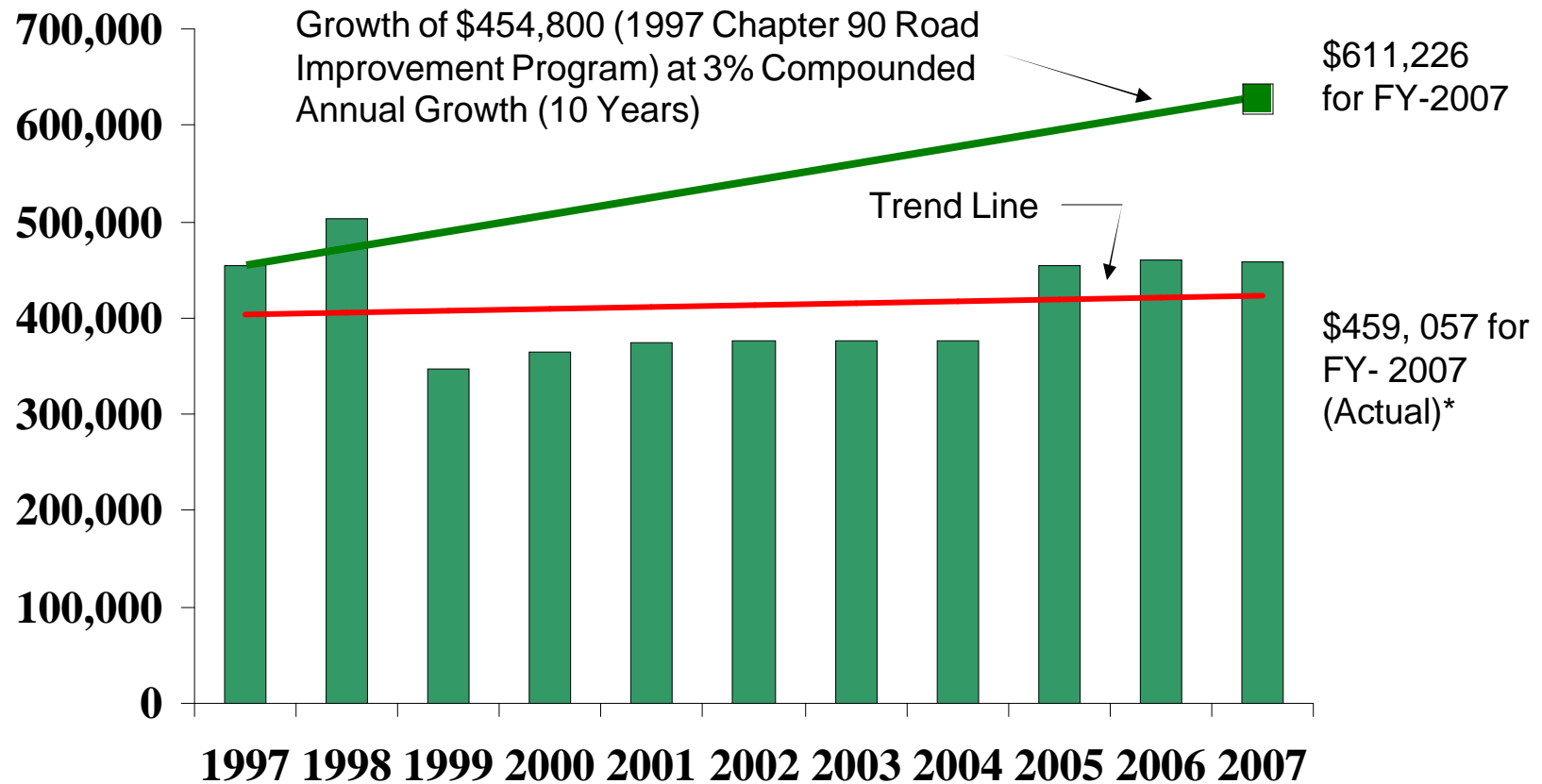




Town of Marshfield Road Improvement Program Revision 3

