



No.	Description	Date
02	PRELIM P&Z	04/28/17
03	P&Z RESUBMIT	05/17/17
04	100% DD SET	06/09/17
05	50% CD SET	07/14/17
06	90% CD SET	08/01/17
07	PERMIT SET	08/18/17
08	PERMIT SET	09/22/17
	FIRE DEPT.	
09	PERMIT SET	10/04/17
	REVISIONS	
10	PERMIT SET	11/03/17
No.	Description	Date

GENERAL NOTES

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

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"
- Type "C" Transverse Joint is required for Arterial and Non-Residential Streets. Use Type "C" Transverse Joint for all others.
- For Subdivision or Minor Streets having 1" 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.
- Refer to Pavement Construction Details for Integral Vertical Curbs and Concrete Pavement Typical Sections and Details.
- Refer to Integral Rolled Curbs and Concrete Pavement Typical Sections and Details.
- Note that width and location of each poured portion of the pavement may change the type and location of joint required.
- All deformed bars for joints and curbs shall be #3. Steel bars conforming to A.S.T.M. 615-75, Grade 60.
- Length of the tie bars shall equal the thickness of pavement plus the height of curb less 2". Tie bars shall be placed at 24" centers.
- 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.
- The free end of the dowel bar for a length of at least 11 inches shall be coated with an approved graphic grease.
- All dowel bars 1/2" ϕ 12" ctrs. shall be epoxy coated.
- 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 FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI**

**PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS**

TYPE A (MODIFIED) CONSTRUCTION JOINT

JOINT LOCATION
AT PC AND PT OF CURVED PAVEMENT, MAXIMUM 500 FT SPACING ON TANGENT SECTIONS, AND AS DIRECTED ON INTEGRAL CURB PAVEMENT TYPICAL SECTIONS AND DETAILS.

JOINT DETAILS

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

**PAVEMENT CONSTRUCTION
DETAIL**

INTEGRAL VERTICAL CURB AND CONCRETE JOINT DETAILS

GENERAL NOTES

- Do not scale drawing. Follow dimensions.
- All street inlets shall be separated from the pavement and curb by expansion joint material extending completely through curb and slab. Manhole castings within the pavement limits shall be boxed as shown.
- When a joint falls within 5ft. of, or contacts inlets, manholes, or other structures, shorten one or more panels either side of opening to permit joint to fall on round structures and at or between corners of rectangular structures.
- Driveway configurations are shown in the "Entrance Construction Details".
- Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
- Minimum Thickness for Pavement is:

Non-Residential Streets	7"
All Arterial Streets	8"
- Refer to Pavement Construction Details for Joints and Curbs for joint and bar requirements. Note that width and location of joints required.
- The locations of the Type B and Type F longitudinal construction joints in the sections may be interchanged for different widths of construction if approved by the Department.
- All 1/2" smooth dowel bars 18" ϕ 12" ctrs. shall be epoxy coated.

NOTE
Joint sealant material shall meet ASTM designations as follows:
Bituminous type ASTM D-994-53
Non extruding & resilient bituminous type (fiber) ASTM D-1751-60T
Non extruding & resilient non bituminous type (rubber) ASTM D-5249

NOTE
Joint sealant material shall meet ASTM and MSHTD designations as follows:
ASTM D-3425 MSHTD M-301 or
ASTM D-1190-74 MSHTD M-173-84
Non extruding & resilient non bituminous type (rubber) ASTM D-5249

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**PAVEMENT CONSTRUCTION DETAILS
INTEGRAL VERTICAL CURB
AND CONCRETE PAVEMENT
TYPICAL SECTIONS AND DETAILS**

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
All Arterial, Non-Residential	Transverse	TYPE G 1" ϕ smooth dowel bars 18" ϕ 12" ctrs.
	Longitudinal	Within a poured section: TYPE F 5/8" ϕ deformed tie bars 18" ϕ 30" ctrs. At the edge between two poured sections: TYPE B 5/8" ϕ deformed tie bars 30" ϕ 30" ctrs.
26'-51' wide pavement	Longitudinal	TYPE B 5/8" ϕ deformed tie bars 18" ϕ 30" ctrs.
	Expansion	TYPE A or Type A Modified
7'-8" thick concrete	Transverse	TYPE C no steel bars
	Longitudinal	Full Width Construction: TYPE F modified with 1/2" ϕ deformed tie bars 18" ϕ 30" ctrs. Half Width Construction: TYPE B modified with 1/2" ϕ deformed tie bars 30" ϕ 30" ctrs.
6" thick concrete	Transverse	TYPE C no steel bars
	Expansion	TYPE A no steel bars

INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS

PLAN OF JOINT LOCATION
Where variable widths of intersecting pavements are shown joint spacing must conform to locations indicated on Standard Typical Sections, Intersection Characterization Details or the Approved Construction Plans.

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
3 LANE RESIDENTIAL 3/2'-38' wide pavement	Transverse	TYPE G 1" smooth dowel bars 18" ϕ 12" ctrs.
	Expansion	TYPE A no steel bars
7' thick concrete	Transverse	TYPE C no steel bars
	Expansion	TYPE A no steel bars
RESIDENTIAL 2 LANE 26' wide pavement	Transverse	TYPE C no steel bars
	Expansion	TYPE A no steel bars

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**PAVEMENT CONSTRUCTION DETAILS
INTEGRAL ROLLED CURB AND
CONCRETE PAVEMENT
TYPICAL SECTIONS AND DETAILS**