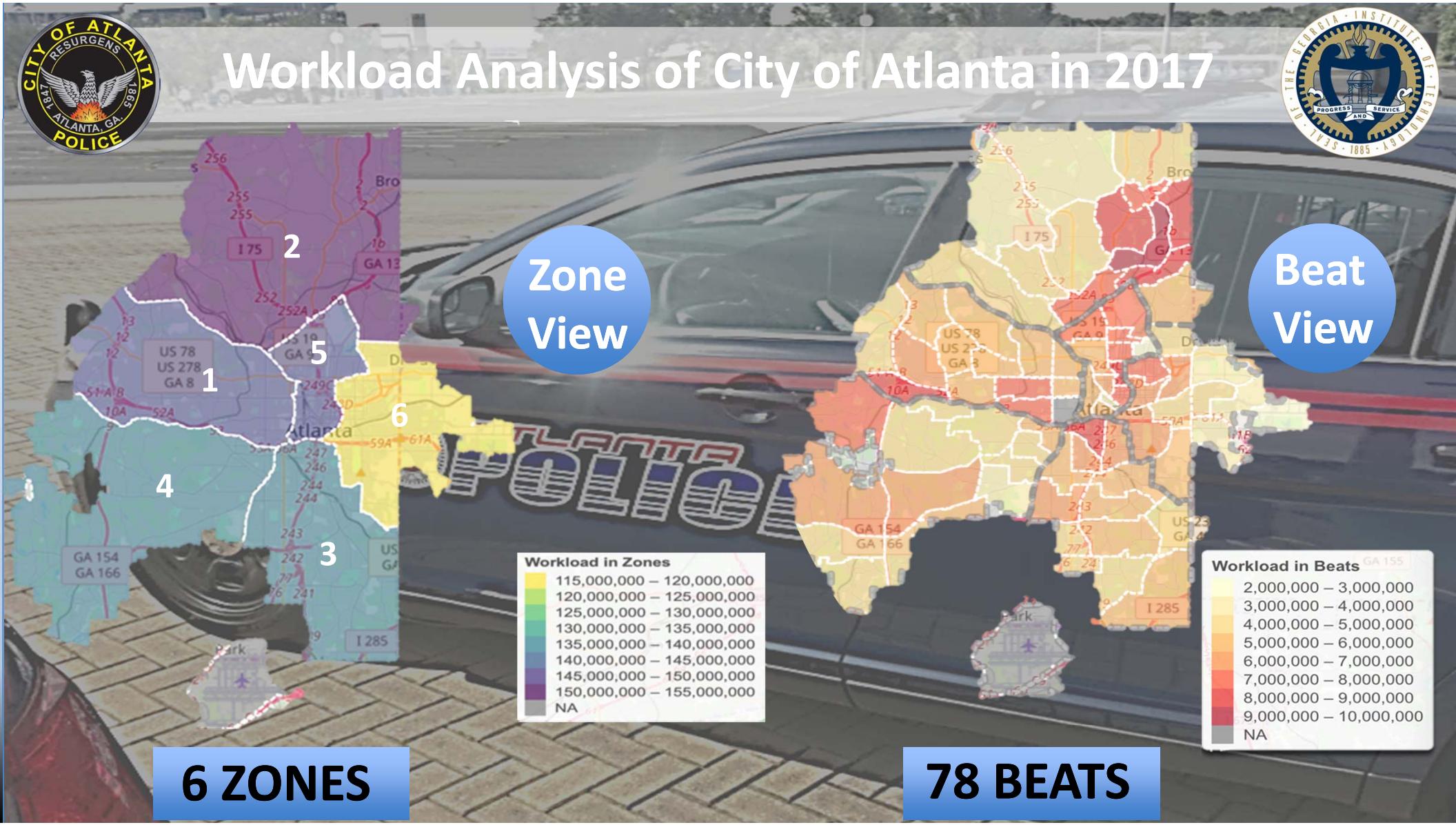
ATLANTA POLICE BEAT REALIGNMENT

CHIEF ERIKA SHIELDS

CREATING THE NEXT®

Workload Analysis of City of Atlanta in 2017

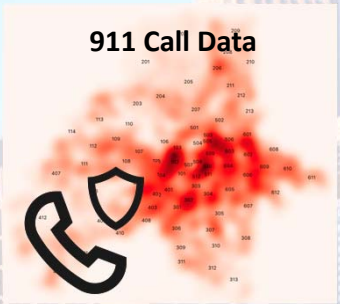


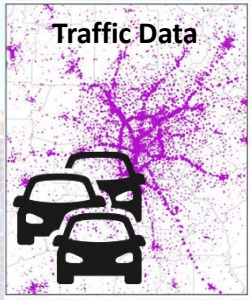
6 ZONES

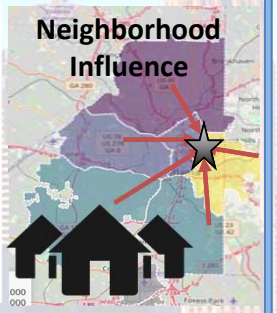
78 BEATS