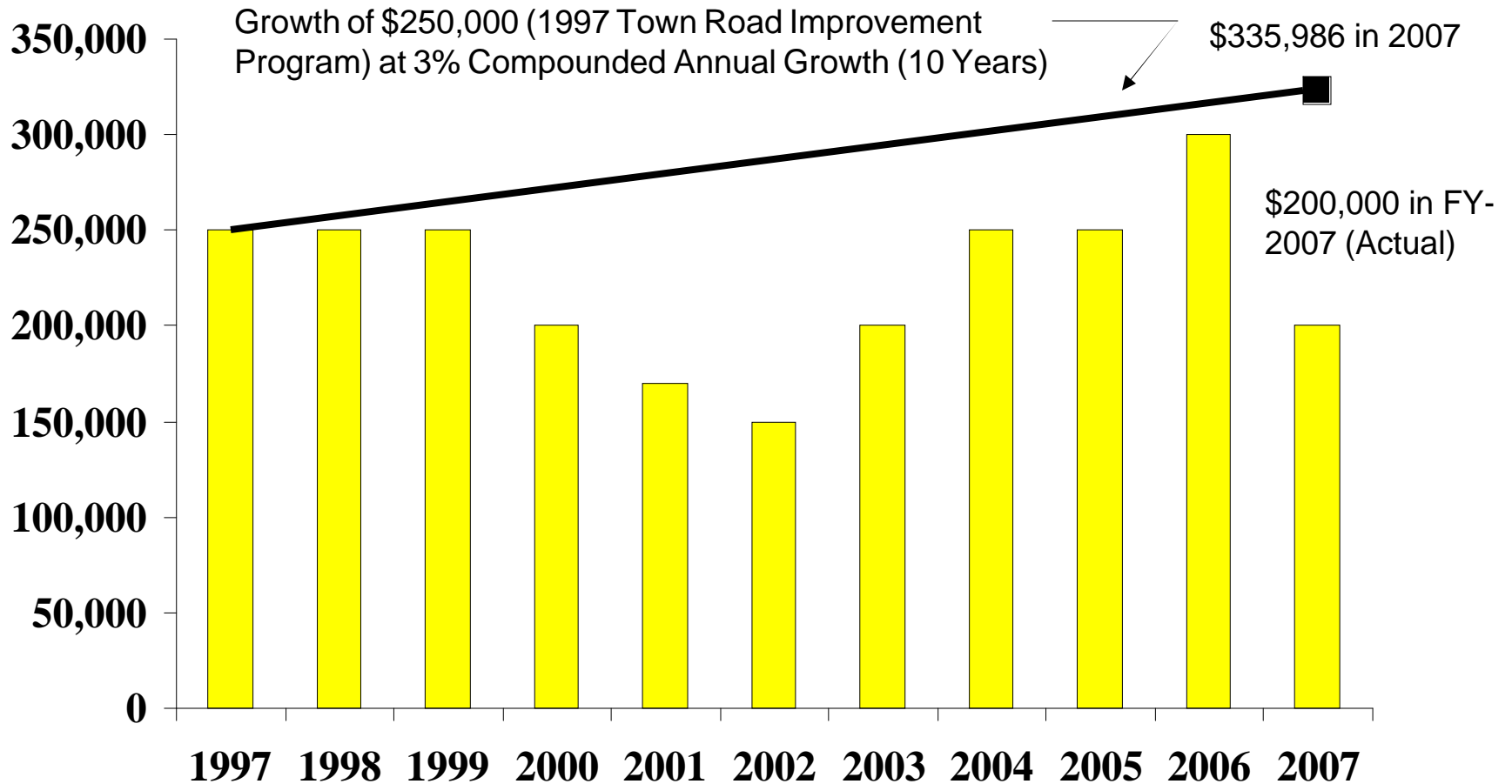
Department of Public Works
31 December 2006

