

**INDEX**

SHEET NO.	SUBJECT
1	Public Road Approach Index and General Notes
2	Public Road Approach Type A
3	Public Road Approach Type B
4	Public Road Approach Type A & Type B Table of Values
5	Public Road Approach Type C
6	Public Road Approach Type C Table of Values
7	Public Road Approach Type D
8	Public Road Approach Type D Table of Values
9	Public Road Approach Pay Limit Details
10	Street or Alley Approach PCCP or HMA Mainline Pavement
11	Public Road Approach Overlay Paving Transition

**TABLE A**

Design Speed (mph)	MINIMUM LENGTH OF RIGHT TURN LANE (excluding taper) , ft							
	Downgrade Slope In %				Upgrade Slope In %			
	6 to 5	4.99 to 4	3.99 to 3	2.99 to 0	0 to 2.99	3 to 3.99	4 to 4.99	5 to 6
40	435	410	385	320	320	290	275	260
45	520	495	465	385	385	350	330	310
50	590	560	525	435	435	395	370	350
55	650	615	580	480	480	435	410	385
60	720	680	640	530	530	480	455	425

This sheet replaces Standard Drawing E 610-PRAP-01

**GENERAL NOTES:**

1. Embankment slopes on either side of an approach or drive within the mainline clear zone for new construction/reconstruction projects or the obstruction free zone on 3R projects should conform to the following table:

DESIGN SPEED		≥ 50 mph		≤ 45 (mph)
Design Year AADT		≥ 6000	< 6000	All
Multi-Lane Divided, All Functional Classes	Incoming Slope	10:1	10:1	10:1
	Outgoing Slope	4:1	4:1	4:1
Multi-Lane Undivided, All Functional Classes	Incoming Slope	10:1	6:1	6:1
	Outgoing Slope	4:1	4:1	4:1
2-Lane Arterial or Collector		6:1	6:1	4:1
2-Lane Local Road		4:1	4:1	4:1

Outside the clear zone or the obstruction free zone, the embankment slopes should desirably be 4:1 but not steeper than 3:1.

2. Cross culverts under the public road approach which cannot be located outside the mainline clear zone will require appropriate end treatments at each end as shown on the plans.
3. If the approach is to be constructed of PCCP, the details shall be as shown elsewhere in the plan for thickness, joint type, and location.

