

PROGRAM DESCRIPTION

Department: Public Safety

HB Section(s): 08.115

Program Name: Crime Laboratory

Program is found in the following core budget(s): Crime Lab

1a. What strategic priority does this program address?

Improve operational effectiveness

1b. What does this program do?

- The Crime Laboratory Division provides forensic science support to the Missouri State Highway Patrol as well as to other law enforcement agencies throughout the State of Missouri by analyzing evidence recovered through criminal investigations.
- The Crime Laboratory Division is responsible for the Offender DNA Profiling program in Missouri and serves as the State CODIS (Combined DNA Index System) Administrator.
- The services the laboratory provides are as follows:
 - Drug Chemistry - conducts analyses of evidence confiscated during investigations involving dangerous drugs and clandestine labs.
 - Toxicology - analyzes blood, urine, and other biological fluids for alcohol and drugs. The Toxicology section performs analyses for a variety of investigation types, including driving while intoxicated (DWI) cases.
 - DNA Casework - works criminal cases involving homicide and sexual assault, as well as other types of crimes. The section locates and identifies biological fluids and obtains DNA profiles from crime scene evidence.
 - CODIS - develops DNA profiles of convicted offenders, arrestees, registered sex offenders, and other samples required by law and uploads the profiles to the CODIS database where they are searched against crime scene DNA profiles.
 - Firearms/Toolmark - receives and examines evidence related to firearms, firearm components, ammunition, expended ammunition components as well as toolmarks, footwear and tire tread impressions.
 - Latent Prints - locates, examines and compares friction ridge impressions that are imparted on items left at crime scenes. Latent prints are entered into AFIS (Automated Fingerprint Identification System) and searched against a database of individuals.
 - Trace Evidence - analyzes evidence from crime scenes such as hairs, fibers, fire debris, explosives, gunshot residue, paint, glass, etc.

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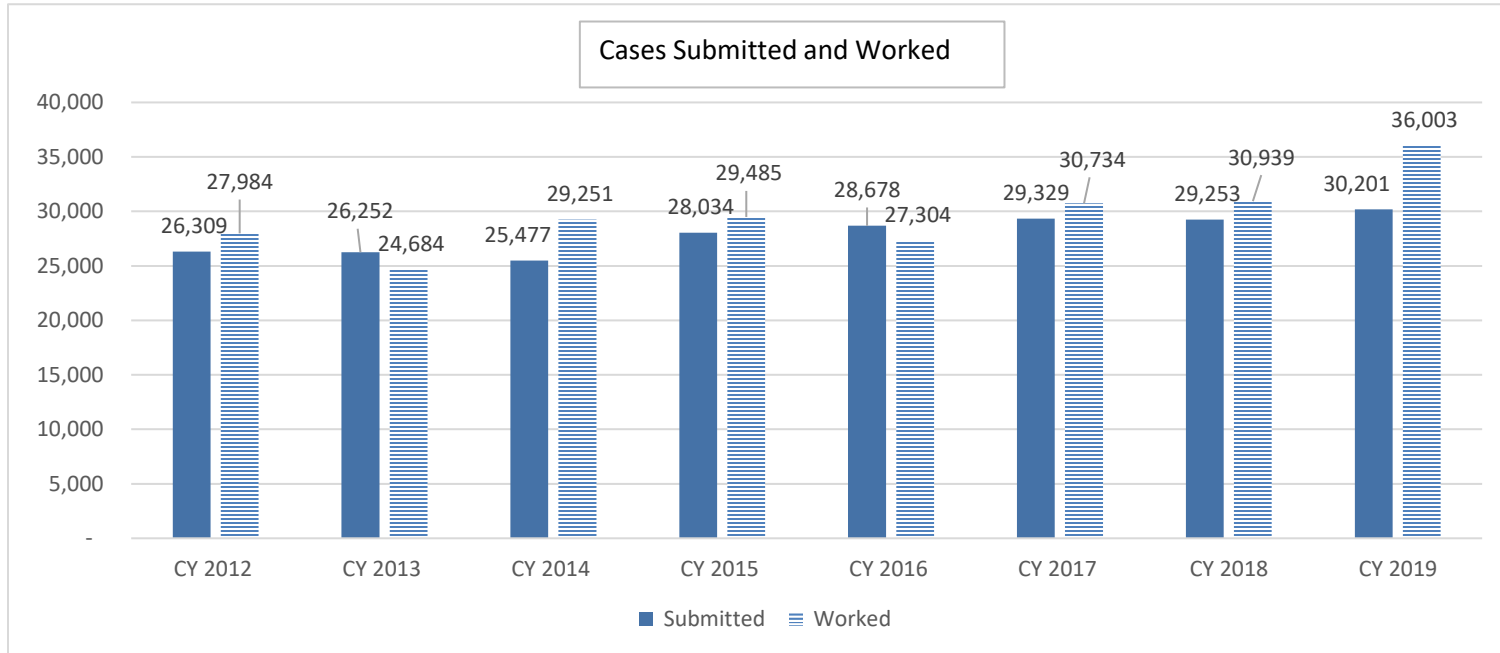
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2a. Provide an activity measure(s) for the program