Town of Marshfield Road Improvement Program Funding Chapter 90

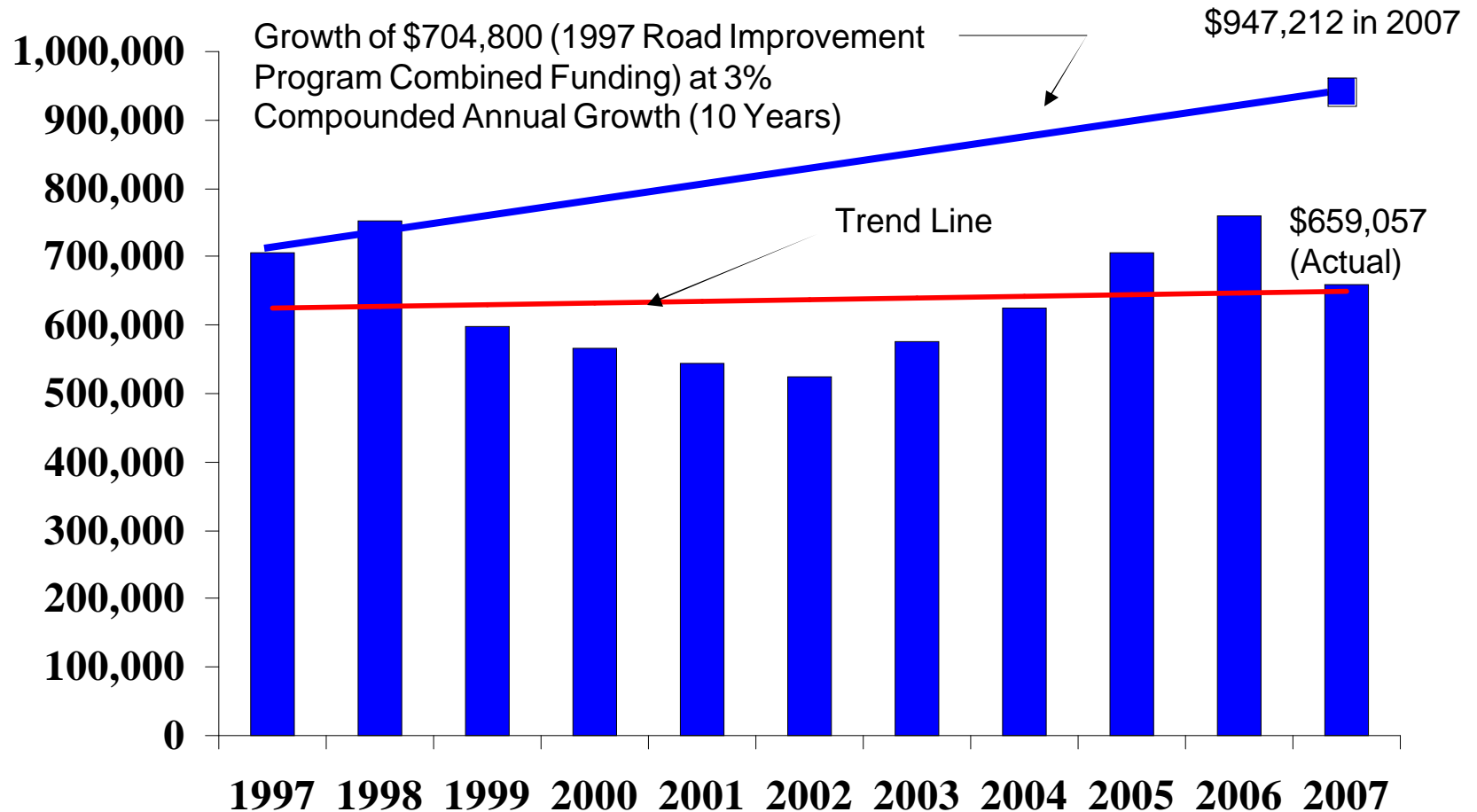


* Excludes FY-2007 Supplemental Funding of \$210,894 that will be used solely for the South River Street Drainage Project

