



# **Criteria Discussion and Weighting**

Omaha CSO Control Program  
Stakeholder Workshop No. 3  
December 5, 2006

# Criteria Development Guidelines

1. Cost is Evaluated Apart from the Benefit Determination.
2. Evaluation Criteria Must be Mutually Exclusive to Prevent Double Counting Benefits.
3. Evaluation Criteria Must be Quantitatively Measurable
  - Minimize Subjectivity of Evaluation
  - Maximize Defensibility.
4. Based on Experience, a Typical Maximum Number of Evaluation Criteria is 6-8.

# Criteria from Workshop #2

- Street Improvements
- Sewer Backup
- Street Flooding
- Odors
- Water quality
- Biking/Hiking Trails
- Sidewalks
- Zoning
- Neighborhood & business disruption
- Infrastructure/Utility upgrades (streets, sidewalks, water, gas, sewers)
- Community enhancements (green space, parks, streetscapes)
- Historic preservation (brick streets where they currently exist)
- Unobtrusive solutions facilities
- Community traffic impact
- Quality/reliability of the improvements
- Root intrusion in the sewer system
- Coordinate future development/solutions expandability
- Solutions compatible with the neighborhood
- Restoration of property after project
- Construction safety
- Public education

# Grouping of Criteria

- Water Quality
- Sewer Backup
- Street Flooding
- **Minimizing Community Disruptions**
  - Neighborhood & business disruption
  - Community traffic impact
- **Simplicity of Solutions**
  - Quality/reliability of the improvements
- **Infrastructure/Utility upgrades (streets, sidewalks, water, gas, sewers)**
- **Compatibility with Community**
  - Historic preservation
  - Unobtrusive solutions facilities
  - Zoning
  - Solutions compatible with the neighborhood
  - Restoration of property after project
  - Safety
  - Odors
- **Opportunities for Community Enhancements**
  - Biking/Hiking Trails
  - Coordinate Future Development
  - Community enhancements (green space, parks, streetscapes)

# Criteria

1. Water Quality Improvement
2. Reduction of Combined Sewer Back-Ups into Basements
3. Reduction of Street Flooding
4. Minimizing Community Disruptions
5. Simplicity of Solutions
6. Opportunities for Infrastructure/Utility Improvements
7. Compatibility with Community
8. Opportunities for Community Enhancements

# 1. Water Quality Improvement

This criterion defines water quality improvements in the receiving streams above and beyond the minimum requirements to comply with state and federal regulations. This would also include consideration for storm sewer water quality regulations that may be required in the future. The water quality parameters will include bacteria, solids removal, and floatables removal.

## **2. Reduction of Combined Sewer Back-Ups into Basements**

This criterion defines the reduction in the number of combined sewer back-ups into basements for various levels of service. Alternatives will be evaluated based on improvements to the collection system to increase in-basin conveyance of combined sewers or separation of sanitary and storm sewers in portions of the basin.

### **3. Reduction of Street Flooding**

This criterion defines the reduction of street flooding for various levels of service. Alternatives will be evaluated based on improvements to the collection system to increase in-basin conveyance of combined sewers, or percent separation of sanitary and storm sewers in portions of the basin.

## 4. Minimizing Community Disruption

This criterion defines the amount of community disruption that would be expected during construction of combined sewer overflow solutions.

- Minimize neighborhood and business disruption.
- Minimize community traffic impact.

## 5. Simplicity of Solutions

This criterion defines the operations and maintenance impacts of the proposed facilities. It also includes the reliability of the facility/facilities to function during wet weather events.

- Proven technologies that are locally applicable

## 6. Opportunities for Infrastructure/ Utility Improvements

This criterion defines the coordination between improvements for the combined sewer overflow program and the potential for replacement of aging infrastructure.

- Street Improvements
- Sidewalk Improvements
- Bury Overhead Power
- Water Main Replacement
- Gas Main Replacement
- Sewer Main Replacement

## 7. Compatibility with Community

This criterion defines the long-term compatibility with the community of an alternative, considering aesthetics and other benefits of the proposed facilities.

- Coordinating solutions with zoning.
- Historic preservation of community.
- Unobtrusive solution facilities.
- Contaminated sites/areas remediated.
- Solutions compatible with the neighborhood.
- Restoration of property after project.
- Aesthetics (footprint, noise, odors, traffic, and proximity) of proposed facilities.
- Safety.

## 8. Opportunities for Community Enhancements

This criterion defines the potential enhancements for the community through construction of the projects. Enhancements could include green space/parks, streetscapes, structures, and other amenities and support of future development in the community.

- Coordinate future development.
- Potential hiking/biking trail routes.
- Potential green space and parks.
- Enhancement of streetscapes.

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7. Compatibility with Community
8. Opportunities for Community Enhancements

| Criteria  | High | Average | Low | Revised |
|---|------|---------|-----|---------|
| Water Quality Improvement                             |      |         |     |         |
| Reduction of Combined Sewer Back-Ups into Basements   |      |         |     |         |
| Reduction of Street Flooding                          |      |         |     |         |
| Minimizing Community Disruptions                      |      |         |     |         |
| Simplicity of Solutions                               |      |         |     |         |
| Opportunities for Infrastructure/Utility Improvements |      |         |     |         |
| Compatibility with Community                          |      |         |     |         |
| Opportunities for Community Enhancements              |      |         |     |         |