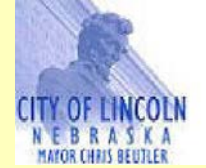




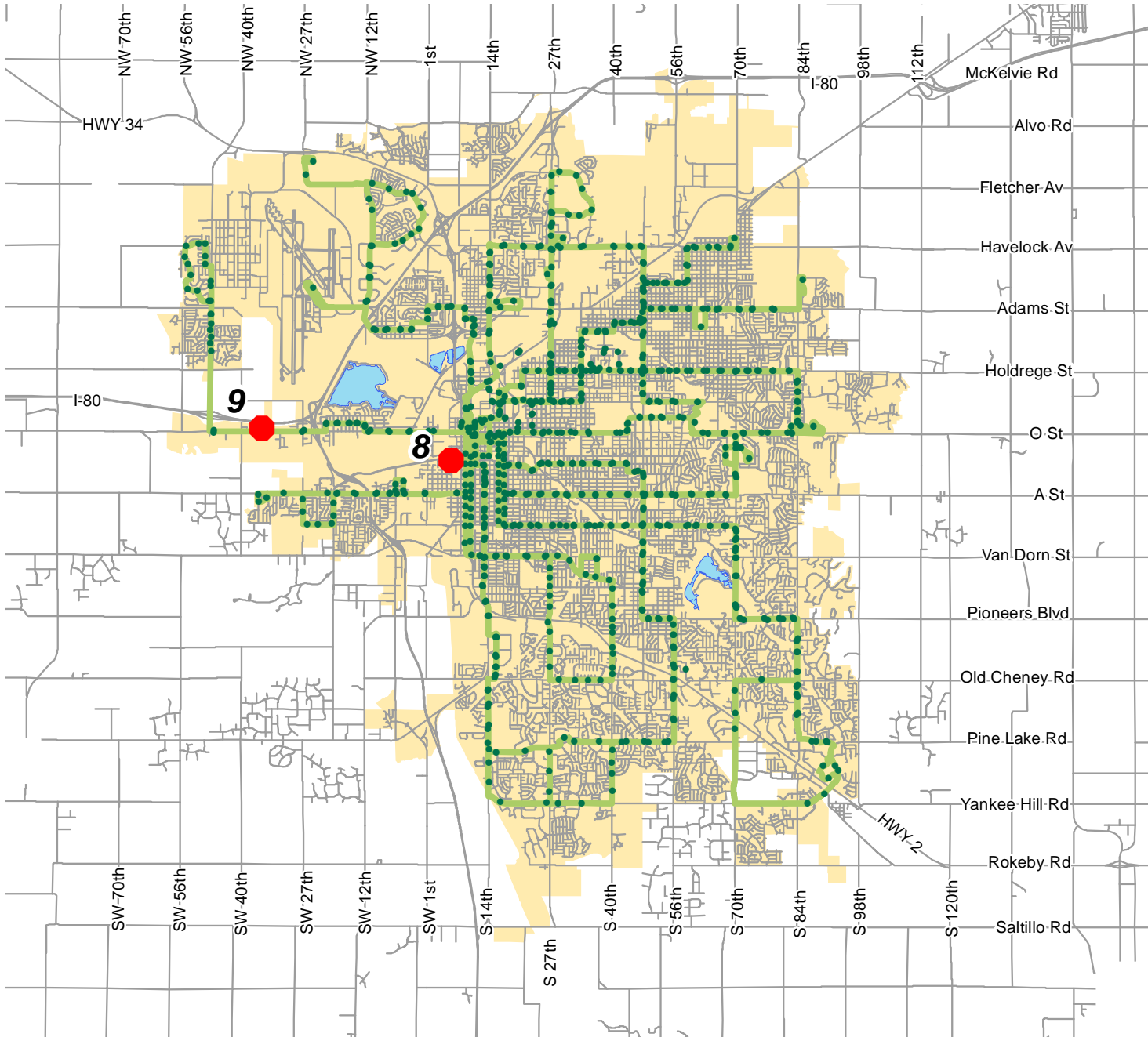
City of Lincoln: StarTran

Lincoln Metropolitan Planning Organization
Transportation Improvement Program

Star Tran
FY 2020 - 2023



- Star Tran Projects
- #8** Building Renovation
- #9** Maintenance Facility



Consult the detailed project descriptions and funding summary for further information.

