107
51	65	81	98
47	60	74	90
44	56	69	84
41	52	65	78
38	49	61	74
36	46	57	69
	25 CALCU 56 51 47 44 41 38	25 30  CALCULATED A  56 71  51 65  47 60  44 56  41 52  38 49	25         30         35           CALCULATED A DISTAN           56         71         88           51         65         81           47         60         74           44         56         69           41         52         65           38         49         61

A=4B / (W-7)=Curb stopping prohibition necessary for motorist to see a pedestrian at a point
4' into the roadway. LADOT practice is to install 50 feet of red curb on arterial approaches to
side streets, measured from the side street curb line prolongation. Install this minimum
dimension whenever the calculated A distance results in a lesser dimension. (See Note 1)

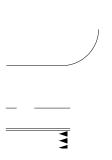
B=Safe stopping distance=1.47 VT + 1.075 V<sup>2</sup>/a

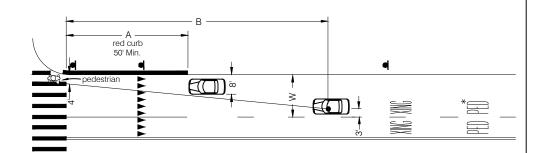
V=Posted speed + 5mph (Chart listings calculated on posted speed + 5mph)

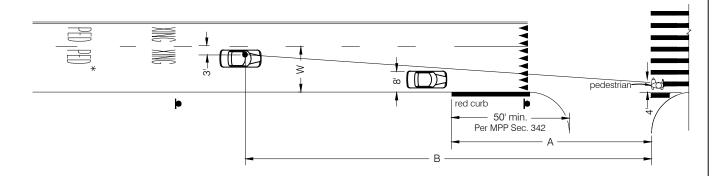
T=Perception	- Reaction time of	1.5 seconds	(Driver p	oreviously	alerted w	vith advance	sign and
paveme	ent markings)						

- a=Deceleration rate=11.2 ft /s $^2$  (ASSHTO Policy on Geometric Design of Highways & Streets, Stopping Sight Distance)
- W=Curb lane width (Driver is assumed to be 3' from lane line)

POS		В
(m		(ft)
2	5	153
3	0	195
3	5	242
4	0	294







### NOTES:

### 1. ONE-WAY STREETS

Because one-way streets place drivers closer to the curb on the left side of the roadway, use A=4B/(W-11) for left side pedestrian approach. This distance is not shown above.

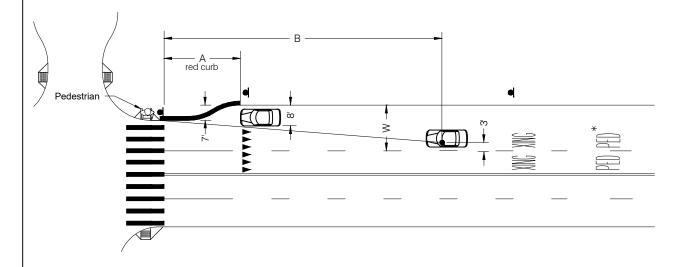
#### 2 SIGNS

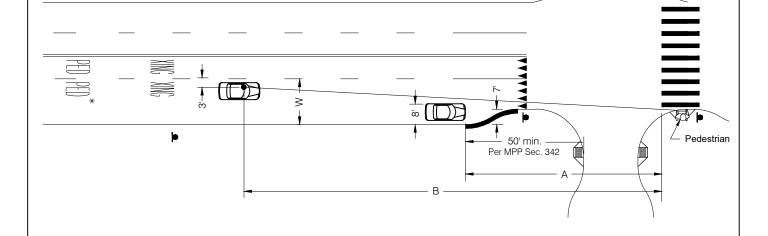
See Sheet 1 for appropriate signs.

w	POSTED SPEED (mph)			
(ft)	25	30	35	40
(11)	CALCULATED A DISTANCES (ft)			
18	19	24	30	37
19	17	22	27	33
20	15	20	24	29
21	14	18	22	27
22	13	16	20	25
23	12	15	19	23
24	11	14	17	21

