GENERAL NOTES

1. The Type D Public Road Approach is designed to accommodate the Indiana Single (legal maximum) design vehicle with a 13.7 m turning radius. The Type D Public Road Approach shall be used at the intersection of two state or U.S. highways and at the approach to a public road serving a heavy industrial area or truck stop.

2. Intersection control angles less than 70 degrees or greater than 110 degrees require a special design using the Indiana Single (legal maximum) design vehicle with a 13.7 m turning radius.

(3) Embankment slopes of the approach within the mainline Clear Zone shall be based on the functional classification of the public road as shown on Standard Drawing 610-PRAP-08.

4. Cross culverts under the public road approach which cannot be located outside the mainline Clear Zone shall require grated box end sections at both ends.

(5) The tapered transitions from the new approach to the existing pavement shall be aggregate for existing aggregate pavements. When the existing pavement is bituminous, the Transition Area shall be the same section as the approach and will be included in the pay limits for Bituminous Mixture for Approaches.

(6) The cross hatched  shoulder area indicates the limits where the shoulder is the same as the approach pavement.

7. If the approach is to be constructed of concrete, the details shall be as shown elsewhere in the plans for pavement thickness, joint type and location.

8. Curb ramps as shown on Standard Drawing 604-SWCR-01 through -14 shall be required where sidewalks intersect the concrete curb at street approaches.

9. Where the truck traffic count of the public road approach is greater than 50 per day, the required pavement section shall be as provided elsewhere in the plans.

(10) The pavement section for the turn lane shall be as shown elsewhere in the plans.

TABLE A

Minimum Length of turning Lanes (excluding taper)

Design Speed	Downgrade					Upgrade				
	6% to 5%	4.99% to 4%	3.99% to 3%	2.99% to 2.01%	2.00% to 0%	0% to 2.00%	2% to 2.99%	3% to 3.99%	4% to 4.99%	5% to 6%
km/h	m	m	m	m	m	m	m	m	m	m
60	130	125	115	105	95	95	90	85	80	75
80	185	175	165	150	135	135	130	120	115	110
100	225	215	200	185	165	165	160	150	140	135
110	250	240	225	205	185	185	180	170	160	150

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

PUBLIC ROAD APPROACH TYPE D GENERAL NOTES & TABLE A

JANUARY 1998

STANDARD DRAWING NO. **610-PRAP-11**

Archived

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DESIGN STANDARDS ENGINEER DATE

/s/ Donald W. Lucas 1-02-98
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER

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