- The Patrol receives an average of 27,942 forensic cases per year. A criminal case, in common law jurisdictions, begins when a crime is committed. Any evidence of the perpetration of a crime, or linking of individuals to the crime, can be submitted to the crime lab as a case.
- Even though the number of cases received increases approximately 2% each year (we have realized a 30% increase in cases since 2007), we are completing more cases per year than we are receiving. Although we are marginally able to work more cases than are submitted, backlogs and longer than average turnaround times still exist.

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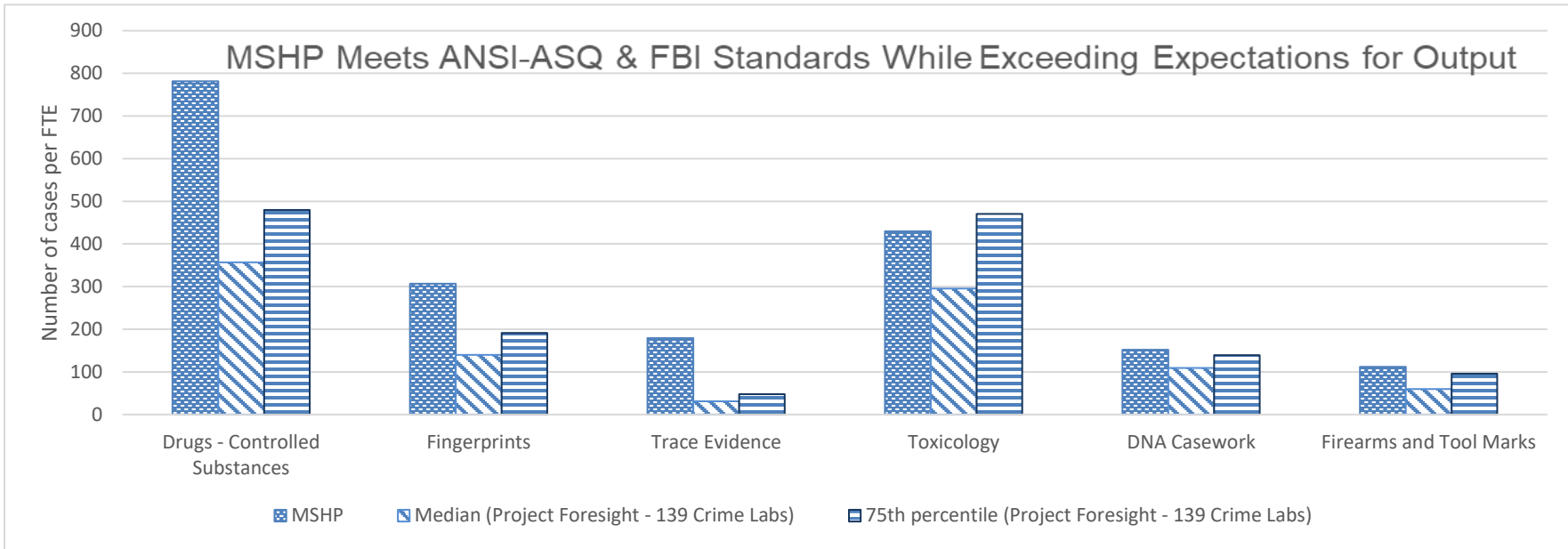
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2b. Provide a measure(s) of the program's quality



- The Crime Laboratory Division is internationally accredited by the ANSI-ASQ National Accreditation Board (ANAB). Every year the laboratory is required to remain in compliance with not only the ANSI-ASQ, but the FBI Quality Assurance Standards for Forensic DNA Testing Laboratories and Databasing Laboratories. In 2019, the MSHP Crime Laboratory was in compliance with over 500 internationally recognized standards and regulations and remains above or near the 75th percentile in case output when compared to an external benchmark, 139 Crime Laboratories in the United States (Project FORESIGHT Annual Report, 2017-2018, the most recent annual report).

