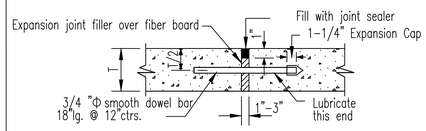
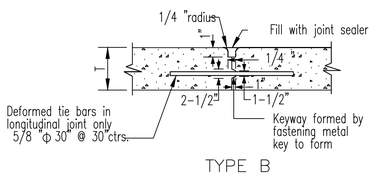


TYPE A-2

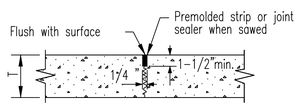
ALTERNATE EXPANSION JOINT



TYPE B

LONGITUDINAL CONSTRUCTION JOINT

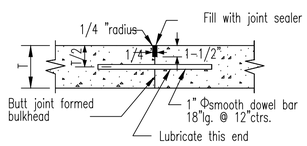
(See Note 5)



TYPE C

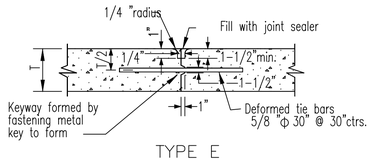
SAWED OR PREMOLDED STRIP TRANSVERSE OR LONGITUDINAL CONSTRUCTION JOINT

(See Note 4)



TYPE D

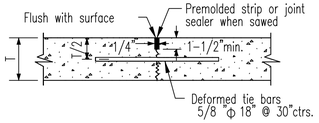
TRANSVERSE CONSTRUCTION JOINT



TYPE E

TIED TRANSVERSE CONSTRUCTION JOINT

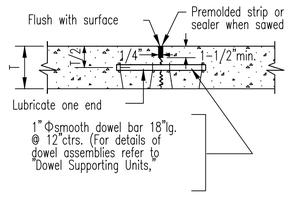
(To be used at point not on 16' or 20' spacing)



TYPE F

SAWED OR PREMOLDED STRIP LONGITUDINAL CONSTRUCTION JOINT

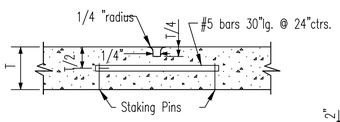
(See Note 5)



TYPE G

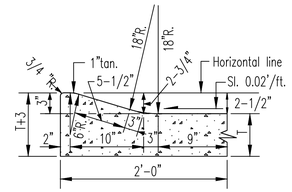
SAWED OR PREMOLDED STRIP TRANSVERSE CONSTRUCTION JOINT

(See Note 4)

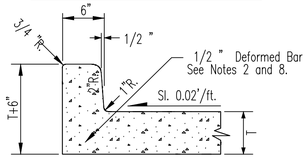


TYPE H

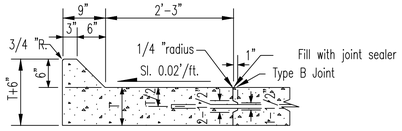
SAWED JOINT WITH TIE BARS



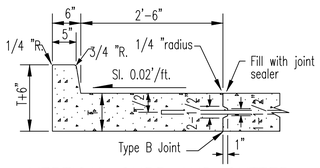
INTEGRAL ROLLED CURB



INTEGRAL VERTICAL CURB

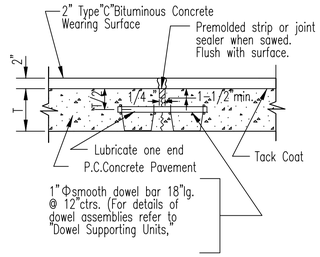


MOUNTABLE CURB AND GUTTER



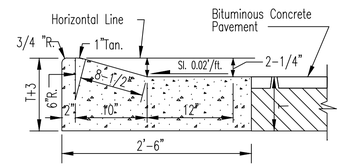
VERTICAL CURB AND GUTTER

(3' 0"WIDE)