 $A=B/(W-10)= Curb\ stopping\ prohibition\ necessary\ for\ a\ motorist\ to\ see\ a\ pedestrian\ at\ the\ curb line\ of\ the\ curb\ extension.\ This\ formula\ assumes\ that\ the\ curb\ extension\ is\ 7'\ wide\ compared\ to\ the\ 8'\ wide\ parking\ lane.$ 

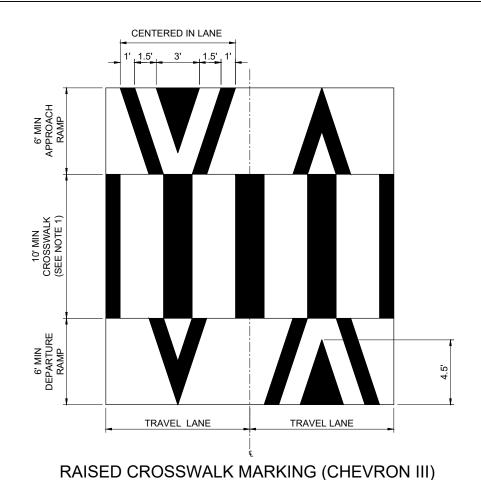
POSTED SPEED	В
(mph)	(ft)
25	153
30	195
35	242
40	294

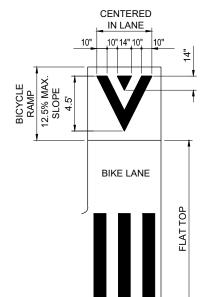




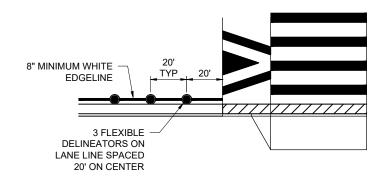
## NOTES:

Signs
 See Sheet 1 for appropriate signs.

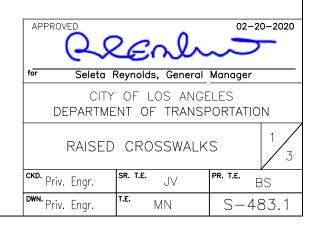


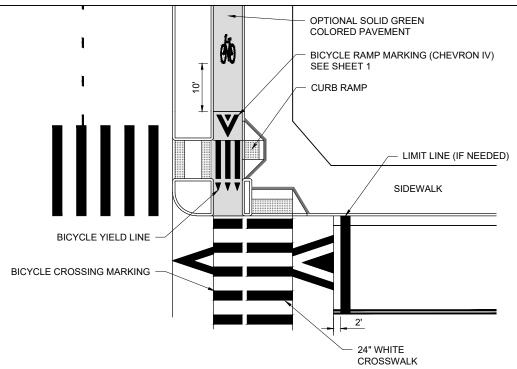


BICYCLE RAMP MARKING (CHEVRON IV)

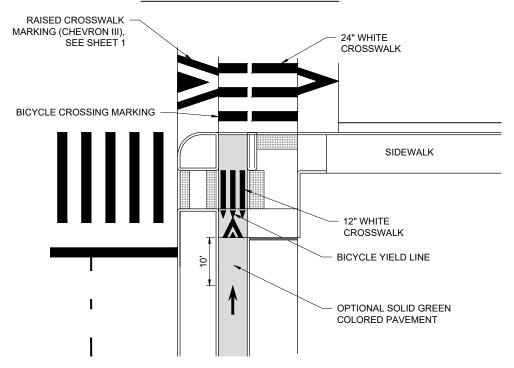


# SIDEWALK CULVERT MARKINGS





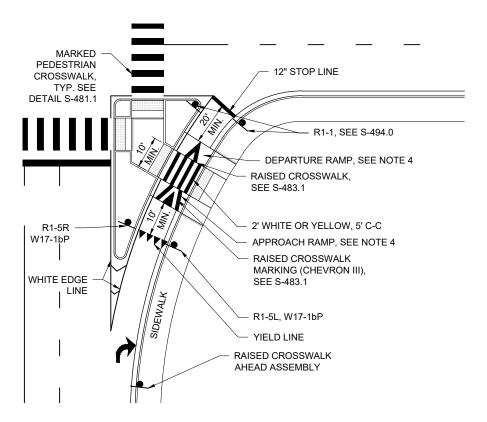
# RAISED SIDE STREET CROSSWALK STANDARD CURB RAMP



