

Typical Components

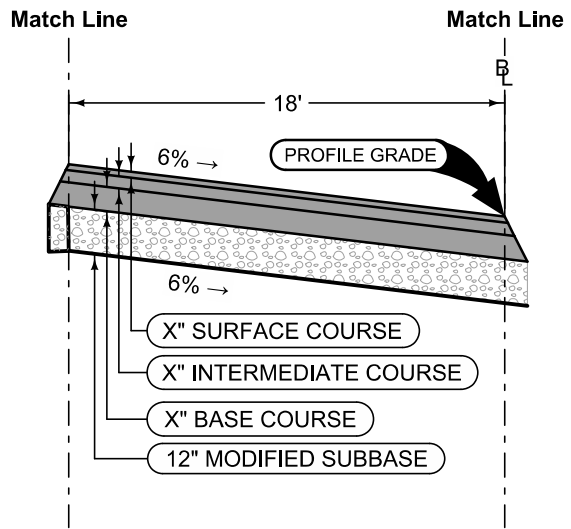
**Typical
Components**

Typical Components - Backbones

Name	Date	Title
		Ramps
1LH_	04-19-11	1 Lane HMA Loop
1LP_	10-17-17	1 Lane PCC Loop
1RH_	04-19-11	1 Lane HMA Ramp
1RP_	10-17-17	1 Lane PCC Ramp
2RH_	04-21-20	2 Lane HMA Ramp
2RP_	04-21-20	2 Lane PCC Ramp
		2 Lane
2E_	10-19-10	2 Lane Existing Pavement
2H_	04-21-20	2 Lane HMA
2P_	04-21-20	2 Lane PCC
2E_TWLT_	10-19-10	2 Lane Existing Pavement with Two Way Left Turn Lane
2H_TWLT_	04-21-20	2 Lane HMA with Two Way Left Turn Lane
2P_TWLT_	04-21-20	2 Lane PCC with Two Way Left Turn Lane
		4 Lane
4DH_Dprs_	04-21-20	4 Lane Divided HMA
4DP_	04-21-20	4 Lane Divided PCC
4DP_Raised_Crowned_	04-21-20	4 Lane Divided PCC with Raised Median - Crowned
4DP_Raised_Out_	04-21-20	4 Lane Divided PCC with Raised Median - Sloped Out
4E_	10-19-10	4 Lane Existing Pavement
4UP_	04-15-25	4 Lane Undivided PCC
		6 Lane
6DP_Closed_	04-15-25	6 Lane PCC Closed Median
6DP_Dprs_	04-15-25	6 Lane PCC Depressed Median

Typical Components - Backbones

Name	Date	Title
8DP_Closed_	04-15-25	8 Lane 8 Lane PCC Closed Median
8DP_Dprs_	04-15-25	8 Lane PCC Depressed Median
		3R
3R_MillingOverlay_	04-19-11	HMA Overlay with Milling
3R_Overlay_	04-19-11	HMA Overlay
3R_WidenOverlay_	04-19-11	HMA Overlay with Base Widening



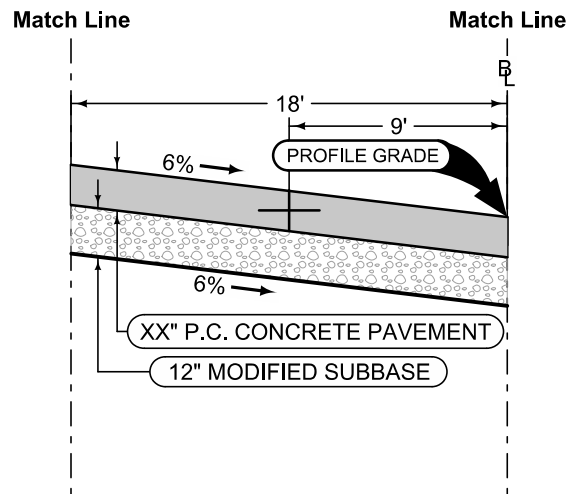
BACKBONES

LOOPS

Section shown in direction of traffic.

1LH_ 04-20-21	
BEGIN STATION	END STATION

BACKBONES LOOPS

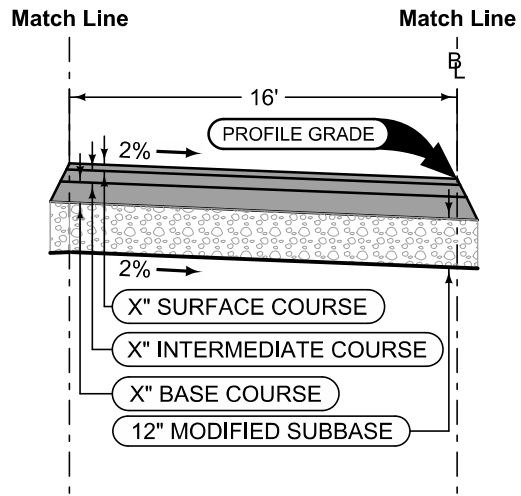


Section shown in the direction of traffic.

Loop Jointing:
 Transverse joints: CD at 15' spacing
 Longitudinal joint: L-2

1LP_ 04-20-21	
BEGIN STATION	END STATION

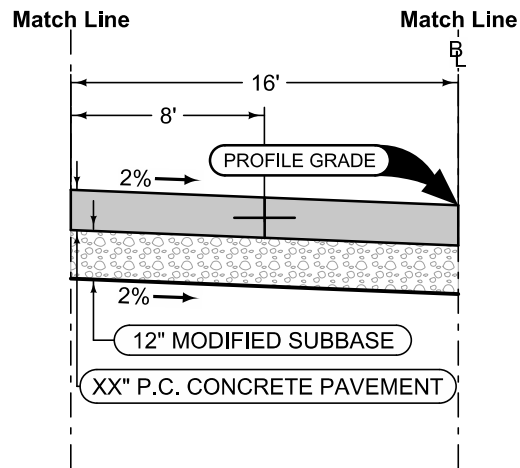
BACKBONES RAMPS



Section shown in direction of traffic.

1RH_ 04-20-21	
BEGIN STATION	END STATION

BACKBONES RAMPS

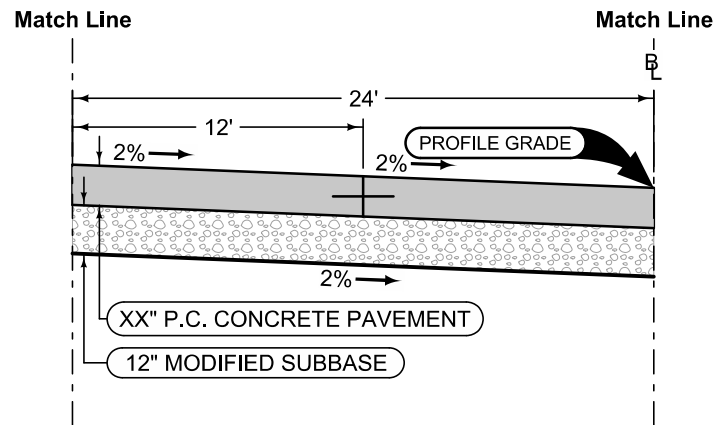


Section shown in the direction of traffic.

Ramp Jointing:
 Transverse joints: CD at 15' spacing.
 Longitudinal joints: L-2

1RP_ 04-20-21	
BEGIN STATION	END STATION

BACKBONES RAMPS



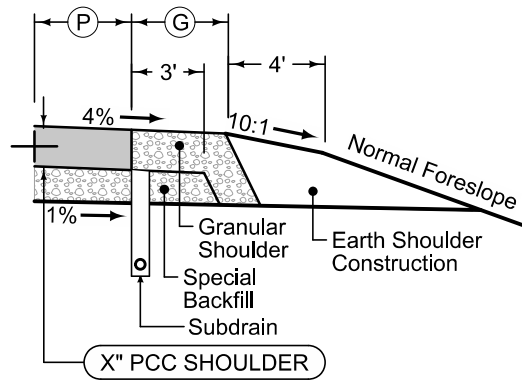
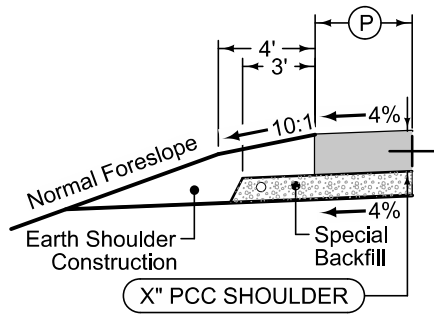
Section shown in the direction of traffic.

Ramp Jointing:
 Transverse joints: CD at 17' spacing.
 Longitudinal joint: L-2

2RP_ 04-20-21	
BEGIN STATION	END STATION

SHOULDERS

4 LANE

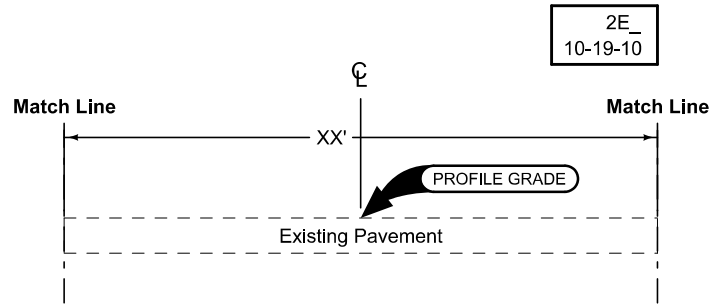


Full Depth PCC Combination Shoulder

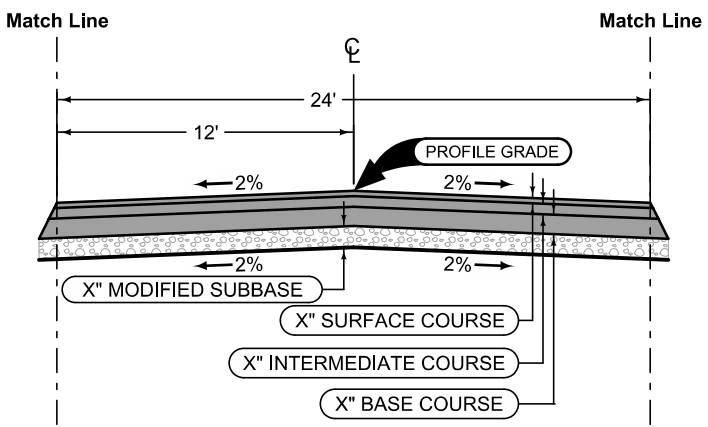
Shoulder Jointing:
 Longitudinal joint: BT-2, L-2 or KT-2
 Transverse joints: C at 17' spacing

4_C_FullPCC_04-20-21				
Direction of Travel	BEGIN STATION	END STATION	(P) Feet	(G) Feet

Backbones 2 Lane

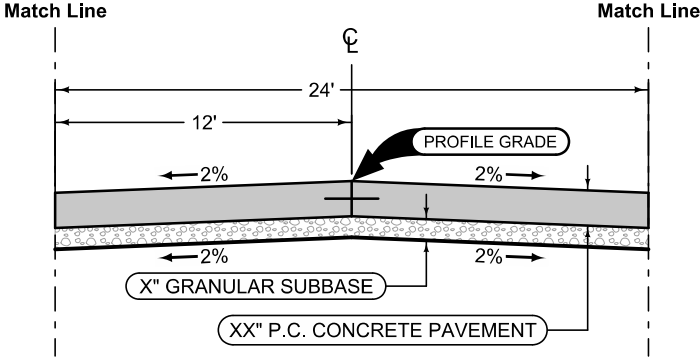


Backbones 2 Lane



2H_ 04-21-20	
STATION TO STATION	

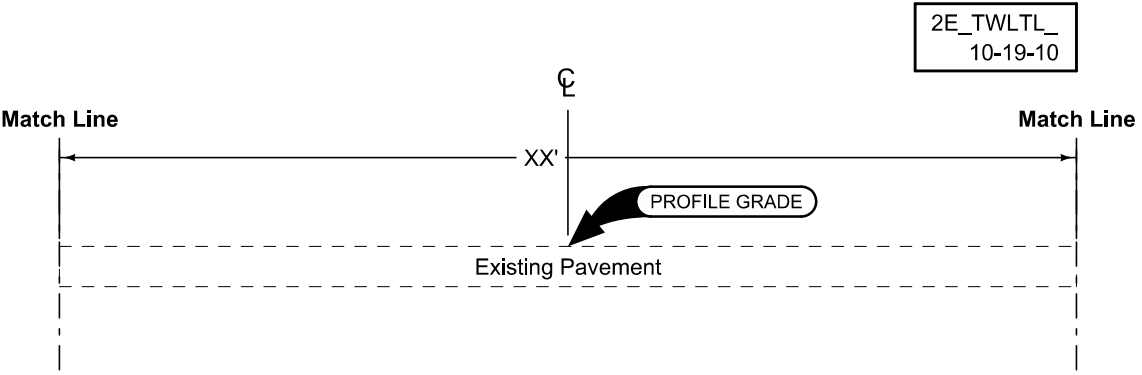
Backbones 2 Lane



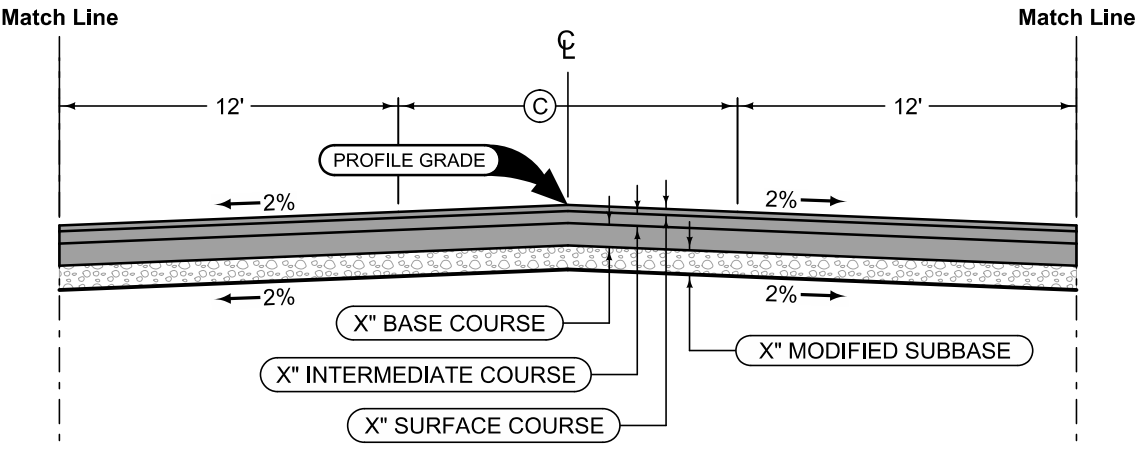
Mainline Jointing:
 Transverse joints: CD at 17' spacing
 Longitudinal joint: L-2

2P_	
04-21-20	
STATION TO STATION	

Backbones 2 Lane

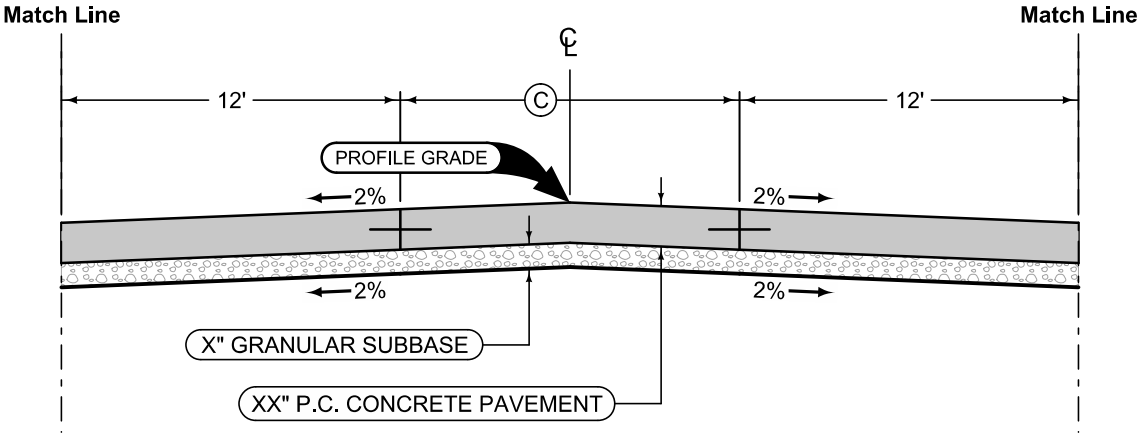


Backbones 2 Lane



2H_TWLTL_ 04-21-20		
STATION TO STATION	(C)	Feet

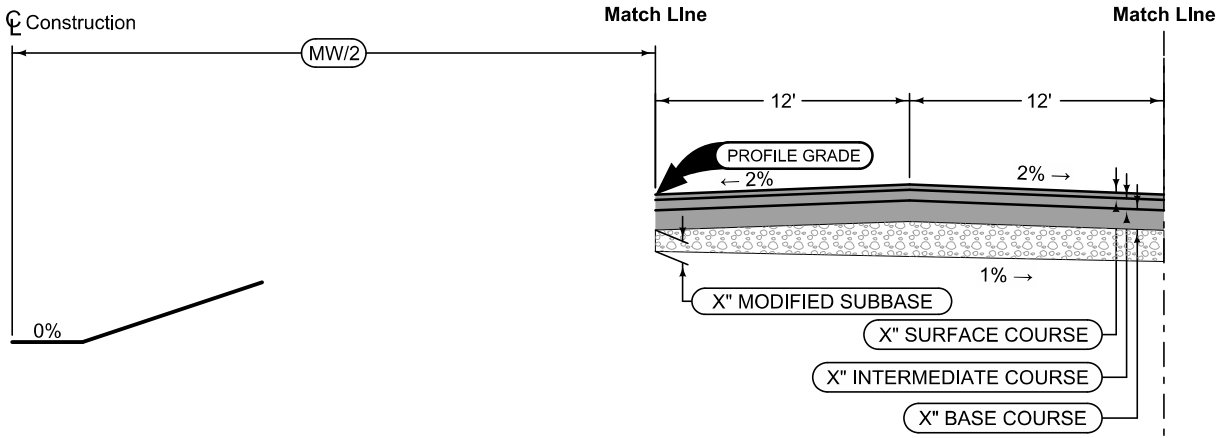
Backbones 2 Lane



Mainline Jointing:
 Transverse joints: CD at 17' spacing
 Longitudinal joint: L-2