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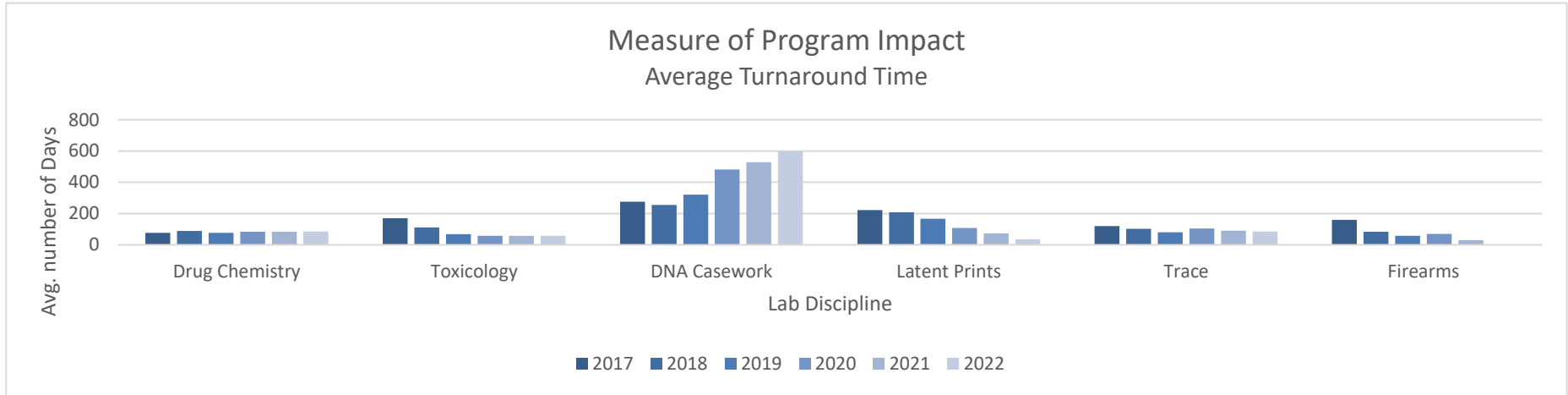
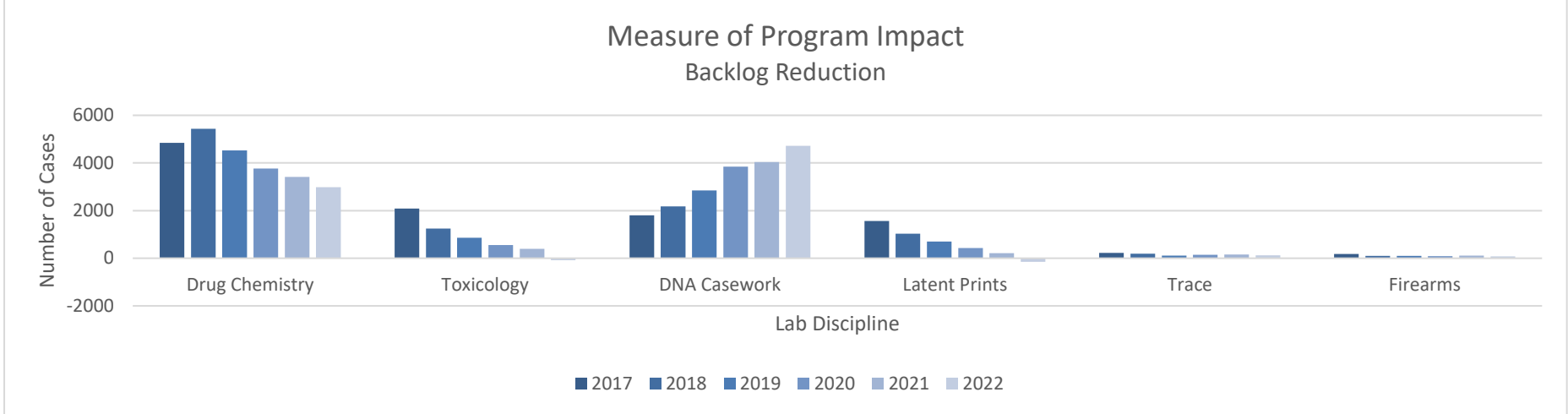
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2c. Provide a measure(s) of the program's impact.



