

# CITY OF TULSA

## **2005 BOND ISSUE**

### Project Selection Criteria

#### **Transportation/Streets**

- Non-Arterial Streets Rehabilitation
  - Projects considered but not included in previous funding packages
  - Streets ranked by the Pavement Condition Index (PCI)
  - Project Allocation Goal based on 2000 Non-Arterial Pavement Management Summary Report
  - Includes all infrastructure within R/W
  - Citizen requests/public meetings
  - \_\_\_\_\_
  
- Arterial Streets Rehabilitation
  - Streets ranked by the Pavement Condition Index (PCI)
  - Project Allocation Goal based on 2002 Arterial Pavement Management Summary Report
  - Streets not identified for widening under the capital improvement plan
  - May include sidewalk and other infrastructure within R/W
  - \_\_\_\_\_
  
- Arterial Widening (Engineering Only)
  - Projects previously funded for partial design, phased funding
  - New projects with streets that have the highest percent over capacity (high volume to capacity ratio)
  - Conforms to Major Street and Highway Plan
  - Coordination with others (i.e. State, County, private sector development)
  - \_\_\_\_\_

- Bridge Rehabilitation/Replacement
  - Sealing
    - Bridges spanning a railroad, roadway or waterway
    - Bridges with a Sufficiency Rating (SR) above 80
    - Box culvert type bridges not considered
    - Bridges that have expansion and fixed joints in need of rehabilitation
    - Recommended by the bridge inspection consultant
  - Rehabilitation
    - Bridges with a Sufficiency Rating (SR) above 70
    - Bridges that are not Functionally Obsolete (FO) or Structurally Deficient (SD)
    - Bridges are not posted with load limit
    - Recommended by the bridge inspection consultant
  - Replacement
    - Bridges that are identified as Functionally Obsolete (FO)
    - Bridges that are identified as Structurally Deficient (SD)
    - Bridges posted with load limit
    - Recommended by the bridge inspection consultant
- Expressway/Parkway Projects
  - Supports economic development and community growth

### **Sanitary Sewer**

- Collection System Rehabilitation
  - Identified areas with excessive overflows within past three (3) years
  - Areas identified with high inflow/infiltration from Comprehensive Wastewater System Study (2003)
  - Areas with frequent public maintenance complaints
  - Areas with high maintenance costs (defect repairs, line cleaning)

- Areas with defects identified from flow metering and review of TV videos
- Projects to address potential consent orders
- Replace/upgrade existing facilities
- \_\_\_\_\_
- Unsewered Areas
  - Areas not having access to the City’s wastewater collection system and identified by Tulsa City-County Health Department having operational deficiencies causing health concerns
  - Neighborhoods have submitted petitions in accordance with TMUA policy for “unsewered areas”.
  - \_\_\_\_\_
- Capital Sewer Projects
  - Extend infrastructure to serve undeveloped areas attracting industrial, commercial/retail, and residential development
  - \_\_\_\_\_

**Flood Control**

- Channel Repair/Rehabilitation – Citywide
  - Areas with frequent public maintenance complaints (MAC/CIC)
  - Areas with high maintenance costs (defect repairs, channel cleaning)
  - Areas with defects identified from field inspections
  - Effects reduction in flooding
  - Addresses capacity issues
  - \_\_\_\_\_
- Small Drainage Projects
  - New projects which address safety/flooding issues
  - New projects identified the priority listing from the Citywide Master Drainage Plan
  - Areas with frequent public maintenance complaints (MAC/CIC)

- Citizen requests/public meetings
- Effects reduction in flooding
- Addresses capacity issues
- \_\_\_\_\_

- Capital Stormwater Projects

- Effects reduction in flooding
- Addresses capacity issues
- \_\_\_\_\_

**Public Facilities/Homeland Security**

- Capital Facilities Projects

- Enhances security of critical facilities
- Addresses health/safety concerns
- Rehabilitation – deteriorating conditions
- Facilities with high maintenance costs (defects, repairs)
- Extend life of facility
- Reduce operating costs
- \_\_\_\_\_

## **Non-Arterial Street Rehabilitation Project Selection Procedure**

1. A priority listing projects was developed from projects not included in previous funding packages. The selection criteria used was the same as for the 1999 Bond Issue and 2001 Sales Tax Program.
2. The City's pavement management system was utilized to develop the Pavement Condition Indices (PCI) for each potential project.
3. Nominal group PCI's were assigned for each maintenance zone as an indicator for prioritization purposes.
4. Grouping potential projects geographically to form subgroups within each maintenance zone developed logical termini that were used to establish project limits.
5. Project allocation goals for Council District were determined based on the 2000 Non-Arterial Pavement Management Summary Report.
6. A preliminary project list prioritized by the PCI's was developed for each Council District.
7. A proposed project list was developed based on the project allocation goals for each Council District and anticipated total funding available for non-arterial street rehabilitation.

## **Arterial Street Rehabilitation Project Selection Procedure**

1. A priority listing of projects was developed by reviewing previous funding packages for street that had not received work and that had not been identified for widening under the capital improvement plan. The selection criteria used was the same as for the 1999 Bond Issue and 2001 Sales Tax Program.
2. The City's pavement management system was utilized to develop the Pavement Condition Indices (PCI) for each potential project.
3. Nominal group PCI's were assigned for each street as an indicator for prioritization purposes.
4. Project allocation goals for Council District were determined based on the 2002 Arterial Pavement Management Summary Report.

5. A proposed project list was compiled by selecting streets within each Council District that had a high priority based upon the PCI or that were identified for safety improvements.