2P_TWLTL_ 04-21-20		
STATION TO STATION		Ⓢ Feet

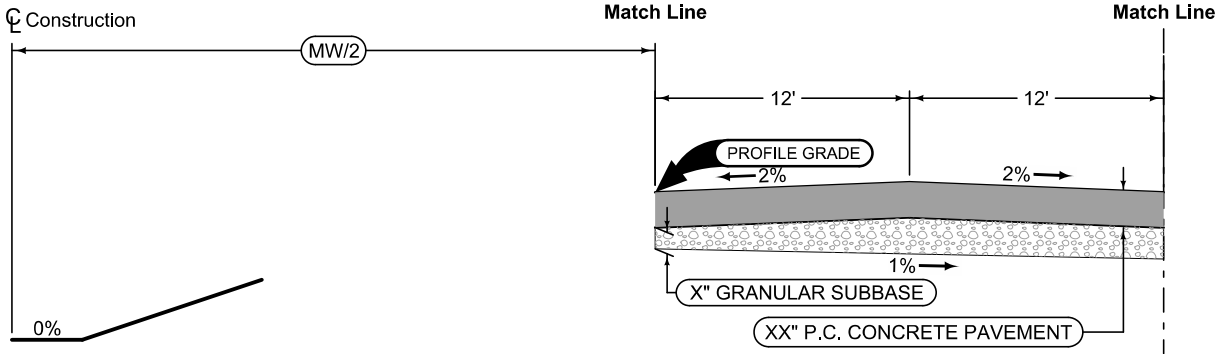
Backbones 4 Lane



Section shown in the direction of traffic.

4DH_Dprs_ 04-21-20			
Direction of Travel	BEGIN STATION	END STATION	(MW) Feet

Backbones 4 Lane

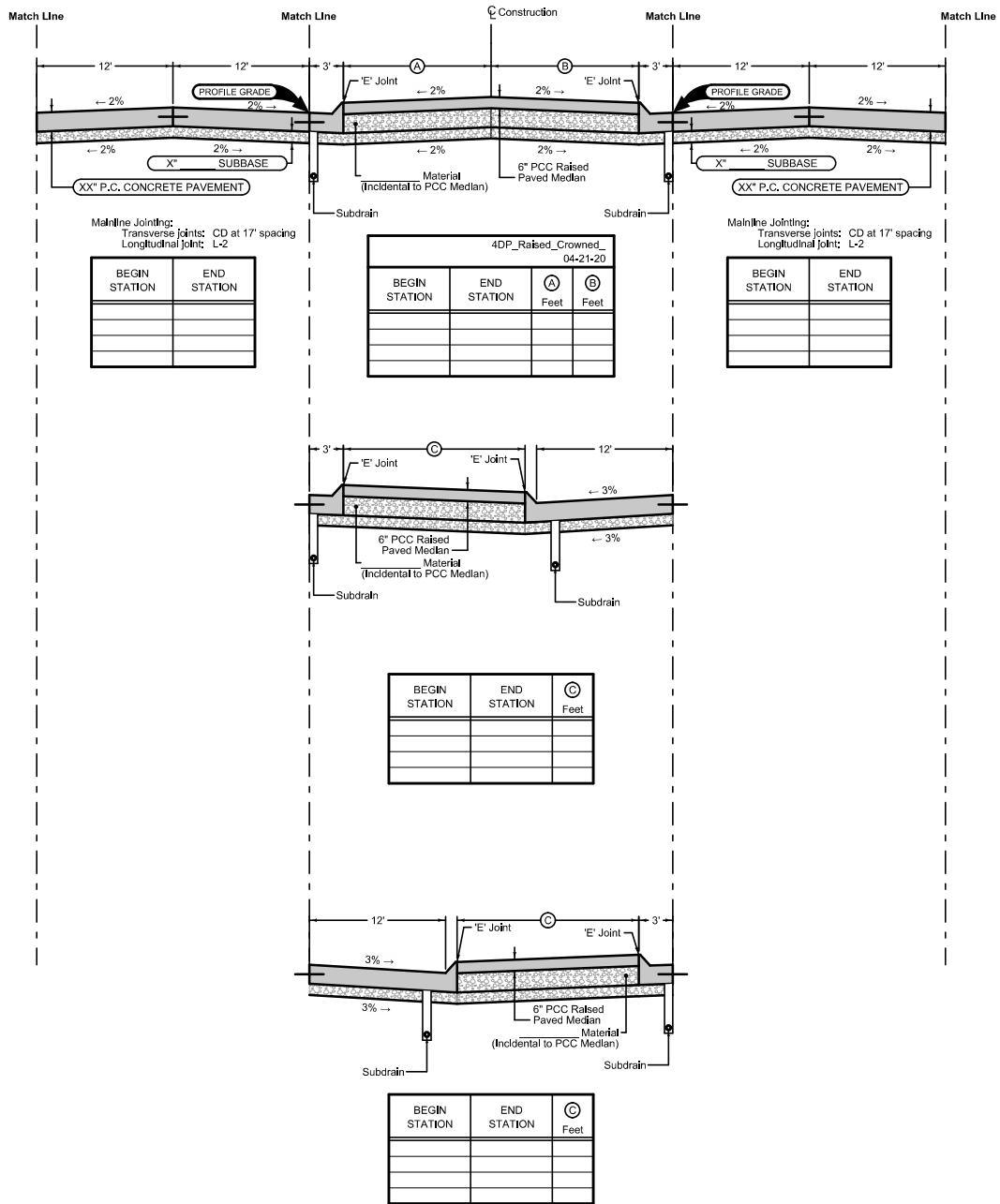


Section shown in the direction of traffic.

Mainline Jointing:
 Transverse joints: CD at 17' spacing
 Longitudinal joint: L-2

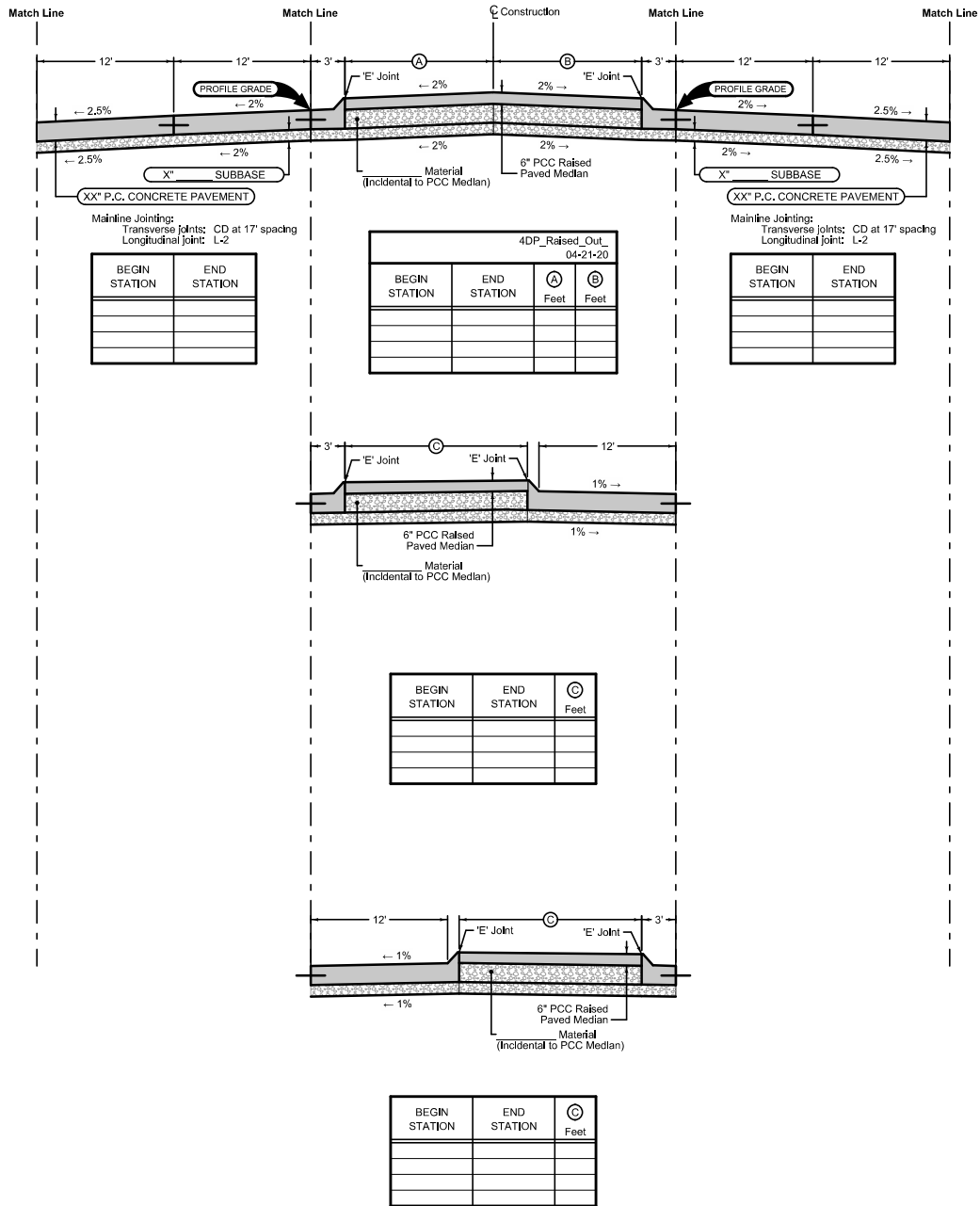
4DP_04-21-20			
Direction of Travel	BEGIN STATION	END STATION	(MW) Feet