2020-2023 LINCOLN CITY/LANCASTER COUNTY, NEBRASKA TRANSPORTATION IMPROVEMENT PROGRAM		AGENCY: City of Lincoln DIVISION: StarTran																		
PROJ NO (Map)	PROJECT (Location & Distance) (Improvement Description) (Control Number)	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS)																		
		PRIORITY PROJECTS					COST BEYOND PROGRAM	TOTAL PROJECT COSTS												
		PRIOR FISCAL YEARS	FS	FS	FS	FS														
		2019-20	2020-21	2021-22	2022-23															
1	<p>Since the 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 LPlan 2040 Comprehensive Plan - 2016 Update. Previous capital improvement programs have included equipment essential in StarTran's provision of services. The FY 2020-2023 TIP describes capital items which will afford the opportunity for continued improvement of StarTran services. Future years include continued replacement of StarTran transit vehicles and purchase of associated equipment/items.</p> <p>Purchase / Financing of Full Size Buses and Related Equipment A phased purchase of full-size replacement transit buses is identified as follows:</p> <table border="0"> <tr> <td><u>Buses Purchased</u></td> <td><u>Funding Accumulated</u></td> <td><u>Potential Replacement</u></td> <td><u>Delivery</u></td> </tr> <tr> <td>4</td> <td>FY 2015-16 through FY 2017-18</td> <td>4 - 2001 Gillig Buses</td> <td>CY 2019</td> </tr> <tr> <td>9</td> <td>FY 2019-20 through FY 2020-21</td> <td>9-2004 Gillig Buses</td> <td>CY2020</td> </tr> </table> <p>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 schedule of StarTran buses. The above phased bus replacement schedule is in compliance with the most recent analysis and bus replacement program.</p> <p>a. 4 Full Size Buses</p> <p>b. 9 Full Size Buses, 3 Charging Stations</p> <p style="text-align: right;">TOTAL</p>	<u>Buses Purchased</u>	<u>Funding Accumulated</u>	<u>Potential Replacement</u>	<u>Delivery</u>	4	FY 2015-16 through FY 2017-18	4 - 2001 Gillig Buses	CY 2019	9	FY 2019-20 through FY 2020-21	9-2004 Gillig Buses	CY2020							
<u>Buses Purchased</u>	<u>Funding Accumulated</u>	<u>Potential Replacement</u>	<u>Delivery</u>																	
4	FY 2015-16 through FY 2017-18	4 - 2001 Gillig Buses	CY 2019																	
9	FY 2019-20 through FY 2020-21	9-2004 Gillig Buses	CY2020																	
2	<p>Handi-Van Replacement Funding in FY2018-19 to replace 2 Handivans in 2018 with 3 minivans. . Current 2010 handivans are hybrid electric and will be 8 years old and past their useful life. New handivans are programmed to use gasoline or CNG fuel.</p> <p style="text-align: right;">TOTAL</p>																			
3	<p>Transit Enhancements (required by FTA) 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, pedestrian, bicycle related equipment and landscaping. The priority of these funds will be directed towards replacement of benches and shelters at major boarding locations.</p> <p style="text-align: right;">TOTAL</p>																			
4	<p>Security Enhancements (required by FTA) 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 facility access. The funding will be used for 1) StarTran facility security enhancements, 2) bus shelter lighting improvements and 3) on-board bus camera upgrades.</p> <p style="text-align: right;">TOTAL</p>																			

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		PRIOR FISCAL YEARS	FS	FS	FS	FS		
5	Purchase of Supervisor Vehicle Funds are proposed in FY 2020-21 to purchase one replacement supervisor vehicle. The vehicle to be replaced is a 2010 Equinox. This SUV supervisor vehicle is meeting the unique needs of StarTran Supervisors, transporting supplies and schedules, and carrying patrons as necessary. Due to limited federal and local funds, replacement vehicle will be the lower cost of either gasoline or hybrid / alternative fuels. Propulsion type will be based upon the Alternative Fuel Vehicle Analysis.							
	TOTAL	0.0	0.0	40.0	0.0	0.0	0.0	40.0
6	Computer Hardware and Software Funds are proposed in FY 2019-20 and 2020-21 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. Funding in 2019-20 is to purchase replacement AVL equipment for all vehicles. Funding in 2019-20 is to upgrade software for the AVL system. Funding in FY 2020-21 is to purchase tablets for our Handivans and upgrade the paratransit software.	400.0 FA 100.0 SR	1,040.0 FA 260.0 SR	100.0 FA 25.0 SR				
	TOTAL	500.0	1,300.0	125.0	0.0	0.0	0.0	1,425.0
7	Shop Tools / Equipment Funds are proposed every 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 an air compressor, vehicle lifts and heating improvements.	10.0 FA 2.5 SR	15.0 FA 3.8 SR	15.0 FA 3.8 SR	15.0 FA 3.8 SR			
	TOTAL	12.5	18.8	18.8	18.8	0.0	0.0	56.4
8	Building Renovations / Improvements Funds are included in FY 2019-20 for concrete replacement, new roof located over dispatch and middle garage, new garage doors, new LED lighting and new HVAC system. The current roof was installed in 1997 with a 15-year warranty and was 21 years old in 2018. The condition of this roof is showing signs of deterioration.		160.0 FA 40.0 SR					
	TOTAL	0.0	200.0	0.0	0.0	0.0	0.0	200.0
9	Maintenance Facility Construction / Relocation A. Funds are proposed in FY 2018-19 to begin construction of a new bus maintenance facility with the first phase including purchase of land and construction of CNG fueling station. B. Purchase and install a CNG fueling station at current StarTran facility for handi-van vehicles.	3,160.9 FA 825.0 ST 736.3 SR 400.6 FA 80.1 SR						
	TOTAL	5,202.9	0.0	0.0	0.0	0.0	0.0	0.0
10	Multi Modal Center - Feasibility Study Conduct a study to determine the feasibility of construction of a new multi modal center and bus transfer center. Topics to study include site selection, environmental issues and funding.	100.0 FA 50.0 SR						
	TOTAL	150.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Bus Stop Improvements Implementation of design standards for bus stop improvements. This will include bus pads, benches, shelters, sidewalk connections and design.	168.0 FA 42.0 SR	108.0 FA 27.0 SR					
	TOTAL	210.0	135.0	0.0	0.0	0.0	0.0	135.0
12	Electric Charging Station Purchase and install 2 electric charging stations for use with electric buses.	258,312 FA 64,578 GR						
	TOTAL	322,890	0.0	0.0	0.0	0.0	0.0	0.0