GOAL: BIG-DATA ANALYTICS, STATISTICAL PREDICTION & OPTIMIZATION

Big Data Analytics







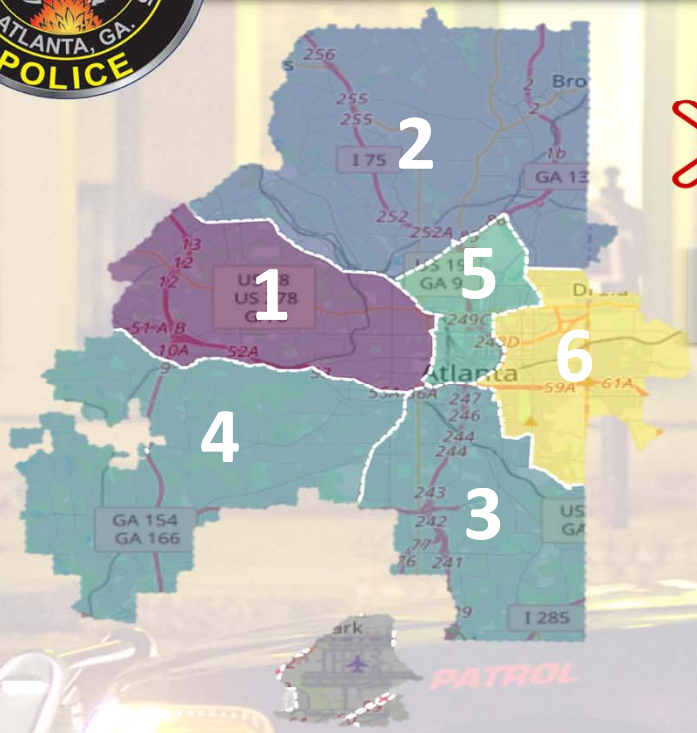
Census Data

Statistical Prediction and Machine Learning

Workload per beat in 2019 =

- *+ workload **in 2018***
- *+ census factors*
- *+ statistics of 911 calls*
- *+ traffic*
- *+ workload in neighboring beats*