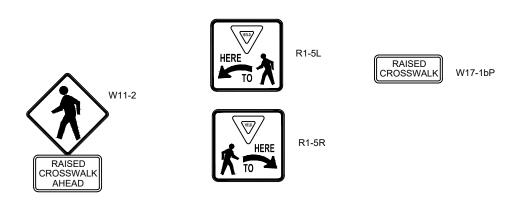
# RAISED SIDE STREET CROSSWALK DEPRESSED CORNER

NOTES

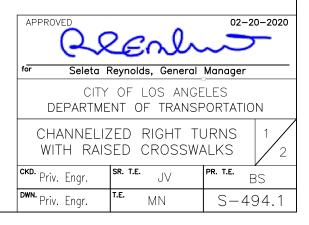
- 1. THE WIDTH OF THE TOP OF RAISED CROSSWALKS SHOULD MATCH THE WIDTH OF THE CONNECTING SIDEWALK, SHARED USE PATH, OR DESIRED CROSSWALK, BUT NOT LESS THAN 10' IN WIDTH.
- 2. THE PLACEMENT OF ADVANCED WARNING SIGNS AND MARKINGS SHALL FOLLOW THE GUIDANCE FOR ADVANCED SIGN POSTING (C\*\*) SHOWN ON S-481.0.
- 3. SEE CITY OF LOS ANGELES SUPPLEMENTAL STREET DESIGN GUIDE, DETAIL 600 FOR RAISED CROSSING DETAILS.