Backbones 4 Lane



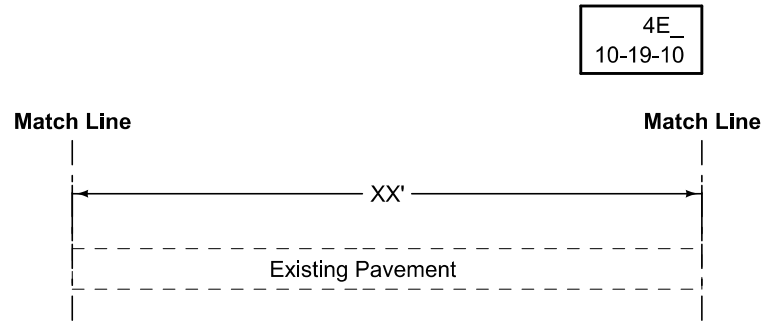
DESIGNER
INFO

Backbones 4 Lane



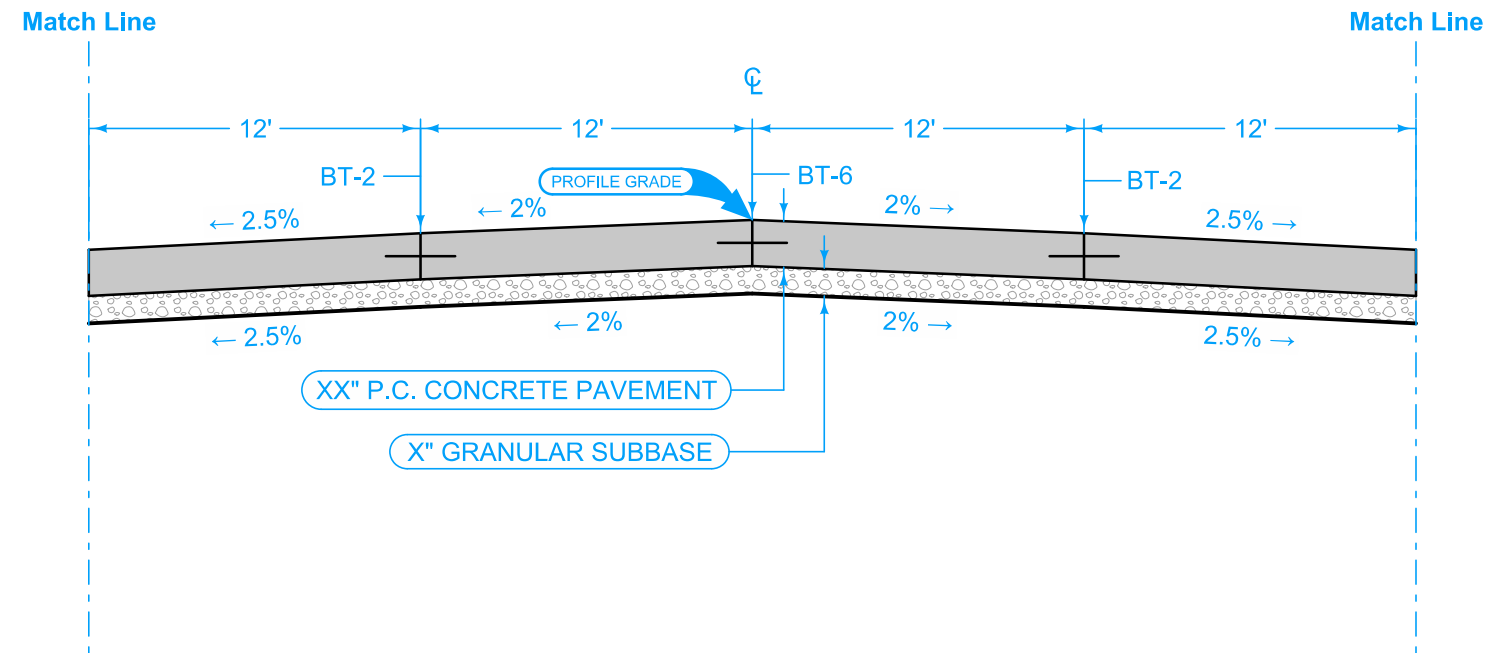
DESIGNER
INFO

Backbones 4 Lane



BACKBONES

4 LANE

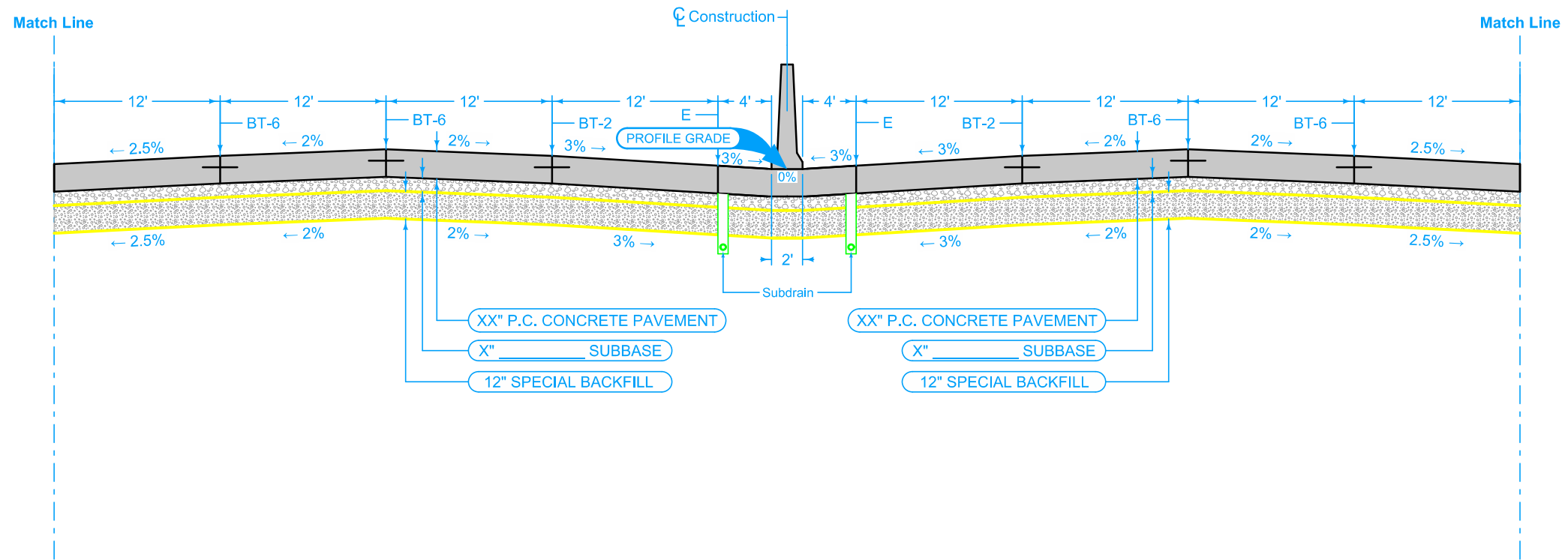


Mainline Jointing:
Transverse joints: CD at 17' spacing

4UP_ 04-15-25	
STATION TO STATION	

BACKBONES

6 LANE

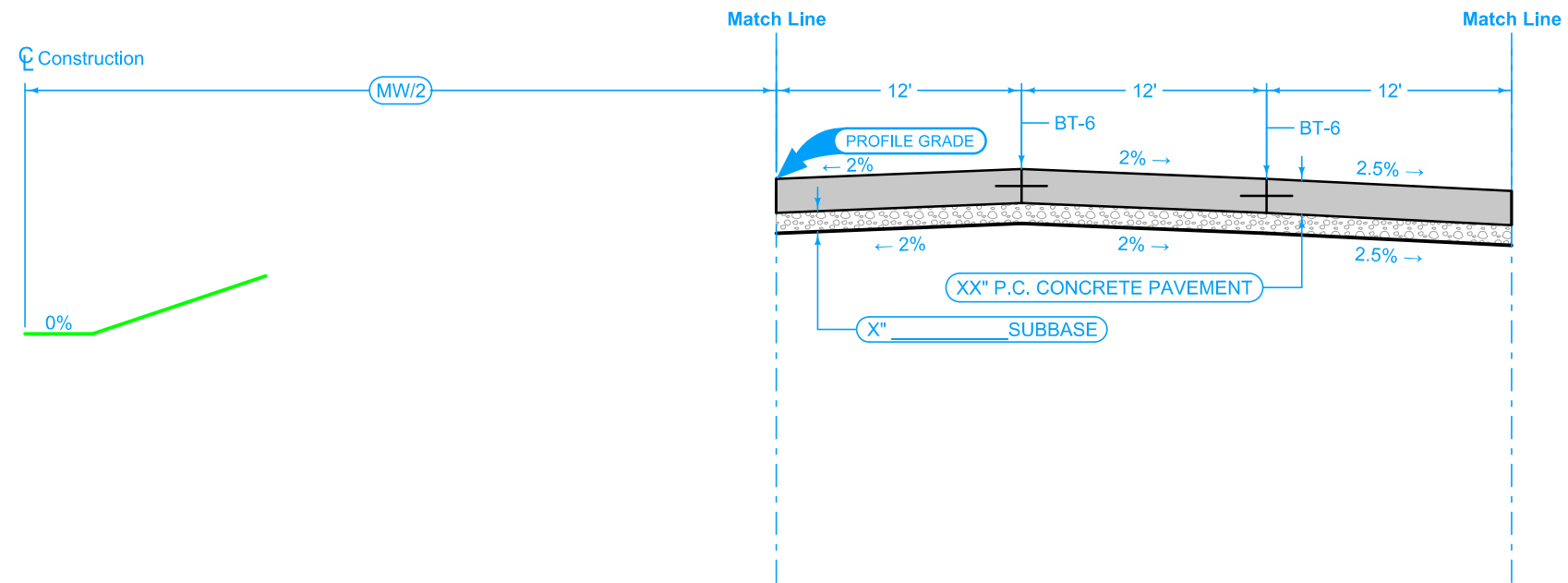


Mainline Jointing:
 Transverse joints: CD at 17' spacing

6DP_Closed_ 04-15-25	
BEGIN STATION	END STATION

BACKBONES

6 LANE



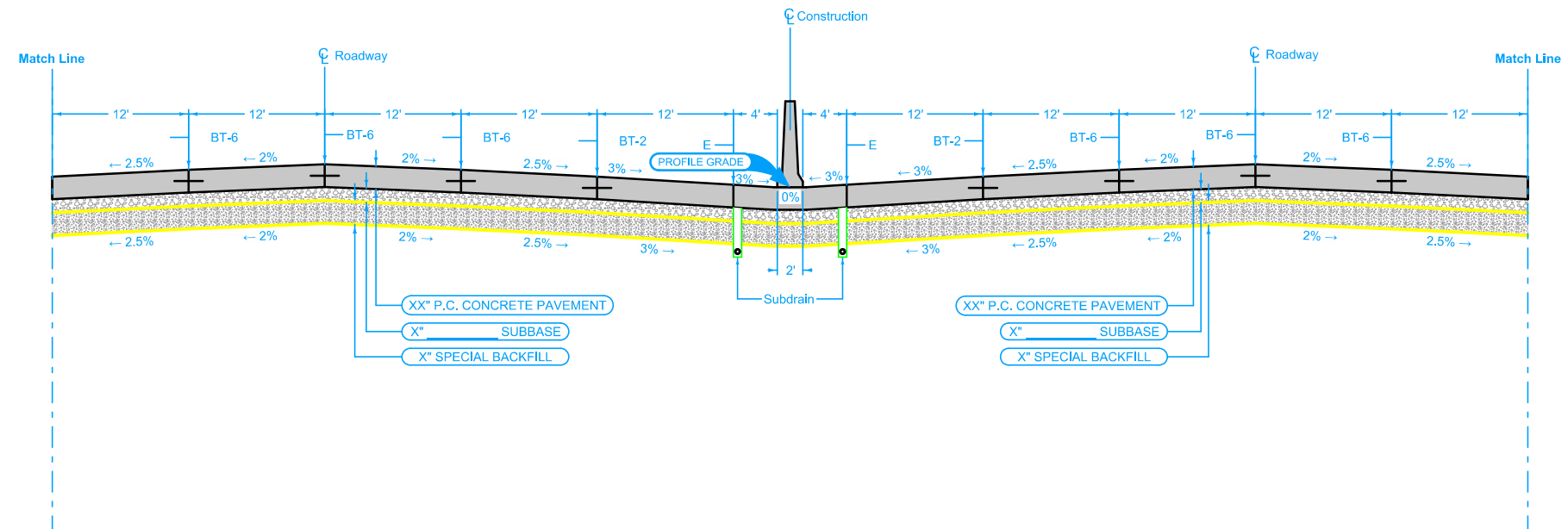
Section shown in the direction of traffic.

Mainline Jointing:
Transverse joints: CD at 17' spacing

6DP_Dprs_ 04-15-25			
Direction of Travel	BEGIN STATION	END STATION	(MW) Feet

BACKBONES

8 LANE

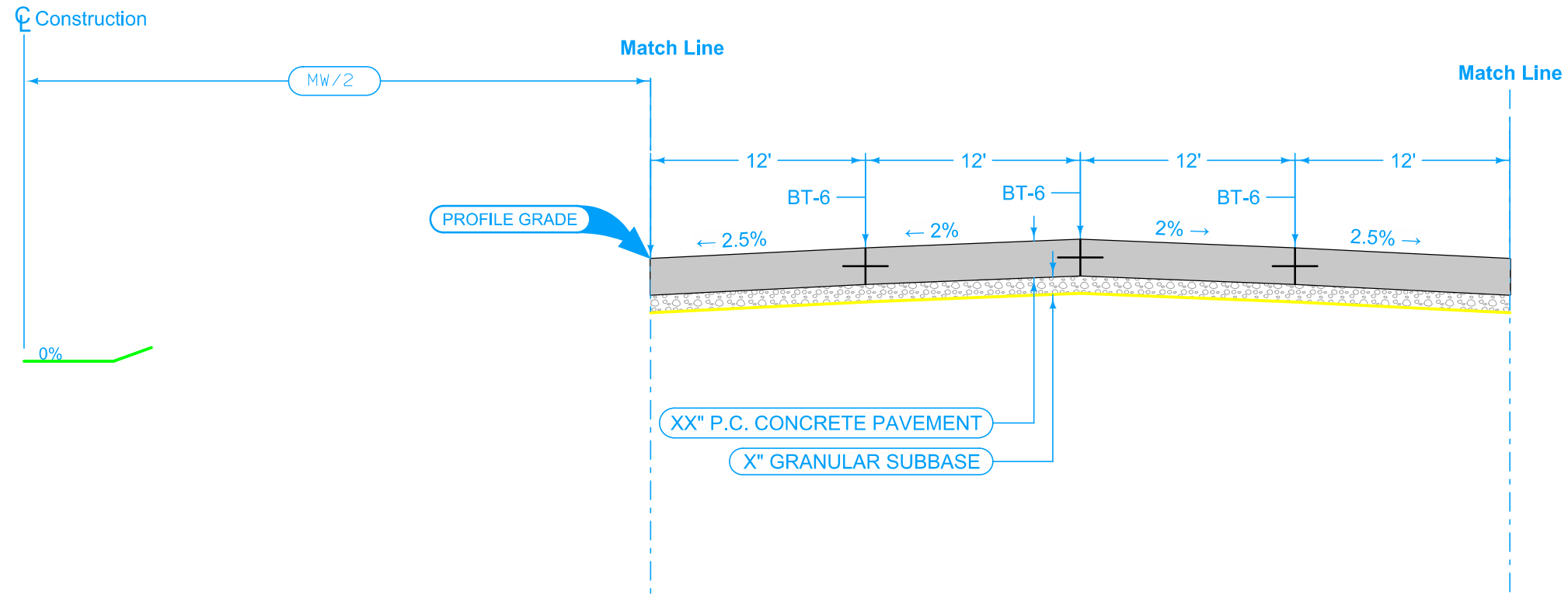


Mainline Jointing:
Transverse joints: CD at 17' spacing

8DP_Closed_ 04-15-25	
BEGIN STATION	END STATION

BACKBONES

8 LANE

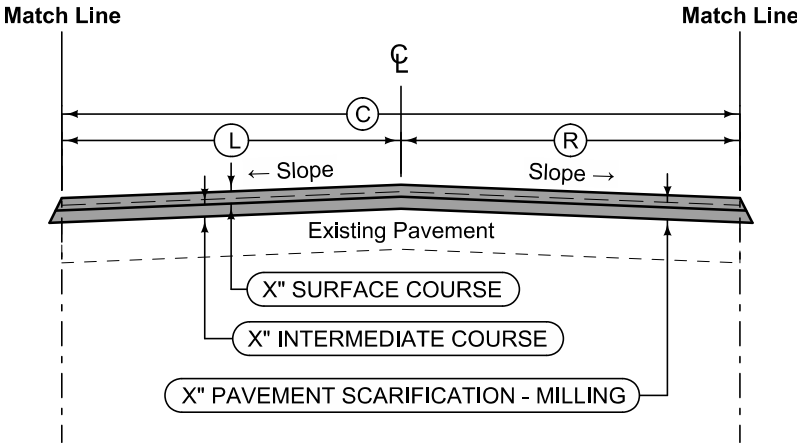


Section shown in the direction of traffic.

Mainline Jointing:
Transverse joints: CD at 17' spacing

8DP_Dprs_ 04-15-25			
Direction of Travel	BEGIN STATION	END STATION	(MW) Feet

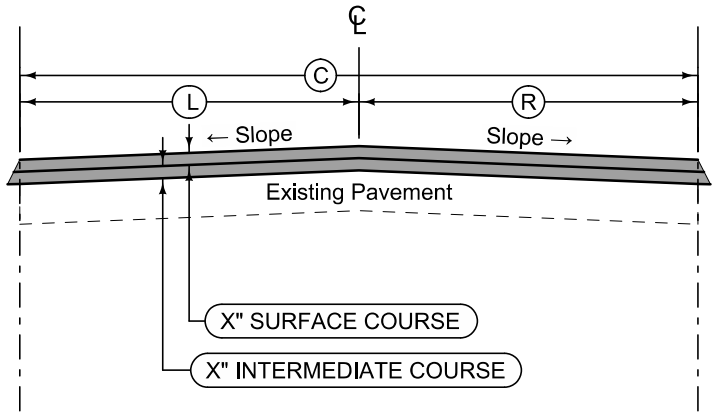
Backbones 3R



3R_MillingOverlay_04-19-11				
STATION TO STATION	Ⓒ Feet	Ⓕ Feet	Ⓖ Feet	Pavement Scarification SY

Backbones

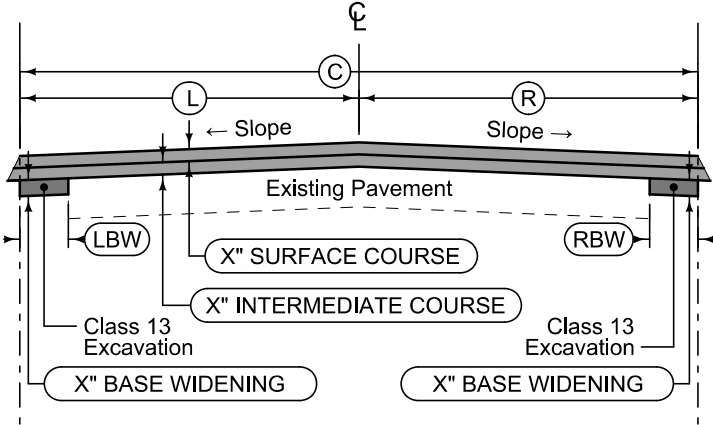
3R



3R_Overlay_ 04-19-11			
STATION TO STATION	(C) Feet	(L) Feet	(R) Feet

Backbones

3R



3R_WidenOverlay_ 04-19-11					
STATION TO STATION	Ⓞ Feet	Ⓞ Feet	Ⓞ Feet	Ⓞ Feet	Ⓞ Feet

Typical Components - Shoulders

Name	Date	Title
		Ramps
1L_P_ALT_	10-18-22	Loop Paved Shoulder Alternates
1L_P_HMA_	04-21-20	Loop HMA Shoulder
1R_Curb_	04-15-25	Ramp Curbed Shoulder
1R_G_	10-19-10	Ramp Granular Shoulder
1R_P_ALT_	10-16-18	Ramp Paved Shoulder Alternates
1R_P_HMA_	10-19-10	Ramp HMA Shoulder
1R_P_FullPCC_	04-15-25	Full Depth PCC Shoulder
		2 Lane
2_C_	04-21-20	Combination Shoulder
2_Curb_	04-15-25	Curbed Shoulder
2_E_	04-21-20	Earth Shoulder
2_G_	04-21-20	Granular Shoulder with Safety Edge
2_G_SR_	04-21-20	Granular Shoulder for Side Roads
2_P_ALT_	04-21-20	Paved Shoulder Alternates
2_P_HMA_	04-21-20	HMA Shoulder
2_P_FullHMA_	04-21-20	Full Depth HMA Shoulder
2_C_FullPCC_	04-15-25	Full Depth PCC Combination Shoulder
2_P_FullPCC_	04-15-25	Full Depth PCC Shoulder
2_P_Guard_	04-21-20	Paved Shoulder at Guardrail

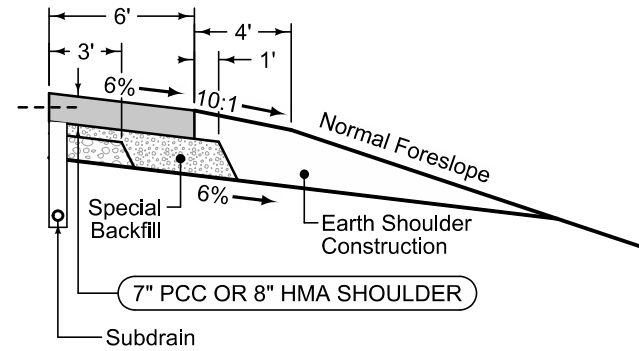
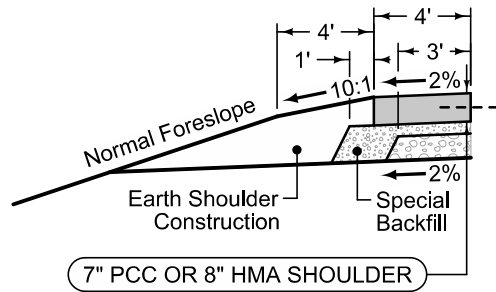
SECTION
Typical
Components

