

## **Project Summary**

**Agency: City of Lincoln**

**Division: StarTran**

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Since public acquisition of the Lincoln City Lines in 1971, StarTran has been providing efficient, convenient, and economical public transportation services. The services provided comply with the current 2025 Comprehensive Regional Plan. Previous capital improvement programs have included equipment essential in StarTran's provision of services. The FY 2004-2010 CIP describes capital items which will afford the opportunity for continued improvement of StarTran services. Future years include continued replacement of additional StarTran transit vehicles and purchase of associated equipment/items.

### **Project 1. Purchase of Full-size Buses**

A phased purchase of full-size replacement transit buses is identified, as follows:

| <u>Buses Purchased</u> | <u>Funding Accumulated</u>           | <u>Potential Replacement Buses</u> | <u>Delivery</u> |
|------------------------|--------------------------------------|------------------------------------|-----------------|
| 12                     | F.Y. 2004-05 through<br>F.Y. 2006-07 | 8 1986 & 4 1993<br>Flexible Buses  | F.Y. 2006-07    |
| 15                     | F.Y. 2007-08 through<br>F.Y. 2011-12 | 15 1997 Gillig<br>Buses            | F.Y. 2011-12    |

Local funding for the above purchases is comprised of City of Lincoln General Revenues (GR), Special Reservers (SR) and the portion of the contractual funds from the University of Nebraska (StarTran/UNL Transportation Program) designated for vehicle replacement. The Federal Transit Administration (FTA) regulations allow phasing of buses as an alternate to the traditional direct purchase of buses. FTA requires that full-size transit vehicles have a twelve year economic life, although StarTran typically operates buses more than twelve years before replacement. All of the current buses being replaced as indicated above will have exceeded the required twelve years of operation. An analysis of the structural and engine conditions of the StarTran fleet is conducted annually, which is utilized to develop the replacement program of StarTran buses. The above phased bus replacement schedule is in compliance with the most recent analyses and bus replacement program.

### **Project 2. Bus Storage Facility Expansion**

The current bus storage facility, built in 1986, was designed to accommodate 35 foot buses. All bus manufacturers are now primarily offering only the redesigned low-floor transit vehicles. Such redesigned vehicles are consistently 36 foot in length, one foot longer than the 35 foot previously-manufactured vehicles. In order to now store the same number of the 36 foot buses, and comply with fire codes, the storage facility must be expanded by approximately 6 feet. Such expansion will be necessary prior to the scheduled FY 2006-07 purchase of 12 replacement buses. As such, funds are included in FY 2005-06 for expansion of the bus facility.

**Project Summary (Continued)**

**Project 3. Purchase of Supervisor Vehicles**

Funds are proposed in FY 2005-06, FY 2007-08 and FY 2009-10 to purchase three replacement supervisor vehicles. The vehicles to be replaced are a 1996 Dodge Intrepid, 1999 Chevy Venture and a 2002 Dodge Durango. Analyses are conducted evaluating the vehicle conditions and which will justify the need to replace the three subject vehicles. The larger SUV and mini-van supervisor vehicles, with 7-9 seats, is meeting the unique needs of StarTran supervisors, transporting supplies and schedules, and carrying patrons as necessary.

**Project 4. Shop Tools/Equipment**

Funds are proposed in each fiscal year for continued routine upgrade and replacement of tools and equipment, as well as for replacement due to unexpected breakage. Such tools and equipment include bus freon recovery unit, additional brake lathe, and on-going replacement of garage doors.

**Project 5. Computer Hardware/Software**

Funds are proposed in FY 2005-2006, FY 2007-08 and FY 2009-10 for continued routine upgrade/replacement of StarTran computer hardware and software. Such funding will afford the opportunity for maintaining effective computer services for StarTran administration, operators, and maintenance functions. Staff training courses utilizing computerized programs are integrated as part of the continuing StarTran training program.

**Project 6. Purchase Transit Enhancements**

Effective FY 2004-05, one percent of the FTA allocation to StarTran is required by FTA to fund transit enhancements. Such enhancements, in general, include bus shelters, signage, art, pedestrian, bicycle-related equipment and landscaping. Initially, such funding will be directed to the rehabilitation of the 11th & "O", Gold's passenger facilities, now over 20 years old. When such rehabilitation is completed, other such eligible facilities will be addressed. The purchase of bus shelters, originally scheduled for replacement in FY 2006-07, are not necessitated at this time due to an adequate supply, so propose to defer replacement at a later time.