PROPOSED REDISTRIBUTION



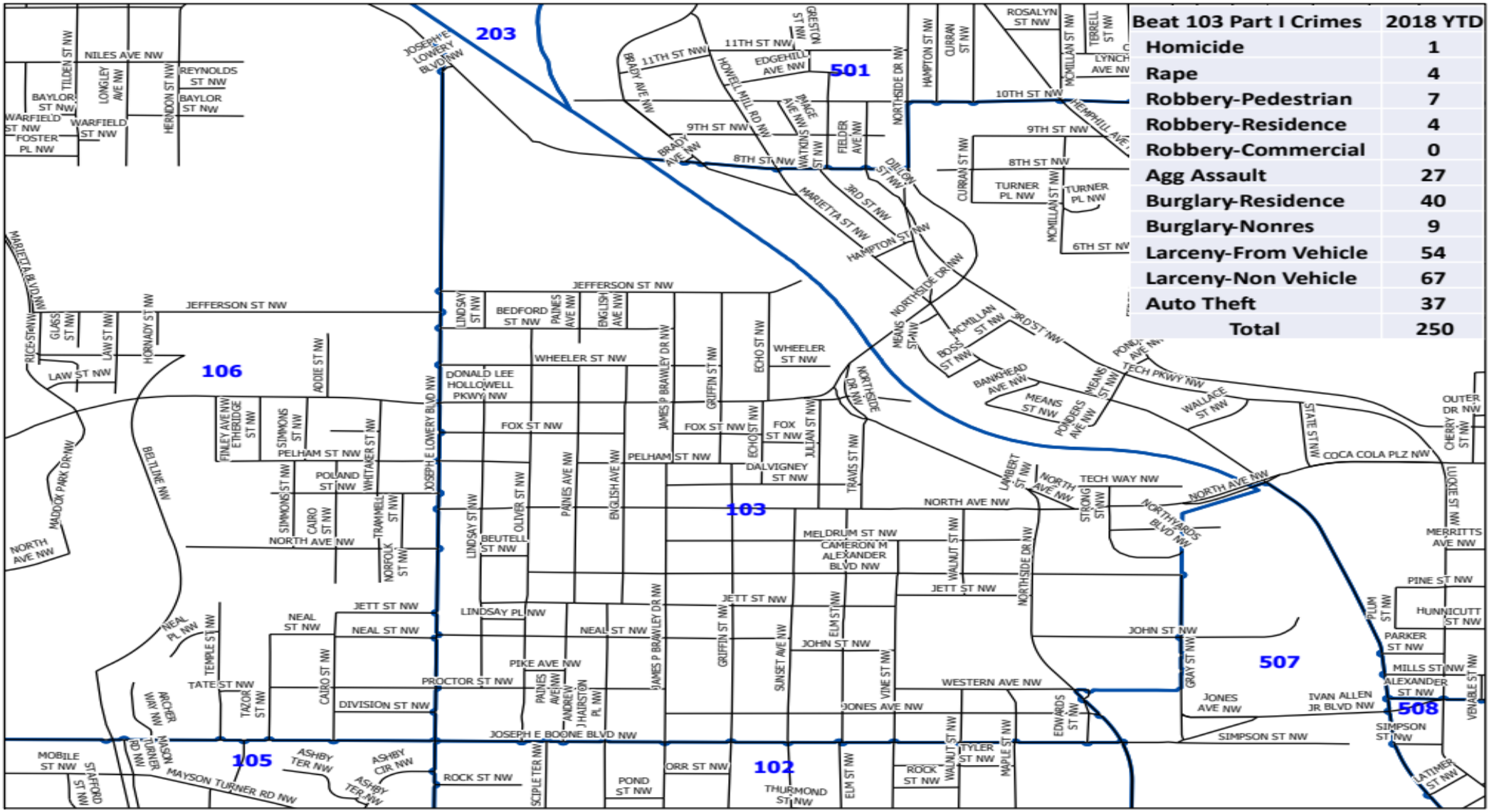
SIGNIFICANT REDUCTION IN UNBALANCED WORKLOAD

Workload in Zones
- 115,000,000 – 120,000,000
- 120,000,000 – 125,000,000
- 125,000,000 – 130,000,000
- 130,000,000 – 135,000,000
- 135,000,000 – 140,000,000
- 140,000,000 – 145,000,000
- 145,000,000 – 150,000,000
- 150,000,000 – 155,000,000
- NA