INDIANA DEPARTMENT OF TRANSPORTATION

PUBLIC ROAD APPROACH  
INDEX AND GENERAL NOTES

This sheet replaces Standard Drawing E 610-PRAP-02

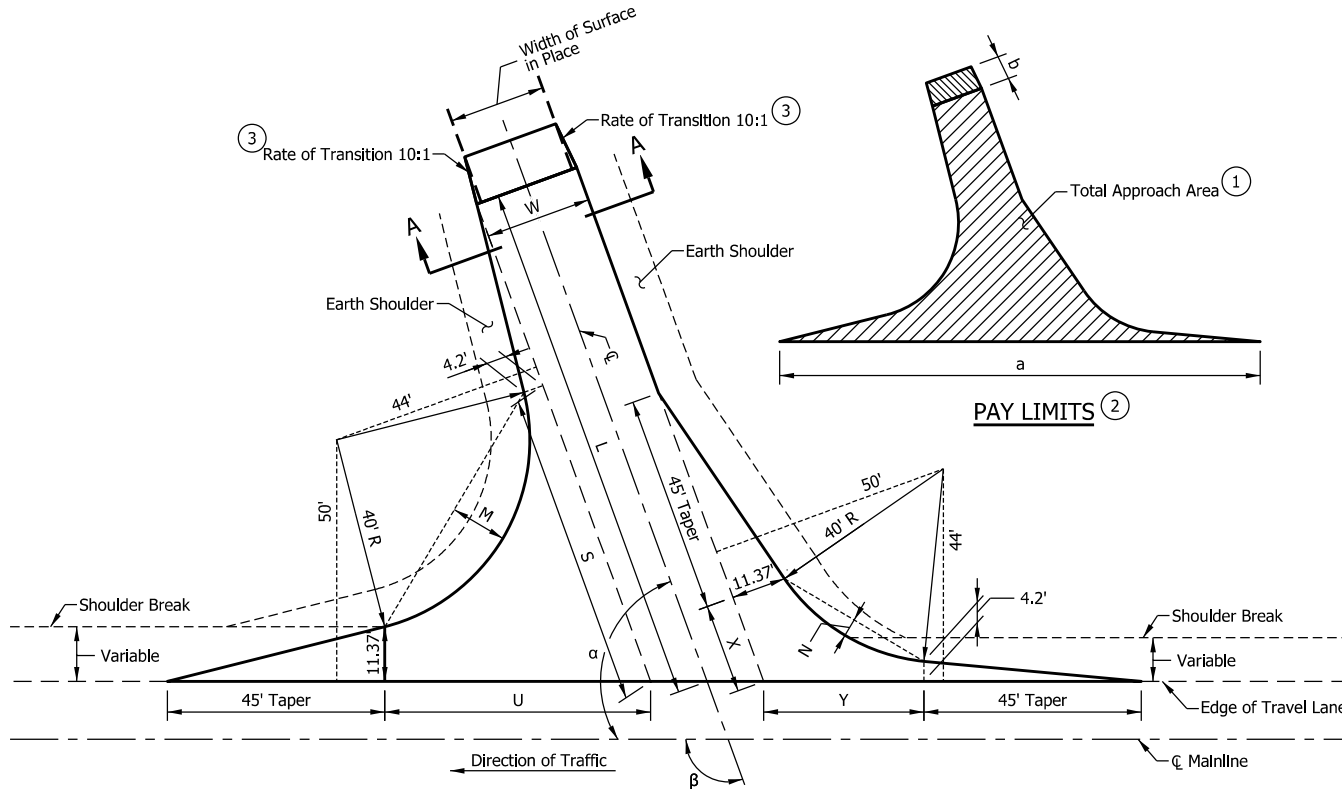
### NOTES:

- 1 See Standard Drawing E 610-PRAP-04 for Table of Values.
- 2 See Table on Standard Drawing E 610-PRAP-09 for additional pay limits details.
- 3 If the existing pavement is asphalt, the transition area shall be the same section as the approach and will be included in the pay limits for HMA for Approaches.
- 4 If the AADTT (Trucks Class 4 and above) is greater than 400 on the public road, the required pavement section shall be as shown elsewhere in the plans.

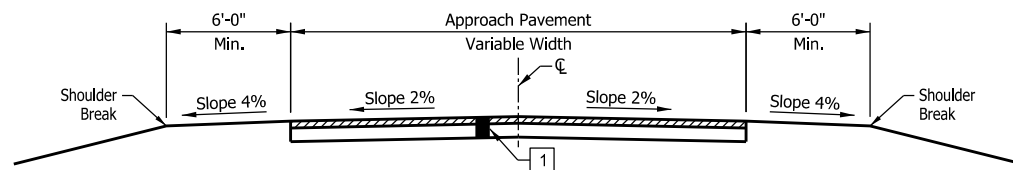
### PAY LIMITS ②

### LEGEND

- ① AADTT  $\leq$  400  
HMA for Approaches, Type B, consisting of:  
165 lbs/syd HMA Surface, Type B, on  
275 lbs/syd HMA Intermediate, Type B, on  
660 lbs/syd HMA Base, Type B, on  
Subgrade Treatment Type II (6" Coarse Aggregate No. 53) on  
Geogrid Type 1B