The program has had significant impact on backlog reduction and reduction of turnaround time of cases. Moreover, looking at a stretch to 2021 and 2022, it appears as though the reduction will continue. The addition of FTE's and instrumentation in many of our disciplines has resulted in a reduction of backlog and turnaround in all disciplines but DNA. The submission of untested sexual assault cases and an continuous influx of unproductive touch DNA cases have negatively impacted DNA, but new FTE's obtained in 2019, internal reclassification of FTE's and a new addition to the lab should create a positive impact in CY 2021.

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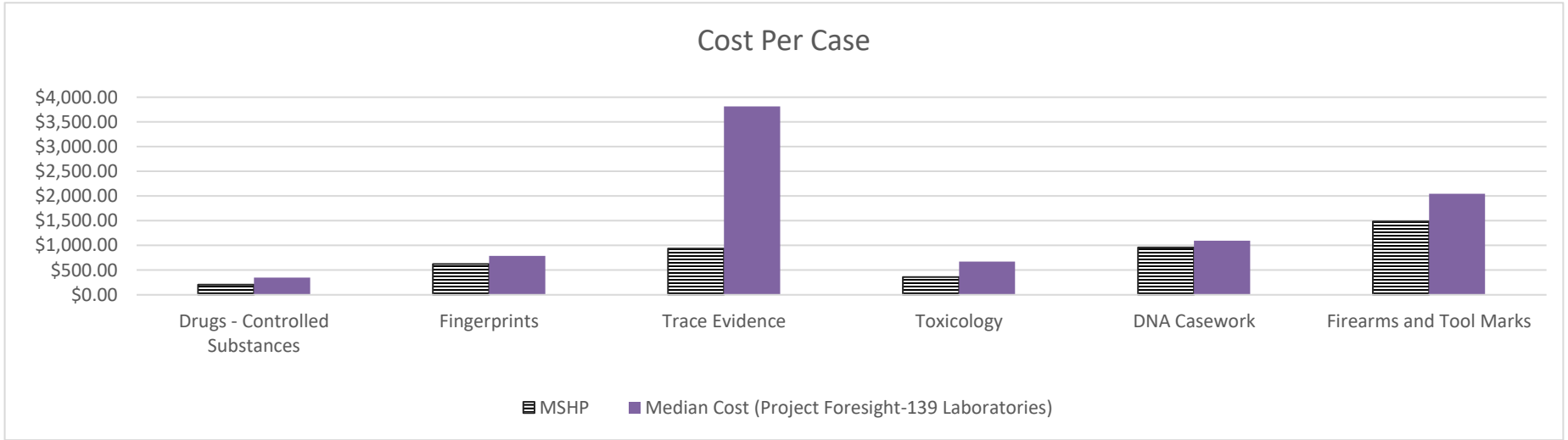
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2d. Provide a measure(s) of the program's efficiency.



- By comparing the costs of analyses at the MSHP Crime Laboratory to that of the Project Foresight data (Project FORESIGHT Annual Report, 2017-2018) we demonstrate that we are efficiently using our resources as our costs are at, or below, the median cost of 139 surveyed crime laboratories in all disciplines. We are meeting expectations and have demonstrated responsible resource management.