Typical Components - Shoulders

Name	Date	Title
		4 Lane
4_C_	04-21-20	Combination Shoulder
4_P_ALT_	04-21-20	Paved Shoulder Alternates
4_P_FullHMA_	04-21-20	Full Depth HMA Shoulder
4_C_FullPCC_	04-15-25	Full Depth PCC Combination Shoulder
4_P_FullPCC_	04-15-25	Full Depth PCC Shoulder
4_P_Guard_	04-21-20	Paved Shoulder at Guardrail
4_P_HMA_	04-21-20	HMA Shoulder
		6 Lane
6D_Closed_P_FullPCC_	04-15-25	Urban Full Depth PCC Shoulder
6D_Dprs_P_FullPCC_	04-15-25	Rural Full Depth PCC Shoulder
		8 Lane
8D_Closed_P_FullPCC_	04-15-25	Urban Full Depth PCC Shoulder
8D_Dprs_P_FullPCC_	04-15-25	Rural Full Depth PCC Shoulder
		3R
3R_Shldr_C_Milling_	04-19-11	Combination Shoulder - Milling
3R_Shldr_C_Overlay_	04-19-11	Combination Shoulder - Overlay
3R_Shldr_G_Milling_	04-19-11	Granular Shoulder - Milling
3R_Shldr_G_Overlay_	04-19-11	Granular Shoulder - Overlay
3R_Shldr_G_Overlay_A_	10-18-11	Granular Shoulder - Overlay using Type 'A'
3R_Shldr_P_Milling_	04-19-11	Paved Shoulder - Milling
3R_Shldr_P_Overlay_	04-19-11	Paved Shoulder - Overlay
3R_Shldr_Paved_	04-19-11	Retrofit Combination Shoulder
		Soils
Soils_1_	04-21-20	Granular Shoulder for Slide Repair
Soils_2_	04-21-20	Combination Shoulder for Slide Repair
Soils_3_	04-19-11	Foreslope Construction for Slide Repair

04-15-25

Shoulders Ramps

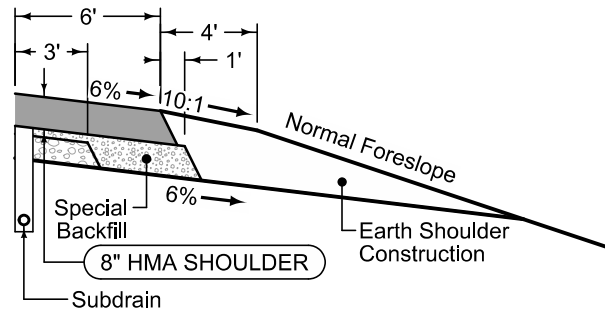
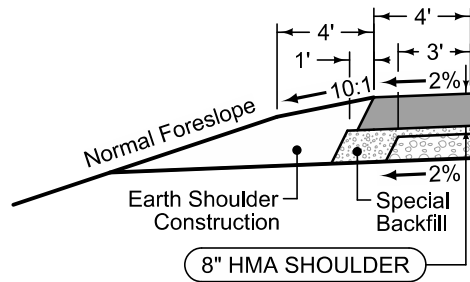


Paved Shoulder Alternates

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at 17' spacing
 HMA Shoulder Jointing:
 Longitudinal joint: B

1L_P_ALT_ 04-21-20	
BEGIN STATION	END STATION

Shoulders Ramps



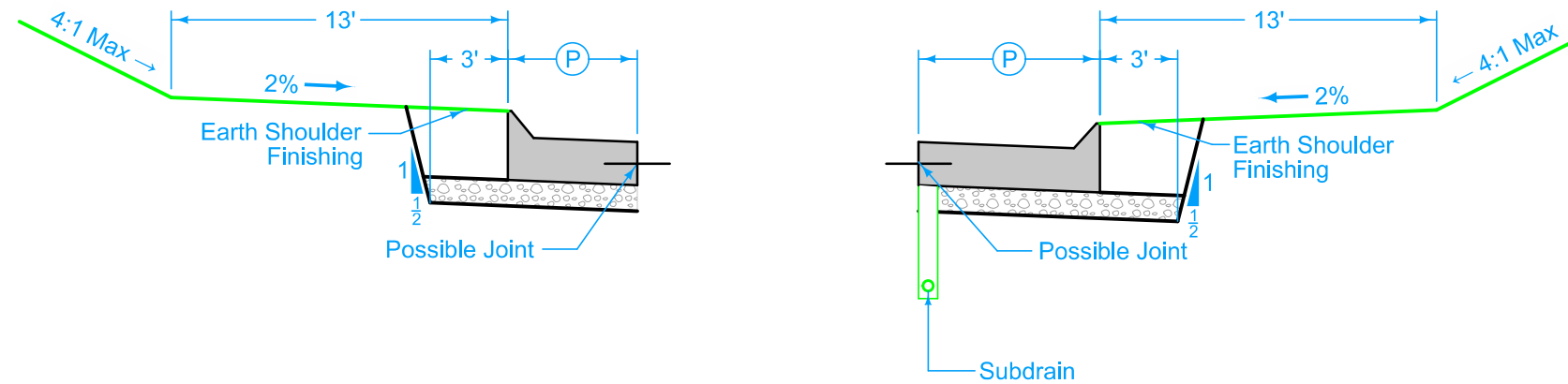
HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1L_P_HMA_ 04-21-20	
BEGIN STATION	END STATION

SHOULDERS

RAMPS



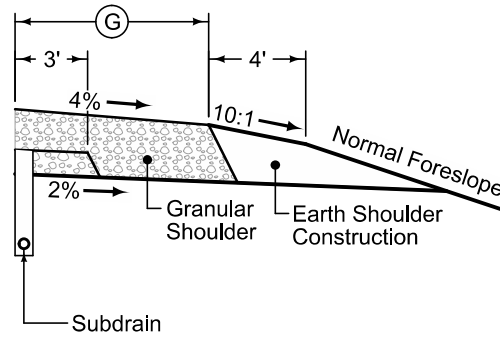
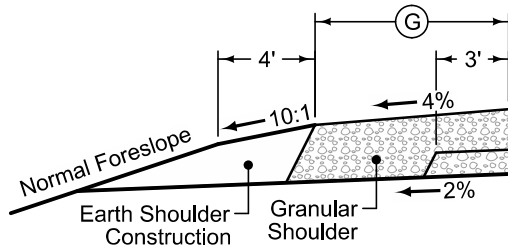
Curbed Shoulder

Shoulder jointing:
 Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 15' spacing
 Single pour: L-2
 Staged: BT-2

1R_Curb_04-15-25			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102

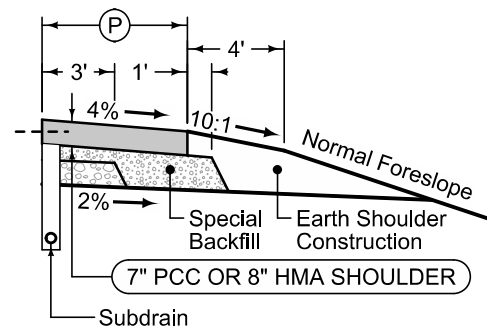
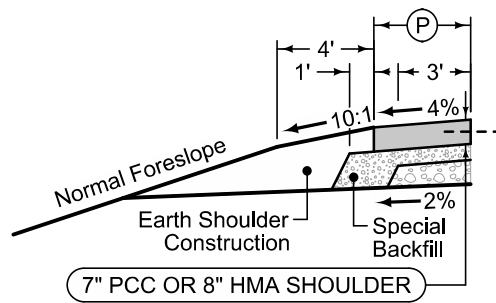
Shoulders Ramps



Granular Shoulder

1R_G_ 10-19-10		
BEGIN STATION	END STATION	(G) Feet

Shoulders Ramps

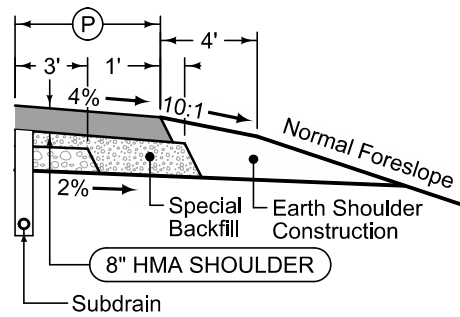
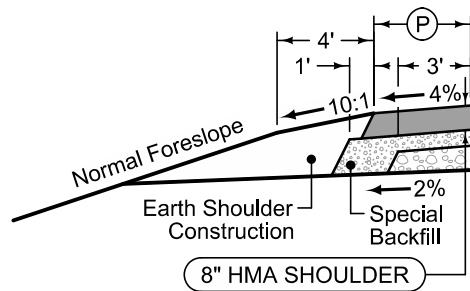


Paved Shoulder Alternates

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at 15' spacing
 HMA Shoulder Jointing:
 Longitudinal joint: B

1R_P_ALT_ 10-16-18		
BEGIN STATION	END STATION	(P) Feet

Shoulders Ramps



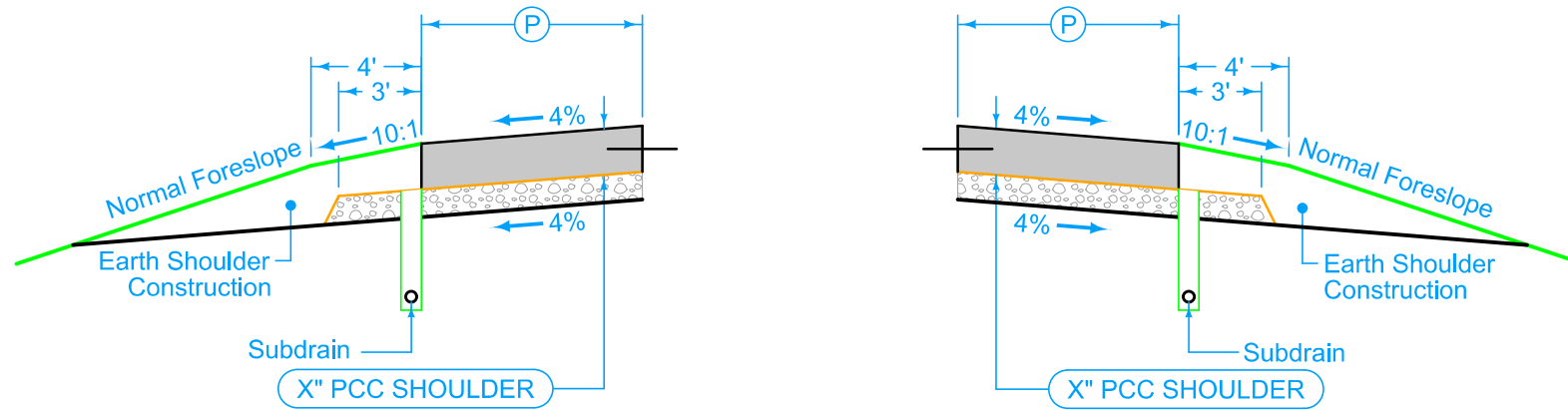
HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_10-19-10		
BEGIN STATION	END STATION	(P) Feet

SHOULDERS

2 LANE

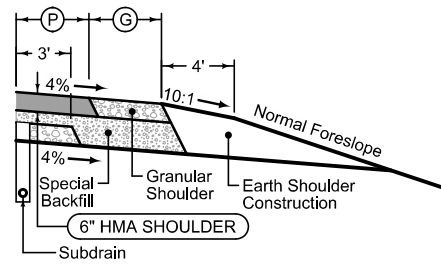
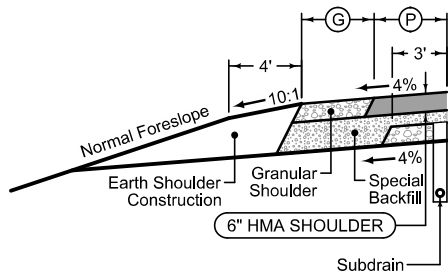


Full Depth PCC Shoulder (Ramp)

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 15' spacing

1R_P_FullPCC_ 4-15-25		
STATION TO STATION	Ⓟ	Feet

Shoulders 2 Lane

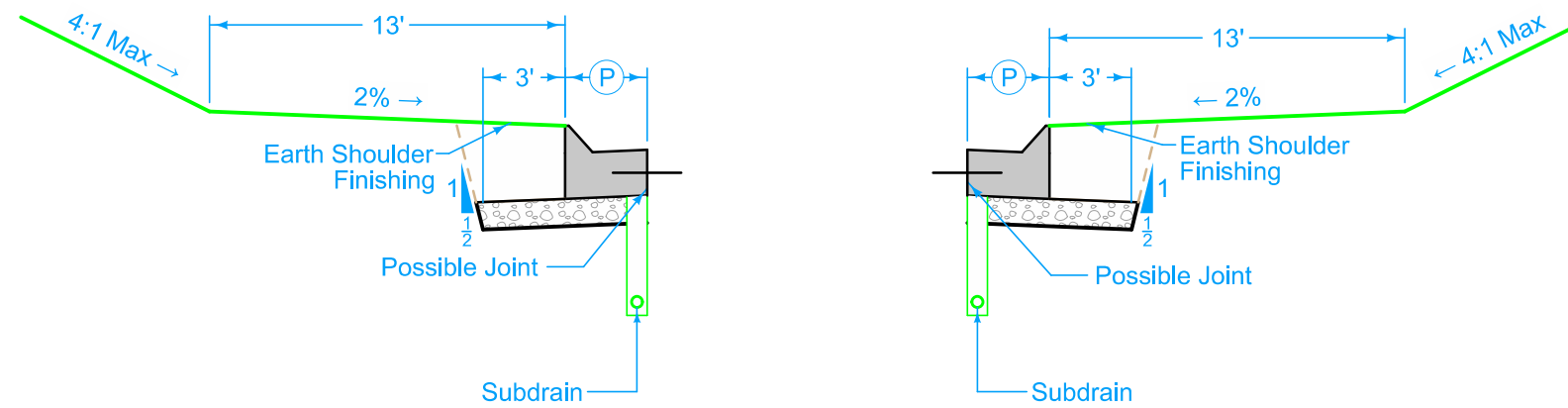


Combination Shoulder

Shoulder Jointing:
Longitudinal joint: B

2_C_ 04-21-20		
STATION TO STATION	(P) Feet	(G) Feet

SHOULDERS 2 LANE



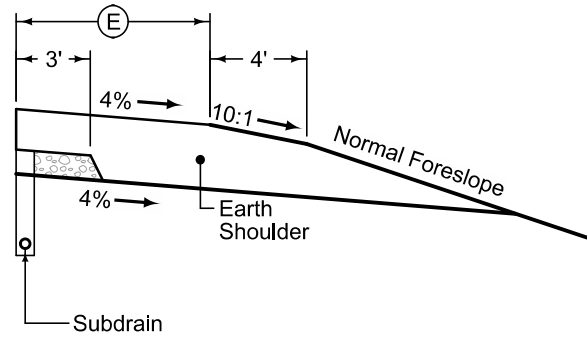
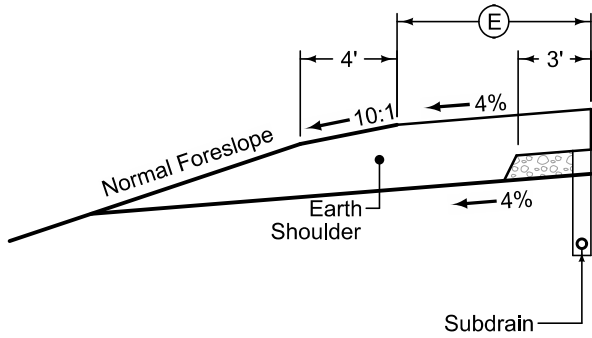
Curbed Shoulder

Shoulder Jointing:
 Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
 Staged : BT-2
 Transverse: C at 17' spacing

			2_Curb_ 04-15-25
STATION TO STATION	(P) Feet	Curb Type See PV-102	

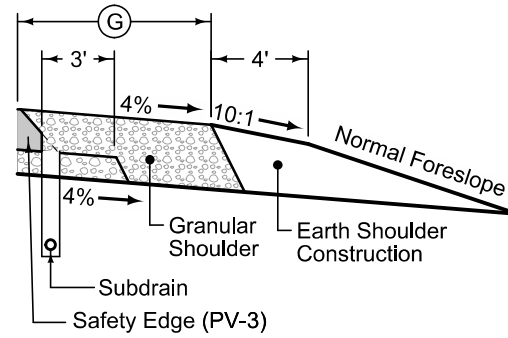
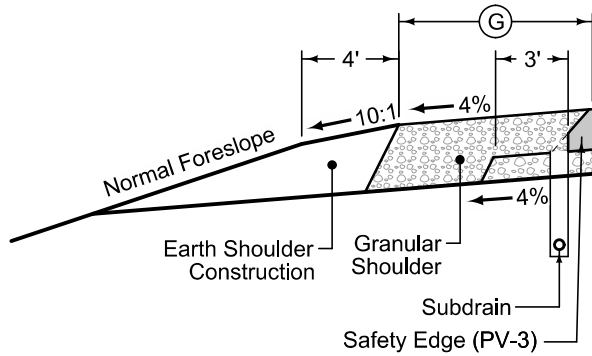
Shoulders 2 Lane