### PUBLIC ROAD APPROACH TYPE A




### SECTION A-A MINIMUM PAVEMENT SECTION ④

INDIANA DEPARTMENT OF TRANSPORTATION

PUBLIC ROAD APPROACH  
TYPE A

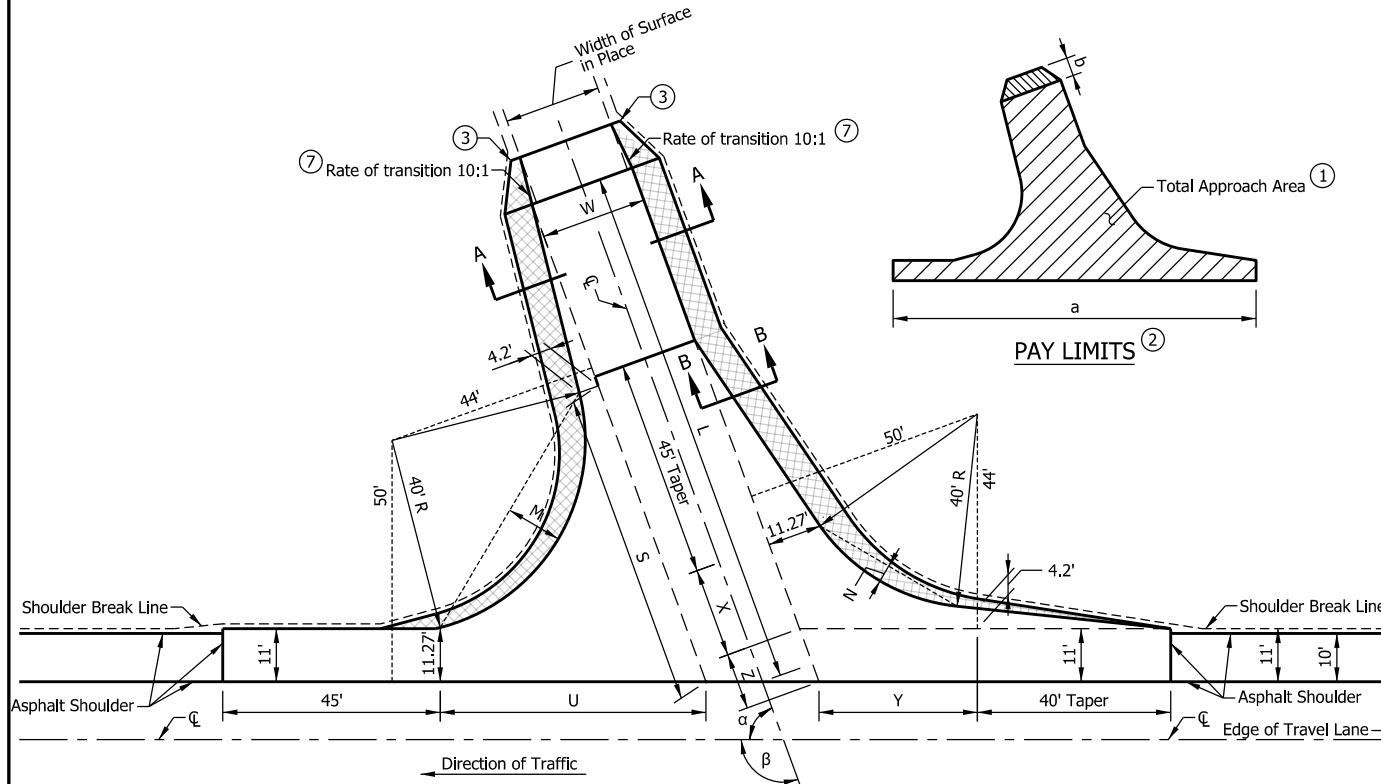
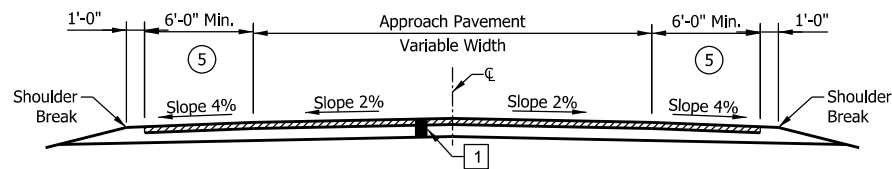
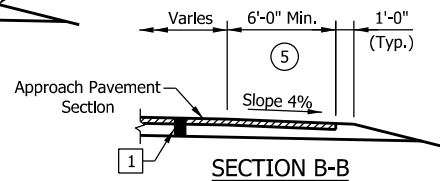
This sheet replaces Standard Drawing E 610-PRAP-03

