

**FISCAL YEAR 2016-2017 Work Plan
For the Interlocal Agreement on Stormwater Management
April 2016**

1) NPDES Administration: The City of Lincoln (City) and the Lower Platte South Natural Resources District (NRD) will continue to explore enhancements to provide comprehensive, effective and consistent review, inspection, implementation and enforcement of National Pollutant Discharge Elimination System (NPDES) items, especially related to erosion and sediment control and Post Construction standards (i.e. water quality Best Management Practices). City is the lead agency.

- Cost share from the NRD is \$25,000
- Cost share from the City for current Erosion and Sediment Control staff is approximately \$125,000 with funding from the FY2016-17 operating budget and state grant funds

2) Regional Storage Facilities: The City and NRD will explore alternatives to develop a funding mechanism to build regional storage facilities where feasible with the cooperation of landowners and developers and to cooperate where practical and feasible with other entities to design and construct storage facilities. Once a funding mechanism is developed and facilities are built the NRD may operate and maintain the facilities in cooperation with City.

- Potential Salt Creek Study with a third cost share each (approximately \$80,000 each or less) from the business community, City and NRD (NRD lead).
- Middle Beal Slough Over Detention Project (City lead) and Pine Lake Park Detention project (NRD lead). Cost share is \$150,000 from the NRD and \$150,000 from the City

3) Ordinance and Standards Updating: The City and the NRD will examine the need to update the floodplain and stormwater standards and propose revisions as necessary. Such items may include updating the Lincoln Municipal Code, Drainage Criteria Manual, Lincoln Standard Plans, Lincoln Design Standards and Post Construction Standards.

4) Legislative Issues and Grant Writing: The City and NRD will work with other agencies, communities, citizens and legislators to coordinate on state legislative and funding issues related to floodplain and stormwater.

5) Floodplain and Stormwater Education: The City and NRD will jointly work on public information and involvement programs to educate city staff, contractors, developers, engineers, and the public regarding floodplains and stormwater, especially related to erosion and sediment control and Post Construction standards.

6) Water Quality Monitoring: The City will continue water quality monitoring and other stormwater related services deemed necessary by the City and NRD. It is planned to continue contracting with UNL for Dry Weather Storm Drainage Assessment and to continue the current five year cycle of wet weather monitoring. City is the lead agency.

- The cost share from the NRD is \$35,000
- The cost share from the City is estimated to be \$60,000 with funding from state grant funds

7) Master Plan Implementation: The City and the NRD will contribute toward improvement projects for Master Planned basins. These improvement projects are anticipated to include such projects as stream bed and bank stability measures, stormwater storage facilities, wetlands, floodplain preservation, engineering, easements and land acquisition as generally identified in and consistent with the goals in basin plans (e.g. Watershed Master/Basin Plans/Conservation Plans) approved by the City and NRD. The City and NRD will continue to develop a plan and schedule for design, right-of-way and implementation of projects.

Master Plan Implementation projects are anticipated to include some or all the projects and project areas listed below and may include additional projects to be developed jointly by the City and NRD during the Work Plan period. City funds are from stormwater bond funds.

- Deadmans Run Flood Reduction Project -Deadmans Run Reconnaissance Study (COE lead with NRD as the principal partner), \$200,000 each cost share from the NRD and the City. Note 50% of the funding for the study is from the COE of Engineers
- Salt Creek Stream Stability Projects - projects near Old Cheney (SSC-4), near Pioneers (SSC-5), and south of Old Cheney (SSC-3) , \$590,000 each
- Cardwell Branch Stream Bank Gap project (CB-9) (City lead), \$65,000 each
- Stream Rehabilitation on Parks Property – channel repairs for Rudge/Stransky/Irvingdale Parks (SSC-2) (City lead), \$300,000 each
- Others as identified before or during this interlocal, with cost shares and the lead agency decided on a case by case basis

8) Other Projects: The City and the NRD will contribute toward improvement projects that are not included in an approved Stormwater Master Plans. These projects could include water quality, water quantity and/or floodplain projects. City funds are from stormwater bond funds.