CURRENT STRUCTURE
6 ZONES WITH 78 BEATS

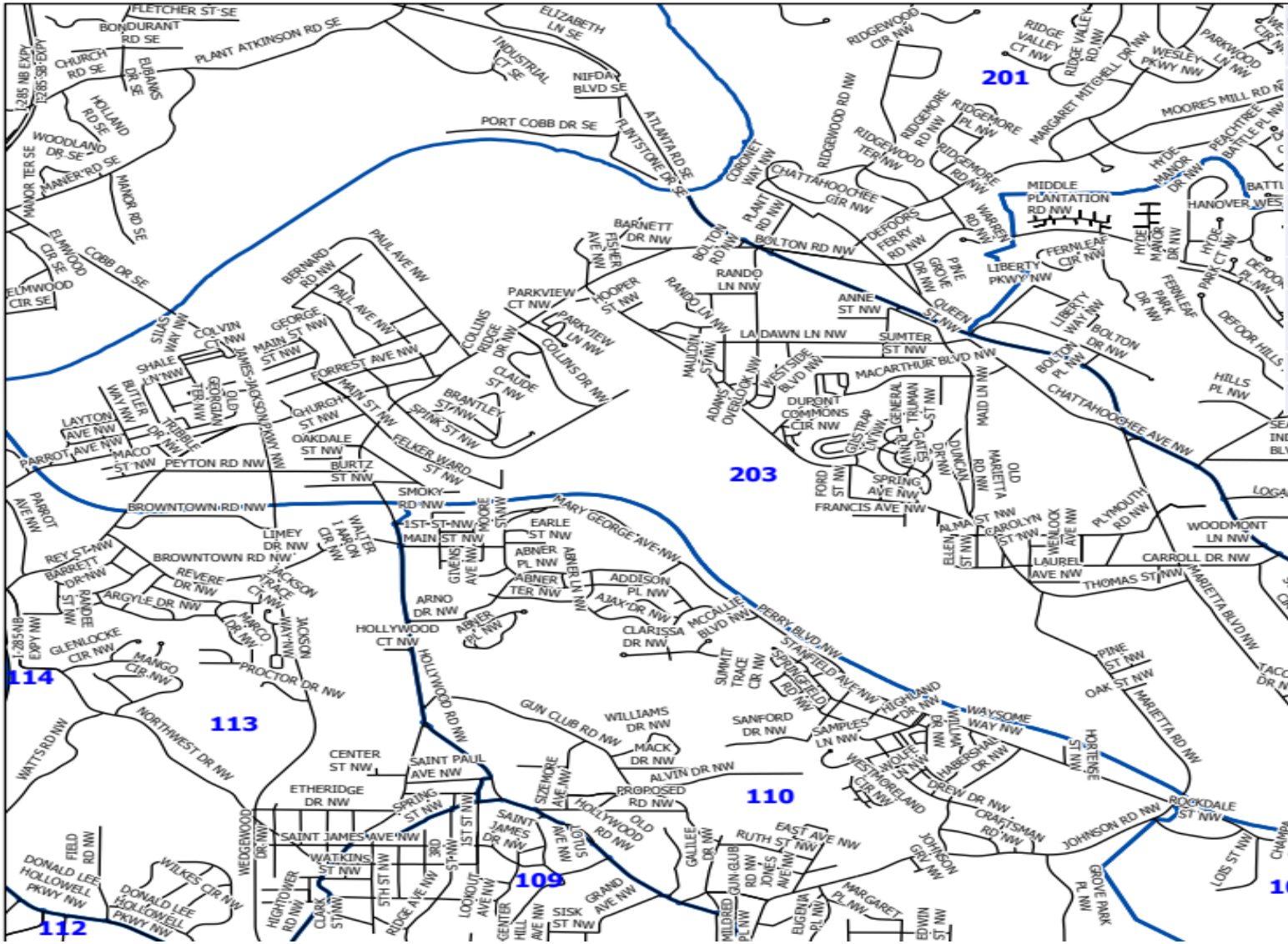
PROPOSED STRUCTURE
6 ZONES WITH 78 BEATS