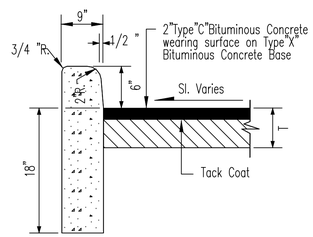
TYPE J

SAWED OR PREMOLDED STRIP TRANSVERSE CONSTRUCTION JOINT WITH BITUMINOUS OVERLAY

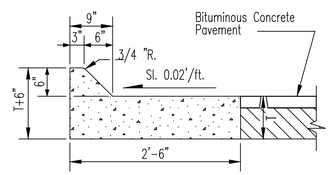


ROLLED CURB AND GUTTER

(2'-6"WIDE)



TYPE S CONCRETE CURB



MOUNTABLE CURB AND GUTTER

(2'-6"WIDE)

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Construction joint and tie bars may be omitted when curb is poured integral with pavement.
3. Minimum Thickness for Pavement is:

Bituminous Concrete Pavement Thickness =		(T)
Concrete Pavement Thickness =	(T)	
All Residential Minor and Local Streets	6"	7-1/2"
Residential Collector and Non-Residential Streets	7"	9-1/2"
All Arterial Streets	8"	12"

4. Type "C" Transverse Joint is required for Arterial and Non-Residential streets. Use Type "C" Transverse Joint for all others.
5. For Subdivision or Minor Streets having 6" concrete pavement 1/2 "Φ deformed tie bars 30" long at 30" centers shall be used for Type "B" Longitudinal Joints and 1/2"Φ deformed tie bars 18" long at 30 " centers shall be used for Type "F" Longitudinal Joints.
6. Refer to Pavement Construction Details for "Integral Vertical Curb and Concrete Pavement Typical Sections and Details. and "Integral Rolled Curb and Concrete Pavement Typical Sections and Details. for joint and bar requirements for different street classifications. Note that width and location of each poured portion of the pavement may change the type and location of joint required.
7. All deformed bars for joints and curbs shall be Billet Steel Bars conforming to A.S.T.M.615-75, Grade 40.
8. Length of the tie bars shall equal the thickness of pavement plus the height of curb less 3". Tie bars shall be placed at 24"centers.
9. Transverse or longitudinal construction joints in slip formed pavements may be made with a groover or tool, if such device has been approved in advance by the Department.
10. The free end of the dowel bar for a length of at least 11 inches shall be coated with an approved graphite grease.
11. All dowel bars 18"lg. @ 12"ctrs. shall be epoxy coated.
12. Expansion joint A-2 from St. Louis County pavement construction details, shall be allowed in addition to Type A and AA expansion joints.

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS

JOINTS AND CURBS

DAVID MASON + ASSOCIATES
davidmason.com
800 South Vandeventer p (314) 534-1030
St. Louis, Missouri 63110 f (314) 534-1053

David Mason and Associates, Inc.
Missouri Certificate of Authority Number:
Engineer: 001103
Architect: 000620
Survey: 000336

Consultants:
Consultants Title and Discipline
Certificate of Authority ####
Street Address
City, State, Zip Code
P: (XXX) XXX-XXXX F: (XXX) XXX-XXXX

Consultants Title and Discipline
Certificate of Authority ####
Street Address
City, State, Zip Code
P: (XXX) XXX-XXXX F: (XXX) XXX-XXXX

CENTRAL BANK of ST. LOUIS

321-327 SOUTH MAIN STREET
O'FALLON, MISSOURI 63366

Professional Seal:

This document is only part of the total contract and/or construction document package. Other documents could contain information that may not be depicted here. The general contractor is responsible to provide all bidders with all information and documents pertaining to the complete scope of work.

The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or parts of the Architectural or Engineering project.

No.	Description	Date

Sheet Title:
CIVIL DETAILS

Date:	06/04/2019
Project Number:	2018355-00
Designed By:	MJM
Drawn By:	TJR
Checked By:	MJM

Sheet Number:
C7