**Project 7. Purchase of Security Enhancements**

Effective FY 2004-05, one percent of the FTA allocation to StarTran is required by FTA to fund security enhancements. Such enhancements, in general, include increased facility lighting, camera surveillance, and emergency telephone line to contact security personnel. Funds are included in every year for purchase of security cameras and recording equipment to be installed on all StarTran buses.

**Project 8. Purchase of Replacement Service Vehicle**

Funds are included in FY 2004-2005 to replace the 1980 International sanding truck. This vehicle is utilized by StarTran maintenance staff as a snow removal and sanding vehicle. The StarTran sanding truck is operated in conjunction and cooperation with the Public Works snow removal and sanding program, within areas specific to provision of StarTran services. This vehicle, originally programmed for replacement in FY 2005-06, is currently in poor condition and needs to be replaced sooner than the original schedule, thus necessitating the scheduled replacement in FY 2004-05. Additional funds have been allocated to this project to reflect updated costs.

**Project Summary (Continued)**

**Project 9. Handi-Van Replacement**

Funds are included in 2008-09 to replace current (purchased in 2003) Handi-Van Vehicles. Federal Transit Administration specifies that Handi-Van type vehicles have an operational economic life of five years.

**Project 10. Floor Scrubber**

Funds are included in FY 2007-08 for the replacement of a floor scrubber. The current scrubber was purchased in 1982 and will have exceeded its normal operating life. The scrubber would be utilized on all garage floors to effectively clean oil, grease and dirt build-up.

**Project 11. Heating System**

Funds are included in FY 2007-08 to replace the heating system in the central bus storage area. The current system was installed in 1988 and its economic life will have been passed.

**Project 12. "G" Street Building Roof**

Funds are included in FY 2006-07 to replace the roof located at 7th and "G" street. This building is currently used as an additional bus and parts storage area. The current roof is at least 30 years old and there is considerable leaking and deterioration on the roof. StarTran shares the building with Lincoln Parks & Recreation and Lincoln Fire Department. The funds programmed by StarTran will cover half the cost of replacing the roof. The Parks & Recreation and Fire Departments will be expected to cover the rest of the cost. This project, originally programmed for replacement in FY 2007-08, is currently in poor condition and needs to be replaced sooner than the original schedule, thus necessitating the scheduled replacement in FY 2006-07.

**Project 13. Implement AVL System**

Funds are included in 2004-05 for the implementation of Automatic Vehicle Location (AVL) System on all StarTran buses. The AVL system will allow StarTran dispatchers to effectively monitor and manage its fleet of buses resulting in increased scheduling and service to patrons. The AVL system project would take advantage of the existing vehicle location communication infrastructure provided by Metro Area Transit in Omaha. Connecting to the existing Metro Area Transit receiver would significantly reduce start-up costs associated with the project. Costs for installation of software for Handi-Van dispatching capabilities are also included in the project. This is the second of the programmed two-year implementation of the StarTran AVL System. \$230,000 of local match funds are requested in FY 2004-05 and 2005-06. The entire \$600,000 (in FY 2004-05) of federal-aid funds are requested.

**Project 14. Purchase Bus Wash System**

Funds are included in FY 2008-09 and 2009-10 for replacement of the drive through bus wash system. The wash system was purchased in 1994 and will have exceeded its normal operating life.

**Project 15. Replace Elevator in Administrative Area**

Funds are included in FY 2007-08 for the replacement of the elevator which provides ADA accessibility to the administrative area.

**List of Projects***Department: Public Works / StarTran*Project  
NumberProject  
Title

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|-----|--|
| 1*  | Purchase of 27 Full Size Buses           |
| 2   | Bus Storage Facility Expansion           |
| 3*  | Purchase of Supervisor Vehicles          |
| 4*  | Shop Tools/Equipment                     |
| 5*  | Computer Hardware and Software           |
| 6*  | Purchase of Transit Enhancements         |
| 7*  | Purchase of Security Enhancements        |
| 8*  | Purchase of Replacement Service Vehicles |
| 9*  | Handi-Van Replacement                    |
| 10* | Floor Scrubber                           |
| 11* | Purchase Heating System                  |
| 12  | "G" Street Building Roof                 |
| 13* | Implement AVL System                     |
| 14  | Purchase Bus Wash System                 |
| 15  | Replace Elevator in Administrative Area  |

\* Indicates project is NOT shown on the map.