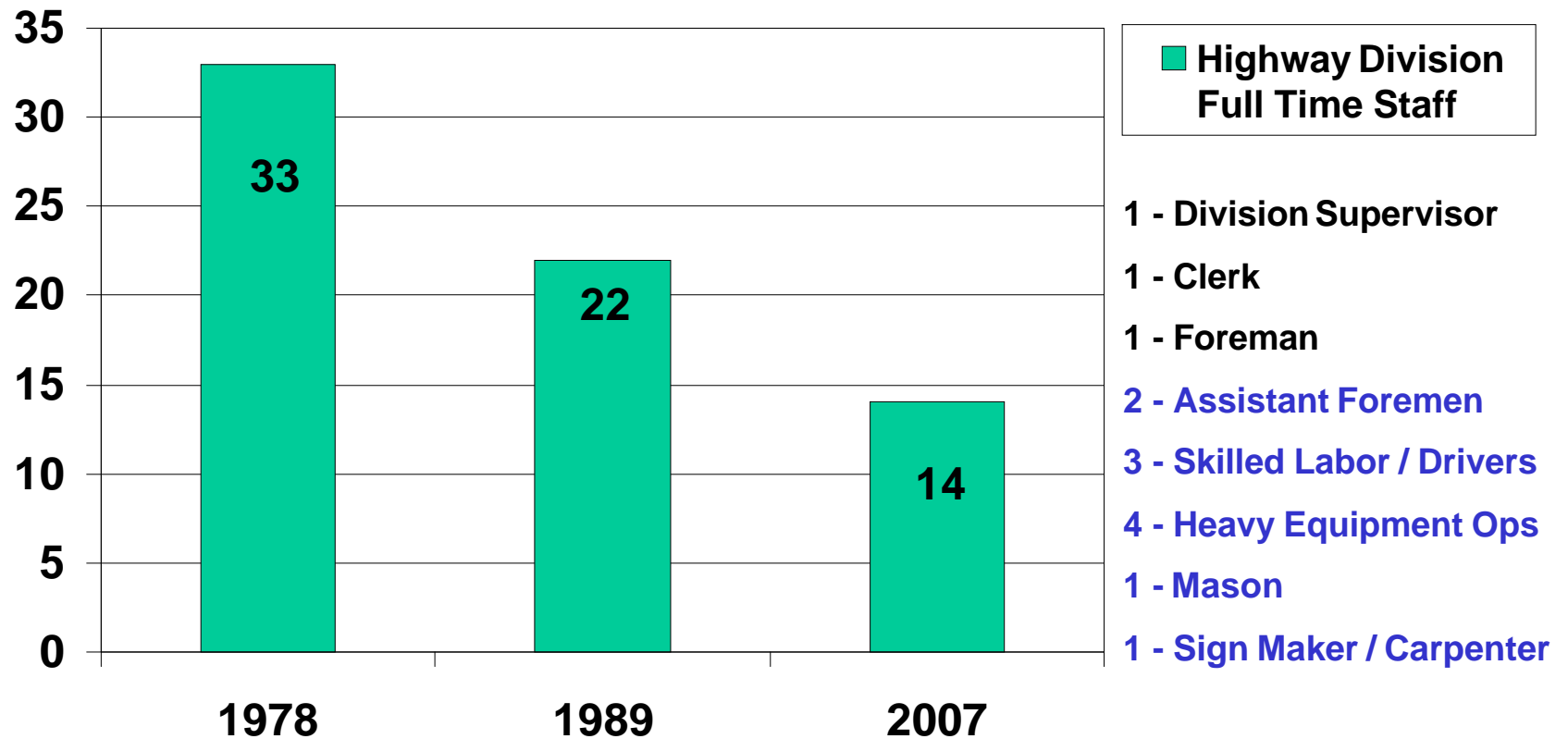
Town of Marshfield Road Improvement Program Funding Town



Town of Marshfield Road Improvement Program Annual Funding Combined Chapter 90 and Town



Town of Marshfield Highway Division Manpower



Town of Marshfield Road Improvement Program

- **Challenge:**
 - More roads, catch basins, manholes and drop inlets;
 - Less funding and less people means less work that can be done.
- **Requirements:**
 - Increase Road Improvement Program Funding (Town and Chapter 90) to \$950,000 to take care of Public Roads accepted prior to 1997;
 - Increase Road Improvement Program Funding (Town and Chapter 90) by an **additional** \$375,000 to take care of Public Roads accepted after 1997;
 - **Sustain moratorium on acceptance of new roads unless funding is available to maintain and repair the roads;**
 - Increase highway division staff by 12 people with additional equipment to repair and maintain road surfaces and drainage structures.

Town of Marshfield

Road Improvement Program

Priority Roads Based on Usage and Public Facilities

- **Without adequate funding and staffing, the DPW will focus on maintaining higher priority roads and drainage structures only (54.825 Miles); remaining roads will only be maintained on emergency basis only, or as funding otherwise allows. The priority roads are:**
 - **Acorn Street / Beach Street / Canal Street / Canoe Tree Street / Careswell Street / Church Street / Clay Pit Road / Damon's Point Road / Dyke Road / Eames Way / Elm Street / Enterprise Drive / Ferry Street / Forest Street / Furnace Street / Grove Street / High Road / Highland Street / Mount Skirgo Street / Oak Street / Ocean Street / Old Main Street / Old Main Street Extension / Old Ocean Street / Old Plain Street / Parsonage Street / Pine Street / Pleasant Street / Plymouth Avenue / Prospect Street / School Street / Sea Street / Snow Road / South River Street / Standish Street / Stratton Avenue / Summer Street / Town Pier Road / Union Street / Valley Path / Webster Street / Winslow Cemetery Road / Winslow Street**