Earth Shoulder

		2_E_ 04-21-20
STATION TO STATION		ⓔ Feet

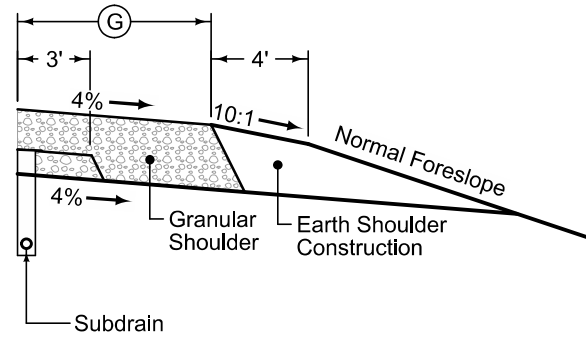
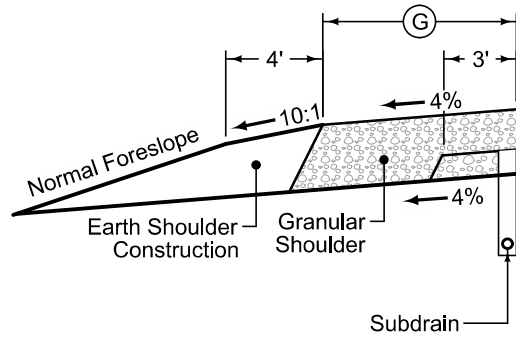
Shoulders 2 Lane



Granular Shoulder with Safety Edge

		2_G_ 04-21-20
STATION TO STATION		Ⓞ Feet

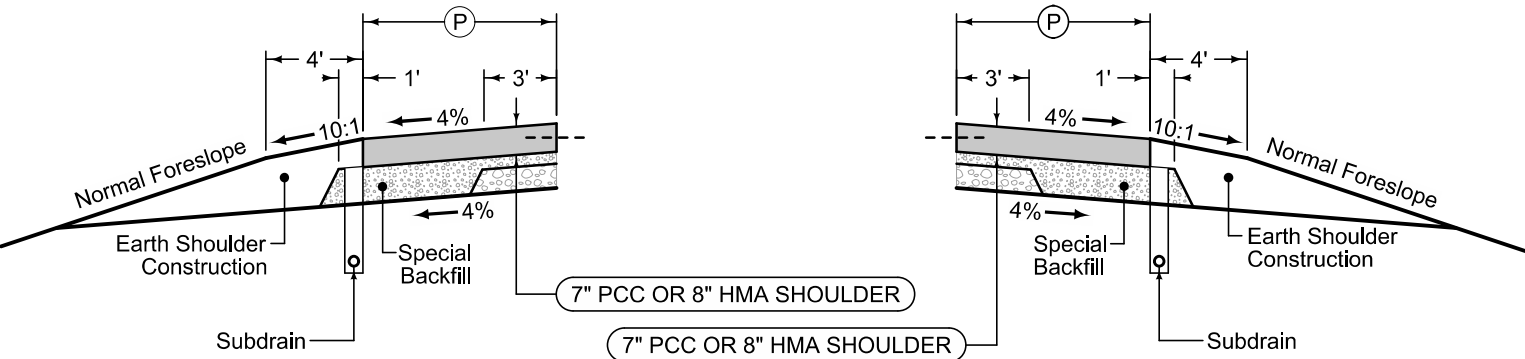
Shoulders 2 Lane



Granular Shoulder

		2_G_SR_ 04-21-20
STATION TO STATION		Ⓞ Feet

Shoulders 2 Lane

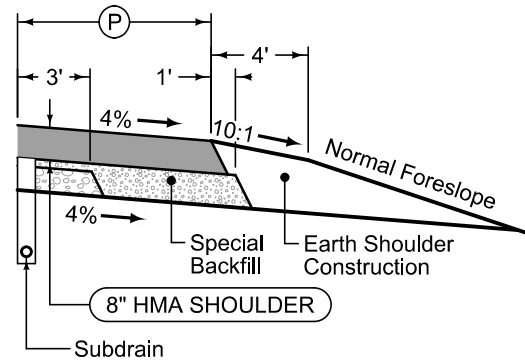
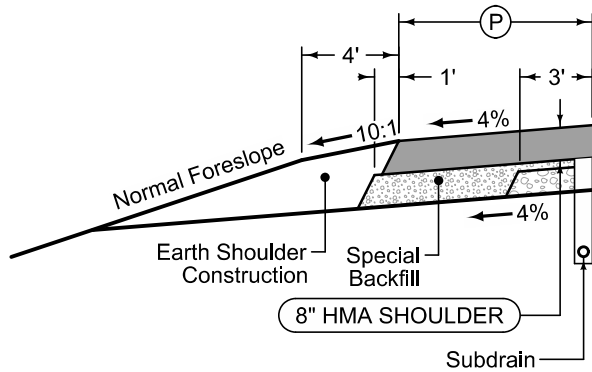


Paved Shoulder Alternates

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at 17' spacing
 HMA Shoulder Jointing:
 Longitudinal joint: B

2_P_ALT_ 04-21-20		(P) Feet
STATION TO STATION		

Shoulders 2 Lane

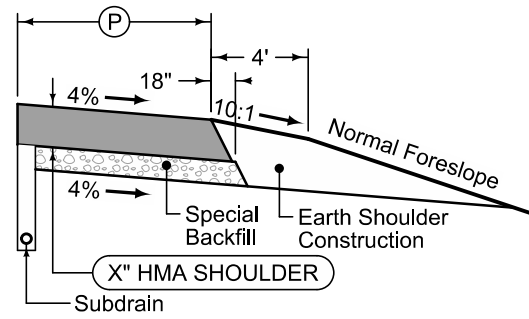
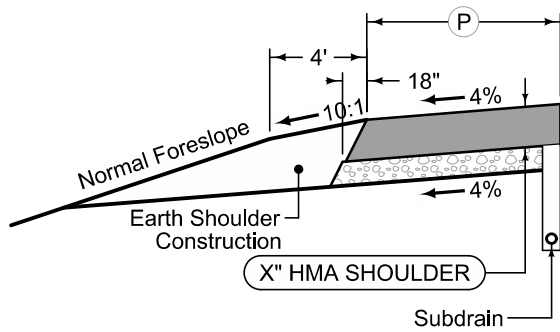


HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		2_P_HMA_ 04-21-20
STATION TO STATION	(P)	Feet

Shoulders 2 Lane



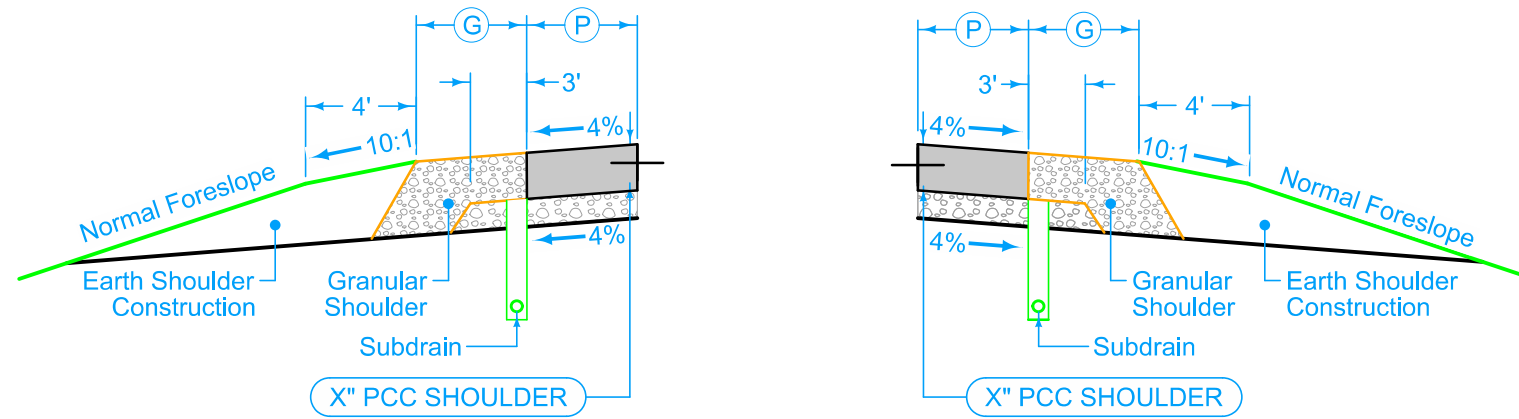
Full Depth HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

2_P_FullHMA_		Ⓟ Feet
04-21-20		
STATION TO STATION		

SHOULDERS

2 LANE



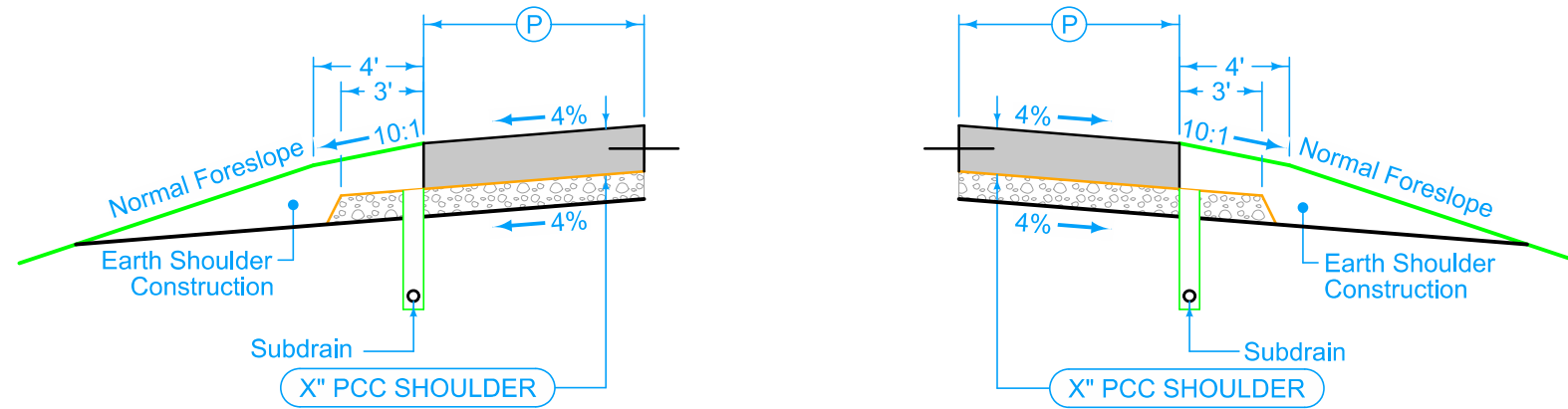
Full Depth PCC Combination Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

2_C_FullPCC_04-15-25			
STATION TO STATION	(P) Feet	(G) Feet	

SHOULDERS

2 LANE

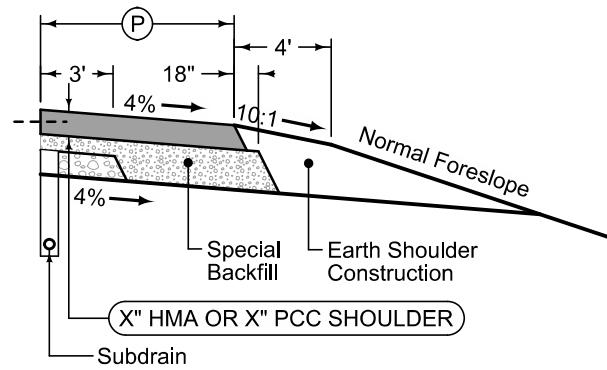
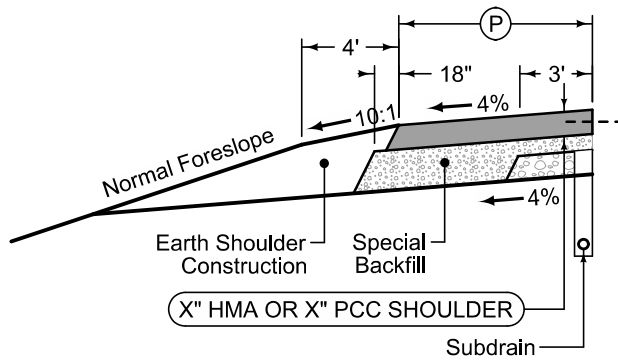


Full Depth PCC Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

2_P_FullPCC_ 04-15-25		
STATION TO STATION		(P) Feet

Shoulders 2 Lane



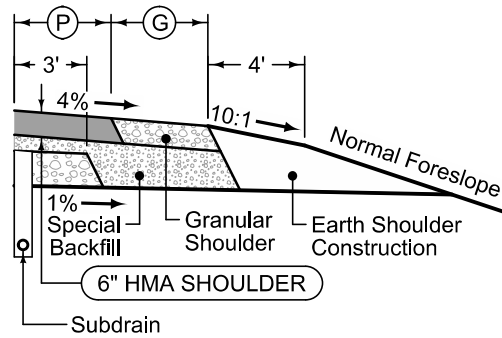
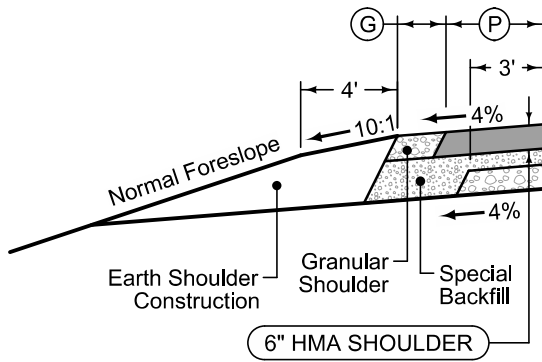
Paved Shoulder at Guardrail

- PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at mainline spacing
- HMA Shoulder Jointing:
Longitudinal joint: B

STATION TO STATION		(P) Feet

2_P_Guard_
04-21-20

Shoulders 4 Lane

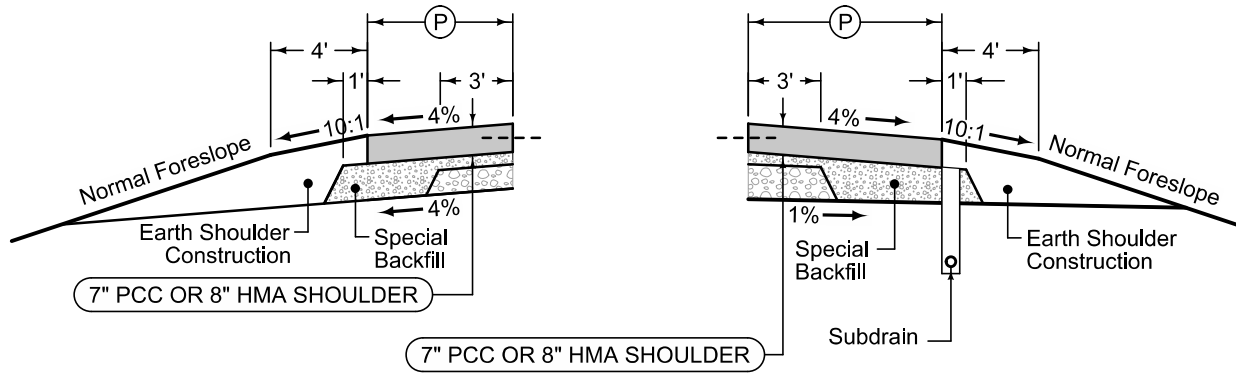


Combination Shoulder

Shoulder Jointing:
Longitudinal joint: B

4_C_ 04-21-20				
Direction of Travel	BEGIN STATION	END STATION	(P) Feet	(G) Feet

Shoulders 4 Lane

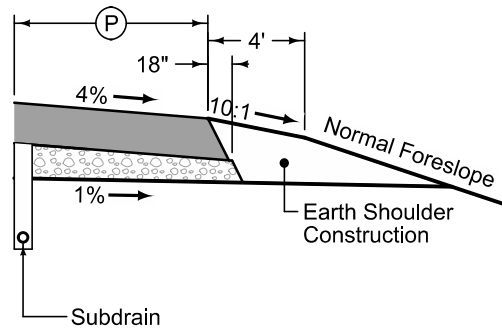
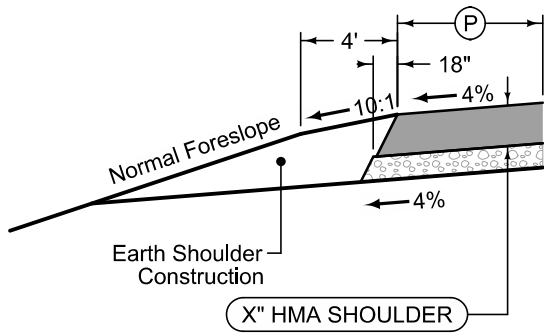