- N. 56th Street & Morton Drainage Way final design (City lead), \$95,000 each. Note: This is for the local cost share which is 25% of the design with the remaining 75% from federal cost share with FEMA. Subsequent construction funding is expected to be \$305,000 each for the local 25% cost share
- Antelope Creek trail undercrossing projects at 84th Street and at Old Cheney (City lead), \$110,000 each
- Forest Lake Blvd flood reduction project. Funding for design if HMGP or PDM grant is approved (City lead), \$50,000 each
- 14th and Pioneers Ponding (NRD Lead), \$100,000 each.
- Others as identified before or during this interlocal, with cost shares and lead agency decided on a case by case basis

9) Watershed Master Planning: The City and the NRD will initiate work on the drainage Master Plan studies for Oak Creek, Lynn Creek and the Salt Creek Northern Tributaries in late Summer 2016. City funds are from stormwater bond funds.

- Master Planning cost share, \$200,000 each

10) Floodplain/Floodprone Easements and Projects: The City and the NRD will consider purchase of easements or fee title on floodplain/floodprone areas and other structural and nonstructural measures for flood control and preservation. The lead agency will be coordinated on a project by project basis. City funds via the 2016 stormwater bond are not allocated for this item

- Floodplain/Floodprone cost share, \$100,000 each (City share dependent upon available funds)
- Any projects to be identified before or during this interlocal, with cost shares and the lead agency decided on a case by case basis

11) Flood Warning System: The NRD will cooperate with Lincoln and Lancaster County to operate and enhance the Salt Creek Flood Warning System.

- The cost share from the NRD is \$35,000 (lead agency)
- The cost share from the City is \$25,000 with funding from the FY2016-2017 operating budget.

12) Green Streets Projects: The City and the NRD will continue to coordinate and provide funding for Green Street projects that incorporate water quality practices into major street improvement projects. City funds are from stormwater bond funds (Street Drainage Funds or Water Quality Project funds) and/or state grants.

- Any projects identified before or during this interlocal, with cost shares and lead agency decided on a case by case basis

13) Stormwater BMP Demonstration Projects: The City and the NRD will consider opportunities for demonstration projects of stormwater best management practices on a case-by-case basis with developers, non-profits, business or similar type entities. City funds are from stormwater bond funds (Water Quality Projects funds) and/or state grants.

- Stormwater BMP cost share, \$400,000 each
- Any projects to be identified before or during this interlocal, with cost shares and the lead agency decided on a case by case basis

14) Watershed Master Plan Project Inspection, Operation & Maintenance: It is planned that the City and NRD will periodically inspect, operate, and maintain all completed Watershed Master Plan Projects and conservation easements. City is the lead agency except for master Planned Projects in the county lead by the NRD or those associated with NRD conservation easements.

- Cost share from the NRD is \$5,000
- Cost share from the City is \$5,000 from the operating budget

15) Cost Summary: The total cost to the City and NRD according to this work plan in FY 2016-2016 is estimated to be \$5,805,000.

- The cost share from the NRD for 2016-17 is estimated to be \$2,845,000 and is subject to NRD Board approval of the proposed NRD FY 2016-17 Budget (NRD Fiscal year starts July 1, 2016).
- The cost share from the City for 2016-17 is estimated to be \$2,960,000 and is subject to the City approval of the general budget for FY2016-18 and a proposed future stormwater bond subject to City and voter approval May 10, 2016. The City fiscal year starts September 1, 2016.

Some of the cost share from the City is projected to come from 319 funds through the Nebraska Department of Environmental Quality or State stormwater grants, as available.

16) Summary Report: The City in September 2017 will prepare an annual report of activities and accomplishments to be reviewed by the NRD.

IN WITNESS WHEREOF, the District and the City have caused these presents to be executed by their duly authorized officials as of the date below indicated.

Executed by the City this _____ Day of _____ 2016

CITY OF LINCOLN, NEBRASKA

City Clerk

Chris Buetler, Mayor

Executed by the NRD this 19 Day of May 2016
LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT



Glenn Johnson, General Manager