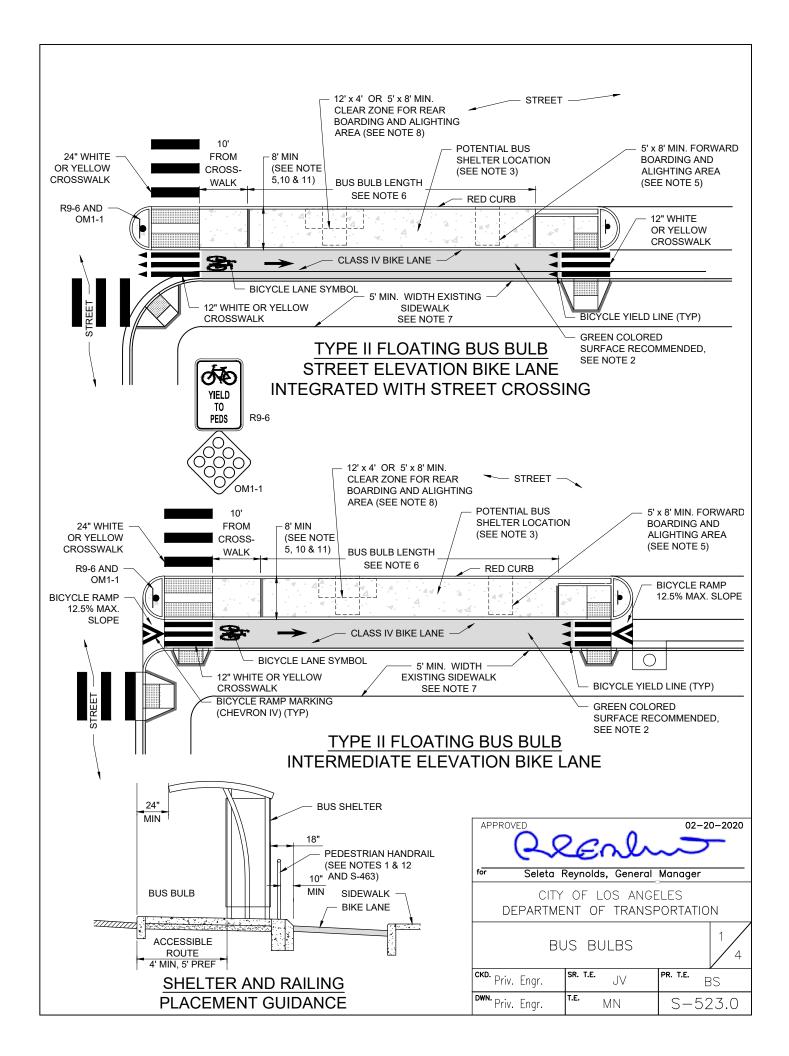


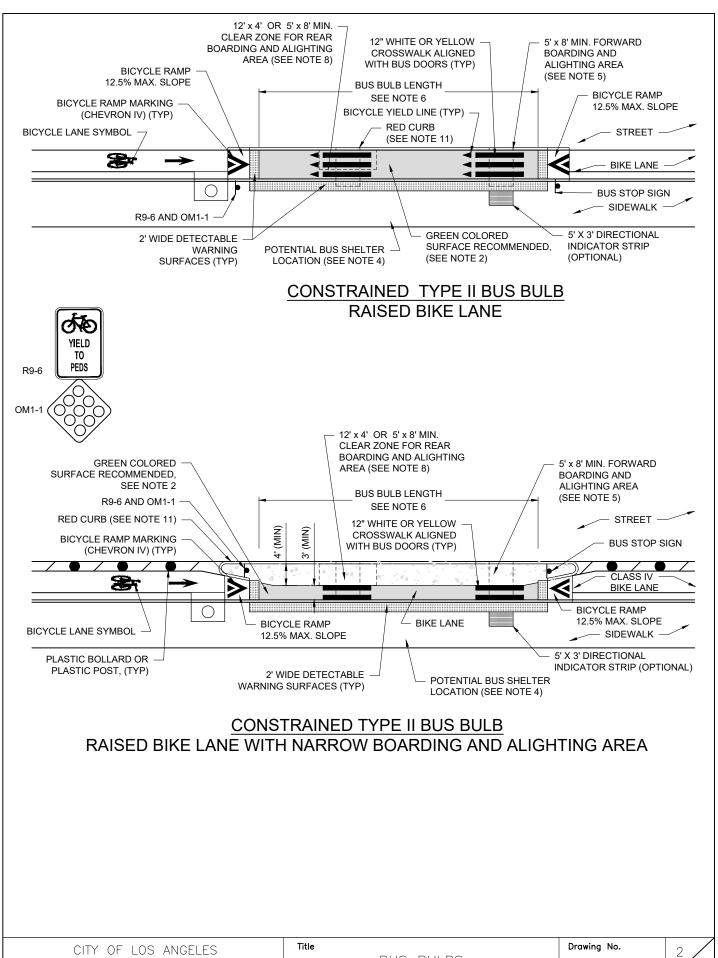
## PEDESTRIAN ISLAND CHANNELIZED RIGHT TURN

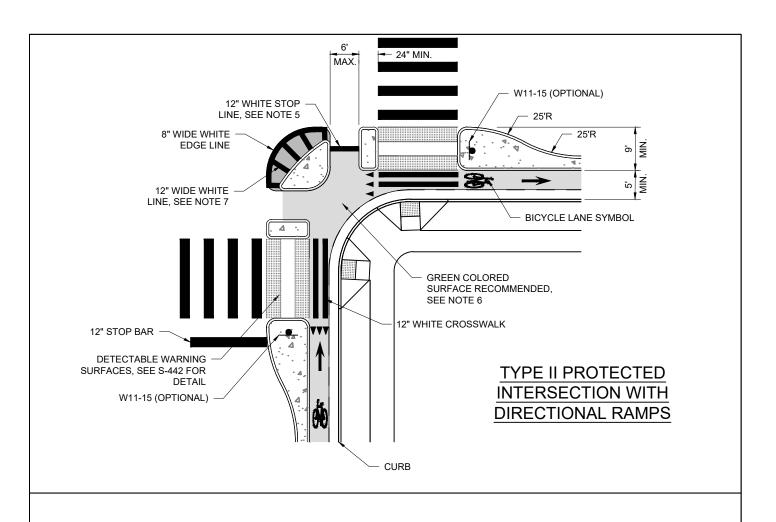


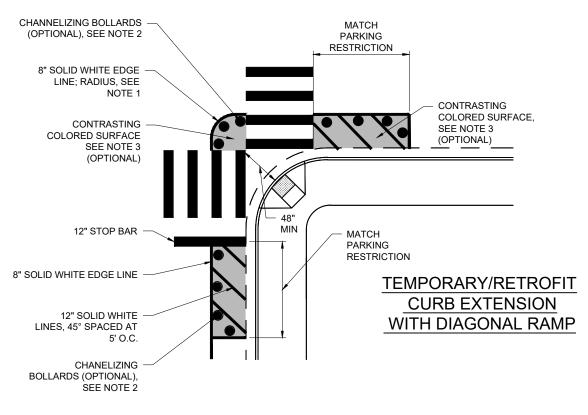
# RAISED CROSSWALK AHEAD ASSEMBLY DETAIL

