



Woodbridge Neighborhood 2009 Pervious Concrete

Starting out:

- 38 acres neighborhood fully developed
- 9000 sq yds of existing asphalt roadway
- Storm drainage was a major concern



Needed to:

- Remove/ replace the road
- Upgrade municipal utilities
- Improve storm water management
- Total project cost: \$1.5M

Why was Pervious Concrete Used?

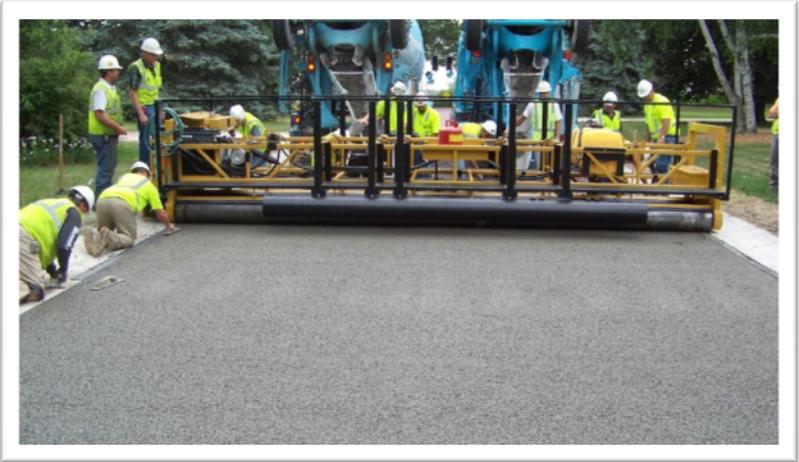
- Free draining soil types allowed for great drainage
- Advancements in mix designs and placements techniques
- City can control maintenance

Design and Construction

- 18" of crushed rock
- Roller tube paver for consolidation



- Curing used fabric in lieu of poly sheeting
- Mix design: 125 PCF, 21% air voids +/- 3% (Avg)
- 7" of pervious concrete
- 1-1/2" railroad ballast
- \$86.30 per SY
- Saw cut joints 24-48 hours after pour



Maintenance

- Need vacuum/regenerative air sweeper
- During the winter, use zero salt and use 1 ton truck for plowing



If you have any questions, please contact Mark Maloney at 651-490-4651 or mmaloney@shoreviewmn.gov

This information and more can be found at www.shoreviewmn.gov