Paved Shoulder Alternates

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at 17' spacing
 HMA Shoulder Jointing:
 Longitudinal joint: B

4_P_ALT_ 04-21-20			
Direction of Travel	BEGIN STATION	END STATION	(P) Feet

Shoulders 4 Lane



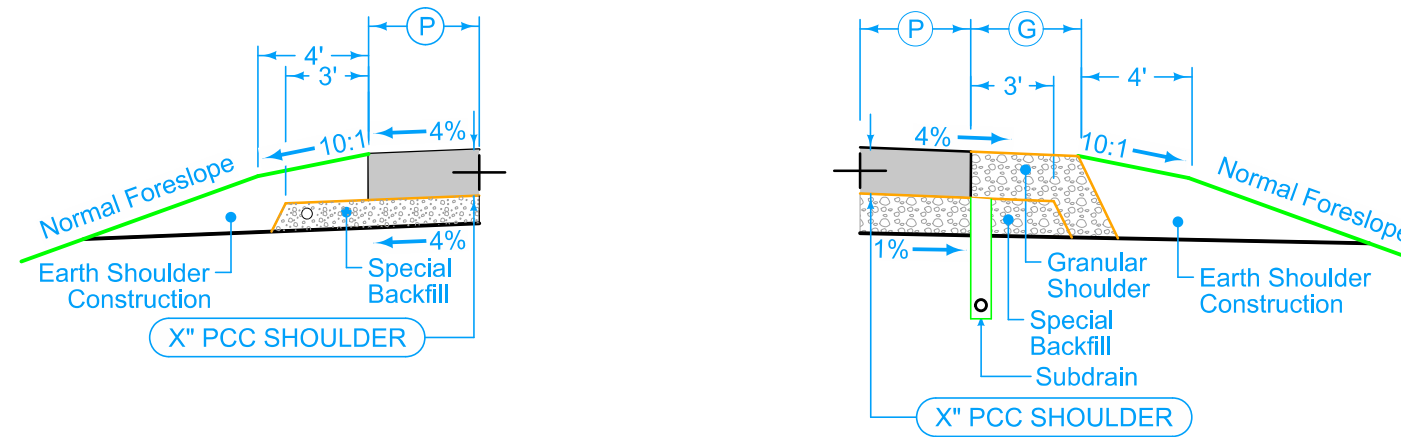
Full Depth HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

4_P_FullHMA_ 04-21-20			
Direction of Travel	BEGIN STATION	END STATION	(P) Feet

SHOULDERS

4 LANE



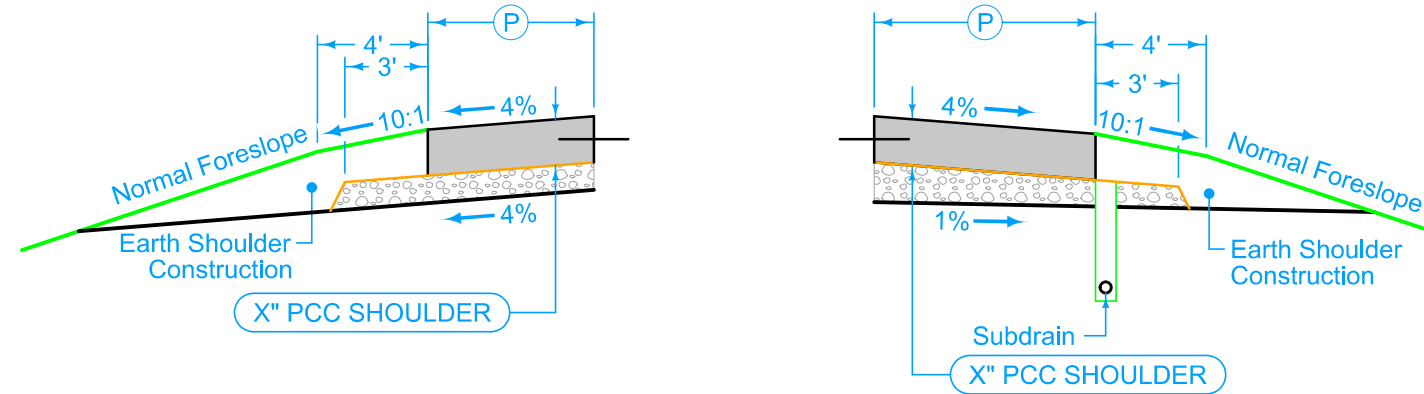
Full Depth PCC Combination Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

4_C_FullPCC_ 04-15-25				
Direction of Travel	BEGIN STATION	END STATION	(P) Feet	(G) Feet

SHOULDERS

4 LANE

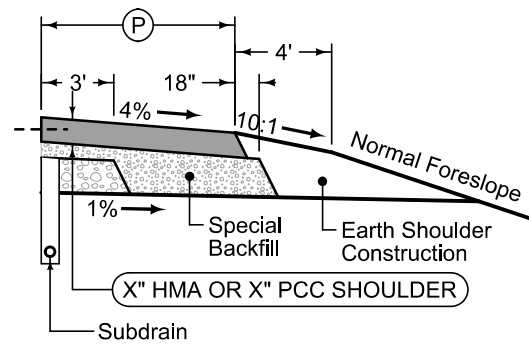
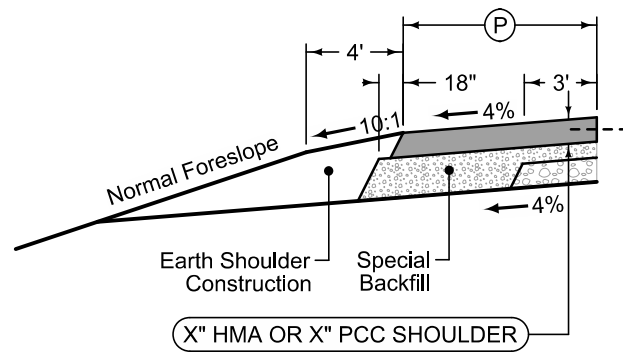


Full Depth PCC Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

4_P_FullPCC_ 04-15-25			
Direction of Travel	BEGIN STATION	END STATION	(P) Feet

Shoulders 4 Lane

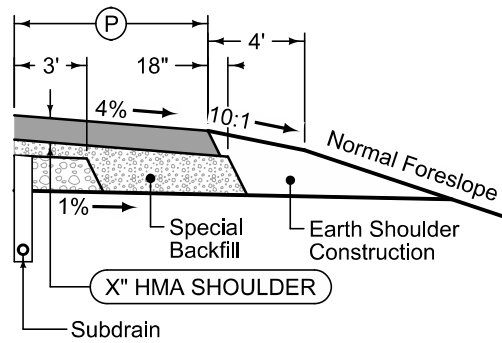
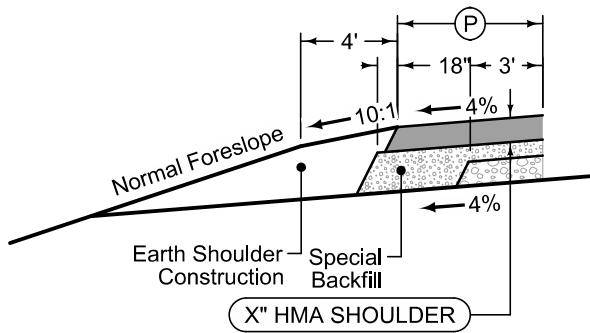


Paved Shoulder at Guardrail

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at mainline spacing
 HMA Shoulder Jointing
 Longitudinal joint: B

4_P_Guard_ 04-21-20			
Direction of Travel	BEGIN STATION	END STATION	P Feet

Shoulders 4 Lane



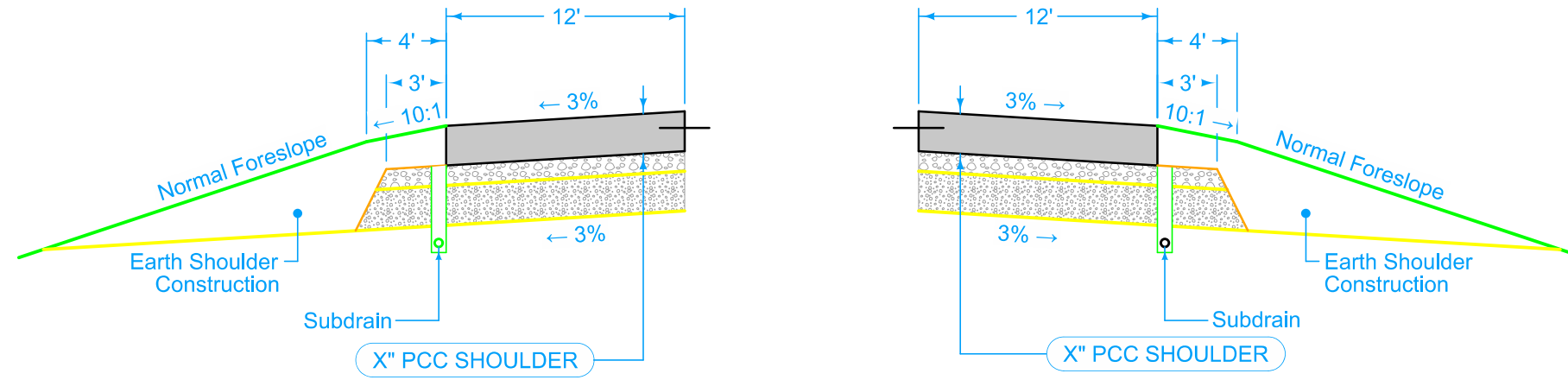
HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

4_P_HMA_ 04-21-20			
Direction of Travel	BEGIN STATION	END STATION	(P) Feet

SHOULDERS

6 LANE



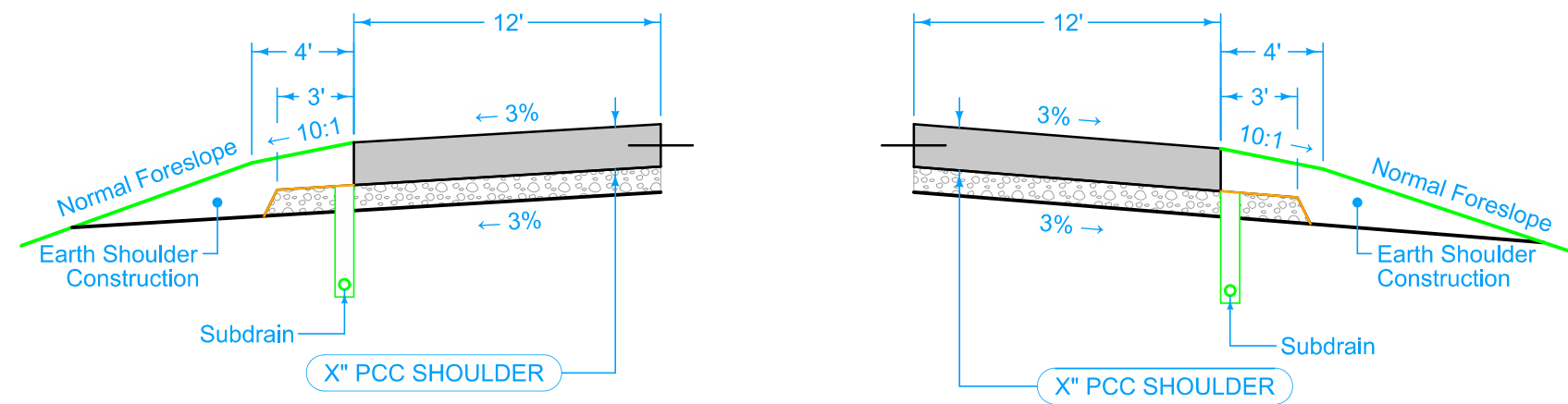
Full Depth PCC Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

6D_Closed_P_FullPCC_ 04-15-25	
BEGIN STATION	END STATION

SHOULDERS

6 LANE



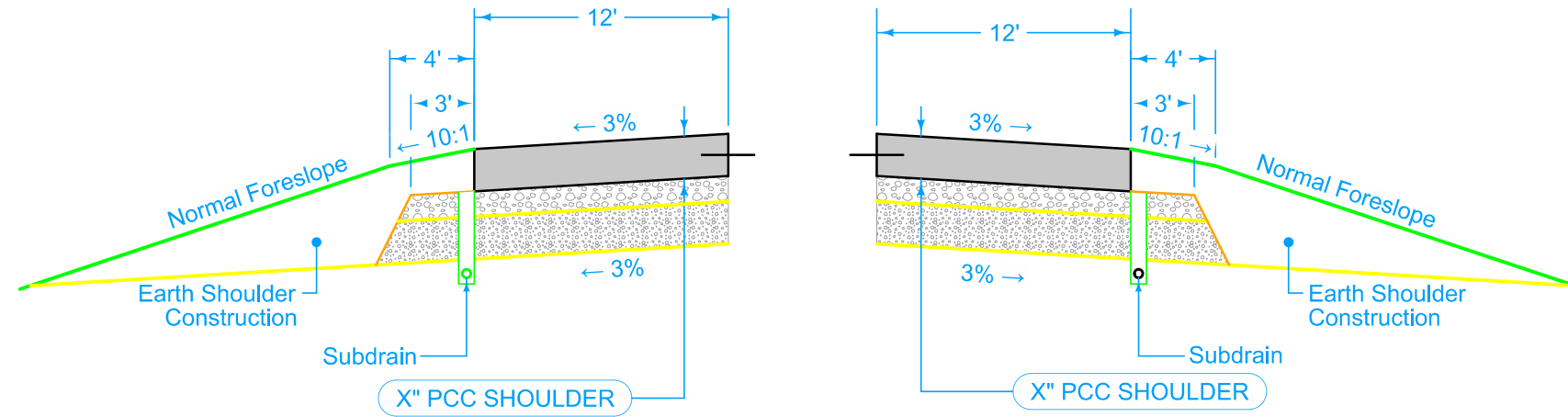
Full Depth PCC Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

6D_Dprs_P_FullPCC_ 04-15-25		
Direction of Travel	BEGIN STATION	END STATION

SHOULDERS

8 LANE



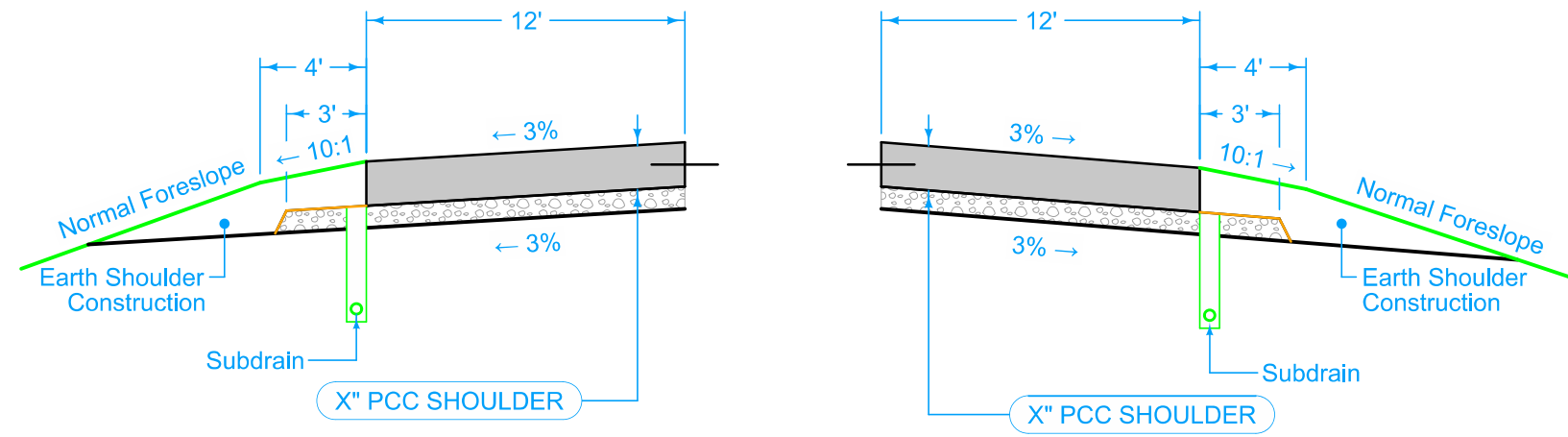
Full Depth PCC Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

8D_Closed_P_FullPCC_ 04-15-25	
BEGIN STATION	END STATION

SHOULDERS

8 LANE

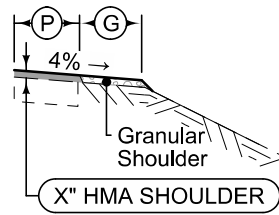
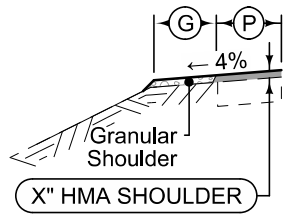


