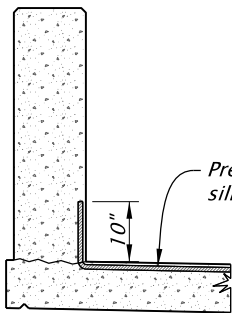


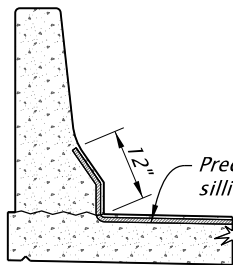
3-TUBE CURB MOUNT RAIL

NOTE: Scale: $\frac{3}{8}" = 1'-0"$
Bridge rails mounted on curb similar.



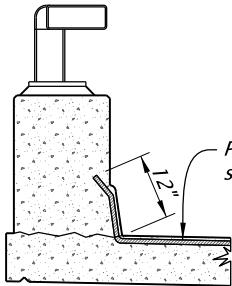
VERTICAL CONCRETE PARAPET

Scale: $\frac{3}{8}" = 1'-0"$



TYPE "F" CONCRETE RAIL

Scale: $\frac{3}{8}" = 1'-0"$

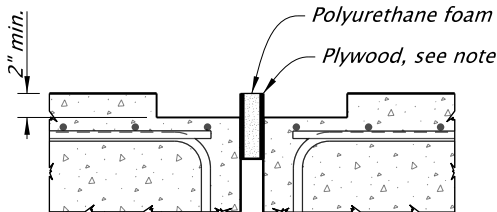


CONCRETE PARAPET WITH STEEL POST

Scale: $\frac{3}{8}" = 1'-0"$

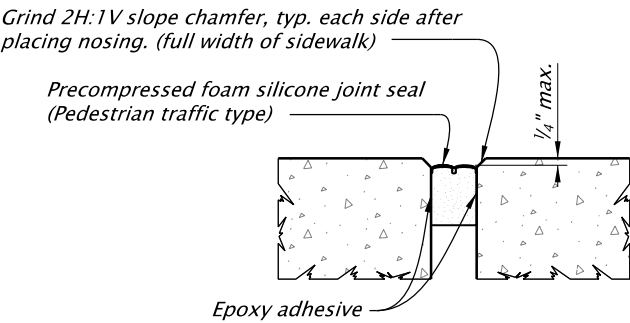
BRIDGE RAIL TYPES

Note to Designer:
Show bend angle on the project plans. Field verify bend angle required for the existing inside corner for a joint rehabilitation project.



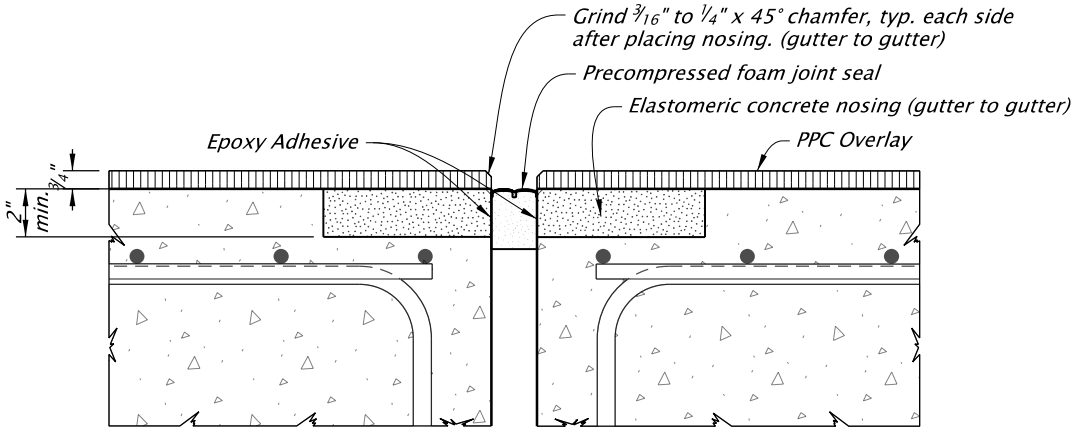
PROPOSED TEMPORARY BLOCKOUT

NOTE:
Blockout joint with sandwich of polyurethane foam and $\frac{1}{4}"$ to $\frac{1}{2}"$ plywood as shown prior to placing elastomeric concrete nosing.