Road Improvement Program

Scope of Work – CY 2006

- **Paving:**
 - Canal Street (Careswell Street to Duxbury Line)
 - Grove Street (Clay Pit Road to South River Street)
 - Parsonage Street (Webster Street to Highway Garage)
 - Pleasant Street (Canoe Tree Street to Highland Street)
 - Summer Street (Church Street to Pond)
- **Micro-Surfacing:**
 - Union Street (Route 139 to Short Street in cooperation with the Town of Pembroke)
- **Drainage Repairs:**
 - Plymouth Avenue
 - South River Street
- **Patch and Crack Seal:**
 - Portion of Country Way, Ocean Street (Old Colony Street to Brant Rock Esplanade), Old Ocean Street, Standish Street, and Winslow Street

Road Improvement Program

Scope of Work – CY 2007

- **Paving:**
 - Plymouth Avenue (Ocean Street to Dyke Road)
 - South River Street (Ferry Street to Grove Street)
 - Sea Street (pending State plan and schedule for Sea Street bridge replacement)
- **Micro-Surfacing:**
 - South River Street (Grove Street to Route 3A)
 - Summer Street (Pleasant Street to Prospect Street)
- **Drainage Repairs:**
 - Ferry Street, Hartford Road, Summer Street
- **Patch and Crack Seal:**
 - Careswell Street
 - Dyke Road
- **Replace Guardrails**
 - Joseph Driebeek Way, South River Street (Kent Park to Ferry Street)

Road Improvement Program

Scope of Work – CY 2008

- **Paving:**
 - Ferry Street (Main Street to Church Street)
 - Foster Avenue (Ocean Street to 13th Road)
 - 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th Roads
 - Brook Street, Joyce Road, and Murray Road
 - Hartford Road, Monitor Road
 - Summer Street (Prospect Street to Route 3A)
- **Micro-Surfacing:**
 - Winslow Street
 - Standish Street
- **Drainage Repairs:**
 - Pine Street
 - Rexhame Drainage Improvement Project
- **Patch and Crack Seal:**
 - Acorn Street
 - Walnut Street

Road Improvement Program

Scope of Work – CY 2009

- **Paving:**
 - Ferry Street (Church Street to Elm Street)
 - Ocean Street (Old Colony Lane to Dyke Road)
 - Pine Street
 - Constitution Road, Constellation Road, Mayflower Road and Farragut Road (following the Rexhame Drainage Improvement Project)
- **Micro-Surfacing:**
 - Acorn Street
 - Walnut Street
- **Drainage Repairs:**
 - Canoe Tree Street
 - Forest Street
 - Spring Street
- **Patch and Crack Seal:**
 - Church Street
 - Elm Street
 - Holly Hill area including but not limited to Dwight Road, Holly Road, Emery Road, Indian Road, Upland Road, and Boles Street

Road Improvement Program

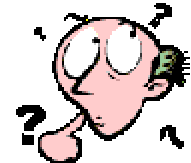
Scope of Work – CY 2010

- **Paving:**
 - Canoe Tree Street
 - Forest Street
 - Island Street
 - School Street
 - Spring Street
- **Micro-Surfacing:**
 - Old Main Street
 - Prospect Street
- **Drainage Repairs:**
 - Highland Street
 - Oak Street
- **Patch and Crack Seal:**
 - Deer Hill area including but not limited to Pinehurst Road, Deer Hill Lane, Idyl Wilde Road, Oak Leaf Dive, Seager Farm Road
 - Ferry Hill area including but not limited to Ferry Hill Road, Grandview Avenue, Preston Terrace, Columbia Road

Town of Marshfield
Road Improvement Program
Growth of Work (excludes State Roads)

	Length of Roads	Catch Basins	Manholes	Drop Inlets
Before 1997	499,256 (94.6 Miles)	1,982	648	71
Added After 1997	203,745 (38.6 Miles)	981	549	39
Total	703,001 (133.1 Miles)	2,963	1,197	110
Change	41%	47%	81%	55%

Apparent expectation that the DPW staff can do over 40% more work with 30% less money and 50% less people!



Town of Marshfield

Road Improvement Program

Cost for Annual Roadway Paving

Public Road Length	703,001 Feet
Public Road Width	24 Feet
Public Road Area	16,872,024 Square Feet 1,874,669 Square Yards
Unit Paving Cost (2006) includes Milling, Paving and Police Details	\$10.69 per Square Yard
Total Paving Cost (2006) includes Milling, Paving and Police Details	\$20,040,021
Annual Paving Budget Requirement	\$1,419,556 * \$1,002,001 **

*To complete paving all Priority (Feeder) roads every 10 years and all other roads every 20 years.

** To complete paving all roads every 20 years.