BEAT 103



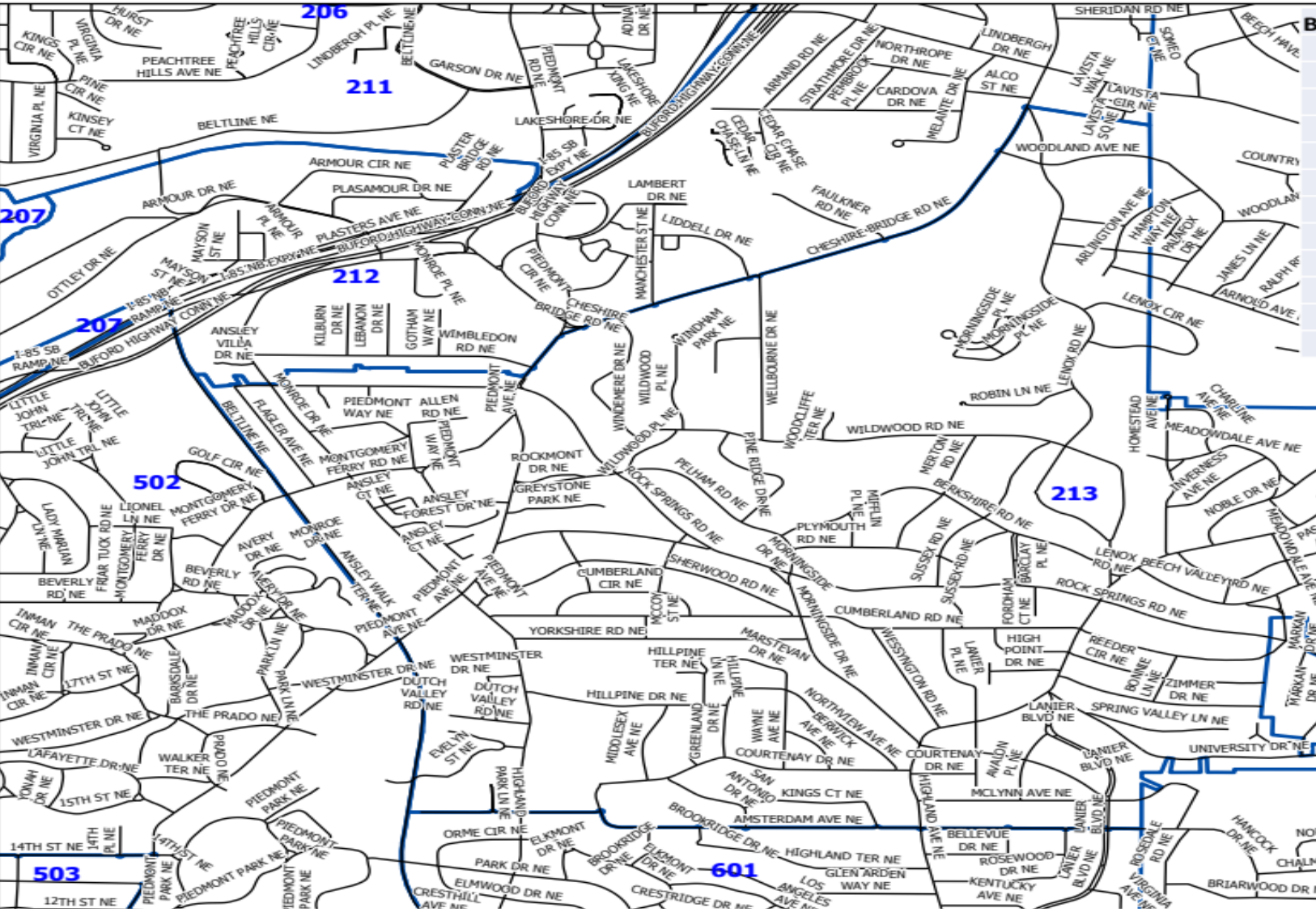
Beat 103 Part I Crimes	2018 YTD
Homicide	1
Rape	4
Robbery-Pedestrian	7
Robbery-Residence	4
Robbery-Commercial	0
Agg Assault	27
Burglary-Residence	40
Burglary-Nonres	9
Larceny-From Vehicle	54
Larceny-Non Vehicle	67
Auto Theft	37
Total	250

