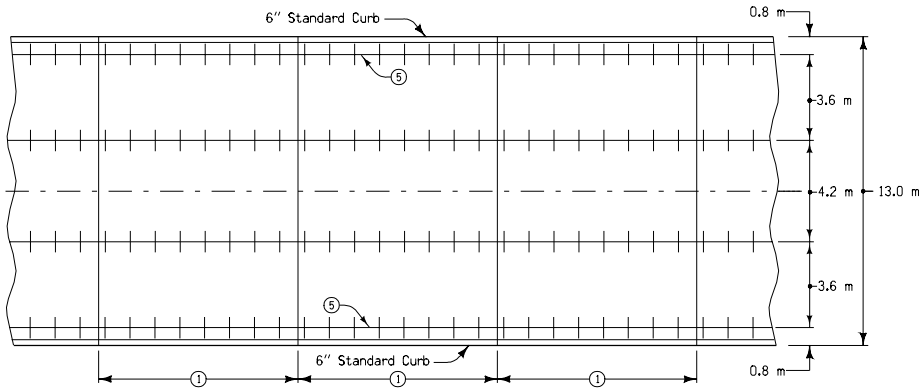
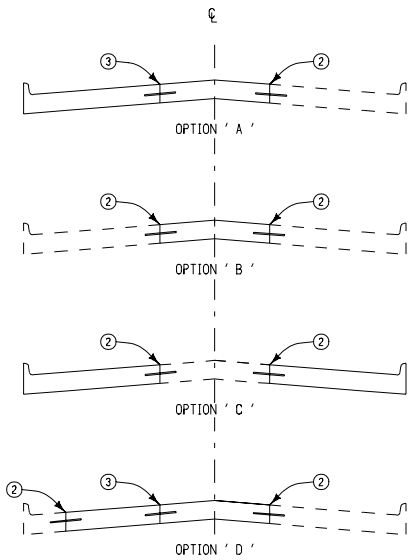


TYPICAL PAVEMENT PLAN

OFFSETS FOR 13.0 m PAVEMENT WITH 150 mm STANDARD CURBS										
Distance from ℄		2.1 m	1.5 m	1.0 m	0.5 m	0 m	0.5 m	1.0 m	1.5 m	2.1 m
A	mm	42	30	20	10	0	10	20	30	42
B	mm	0	12	22	32	42	32	22	12	0

PER STATION DESIGN VALUES FOR (13.0 m B-B) PAVEMENT SECTION 4						
ITEM	UNIT	T=150	T=180	T=200	T=230	T=250
Section Area	m^2	1.998	2.388	2.648	3.038	3.298
Concrete Volume	m^3	199.8	238.8	264.8	303.8	329.8
Surface Area	m^2	1300	1300	1300	1300	1300



PAVING OPTIONS

Unless specified otherwise in the detail project plans it is the contractor's option to construct 13.0 m PCC pavement in one of the following options:

Option 'A' Pour center 4.2 m lane with one 4.4 m outside lane with integral curb then pour remaining 4.4 m outside lane with integral curb.

Option 'B' Pour center 4.2 m lane then pour 4.4 m outside lanes with integral curbs.

Option 'C' Pour both 4.4 m outside lanes with integral curbs then pour center 4.2 m lane.

Option 'D' Pour center 4.2 m lane with one 3.6 m lane then pour remaining 0.8 m gutter section and 4.4 m outside lane with integral curb.

GENERAL NOTES:

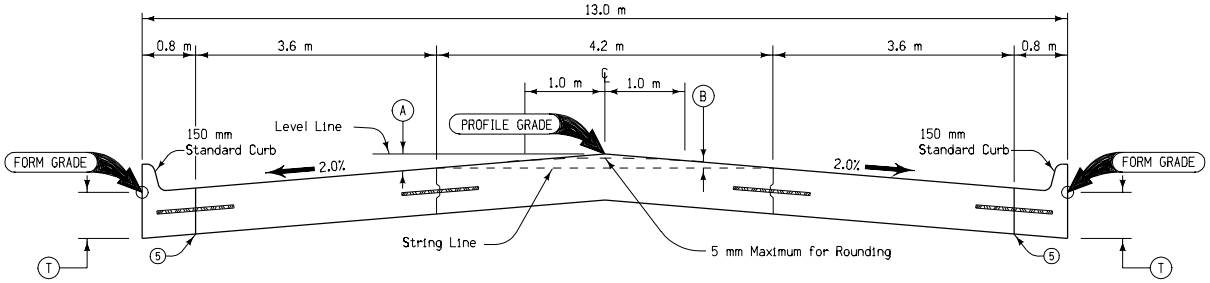
Details indicated on this plan are intended to illustrate the general requirements for Three–lane P.C. Concrete Pavements 13.0 meters in width. The center lane is a continuous two–way left–turn lane.

Refer to Standard Road Plans RH–50, RH–51 and RH–52 for details of construction of joints in pavement. End of day's work joint and joint at bridge approach section shall be constructed perpendicular to center line. 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 sloped from the profile grade for the distance and rate 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.

The price bid for "Standard or Slip–Form PCC Pavement" class and thickness as specified, 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 (no dowels in outside 0.8 meters of pavement). 4.5 meters (normal) for 'C' joint.
2. 'BT–1' Joint if pavement thickness is less than 200 millimeters. 'KT–2' Joint, if pavement thickness is 200 millimeters or greater.
3. 'L–1' Joint if pavement thickness is less than 200 millimeters. 'L–2' Joint, if pavement thickness is 200 millimeters or greater.
4. Quantities include 150 millimeter curb.
5. Optional joint. 'BT–1' Joint if pavement thickness is less than 200 millimeters. 'KT–2' Joint, if pavement thickness is 200 millimeters or greater.



TYPICAL CROSS SECTION

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RH–45D**

REVISION: NEW

REVISION NO. NEW

REVISION DATE 10-02-01

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

THREE LANE 13.0 m WIDE
P.C. CONCRETE PAVEMENT
(WITH 150 mm STANDARD CURB)