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		PRIOR FISCAL YEARS	FS 2019-20	FS 2020-21	FS 2021-22	FS 2022-23			
13	Autonomous Shuttles (Micro-AV) Funding to lease 4 Micro-AV shuttles.		200.0 SR	200.0 SR					
	TOTAL	200.0	200.0	0.0	0.0	0.0	0.0	200.0	
	State / Federal	6,182.3	1,387.0	6,785.0	79.0	64.0		8,315.0	
	General Revenue	133.0	0.0	0.0	0.0	0.0		0.0	
	Special Reserves	3,295.1	346.8	784.8	19.8	16.0		1,167.4	
	TOTAL	9,610.4	1,733.8	7,569.8	98.8	80.0	0.0	9,482.4	
	OPERATIONS FUNDING SOURCE SUMMARY								
	Fixed Route Operations & Specialized Transportation Services for Lincoln, NE								
	Section 5307 Preventative Maintenance		1,350.0	1,350.0	1,350.0			4,050.0	
	Section 5307 Operating and JARC - StarTran		75.0	75.0	75.0			225.0	
	Section 5307 Operating and JARC - Lincoln Literacy		10.0	10.0	10.0			30.0	
	Section 5307 ADA		280.0	280.0	280.0			840.0	
	NE (State Revenue/Aid)		1,155.0	1,100.0	1,100.0			3,355.0	
	GR (General Revenues - Local Funds)		6,930.0	7,050.0	7,100.0			21,080.0	
	SC (Service Charges - Local Funds)		3,150.0	3,150.0	3,150.0			9,450.0	
	TOTAL	0.0	12,950.0	13,015.0	13,065.0	0.0	0.0	39,030.0	
	TOTALS FOR STARTRAN FUNDING								
	FEDERAL FUNDING								
	Federal		1,387.0	6,785.0	79.0	64.0		8,315.0	
	Section 5307 Preventative Maintenance		1,350.0	1,350.0	1,350.0			4,050.0	
	Section 5307 Operating and JARC		85.0	85.0	85.0			255.0	
	Section 5307 ADA		280.0	280.0	280.0			840.0	
	SUB-TOTAL FEDERAL FUNDING	0.0	3,102.0	8,500.0	1,794.0	64.0	0.0	13,460.0	
	STATE FUNDING								
	NE (State Revenue/Aid)		1,155.0	1,100.0	1,100.0			3,355.0	
	State / Federal							0.0	
	SUB-TOTAL STATE FUNDING	0.0	1,155.0	1,100.0	1,100.0	0.0	0.0	3,355.0	
	LOCAL FUNDING								
	General Revenues		0.0	0.0	0.0	0.0		0.0	
	GR (General revenues - Local Funds)		6,930.0	7,050.0	7,100.0	0.0		21,080.0	
	SC (Service Charges - Local Funds)		3,150.0	3,150.0	3,150.0	0.0		9,450.0	
	Special Reserves		346.8	784.8	19.8	16.0		1,167.4	
	SUB-TOTAL LOCAL FUNDING	0.0	10,426.8	10,984.8	10,269.8	16.0	0.0	31,697.4	
	TOTAL	0.0	14,683.8	20,584.8	13,163.8	80.0	0.0	48,512.4	
	Notes: Revenue & cost estimates use an inflation rate of 3%								
	STATUS OF PREVIOUS YEARS PROJECTS								
	Projects Completed or Under Contract								