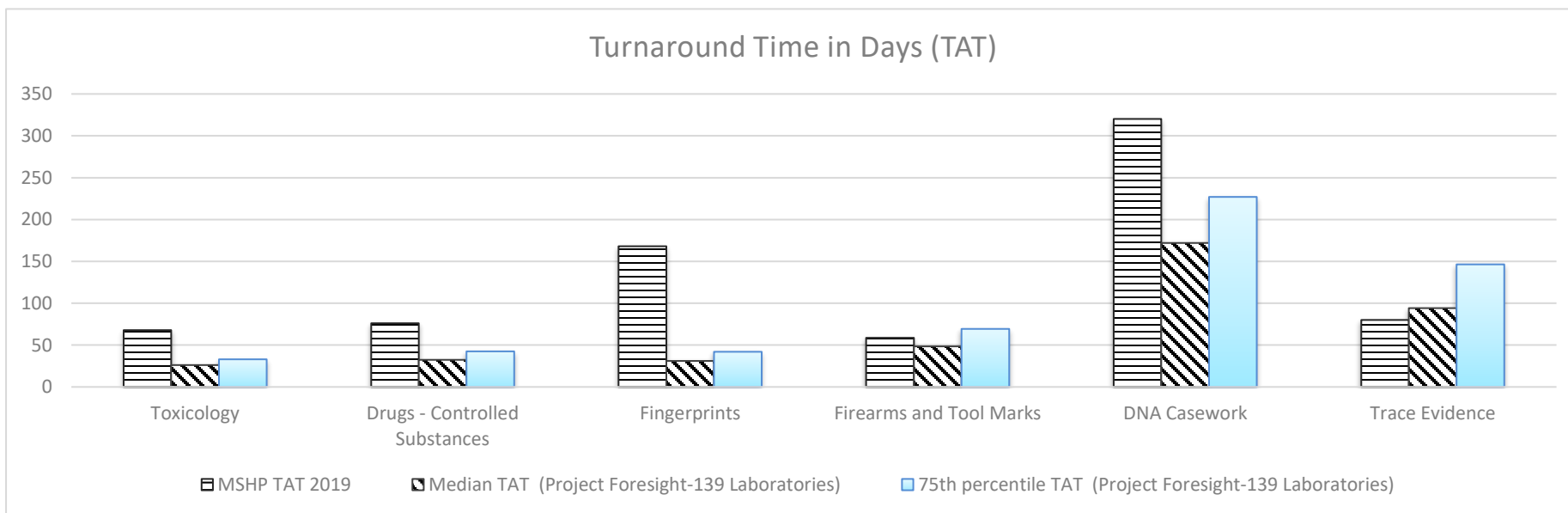
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Despite high output per FTE as demonstrated above in chart 2b, as well as reduction of average turnaround time in chart 2c, case turnaround time in most disciplines, although coming down, is high when compared to Project Foresight. These data may illustrate saturation of our labor capacity and perhaps a need to increase FTE, particularly in DNA and Latent Prints.

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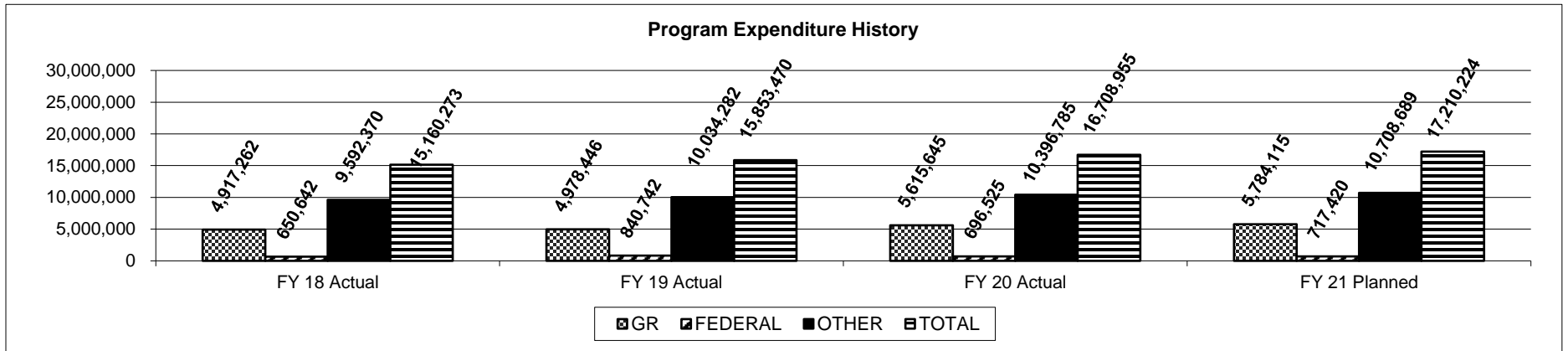
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3. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year. (Note: Amounts do include fringe benefit costs.)



4. What are the sources of the "Other" funds?

Forensic Lab (591), Hwy (644), Crim Rec Sys (671), OASDHI (702), DNA Profiling (772), HP Exp (793)

5. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

The Crime Laboratory Division provides support to the Patrol in fulfilling its responsibilities outlined in RSMo., Chapter 43.025 and 43.380. In addition, RSMo., Chapter 650.050-650.100 establishes a felon and sexual offender DNA Profiling program within the Highway Patrol. The Crime Laboratory is designated the State Repository for the DNA samples and the corresponding CODIS database.

6. Are there federal matching requirements? If yes, please explain.

No

7. Is this a federally mandated program? If yes, please explain.

No