**NOTES:**

- ① See Standard Drawing E 610-PRAP-04 for Table of Values.
- ② See Standard Drawing E 610-PRAP-09 for pay limits details.
- ③ Match existing shoulder width. Minimum width is 2'-0".
- ④ If the AADTT (Trucks Class 4 and above) is greater than 400 on the public road, the required pavement section shall be as shown elsewhere in the plans.
- ⑤ The minimum shoulder width should match the existing public road or be 6'-0", which ever is larger.
6. The cross hatch  shoulder area indicates the limits where the shoulder is the same as the approach pavement.
- ⑦ If the existing pavement is asphalt, the transition area shall be the same section as the approach and will be included in the pay limits for HMA for Approaches.

**LEGEND**

- ① AADTT  $\leq$  400  
HMA for Approaches, Type B, consisting of:  
165 lbs/syd HMA Surface, Type B, on  
275 lbs/syd HMA Intermediate, Type B, on  
660 lbs/syd HMA Base, Type B, on  
Subgrade Treatment Type II (6" Coarse Aggregate No. 53) on  
Geogrid Type IB


**PUBLIC ROAD APPROACH TYPE B****SECTION A-A MINIMUM PAVEMENT SECTION****SECTION B-B**

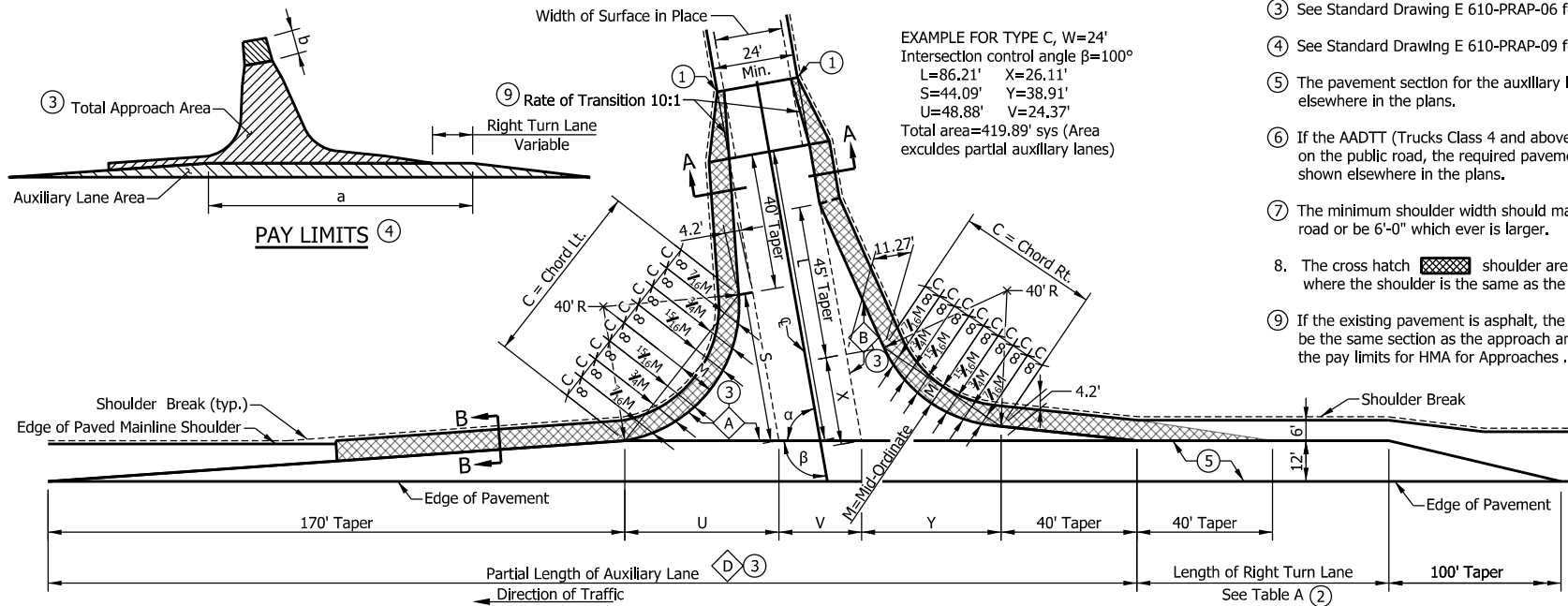
INDIANA DEPARTMENT OF TRANSPORTATION

PUBLIC ROAD APPROACH  
TYPE B

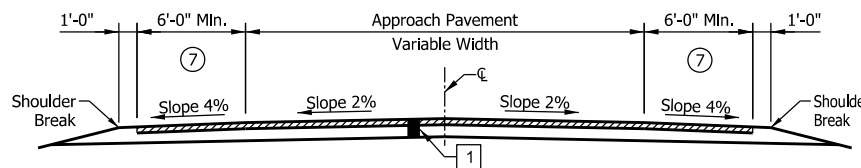
