

# Youngstown State Environmental Protection Agency

## Rainworks Challenge

Permeable pavement on parking lots  
 Bioswales along parking lots  
 Rain gardens along edge of area

Student seating area  
 Bus stop with green roof and wall

Rain gardens in select center circles  
 Bioswale-connected sprinkler system  
 Bicycle racks near student areas

Statistic	Current Scenario	Baseline Scenario
Average Annual Rainfall	40.9 in.	39.79 in.
Average Annual Runoff	3.31 in.	27.52 in.
Days per Year With Rainfall	87.04	87.49
Days per Year with Runoff	6.60	65.90
Percent of Wet Days Retained	92.42	24.67
Smallest Rainfall w/ Runoff	1.04 in.	0.1 in.
Largest Rainfall w/o Runoff	1.1 in.	0.23 in.