

Project 9

Dundee Road/Skokie Boulevard

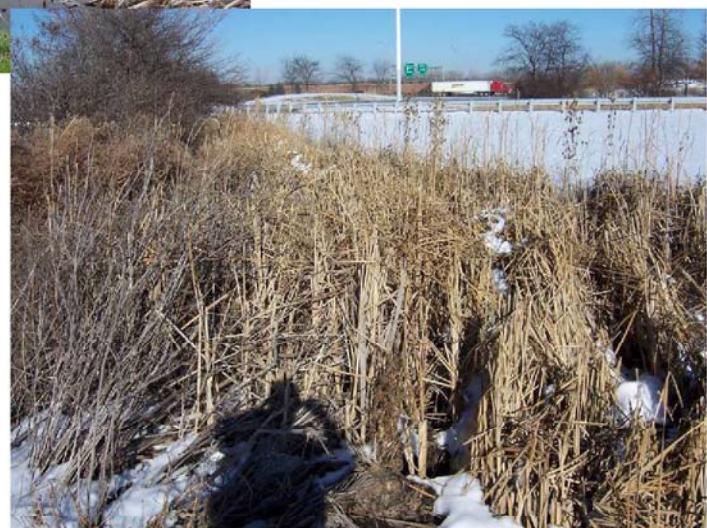


Dundee Road and Skokie Boulevard Intersection



Outlet Box Culvert has Debris Impeding Conveyance

Outlet Channel is Heavily Vegetated



PROJECT 9
DUNDEE ROAD/SKOKIE BOULEVARD

Statement of Conditions:

The intersection is located within a low area. The Dundee Road storm sewer system outlets to a ditch that is heavily silted and has standing water near the top of the storm sewer outlet. The drainage system is likely intended to carry low flows based upon older, less stringent design standards. Outlet conditions reduce the overall capacity of the system.

Problem Identification:

Arterial street intersection and business property flooding

Recommended Plan:

- Coordinate and consult with the Illinois Department of Transportation regarding concerns and responsibilities along Dundee Road
- Improve drainage inlet capacity by constructing additional inlets and/or replacing existing inlets with higher capacity inlets
- Improve storm sewer conveyance and outlet conditions by removing sediment from the northerly drainage ditch
- Improve flood flow conveyance by reinstating the flood overflow paths along Dundee Road easterly (i.e. depress the driveway entrances on the north side of Dundee Road east of Skokie Boulevard)

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$51,000	\$44,000	N/A	\$7,000	0.84	10-yr

