



*engineers | architects | planners | environmental specialists  
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**MEMO**

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**DATE: August 11, 2016**  
**TO: Village of North Hudson Public Works Committee Members**  
**FROM: Kevin Oium, Village Engineer**  
**REGARDING: Storm Sewer Catch Basin Repair Options**

The Village has been exploring a couple of options for repairing the failing storm sewer catch basins due to road salt. As a reference, there are a total of 54 inlets within the community that are in need of repair. One of the options is cutting out the existing asphalt pavement and concrete curb & gutter and installing new adjusting rings. The other option is applying a flex-seal utility sealant from the inside of the structure to the adjustment ring area. Below is a summary of our findings for each option:

#### Installation of new adjustment rings

- Involves removing the existing inlet casting and installing new adjusting rings. Surrounding asphalt and curb & gutter will also need to be replaced.
- Average cost per structure is estimated at \$3,000-3,500.
- Typical warranty period is one-year from the date of installation.

#### Apply Flex-Seal Utility Sealant

- A fairly easy repair with no digging required. Existing adjusting rings are sandblasted from the inside and a urethane material is applied. Sealant is very elastic with an 800% elongation rate.
- Road salt resistant.
- Lifetime warranty on labor and materials.
- Average cost per structure is estimated at \$650-700.
- First installation of this product dates back to 1994. A number of surrounding communities are starting to use this product. Attached is a reference list for your review.

## Twin Cities Flex Seal Users

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Golden Valley	Bert Tracy	763-593-3981
New Brighton	Scott Bolar	651-638-2119
Mahtomedi	Bob Goeble	651-402-2803
New Hope	Dave Lemke	763-592-6762
Roseville	Steve Zweber	651-775-3507
Stillwater	John Jureck	651-492-4898
Oakdale	Chris Larson	651-501-5302
St Michael	Ed Haller	763-416-7981
Shoreview	Kevin Chmielewski	651-214-4045
Burnsville	Holly Gieser	952-215-9058
Lakeville	Rhonda McDonald	952-985-2792
Shakopee	Dave Rutt	612-369-7694
Bloomington	Steve Segar	952-563-4533
Rosemount	Mitch Hatcher	612-360-1315
Eagan	Jim Hauth	651-675-5216
Waconia	Craig Eldred	612-418-3602
Mankato	Tony Talamandez	507-340-4702
Prior Lake	Jake Pheisen	952-484-6847

A Variety of Existing Flex-Seal Installations

<b>FLEX-SEAL UTILITY SEALANT® REFERENCES</b>			
<b>Installation Date</b>	<b>Quantity kits</b>	<b>Location</b>	<b>Client/Contact Person</b>
1999 to Present	over 2500	Conway, SC.	Grandstrand Water and Sewer Eddie Smith 843-443-8322 esmith@gswsa.com
2001 to Present	over 1800	Oakdale, MN	City of Oakdale Chris Larson 651-501-5302 tree.inspector@ci.oakdale.mn.us
2011 to Present	over 400	Westlake, OH	City of Westlake Jim Smolik 440-871-3300 jsmolik@cityofwestlake.org
2012 to Present	over 300	Cuyahoga Falls, OH	City of Cuyahoga Falls Russ Kring 330-971-8133
2006 to Present	Over 400	Bowling Green, OH	Northwestern Water & Sewer Dan Wickard 419-354-9090 dwickard@nwwsd.org

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<b>Installation Date</b>	<b>Quantity kits</b>	<b>Location</b>	<b>Client/Contact Person</b>
2005 to Present	over 1000	Golden Vallay, MN	City of Golden Valley, MN Bert Tracy 763-593-8003 btracy@goldenvalleymn.gov
2006 to Present	165 Structures	Mankato, MN	City of Mankato, MN Tony Talamandez (507) 387-8664 ttalamantez@mankatomn.gov
2007 to Present	over 200	Morehead City, SC	Town of Morehead City Derek Williams 252-726-6848 derek.williams@moreheadcitync.com
2005 to Present	over 350	Gainsville, GA	City of Gainesville, GA Amy Smith (770) 297-2982 asmith@gainesville.org
2004 to Present	over 100	Deerfield, WI	Village of Deerfield, WI John Doyle 608-764-5404 jdoyle@deerfieldwi.com
2001 to Present	over 50,000	Various Cities, MN, IA, and WI	Underground Utilities Specialties Thad Lawrynk 612-801-6036 themanholeguy@yahoo.com