

Appendix D
Financial and Non-financial Benefits Table

| Benefit Category | Benefit Type | Description | Omaha CSO Plan defined benefit? | Driver | | | | | | | Funding Source | | | | | Financial or Enhancement | |
|------------------|--|--|---------------------------------|------------|-----|----|----------|---------------|----------------|-----------------|----------------|---------------|----------|--------------------|-----------------|--------------------------|--|
| | | | | Regulatory | CSO | WW | Drainage | Water Quality | Infrastructure | Quality of Life | All WW rates | City WW rates | SW funds | City General Funds | No source/Other | | |
| Public Works | Combined Sewer Overflow Control | Achieves or exceeds regulatory requirement for CSO Control as single technology employed | | | | | | | | | | | | | | Financial | |
| | | Used in conjunction with other CSO controls – reduces size or cost of those facilities | | X | X | X | | | | | X | | | | | | |
| | | Reduce Volume of Overflow in residual CSO discharge events | | | | | | | | | | | | | | | |
| Public Works | Basement Backup Reduction / Odors | Reduces existing basement backup (performance standard for City separation projects). <i>This category emphasizes those alternatives that in conjunction with addressing the effects of CSOs on receiving streams, would either reduce the number of sewer backups and/ or reduce odors that occur at different locations within the system.</i> | Yes | | | | X | | | | X | | | | | Financial | |
| Public Works | Reduction of Surface or Street Flooding Problems | Reduces existing street flooding (performance standard for all new sewer projects). <i>This category emphasizes those alternatives that in conjunction with addressing the effects of CSOs on receiving streams, would reduce the backup of stormwater on to the City's streets.</i> | Yes | | X | | X | X | X | X | X | X | | | | Financial | |

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| | | | | Regulatory | CSO | WW | Drainage | Water Quality | Infrastructure | Quality of Life | All WW rates | City WW rates | SW funds | City General Funds | | No source/Other |
| Public Works | Improved Level of Service | Helps achieve 2-year capacity standard | | | | | X | X | | | | X | X | | | Financial |
| | | Helps achieve 10-year capacity standard | | | | | X | X | | | | X | X | | | Financial |
| | MS4 Permit "Requirements" | Achieves stormwater regulatory requirements; supports required elements of TMDL program | | X | | | | X | | | | | X | | | Financial |
| | Stormwater/ Water Quality Enhancements | <i>Water quality improvements in the receiving streams above and beyond the minimum regulatory requirements to comply with state and federal regulations. This criterion also includes consideration for stormwater quality regulations that may be required in the future. The water quality parameters include bacteria, TSS, and floatables.</i> | Yes; 14 | | | | | | X | | | | | X | | Enhancement |
| | Reduce Streambank Erosion | | | | | | | | X | | | | | X | | Enhancement |
| | Wastewater Treatment | Reduces volume of wastewater to be treated at WWTP | | | X | | | | | | | X | | | | Financial |

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| | | | | Regulatory | CSO | WW | Drainage | Water Quality | Infrastructure | Quality of Life | All WW rates | City WW rates | SW funds | City General Funds | | No source/Other |
| Public Works | Simplicity of Solutions | <i>The simplicity of the operations and maintenance of the proposed facilities and the reliability of the facilities to function during wet weather events. This category emphasizes proven technologies that are locally applicable.</i> | Yes | | X | | | | | | | | | | | Enhancement |
| | Opportunities for Infrastructure/Utility Improvements | <i>The potential for replacement of aging infrastructure, including: street and sidewalk improvements, burying overhead power lines, water main, gas main and sewer replacement.</i> | Yes | | X | | | | X | X | | | | | | Enhancement |
| Environmental Benefits (Quantitative) | Air Quality | Sulfur Dioxide (SO ₂) reduction | | | | | | | X | | | | | X | | |
| | | Nitrogen Dioxide (NO ₂) reduction | | | | | | | X | | | | | X | | |
| | | Ozone (O ₃) reduction | | | | | | | X | | | | | X | | |
| | | Particulate Matter < 10 micrometers (PM-10) reduction | | | | | | | X | | | | | X | | |
| | | Particulate Matter < 2.5 micrometers (PM-2.5) reduction | | | | | | | X | | | | | X | | |
| | Climate Change Mitigation | CO ₂ reduction | | | | | | | X | | | | | X | | |

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| Environmental Benefits (Quantitative) | Energy Savings | Resulting from Green Roof | | | | | | | | X | | | | | X | |
| | | Resulting from Tree Shading | | | | | | | | X | | | | | X | |
| | Salt/ Deicer Use Reduction | Resulting from the use of Permeable Pavement. | | | | | | | | X | | | X | | | |
| | Infiltration | Resulting from the volume of water directed to infiltration practices | | | | | | | | X | | | | | X | |
| Societal Benefits | Minimizing Community Disruption | <i>The minimization of community disruption that would occur during construction of CSO solutions, including: Minimizing neighborhood and business disruption; Minimizing community traffic impacts</i> | Yes | | | | | | | X | | | | | X | |
| | Compatibility with Community | <i>The long term compatibility of an alternative with the community, considering aesthetics and other benefits of the proposed facilities such as: consistency of solutions with existing zoning; historic preservation of community; remediated contamination; compatibility with neighborhood; restoration of property after project; aesthetics of solution (footprint, noise, odors, traffics, and proximity); safety.</i> | Yes | | | | | | | X | | | | | X | |

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| Societal Benefits | Opportunities for Community Enhancements | <i>This criterion includes 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. Examples include: Coordination with future development; potential hiking/ biking trail routes; potential green space and parks; enhancement of streetscapes</i> | Yes | | | | | | | X | | | | | X | |
| | Recreation Increase | Resulting from the presence of substantial green space. | | | | | | | | X | | | | | X | |
| | Aesthetics Increase (property value increase) | Resulting from the presence of substantial green space. | | | | | | | | X | | | | | X | |
| | View Increase (property value increase) | Resulting from the presence of a green roof below a residence | | | | | | | | X | | | | | X | |
| | Urban Heat Island Reduction | Resulting from the presence of vegetative cover | | | | | | | | X | | | | | X | |

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| Societal Benefits | Landscape Job Creation (Avoided cost of social services) | Resulting from the presence of landscaping and vegetative stormwater practices | | | | | | | | X | | | | | X | |
| Environmental Benefits | Water Quality Improvement | Resulting from a decrease in waterborne pollutants | | | | | | X | | X | | | | | X | |
| | Ecosystem Integrity | Resulting from the preservation of natural habitat | | | | | | X | | X | | | | | X | |
| | Habitat Improvement | Resulting from increased green space | | | | | | X | | X | | | | | X | |
| | Wetland Enhancement | Resulting from the increase in wetland area | | | | | | X | | X | | | | | X | |