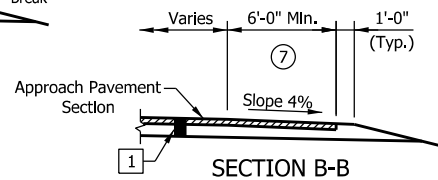
This sheet replaces Standard Drawing E 610-PRAP-05

**NOTES:**

- ① Match existing shoulder width. Minimum width is 2'-0"
- ② See Standard Drawing E 610-PRAP-01 for Table A.
- ③ See Standard Drawing E 610-PRAP-06 for Table of Values.
- ④ See Standard Drawing E 610-PRAP-09 for pay limits details.
- ⑤ The pavement section for the auxiliary lane shall be as detailed elsewhere in the plans.
- ⑥ If the AADTT (Trucks Class 4 and above) is greater than 400 on the public road, the required pavement section shall be shown elsewhere in the plans.
- ⑦ The minimum shoulder width should match the existing public road or be 6'-0" which ever is larger.
- ⑧ The cross hatch  shoulder area indicates the limits where the shoulder is the same as the approach pavement.
- ⑨ If the existing pavement is asphalt, the transition area shall be the same section as the approach and will be included in the pay limits for HMA for Approaches.

**PUBLIC ROAD APPROACH TYPE C****LEGEND**

- ① AADTT  $\leq 400$   
HMA for Approaches, Type B, consisting of:  
165 lbs/syd HMA Surface, Type B, on  
275 lbs/syd HMA Intermediate, Type B, on  
660 lbs/syd HMA Base, Type B, on  
Subgrade Treatment, Type II (6" Coarse Aggr. No. 53) on  
Geogrid Type IB


