

TYPICAL PAVEMENT PLAN

GENERAL NOTES:

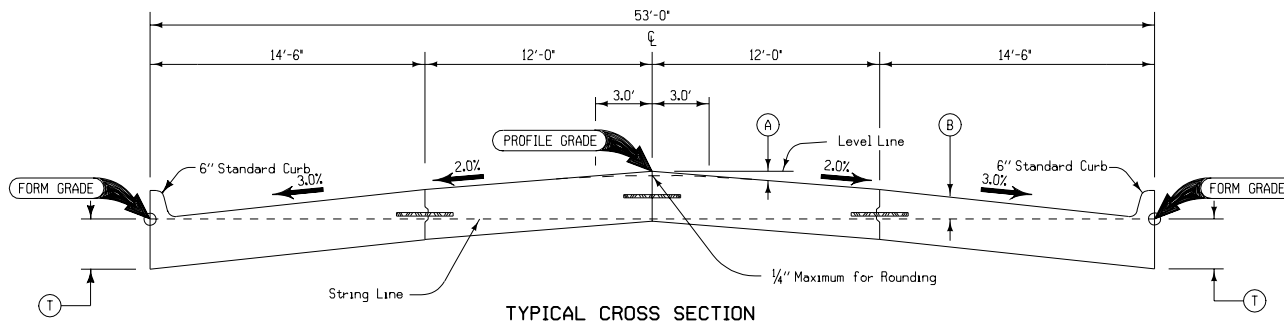
Details indicated on this plan illustrate the general requirements for Four-Lane P.C. Concrete Pavements 53.0' in width.

Refer to Standard Road Plans RH-50, 51, and 52 for details of construction of joints in pavement. Transverse Joints will be 'CD' except when 'C' joints are specifically required as a part of detail project plans or when T is less than 8.0'.

Normal crown shall be a straight line each way from center line profile grade for the distance indicated. This crown may be varied through superelevated curves and intersection areas where special shaping is required, or other areas specifically authorized by the Engineer.

Unless specified otherwise in the detail project plans because of staging considerations it is the contractor's option to construct the 53.0' PCC pavement to fit his construction technique.

The price bid for "Standard or Slip-Form PCC Pavement" class and thickness as specified, in sq. yds. including all required joints, shall be considered full compensation for the construction of pavement as detailed herein.



TYPICAL CROSS SECTION

- ① Transverse Joint spacing 20' (normal) for 'CD' joint, 15' (normal) for 'C' joint.
- ② Joints will be: 'L-1' or 'BT-1' for T less than 8.0' and 'L-2' or 'KT-2' for T greater or equal to 8.0'.
- ③ Joint will be modified 'BT-1' with specified bar spacing for T less than 8.0' and 'KT-2' or 'KT-3' for T greater than or equal to 8.0'. See table for detail of bar spacing.

PER STATION DESIGN VALUES FOR FULL WIDTH (53.0) PAVEMENT SECTION*						
ITEM	UNIT	T=6.0"	T=7.0"	T=8.0"	T=9.0"	T=10.0"
Section Area	Sq. Ft.	27,000	31,415	35,835	40,250	44,665
Concrete Volume	Cu. Yds.	100,000	116,351	132,723	149,074	165,426
Surface Area	Sq. Yds.	588,888	588,888	588,888	588,888	588,888
CENTERLINE JOINT <sup>③</sup>		BT-1 24.0" spacing	BT-1 24.0" spacing	'KT-2'	'KT-2'	'KT-2'

\*Quantities include 6.0" Standard curb

OFFSETS FOR 53.0' PAVEMENTS WITH 6.0" STANDARD CURB																													
Distance From $\phi$	0	1.0'	2.0'	3.0'	4.0'	5.0'	6.0'	7.0'	8.0'	9.0'	10.0'	11.0'	12.0'	13.0'	14.0'	15.0'	16.0'	17.0'	18.0'	19.0'	20.0'	21.0'	22.0'	23.0'	24.0'	25.0'	26.0'	26.5'	
A	Inches	—	1/4	1/2	3/4	5/8	1 1/8	1 1/4	1 1/2	1 5/8	2 1/8	2 1/4	2 1/2	2 3/4	3 1/4	3 3/4	4	4 1/8	4 1/4	4 1/2	4 5/8	5 1/8	5 1/4	5 1/2	5 3/4	6 1/8	6 1/4	6 1/2	6 3/4
	Feet	—	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.27	0.30	0.33	0.36	0.39	0.42	0.45	0.48	0.51	0.54	0.57	0.60	0.63	0.66	0.675
B	Inches	—	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	1 7/8	2	2 1/8	2 1/4	2 1/2	2 3/4	2 7/8	3	3 1/8	3 1/4	3 1/2
	Feet	—	0.006	0.011	0.016	0.022	0.027	0.033	0.038	0.044	0.049	0.055	0.060	0.066	0.061	0.057	0.052	0.048	0.043	0.039	0.034	0.029	0.025	0.020	0.016	0.011	0.007	0.002	—

**Iowa Department of Transportation**  
 Highway Division

**STANDARD ROAD PLAN RH-47B**

REVISION: Remove skewed joints.	REVISION NO. 6
<i>William J. Sten</i>	REVISION DATE 04-30-02
APPROVED BY DESIGN METHODS ENGINEER	

**NON-REINFORCED FOUR LANE  
53.0' P.C. CONCRETE PAVEMENT**