

# REGIONAL SUCCESS USING PERVIOUS PAVEMENT

Clean Rivers, Clean Lake Conference  
Milwaukee  
May 1, 2014



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# Why Permeable Pavement?

- Water quality - pollutant reduction
- Water quantity - volume and flow reduction
- Space efficient - if BMPs are needed
- O&M may be cheaper/simpler than other BMPs
- May reduce icy/slippery conditions
- Aesthetic value
- Traffic calming
- Life-cycle cost may be lower

# Limitations

- Uncertainty about maintenance needs
- May not be embraced by some pedestrians, strollers, etc.
- Less suitable for areas of shallow water table, contaminated soil
- Initial cost likely to be higher than conventional

# Johnson Controls HQ - Glendale



# 13<sup>th</sup> Street - Josey Heights



# Milwaukee County Sports Complex



# Milwaukee County Sports Complex



# UWM Innovation Campus



# 107<sup>th</sup> Street (County Hwy F)



# Morgan Ave. Alleyways



# Milwaukee County Zoo



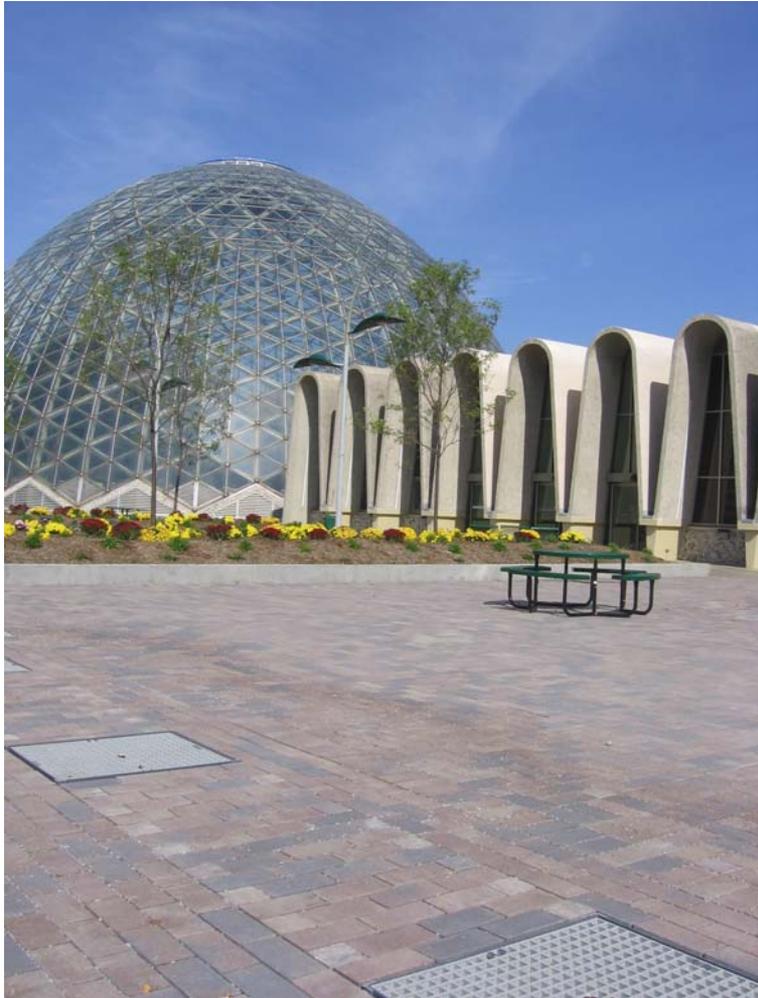
# Milwaukee County Zoo



# Energy Exchange / Simon Landscaping



# Mitchell Park Domes



# Dineen Park



# Research Park



# Minneapolis – Marquette Ave.



# Morton Arboretum



# Keys to Success

- Know your subsurface conditions
- Research your materials application
- Adhere to guidelines and tech standards
- Design in “fail safes” for extreme conditions
- Keep layout simple to gain economies of scale
- Subgrade & aggregate base prep are critical
- Make sure contractor is aware of intent
- Observe maintenance requirements



Thank you

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