**SECTION A-A MINIMUM PAVEMENT SECTION****SECTION B-B**

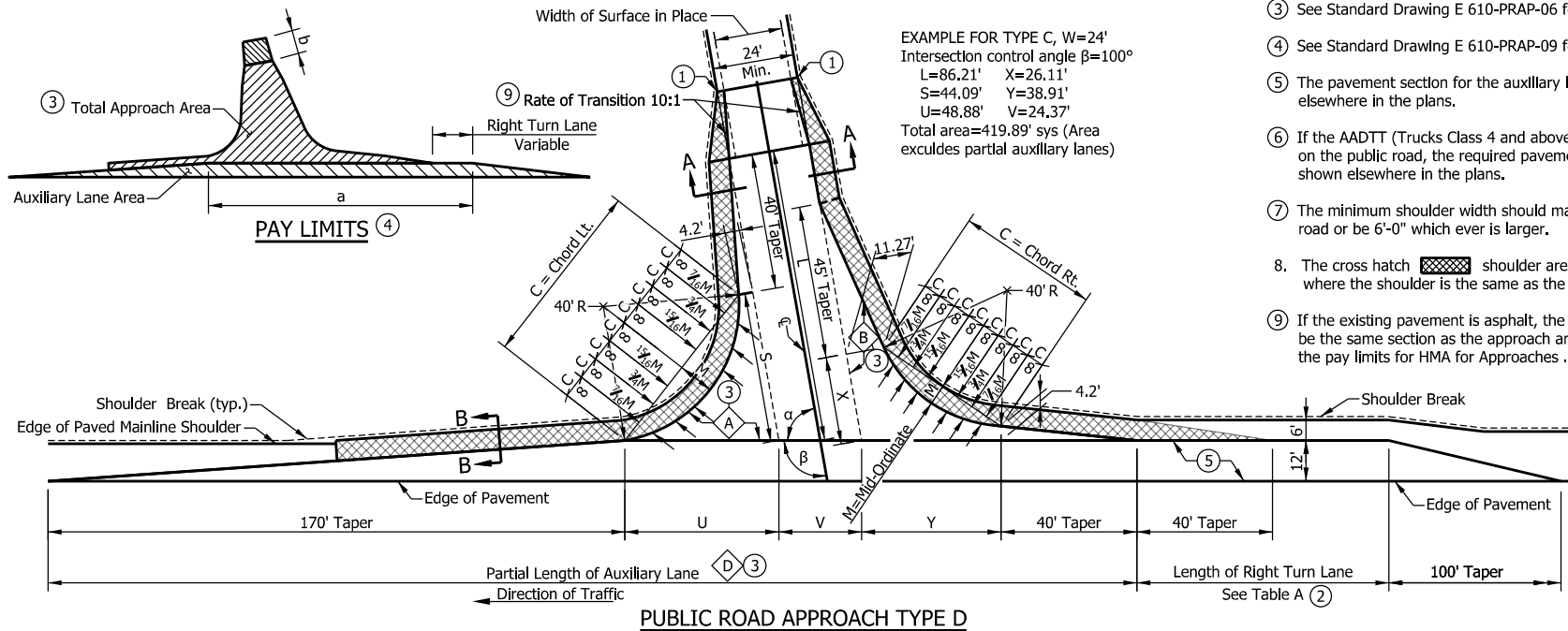
INDIANA DEPARTMENT OF TRANSPORTATION

PUBLIC ROAD APPROACH  
TYPE C

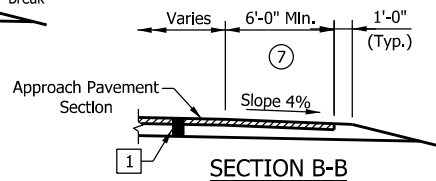
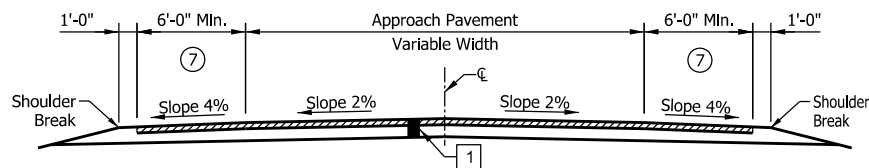
This sheet replaces Standard Drawing E 610-PRAP-07

**NOTES:**

- ① Match existing shoulder width. Minimum width is 2'-0"
- ② See Standard Drawing E 610-PRAP-01 for Table A.
- ③ See Standard Drawing E 610-PRAP-06 for Table of Values.
- ④ See Standard Drawing E 610-PRAP-09 for pay limits details.
- ⑤ The pavement section for the auxiliary lane shall be as detailed elsewhere in the plans.
- ⑥ If the AADTT (Trucks Class 4 and above) is greater than 400 on the public road, the required pavement section shall be shown elsewhere in the plans.
- ⑦ The minimum shoulder width should match the existing public road or be 6'-0" which ever is larger.
- ⑧ The cross hatch  shoulder area indicates the limits where the shoulder is the same as the approach pavement.
- ⑨ If the existing pavement is asphalt, the transition area shall be the same section as the approach and will be included in the pay limits for HMA for Approaches.

**LEGEND**

- ① AADTT  $\leq 400$   
HMA for Approaches, Type B, consisting of:  
165 lbs/syd HMA Surface, Type B, on  
275 lbs/syd HMA Intermediate, Type B, on  
660 lbs/syd HMA Base, Type B, on  
Subgrade Treatment, Type II (6" Coarse Aggr. No. 53) on  
Geogrid Type IB



INDIANA DEPARTMENT OF TRANSPORTATION

PUBLIC ROAD APPROACH  
TYPE D