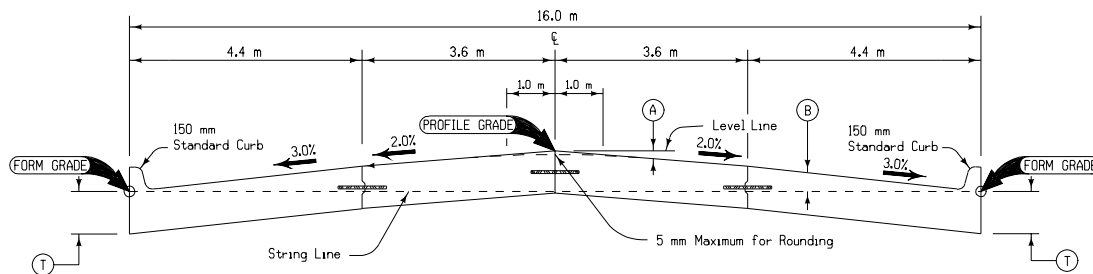


TYPICAL PAVEMENT PLAN



TYPICAL CROSS SECTION

OFFSETS FOR 8.0 m PAVEMENTS WITH 150 mm STANDARD CURB										
Distance From C	0	1.0 m	2.0 m	3.0 m	3.6 m	4.0 m	5.0 m	6.0 m	7.0 m	8.0
(A)	mm	0	20	40	60	72	84	114	144	204
(B)	mm	0	5	11	16	20	18	14	9	0

GENERAL NOTES:

Details indicated on this plan illustrate the general requirements for Four-Lane P.C. Concrete Pavements 16.0 meters 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 200 millimeters.

Normal crown shall be a straight line each way from center line profile grade for the distance indicated. This crown may be varied through super-elevated 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 16.0 meter PCC pavement to fit his construction technique.

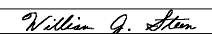
The price bid for "Standard or Slip-Form PCC Pavement" class and thickness as specified, in square meters including all required joints, shall be considered full compensation for the construction of pavement as detailed hereon.

- ① Transverse Joint spacing: 6.0 meters (normal) for 'CD' joint, 4.5 meters (normal) for 'C' joint.
- ② Joints will be: 'L-1' or 'BT-1' for T less than 200 millimeters and 'L-2' or 'KT-2' for T greater than or equal to 200 millimeters.
- ③ Joint will be modified 'BT-1' with specified bar spacing for T less than 200 millimeters and 'KT-2' or 'KT-3' for T greater than or equal to 200 millimeters. See table for detail of bar spacing.

PER STATION DESIGN VALUES FOR FULL WIDTH (16.0 m) PAVEMENT SECTION*												
ITEM	UNIT	T=150	T=160	T=170	T=180	T=190	T=200	T=210	T=220	T=230	T=240	T=250
Section Area	m ²	2,449	2,609	2,769	2,929	3,089	3,249	3,409	3,569	3,729	3,889	4,049
Concrete Volume	m ³	244.9	260.9	276.9	292.9	308.9	324.9	340.9	356.9	372.9	388.9	404.9
Surface Area	m ²	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Centerline Joint	③	'BT-1' 600 mm spacing						'KT-2'				

*Quantities include 150 mm Standard curb

All dimensions given in millimeters unless noted.

METRIC VERSION	M	Iowa Department of Transportation Highway Division
	STANDARD ROAD PLAN RH-47B	
	REVISION: Remove skewed joints.	
	 APPROVED BY DESIGN METHODS ENGINEER	REVISION NO. 6 REVISION DATE 04-30-02
NON-REINFORCED FOUR LANE 16.0 m P.C. CONCRETE PAVEMENT		