



GARLAND

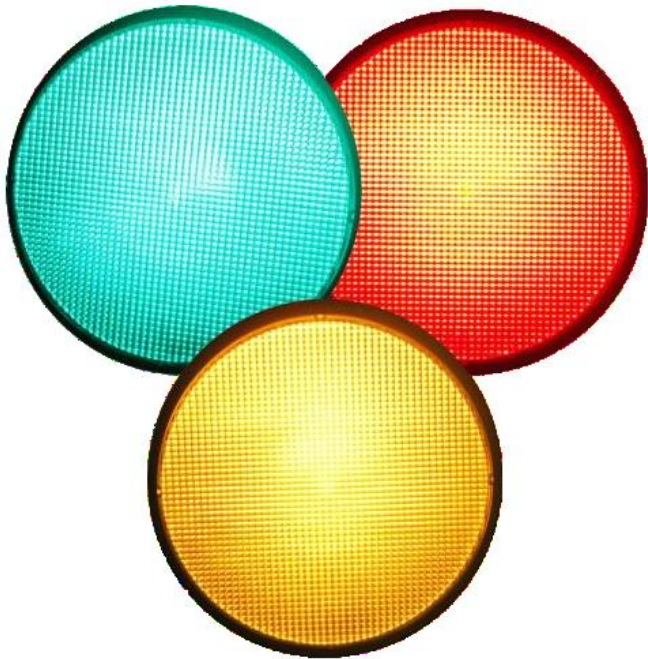
TRANSPORTATION

2018
CAPITAL IMPROVEMENT PROGRAM

Paul Luedtke, Director

LED Replacement Program

2018 Project Cost:	\$50,000
Total Project Cost:	\$505,000
Estimated Completion Date:	Ongoing
Council District:	ALL



- Replacement of LED Traffic Signal Lights
 - 10-year rotation
 - SafeLight-funded

Traffic Control System *(Continued)*

2018 Project Cost: \$885,000
Total Project Cost: \$5,100,000
Estimated Completion Date: 2/2020
Council District: ALL

- ❑ Software and hardware used at 192 intersections and in office to control traffic signals and cameras
- ❑ Installed in 2005



Traffic Control System *(Continued)*

2018 Project Cost: \$885,000
Total Project Cost: \$5,100,000
Estimated Completion Date: 2/1/2020
Council District: ALL

- Field Controllers
 - Software no longer supported
 - Hardware end of life – freezing, failing

- Central Software
 - Software no longer supported
 - Not compatible with current Microsoft server operating systems – presents security concerns



Signal Equipment Modernizations

School Flasher System Replacement

2018 Project Cost: \$1,097,000
Total Project Cost: \$3,410,000
Estimated Completion Date: 2/1/2019
Council District: ALL

- ❑ Cost: \$497,000
- ❑ Field equipment and central software used to program all school flashers in Garland
- ❑ Current system uses pager technology
- ❑ No longer functional
- ❑ Must program all 149 units manually



Signal Equipment Modernizations

Cartograph Upgrade

2018 Project Cost: \$1,097,000
Total Project Cost: \$3,410,000
Estimated Completion Date: 12/31/2018
Council District: ALL

- Cost: \$100,000
- Software database used to keep real time inventory of 30,000 signs and 192 traffic signals
- No longer supported by vendor.



Signal Equipment Modernizations

Traffic Signal Cabinet & Loop Replacement

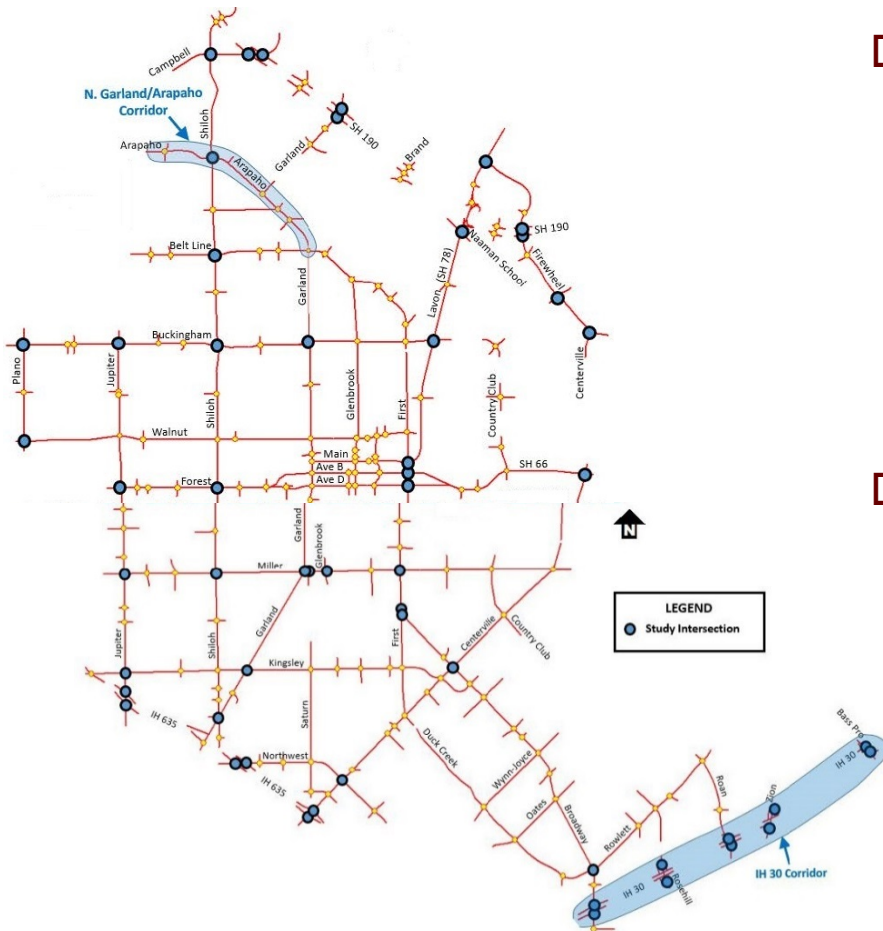
2018 Project Cost: \$1,097,000
Total Project Cost: \$3,410,000
Estimated Completion Date: Ongoing
Council District: ALL

- ❑ Cost: \$500,000
- ❑ 100 of 192 cabinets were purchased in 1989
- ❑ Power supplies and wiring are failing
- ❑ Difficult to find parts



Transit Pass / Bottleneck Relief

2018 Project Cost: \$788,000
Total Project Cost: \$3,203,000
Estimated Completion Date: Ongoing
Council District: ALL



- Original funding in early 1990s
 - Funded projects on Forest and Plano
 - Projects continually delayed, DART now wishes to turn funding over to City
- Recent Bottleneck Study

SUMMARY OF CIP PROJECTS

Project Name	2018 CIP Impact from Actionable Projects
LED Replacement Program	\$ 50,000
Traffic Control System	885,000
Signal Equipment Modernization	1,097,000
Transit PASS / Bottleneck Improvements	788,000
Total	\$2,820,000

QUESTIONS?



GARLAND
TRANSPORTATION