



Virg Bernero, Mayor

The Construction Observer

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Lansing's Rain Gardens Selected for EPA's "Implementing Smart Growth Streets" Study!

The City of Lansing's new rain gardens on Michigan Avenue and Washington Square were recently chosen to be part of a new EPA case study. Many "impressive submissions" were received from all over the country, but Lansing was among the 12 projects selected by EPA.

Each case study will document the innovation, quality, implementation activities and institutional arrangements that led to a positive outcome on the project. The intention is to provide guidance for other communities wishing to replicate the results.



EPA defines "Smart Growth Streets" as roadways designed and operated to support compact communities while promoting least-polluting transportation performance and preserving environmental resources within and beyond the right of way.

To learn more, visit: www.smartgrowthonline.org.

Welcome to 2009: CSO Construction Preview

The 18th year of construction for Lansing's Combined Sewer Overflow (CSO) Control Program will begin in mid-April. Four projects that began in 2008 will be completed this year: 034A, 045, 018SW and 013NE, and there are three new projects on tap: 015N, 034B and Downtown-Allegan/Chestnut. The CSO work on Grand/Walnut was completed last year, and additional streetscape enhancements will take place in 2009-2010, but with Grand remaining open to traffic during this time. To view detailed maps of where each project will occur, please visit www.LansingCSO.com and click on "projects."

015N – Willow/Chestnut Phase V, Segment 1 will complete sewer separation in CSO Subarea 015N. The project area is generally bounded by the Grand River to the north, Seymour to the east, Saginaw to the south and Westmoreland to the west. This project will separate approximately 151 acres and eliminate approximately 16,700 LF of combined sewer. Major streets in this area include MLK Jr., Oakland, Pine, Saginaw, Seymour, Walnut and Willow.

034B – Mt. Hope Phase V, Segment 1 will complete sewer separation in CSO Subarea 034B. The project area is generally bounded by MLK Jr. on the west, Holmes on the south, Barnes on the north and Washington on the east. The project will separate approximately 179 acres and eliminate approximately 9,300 FT of combined sewer. The major streets within this area include Mt. Hope and Washington.

Downtown – Allegan/Chestnut Phase V, Segment 1 will continue the sewer separation and rehabilitation of the "Downtown Segmentation" area. Two areas are being constructed as part of this area. The first is Allegan between Grand and Capitol. The second includes Chestnut from Shiawassee to Ottawa. The Allegan project will rehabilitate approximately 5 acres and eliminate approximately 1,350 FT of existing sanitary and storm sewer. The Chestnut project will rehabilitate approximately 9 acres and eliminate approximately 1,350 FT of existing sanitary sewer.

018SW – Center/Cedar/May 2009 construction on Cedar (Grand River to Monroe), Monroe, Ash, Maple, Adams, Center (Adams to Maple) and May (Larch to Prudden).

045 – Saginaw/Pennsylvania 2009 construction on Saginaw (Prudden to Cleveland), Pennsylvania (Saginaw to Linden Grove), Park Terrace and Orchard.

034A – Cooper/Poxson 2009 construction on Cooper, Poxson, Woodbine, Kelsey, Poplar and Stirling (Gordon to Rundle).

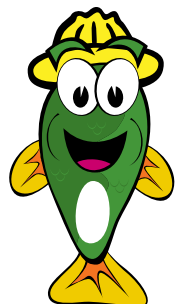
013NE – Creston/Howe 2009 construction on Creston, Howe, Paulson, Community, Orchard Glen, Garland, Seventh, Hunt, Walker and Cedar.

Major Achievements to Date

The City greatly appreciates your support of the CSO Control Program and offers this update on the progress we've made so far:

- Sewer separation complete: 59%
- New sanitary sewer: 56 miles
- New water main: 33 miles
- New roadway: 61 miles

The amount of CSO we have eliminated so far is like 8 city blocks under 60 feet of water, per year!





TOP FIVE Benefits of the CSO Control Program

- 1. Environmental Protection.** By the end of the CSO Program, an average of 1.65 billion gallons of combined sewage will be prevented from entering the Grand and Red Cedar Rivers every year! This improves water quality for Lansing's citizens, downstream communities and the Great Lakes for future generations.
- 2. New Streets.** Road resurfacing and related improvements accompany infrastructure upgrades. Our neighborhoods look better and our drive home is smoother!
- 3. Economic Revitalization.** Although often taken for granted due to their "out of sight, out of mind" location underground, new sewers and water main offer reliable service. This is very attractive to businesses both large and small.
- 4. Pedestrian-Friendly.** Work includes improvements to sidewalks, pedestrian safety, and barrier-free ramp installations to meet the requirements of the Americans with Disabilities Act (ADA).
- 5. Longevity.** The typical life expectancy of a new sanitary sewer main is more than 80 years, so this work will meet the community's needs for generations to come!



2009 Construction Project Summary

Project Name - Location	New Sewer / Water / Road	Contractor
013NE - Creston/Howe	17,660 FT / 9,420 FT / 1.7 Miles	Hoffman Bros, Inc.
015N - Willow/Chestnut	35,000 FT / 28,000 FT / 5.16 Miles	K&R
018SW - Center/Cedar/May	7,380 FT / 7,800 FT / 1.5 Miles	Posen Construction
034A - Cooper/Poxon	8,400 FT / 16,060 FT / 2.6 Miles	E.T. MacKenzie
034B - Mt. Hope	17,000 FT / 12,500 FT / 2.11 Miles	Six-S/C&G Myers
045 - Saginaw/Pennsylvania	10,520 FT / 7,205 FT / 0.9 Miles	E.T. MacKenzie
Downtown - Allegan/Chestnut	4,970 FT / 2,031 FT / 0.34 Miles	E.T. MacKenzie
Downtown - Grand/Walnut	Streetscape Enhancements	TBD

Environmental Protection is Just the Beginning

If you've been following the CSO story all these years, you know that the City was required by law to prevent its combined sewer overflows to the waters of our state. Protecting water quality in the Great Lakes State is definitely a worthwhile effort, but let's take a look at some of the other unique rewards of CSO construction.

If you saw the movie *Cars*, you might remember how thrilled the characters were when the road was properly repaved. It's depressing to drive over or look at crumbling roads. One of the last things to happen on a CSO project is that final coat of pavement. It truly is the icing on the cake.

Another reward is bragging rights. You may wonder who would get excited about new pipes, but the fact is that the nation's infrastructure, on a whole, is near the end of its useful life. Hundreds of major cities have water and wastewater systems that are suffering from years of neglect and underfunding. When pipes fail, water becomes contaminated, sinkholes form, basic services cease and the public is in harm's way.

Infrastructure isn't glamorous, but knowing that Lansing is more than halfway done with CSO construction is something to celebrate. The fact is that we can and should take pride in our inner beauty—new sanitary sewers, water mains, gas mains, etc. With this solid foundation for the future, Lansing is truly entering a renaissance!

To learn more about the nation's infrastructure crisis (and better understand how fortunate Lansing citizens will be at the end of CSO construction), please visit www.liquidassets.psu.edu.



Lansing is poised to attract new business development as a result of its revitalized infrastructure.



Please Support Businesses for Clean Water

Businesses for Clean Water (BCW) was organized by the Lansing Principal Shopping District (PSD) as a way for downtown businesses to express their support for the CSO Control Program. Participating businesses can be recognized by the BCW logo in their window.



If you have any comments or suggestions, please send them to Alec Malvetis, Assistant City Engineer/CSO Project Manager at amalveti@lansingmi.gov.

Lansing is the place to be in Michigan!