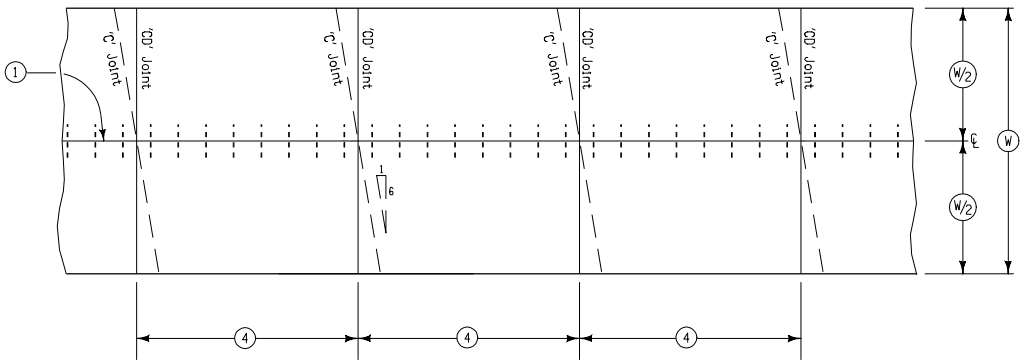
Transverse 'C' Joints skewed unless otherwise specified



PLAN

Contract Item:

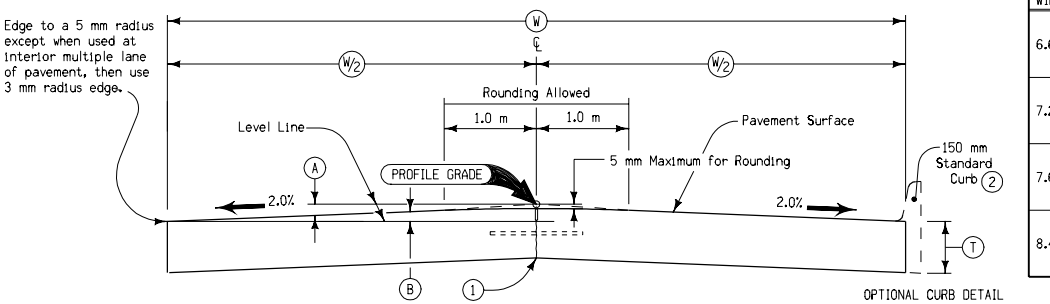
Standard or Slip-Form PCC Pavement

(1) Joints will be:
'L-1' or 'BT-1' for T less than 200 millimeters.
'L-2' or 'KT-2' for T greater or equal to 200 millimeters.

(2) Curb option applies to the 7.6 or 8.4 meter pavement.

(3) Includes quantities for 150 millimeter curb.

(4) Transverse Joint spacing (normal) 6 meters for 'CD' joint, 4.5 meters for 'C' joint.



CROSS SECTION

OPTIONAL CURB DETAIL
(Use only as specified on plans.)

PER STATION DESIGN QUANTITIES FOR PAVEMENT																
WIDTH	ITEM	UNIT	T=150	T=160	T=170	T=180	T=190	T=200	T=210	T=220	T=230	T=240	T=250	T=260	T=270	T=280
6.6 m	Section Area	m^2	0.990	1.056	1.122	1.188	1.254	1.320	1.386	1.452	1.518	1.584	1.650	1.716	1.782	1.848
	Concrete Volume	m^3	99.0	105.6	112.2	118.8	125.4	132.0	138.6	145.2	151.8	158.4	165.0	171.6	178.2	184.8
	Surface Area	m^2	660	660	660	660	660	660	660	660	660	660	660	660	660	660
7.2 m	Section Area	m^2	1.080	1.152	1.224	1.296	1.368	1.440	1.512	1.584	1.656	1.728	1.800	1.872	1.944	2.016
	Concrete Volume	m^3	108.0	115.2	122.4	129.6	136.8	144.0	151.2	158.4	165.6	172.8	180.0	187.2	194.4	201.6
	Surface Area	m^2	720	720	720	720	720	720	720	720	720	720	720	720	720	720
(3) 7.6 m	Section Area	m^2	1.189	1.265	1.341	1.417	1.493	1.569	1.645	1.721	1.797	1.873	1.949	2.025	2.101	2.177
	Concrete Volume	m^3	118.9	126.5	134.1	141.7	149.3	156.9	164.5	172.1	179.7	187.3	194.9	202.5	210.1	217.7
	Surface Area	m^2	760	760	760	760	760	760	760	760	760	760	760	760	760	760
(3) 8.4 m	Section Area	m^2	1.309	1.393	1.477	1.561	1.645	1.729	1.813	1.897	1.981	2.065	2.149	2.233	2.317	2.401
	Concrete Volume	m^3	130.9	139.3	147.7	156.1	164.5	172.9	181.3	189.7	198.1	206.5	214.9	223.3	231.7	240.1
	Surface Area	m^2	840	840	840	840	840	840	840	840	840	840	840	840	840	840

OFFSETS FOR 6.6, 7.2, 7.6, AND 8.4 METER PAVEMENT											
(W)	Distance From ℄		0	1.0 m	2.0 m	3.0 m	3.3 m	3.6 m	3.8 m	4.0 m	4.2 m
6.6, 7.2,7.6, and 8.4 m	(A)	mm	0	20	40	60	66	72	76	80	84
6.6 m	(B)	mm	66	46	26	6	0	---	---	---	---
7.2 m	(B)	mm	72	52	32	12	6	0	---	---	---
7.6 m	(B)	mm	76	56	36	16	10	4	0	---	---
8.4 m	(B)	mm	84	64	44	24	18	12	8	4	0

For joint details, see Standard Road Plans RH-50, RH-51, and RH-52.

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RH-22**

REVISION: Remove skewed 'CD' joints; change title.

REVISION NO. 12

REVISION DATE 04-19-05

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

TWO-LANE
P.C. CONCRETE PAVEMENT