Full Depth PCC Shoulder

Shoulder Jointing:
 Longitudinal joint: BT-2, or L-2
 Transverse joints: C at 17' spacing

8D_Dprs_P_FullPCC_ 04-15-25		
Direction of Travel	BEGIN STATION	END STATION

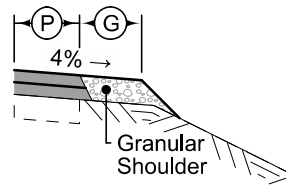
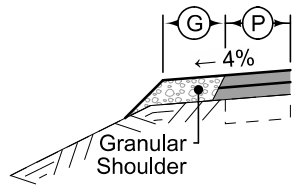
Shoulders 3R



Combination Shoulder

3R_Shldr_C_Milling_ 04-19-11			
STATION TO STATION	(P) Feet	(G) Feet	

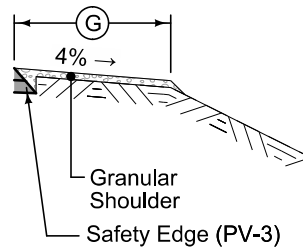
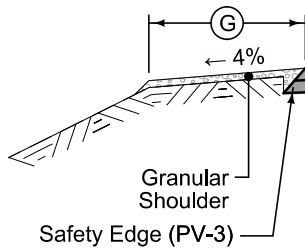
Shoulders 3R



Combination Shoulder

3R_Shldr_C_Overlay_ 04-19-11			
STATION TO STATION	(P) Feet	(G) Feet	

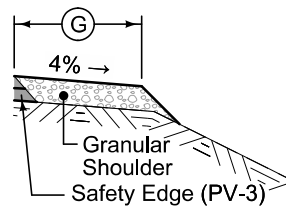
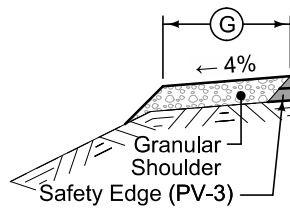
Shoulders 3R



Granular Shoulder

3R_Shldr_G_Milling_ 04-19-11		
STATION TO STATION		G Feet

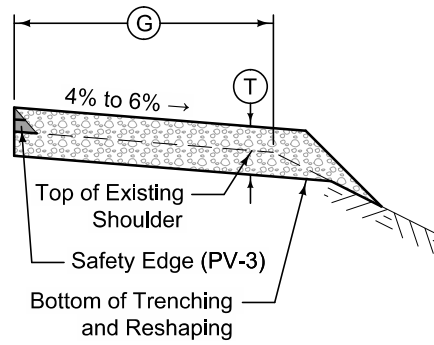
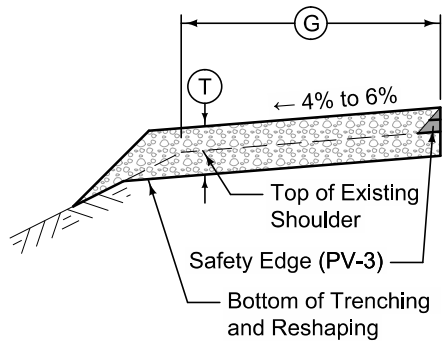
Shoulders 3R



Granular Shoulder

3R_Shldr_G_Overlay_ 04-19-11		
STATION TO STATION		G Feet

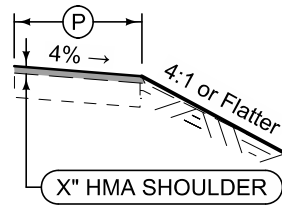
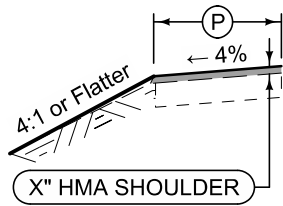
Shoulders 3R



Type 'A' Granular Shoulder

3R_Shldr_G_Overlay_A_				
10-18-11				
STATION TO STATION	TONS PER STA.	(T) Feet	(G) Feet	

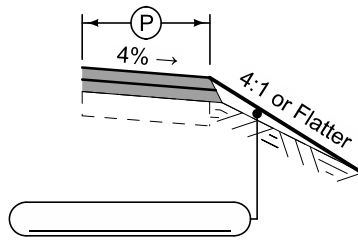
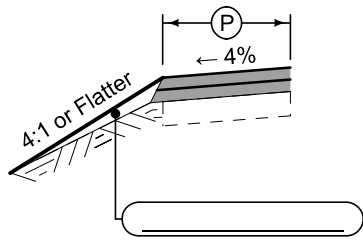
Shoulders 3R



HMA Shoulder

3R_Shldr_P_Milling_ 04-19-11		
STATION TO STATION		(P) Feet

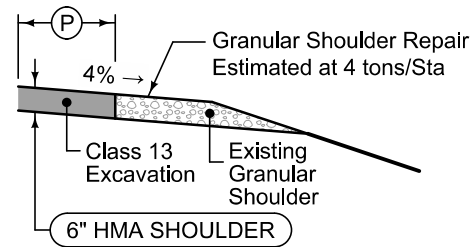
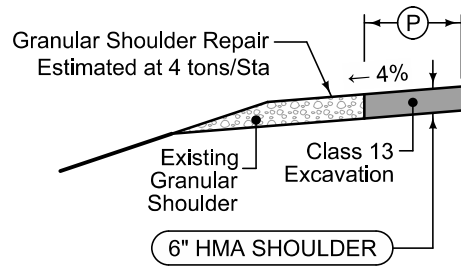
Shoulders 3R



HMA Shoulder

3R_Shldr_P_Overlay_ 04-19-11		
STATION TO STATION		(P) Feet

Shoulders 3R

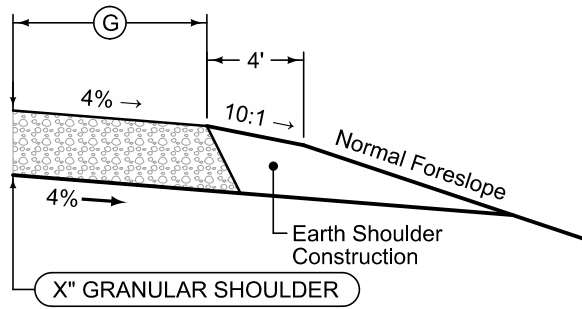
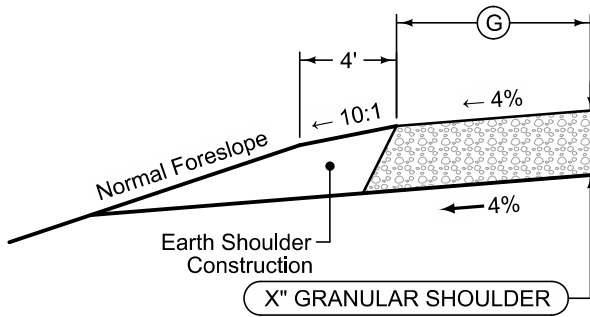


HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

3R_Shldr_Paved_ 04-19-11		
STATION TO STATION		(P) Feet

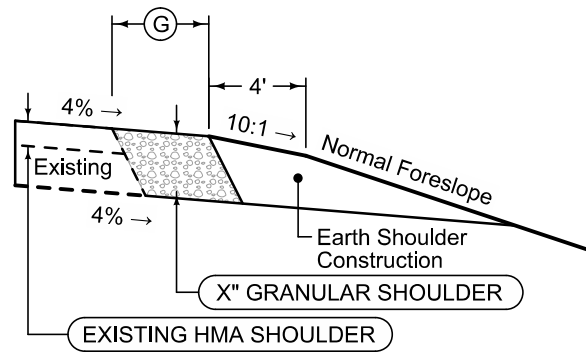
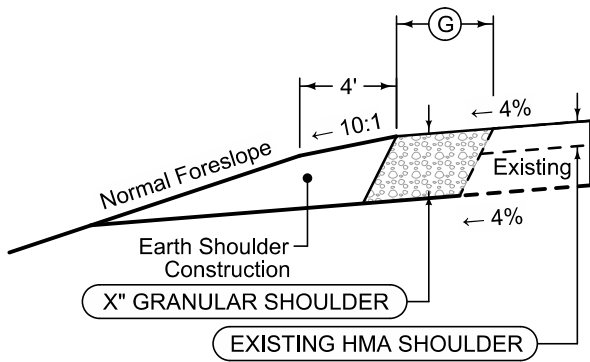
Shoulders Soils



Granular Shoulder for Slide Repair

Soils_1_ 04-21-20			
STATION TO STATION	⊙ Feet	Remarks	

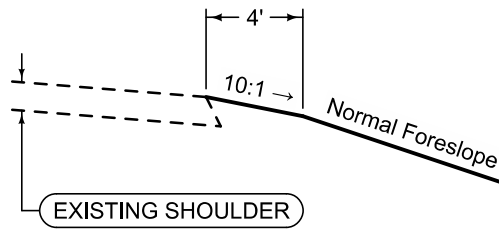
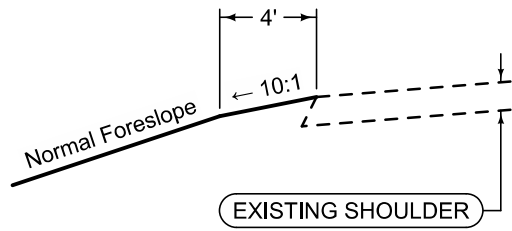
Shoulders Soils



Combination Shoulder for Slide Repair

Soils_2_ 04-21-20			
STATION TO STATION	⊙ Feet	Remarks	

Shoulders Soils



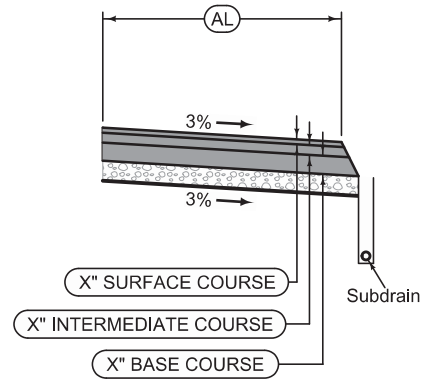
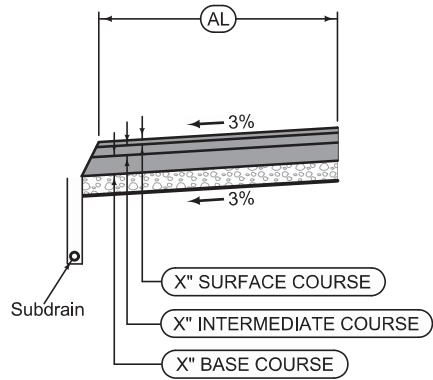
Foreslope Construction for Slide Repair

		Soils_3_ 04-19-11
STATION TO STATION		Remarks

Typical Components - Auxiliary Lanes

Name	Date	Title
2_AuxLane_HMA_ 2_AuxLane_PCC_	10-18-16 04-15-25	2 Lane HMA Auxiliary Lane PCC Auxiliary Lane
4_AuxLane_HMA_ 4_AuxLane_PCC_	10-18-16 04-15-25	4 Lane HMA Auxiliary Lane PCC Auxiliary Lane

Auxiliary Lanes 2 Lane

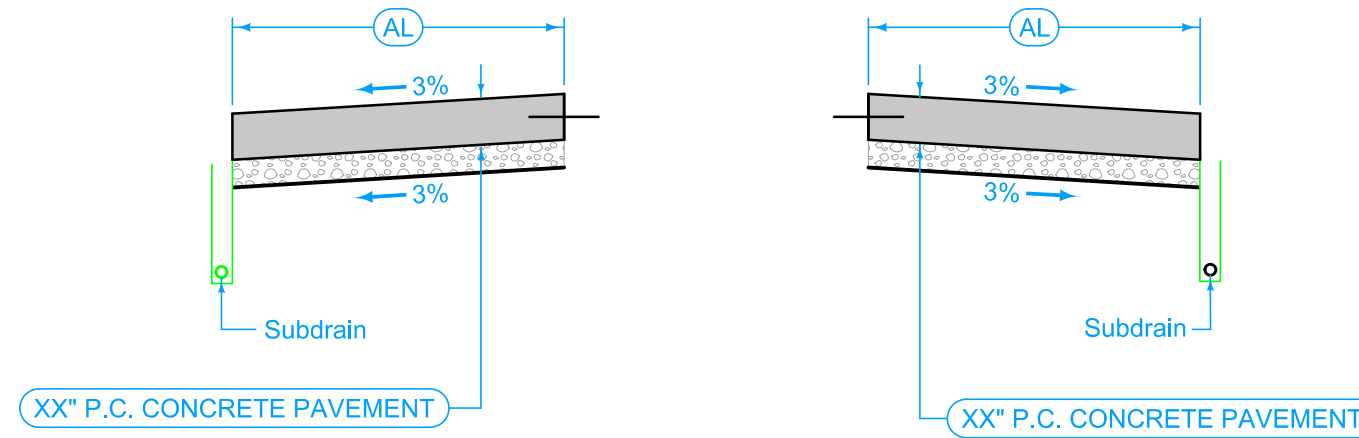


Auxiliary Lane
Longitudinal joint: B

2_AuxLane_HMA_ 10-18-16		
STATION TO STATION		(AL) Feet

AUXILIARY LANES

2 LANE

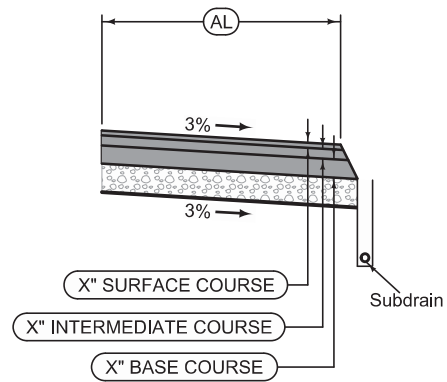
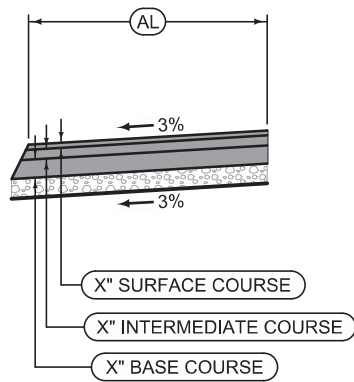


Auxiliary Lane

Longitudinal joint: L or BT
 Transverse joint: Match Mainline

2_AuxLane_PCC_ 04-15-25		
STATION TO STATION	AL	Feet

Auxiliary Lanes 4 Lane



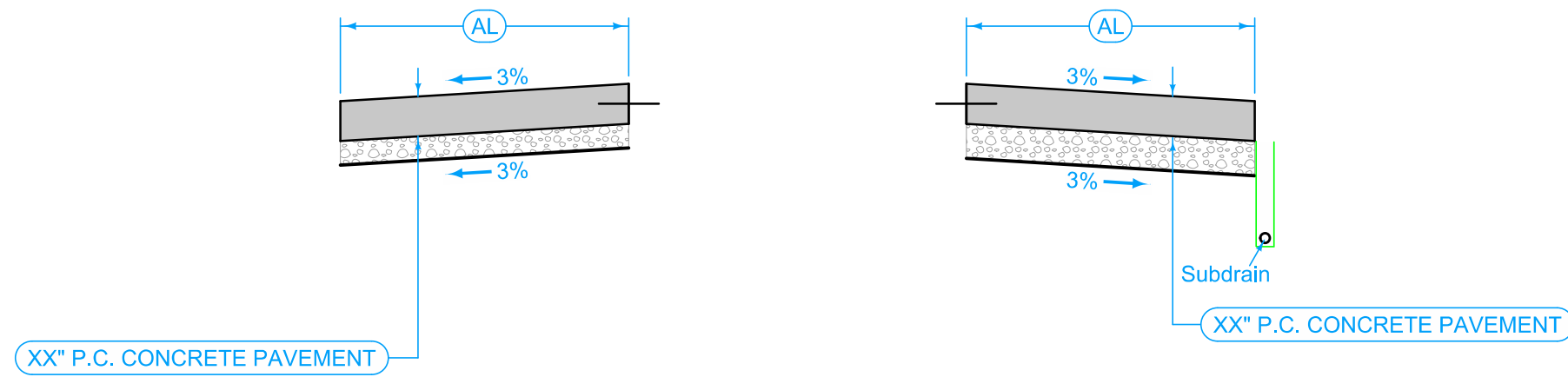
Auxiliary Lane

Longitudinal joint: B

4_AuxLane_HMA_ 10-18-16			
Direction of Travel	BEGIN STATION	END STATION	AL Feet

AUXILIARY LANES

4 LANE



Auxiliary Lane

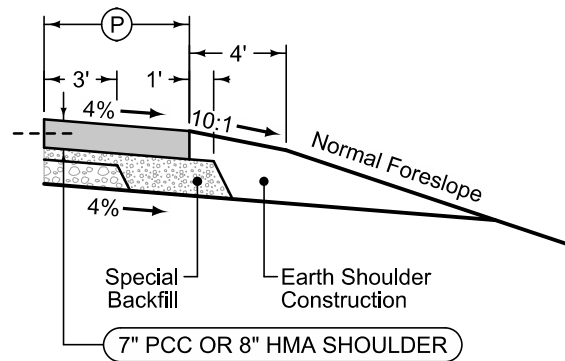
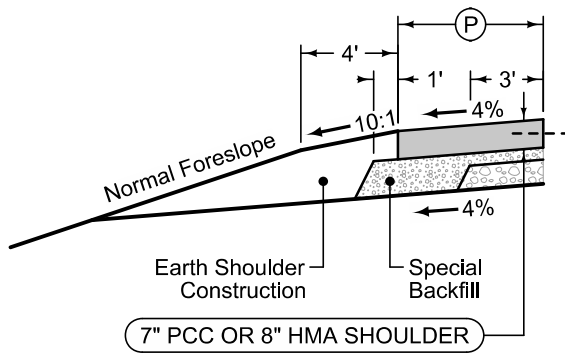
Longitudinal joint: L or BT
 Transverse joint: Match Mainline