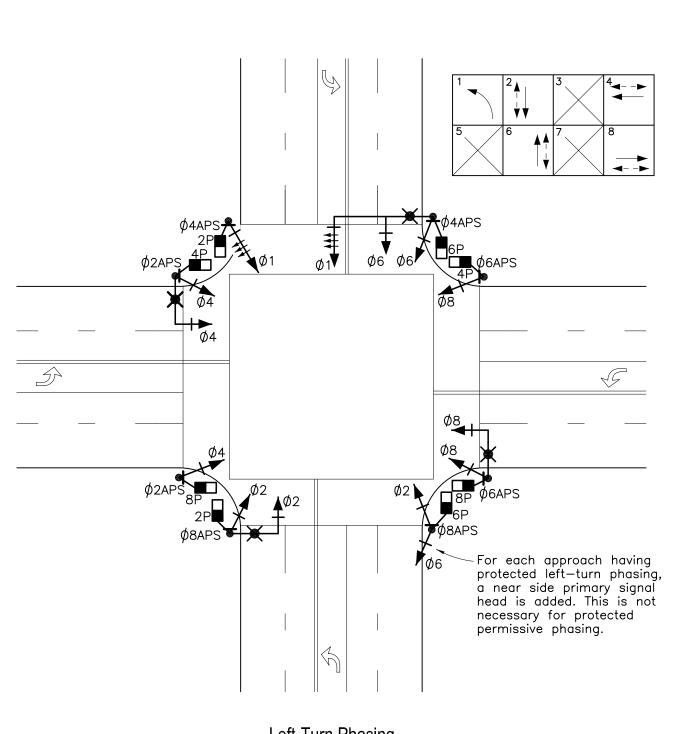








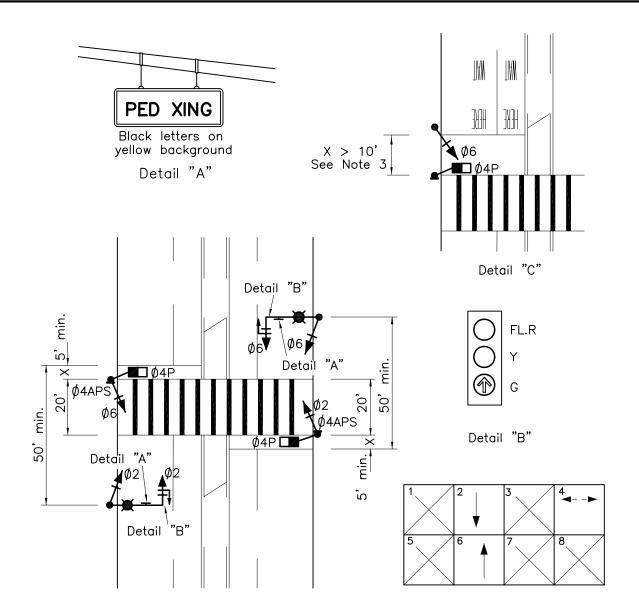




# Left-Turn Phasing

#### Notes:

- 1. Protected left-turn phasing is shown. See S-65.0 for mastarm head placement for other types of left-turn phasing.
- 2. This drawing is not intended to show the required safety lighting design. Final lighting designs may not include the depicted mastarm lighting and likely will include other lighting locations not shown.



Signalized Midblock Crosswalk -Two Way Street

### Notes:

- 1. Signal equipment should be combined with street lighting where feasible.
- 2. See S-493.0, Cases 13 & 14 for limit line locations. See S-481.0 for ladder crosswalk detail.
- 3. Where X is greater than 10', install a pole for the pedestrian head at the location shown, and a separate pole for the secondary vehicle head at the limit line, as shown in Detail "C".
- 4. This drawing is not intended to show the required safety lighting design. Final lighting designs may not include the depicted mastarm lighting and likely will include other lighting locations not shown.
- 5. During Phase 4 pedestrian sequence, Phases 2 & 6 receive a flashing red signal display.

