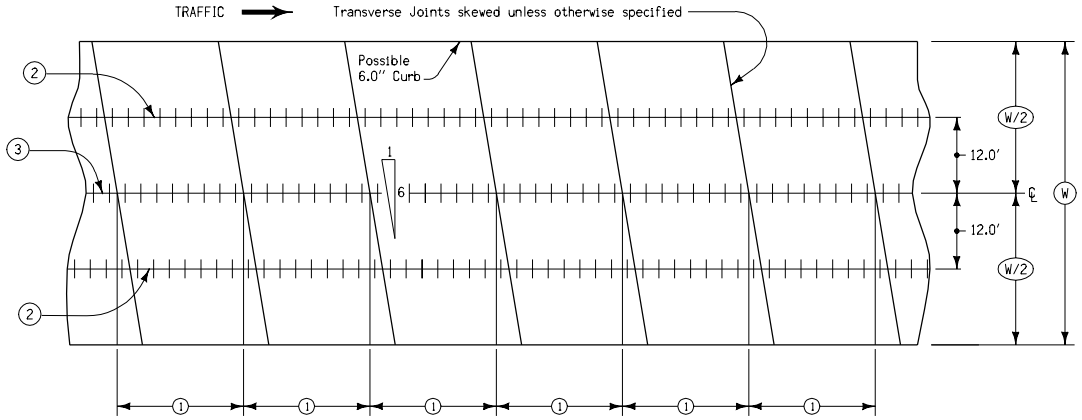
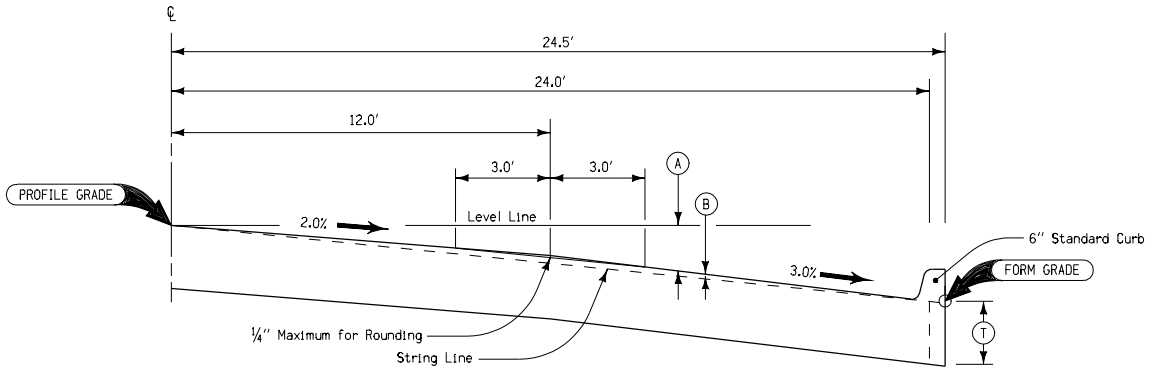


TYPICAL PAVEMENT PLAN



TYPICAL CROSS SECTION

GENERAL NOTES:

Contract Item:

Standard or Slip-Form PCC Pavement

1. Transverse Joint spacing (normal) 20'–0" for 'CD' joint, 15'–0" 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 PAVEMENT SECTION							
(W)	ITEM	UNIT	T=6.0"	T=7.0"	T=8.0"	T=9.0"	T=10.0"
48'	Section Area	Sq. Ft.	24.000	28.000	32.000	36.000	40.000
	Concrete Volume	Cu. Yds.	88.889	103.704	118.519	133.333	148.148
	Surface Area	Sq. Yds.	533.333	533.333	533.333	533.333	533.333
49'*	Section Area	Sq. Ft.	25.000	29.083	33.168	37.250	41.333
	Concrete Volume	Cu. Yds.	92.593	107.715	122.846	137.963	153.085
	Surface Area	Sq. Yds.	544.444	544.444	544.444	544.444	544.444
Centerline Joint (3)			BT-1 24.0" spacing		'KT-2'		

* Quantities include 6" Standard curb

OFFSETS FOR 48.0' AND 49.0' PAVEMENTS WITH 6.0" STANDARD CURB																											
(W)	Distance From ℄		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'	24.5'
48' & 49'	(A)	Inches	—	1/4	1/2	3/4	15/16	1 3/16	1 7/16	1 11/16	1 15/16	2 3/16	2 3/8	2 5/8	2 7/8	3 1/4	3 5/8	4	4 5/16	4 11/16	5 1/16	5 3/8	5 3/4	6 1/8	6 1/2	6 13/16	7 3/16	7 3/8
		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	0.615
48'	(B)	Inches	—	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	5/8	9/16	1/2	7/16	3/8	5/16	1/4	3/16	1/8	1/16	0	--
		Feet	—	0.005	0.010	0.015	0.020	0.025	0.030	0.035	0.040	0.045	0.050	0.055	0.060	0.055	0.050	0.045	0.040	0.035	0.030	0.025	0.020	0.015	0.010	0.005	0	--
49'	(B)	Inches	—	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	5/8	9/16	1/2	7/16	3/8	5/16	1/4	3/16	1/8	1/16	0	0
		Feet	—	0.005	0.010	0.015	0.020	0.026	0.031	0.036	0.041	0.046	0.051	0.056	0.061	0.056	0.051	0.047	0.042	0.037	0.032	0.027	0.022	0.017	0.012	0.007	0.002	0

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

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RH-43**

REVISION: Rename Construction Progress to Traffic. New title block.

REVISION NO. 7

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

REVISION DATE 04-20-04

NON-REINFORCED FOUR LANE
48.0' or 49.0'
P. C. CONCRETE PAVEMENT