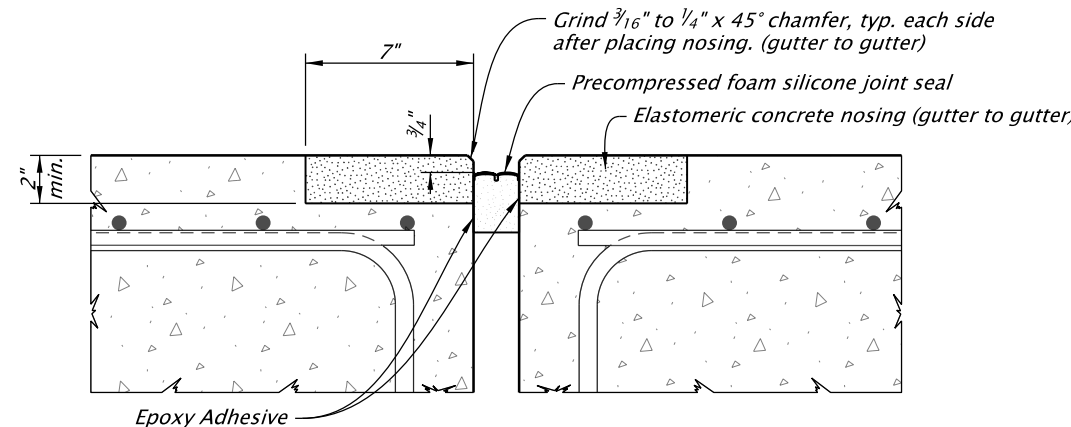
SIDEWALK JOINT SECTION

NOTE:
Provide joint seal having firm, stable and slip resistance top surface.



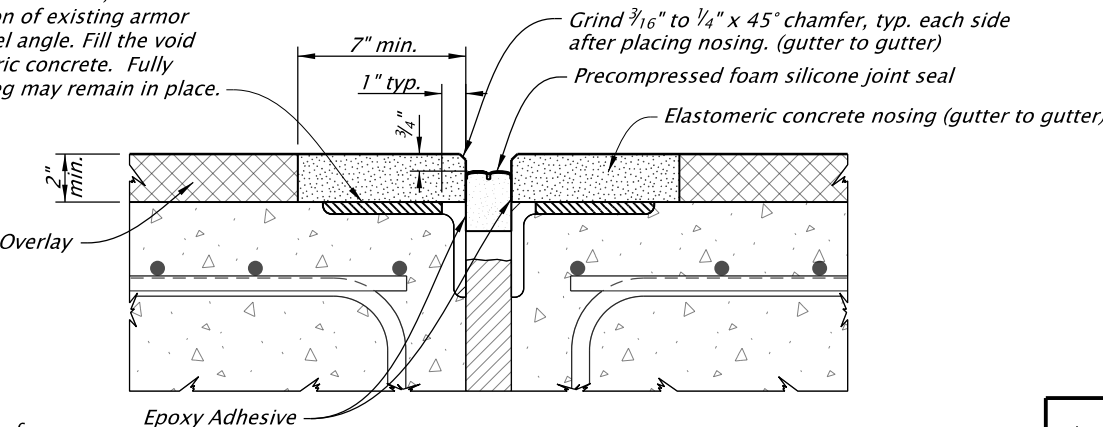
NON-ARMORED JOINT SECTION WITH PPC OVERLAY

NOTE:
Elastomeric concrete nosing may be omitted, when concrete joint surfaces are in good condition.



NON-ARMORED JOINT SECTION

NOTE:
Elastomeric concrete nosing may be omitted, when concrete joint surfaces are in good condition.



ARMORED JOINT WITH OVERLAY

NOTE:
When existing armor leg remains in place. See project plans and specifications for surface preparation before elastomeric concrete placement.

NOTES:
Use precompressed foam silicone joint seal for bridge joint rehabilitation only, see project plans for joint size.

Blockout joint with temporary blockout prior to placing elastomeric concrete nosing. See detail this sheet.

Prepare joint surfaces and install precompressed foam silicone joint seal including bend joint according to the manufacturer's recommendations.

Use factory-fabricated bend for inside corner at gutter line.

Field-cut bend for outside corner is acceptable.

Precompressed Foam Silicone Joint Seal					
Total Movement Range	Joint Installation Width @ Mean Temperature	Joint Seal Size		Min. Joint Closure	Max. Joint Opening
		Nominal Width	Min. Depth		
1/2"	1/2"	3/4"	1 1/2"	5/16"	1 3/16"
1"	3/4"	1"	1 3/4"	7/16"	1 7/16"
1 1/4"	1"	1 1/4"	1 3/4"	1/2"	1 3/4"
1 1/2"	1 1/4"	1 1/2"	2"	5/8"	2 1/8"
1 3/4"	1 1/2"	1 3/4"	2 1/2"	3/4"	2 1/2"
2"	1 3/4"	2"	2 1/2"	1 3/16"	2 1 3/16"
2 1/2"	2"	2 1/4"	2 1/2"	1 5/16"	3 7/16"

Joint setting = ____" @ ____° F. Joint width varies ____" per 10° F change in temperature.

Note to Designer:
Fill in joint information and include the note in project plans. See BDM for the annual mean temperature at the bridge location.

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.



OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

PRECOMPRESSED FOAM SILICONE JOINT SEALS

DETAIL NO.
DET3138