Fundamentally, streets are public space. They do more than move cars.
Great Streets

- Are Great places
- Integrate land & transportation planning
- Accommodate all users and modes
- Are economically vibrant
- Are environmentally responsible
- Rely on current thinking
- Are measurable
- Develop collaboratively
Program conceived

as a reaction to construction of roadways that ill serve their communities

and the narrowly defined process that ensured that end result

as a carrot, not a stick
Planning with the environment:

- Accepted science (predictable outcomes)
- Address a range of measurable elements
  - water, light, sound, solar gain, energy consumption, biodiversity, education, etc.
- Makes practical sense
- Reduce ongoing demand on resources (storm sewers, electricity, irrigation, maintenance)
- Secondary benefits (ie: measures to improve air quality may also improve safety, etc.)
- Extend the life cycle of what gets built
- Spaces that reflect local identity
Green design should be well integrated into any plan.

“Silo’d” green design is unsustainable.

Only build what will be maintained.
People spend 5% - 8% more when shopping / dining in high quality environments.
12.) The most important environmental issues to address on South Grand are... (Rank your top 3)

Keypad Polling
- Air quality: 23%
- Noise: 14%
- Healthy street trees and vegetation: 18%
- Stormwater management and water quality: 14%
- Temperature and urban heat island effect: 7%
- Impacts of vehicle use: 5%

Online Polling
- Air quality: 11%
- Noise: 11%
- Healthy street trees and vegetation: 11%
- Stormwater management and water quality: 10%
- Temperature and urban heat island effect: 9%
- Impacts of vehicle use: 8%

Street Survey
- All of the above: 54%
- Wider sidewalks: 21%
- Safer crosswalks: 11%
- Larger, healthier street trees: 9%
- Slower traffic: 3%
- More seating: 2%
- Better lighting: 0%
- Less noise: 0%
- More shade: 0%
• Rain Gardens
• Pervious Pavement
• Pre & Post Construction Storm Water Analysis
• Education
• Planting Schedule
• Maintenance Routine
• Tree Wells - - -
Kimmswick
CITY REVENUE: The annual budget varies yearly. Flood defense can deplete it 50 percent or more.

MARKET GROWTH OPPORTUNITY: Women over 55 make up the majority of Kimmswick’s current market. There is great opportunity to expand commerce connecting with other age demographics.
• Reengage the city with the Water
  • Rock Creek and the River
  • Connections, quality space, activity

• Watershed drainage
  • Divert around town
  • Improve outlets / controls
  • Formalize strategy for site detention
    (enhance public space and increase pervious)

• Flood Protection
  • Tailored barrier
  • Affordable

• Develop local resources
  • Diversify economy
  • Fortify municipal organization
  • Expand municipal revenues
FLOOD DEFENSE: it’s the little things that count. Diverting runoff slowing and retaining stormwater in swales, designing soils and pavement for infiltration and creating pockets to store water result in big help against flooding.

**LEGEND**
- Permeable Paving
- Improved Bioswale
- Permanent Levee
- Existing Waterway
- Roadway Renovation
- Stormwater Flow
- Ridge Line
- Improved Swale Lines
- Inlet & Underground Pipe
- Deployable Flood Barrier
- Floodwall
- Permanent Pump Station
- New Outlet Gate
- Catch Basin
A1. PERMANENT FLOOD BARRIER

Above: Flood Barrier Solution

Above: Deployable Barrier in Action

$1M to $5.5M LOWER THAN COST OF INVESTMENT

3.4M GALLONS RUNOFF STORAGE

8 to 27 DAYS ACCESS GAINED

INCREASE COMMERCE

MAINTAINED HISTORIC AESTHETIC

INCREASED FINANCIAL RESILIENCE

Accomplishes KIMMSWICK GOALS

- Community Supported
- Flood Protection
- Maintain/Enhance Quality of Life
- Enhance Historic Character
Clear communication is essential