4_AuxLane_PCC_ 04-15-25			
Direction of Travel	BEGIN STATION	END STATION	AL Feet

Typical Components - Auxiliary Lane Shoulders

Name	Date	Title
2 Lane		
2_AL_Shldr_ALT_	04-21-20	Paved Shoulder Alternates
2_AL_Shldr_C_	04-21-20	Combination Shoulder
2_AL_Shldr_FullPCC_	04-15-25	Full Depth PCC Shoulder
2_AL_Shldr_G_	04-21-20	Granular Shoulder
2_AL_Shldr_HMA_	04-21-20	HMA Shoulder
4 Lane		
4_AL_Shldr_ALT_	04-21-20	Paved Shoulder Alternates
4_AL_Shldr_C_	04-21-20	Combination Shoulder
4_AL_Shldr_FullPCC_	04-15-25	Full Depth PCC Shoulder
4_AL_Shldr_G_	04-21-20	Granular Shoulder
4_AL_Shldr_HMA_	04-21-20	HMA Shoulder

Auxiliary Lane Shoulders 2 Lane

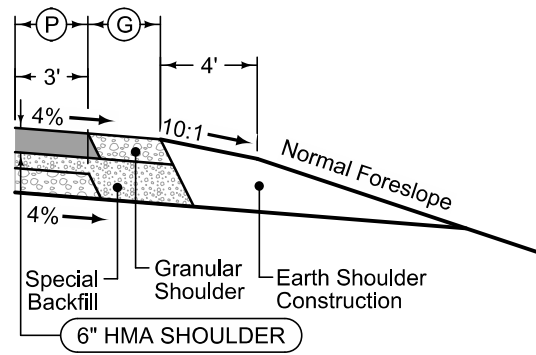
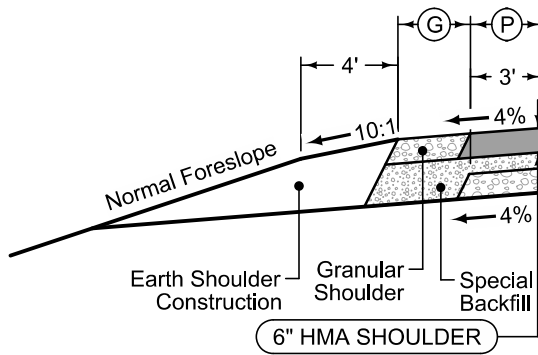


Auxiliary Lane Paved Shoulder Alternates

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at 17' spacing
 HMA Shoulder Jointing:
 Longitudinal joint: B

2_AL_Shldr_ALT_	
04-21-20	
(P)	Feet

Auxiliary Lane Shoulders 2 Lane



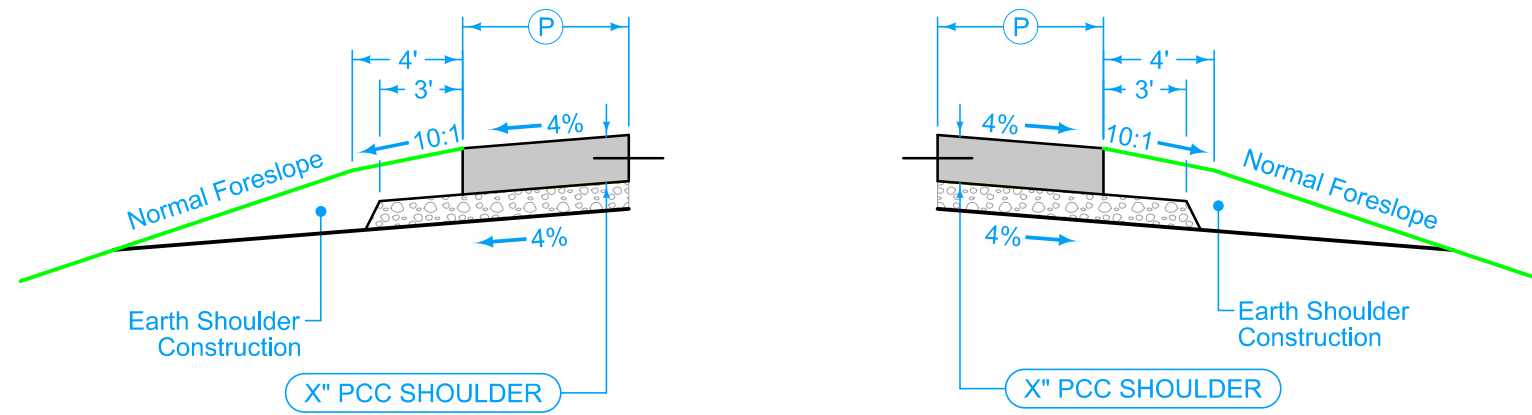
Auxiliary Lane Combination Shoulder

Shoulder Jointing:
Longitudinal joint: B

2_AL_Shldr_C_	
04-21-20	
ⓐ	ⓑ
Feet	Feet

AUXILIARY LANE SHOULDERS

2 LANE



Auxiliary Lane

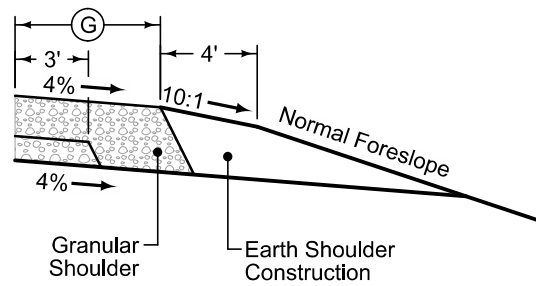
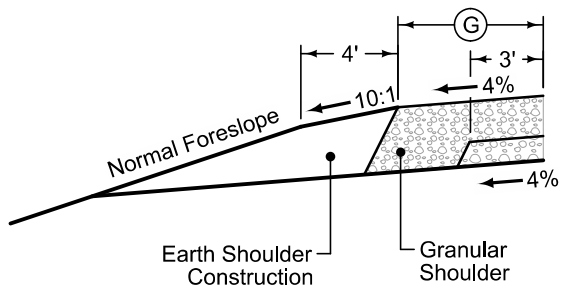
Full Depth Shoulder

Shoulder Jointing:
 Longitudinal joint: L-2
 Transverse joints: C at 17' spacing

2_AL_Shldr_FullPCC_
 04-15-25

P
Feet

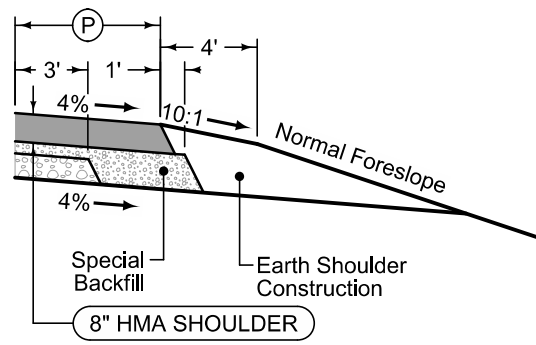
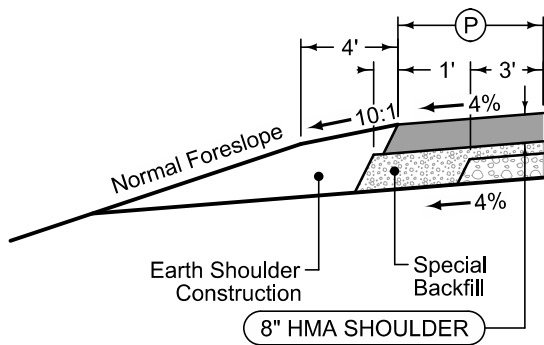
Auxiliary Lane Shoulders 2 Lane



Auxiliary Lane Granular Shoulder

2_AL_Shldr_G_ 04-21-20	
Ⓞ	Feet

Auxiliary Lane Shoulders 2 Lane

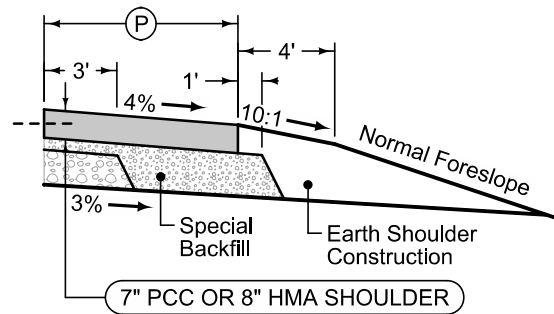
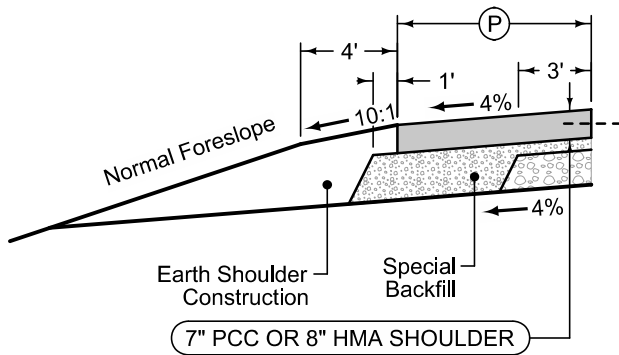


Auxiliary Lane HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

2_AL_Shldr_HMA_	
04-21-20	
(P)	
Feet	

Auxiliary Lane Shoulders 4 Lane

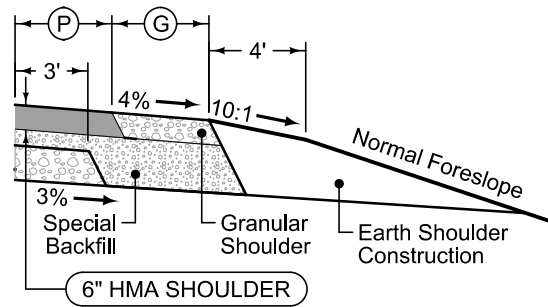
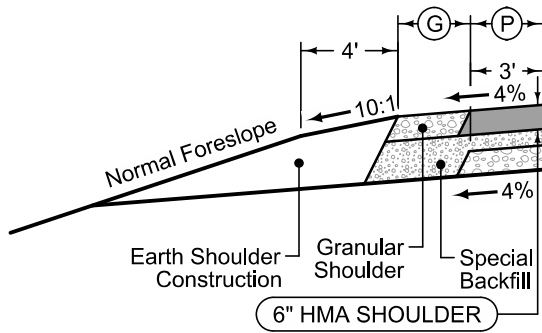


Auxiliary Lane Paved Shoulder Alternates

PCC Shoulder Jointing:
 Longitudinal joint: BT-1 or BT-5
 Transverse joints: C at 17' spacing
 HMA Shoulder Jointing:
 Longitudinal joint: B

4_AL_Shldr_ALT_	
04-21-20	
(P)	
Feet	

Auxiliary Lane Shoulders 4 Lane



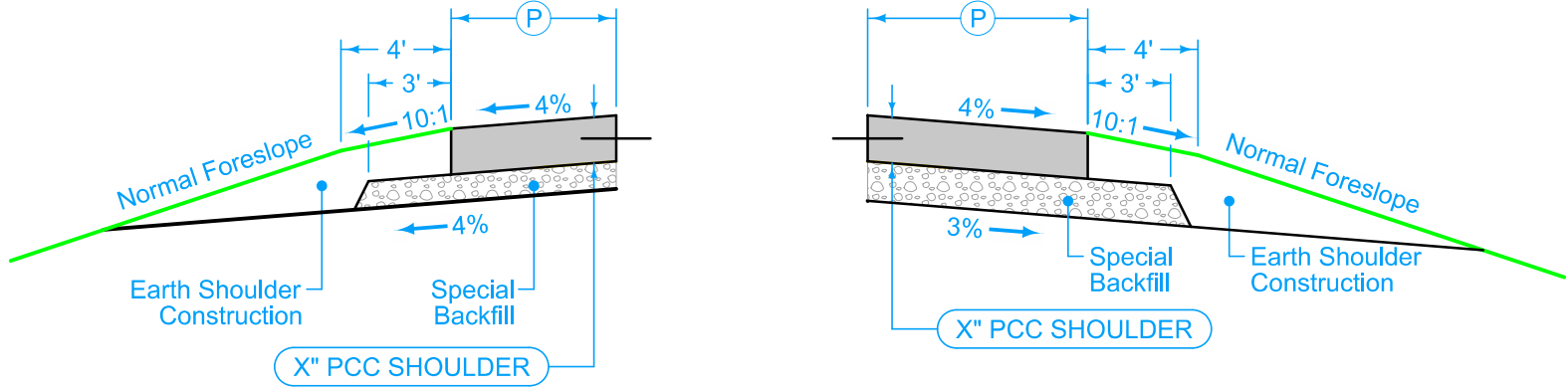
Auxiliary Lane Combination Shoulder

Shoulder Jointing:
Longitudinal joint: B

4_AL_Shldr_C_04-21-20	
(P) Feet	(G) Feet

AUXILIAR LANE SHOULDERS

4 LANE



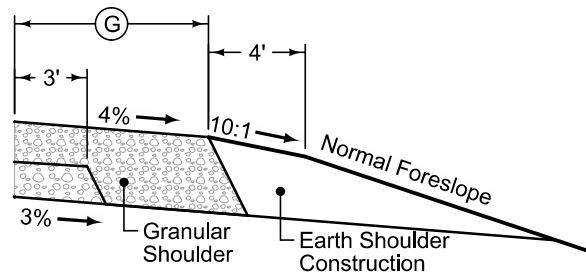
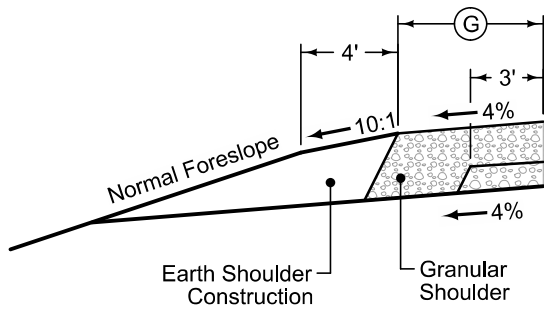
Auxiliary Lane Full Depth Shoulder

Shoulder Jointing:
 Longitudinal joint: L-2
 Transverse joints: C at 17' spacing

4_AL_Shldr_FullPCC_
 04-15-25

(P)
Feet

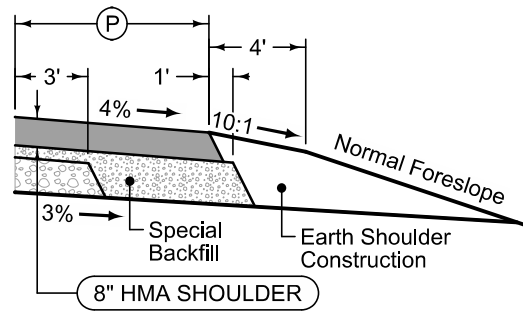
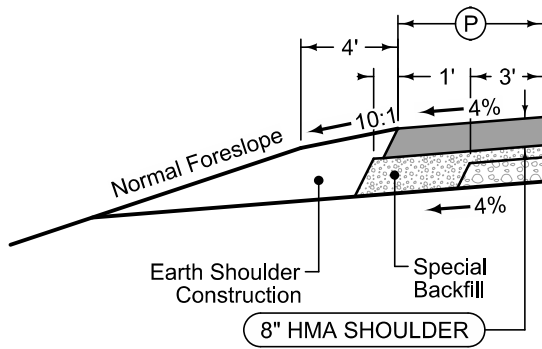
Auxiliary Lane Shoulders 4 Lane



Auxiliary Lane Granular Shoulder

4_AL_Shldr_G_	
04-21-20	
Ⓞ	
Feet	

Auxiliary Lane Shoulders 4 Lane



Auxiliary Lane HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

4_AL_Shldr_HMA_04-21-20	
(P)	Feet