BEAT 203



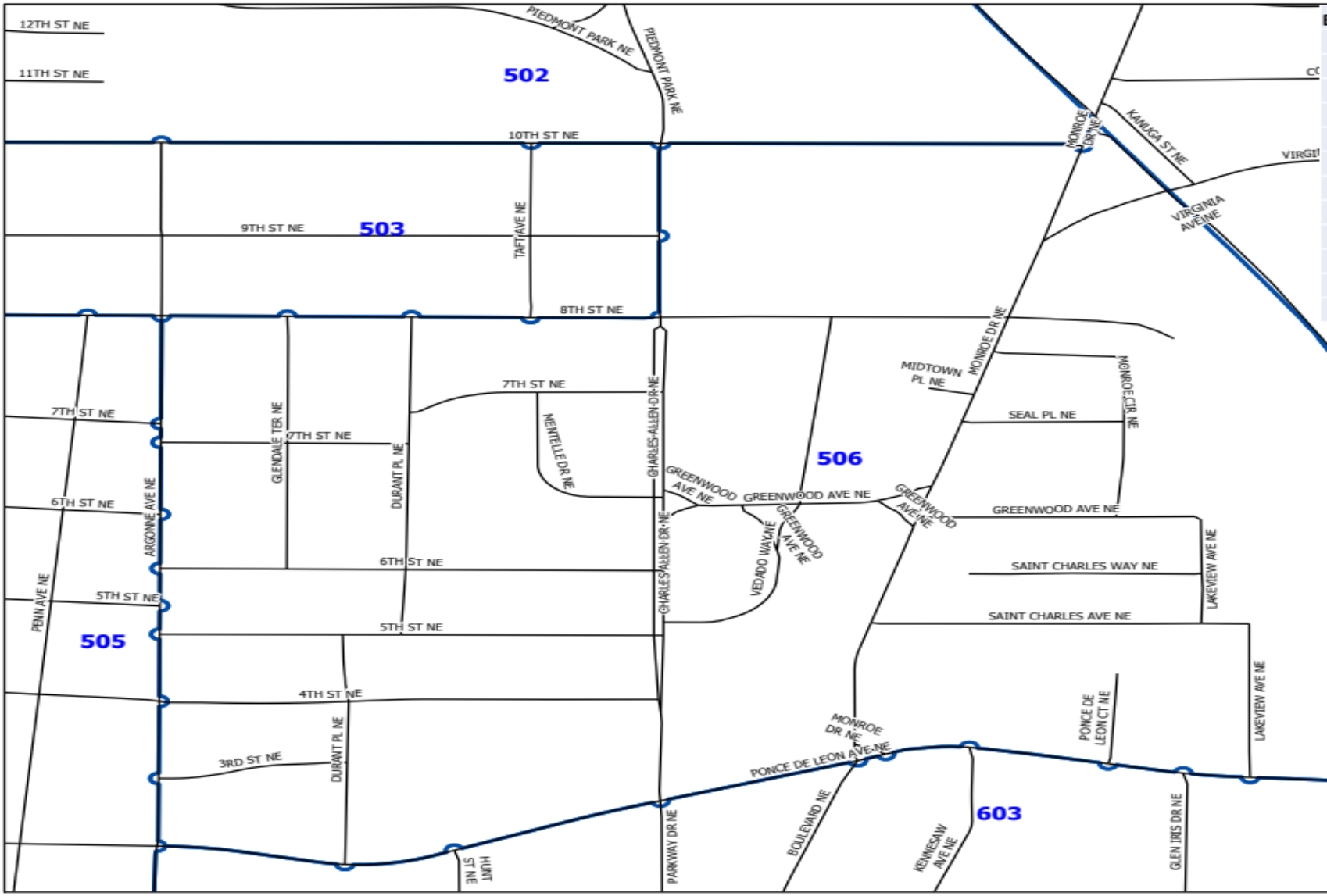
Beat 203 Part I Crimes	2018 YTD
Homicide	1
Rape	5
Robbery-Pedestrian	6
Robbery-Residence	0
Robbery-Commercial	7
Agg Assault	9
Burglary-Residence	27
Burglary-Nonres	27
Larceny-From Vehicle	359
Larceny-Non Vehicle	70
Auto Theft	71
Total	582

BEAT 213



Beat 213 Part I Crimes	2018 YTD
Homicide	0
Rape	3
Robbery-Pedestrian	10
Robbery-Residence	1
Robbery-Commercial	0
Agg Assault	15
Burglary-Residence	20
Burglary-Nonres	6
Larceny-From Vehicle	255
Larceny-Non Vehicle	79
Auto Theft	45
Total	434

BEAT 506



Beat 506 Part I Crimes	2018 YTD
Homicide	0
Rape	0
Robbery-Pedestrian	2
Robbery-Residence	1
Robbery-Commercial	2
Agg Assault	4
Burglary-Residence	6
Burglary-Nonres	4
Larceny-From Vehicle	114
Larceny-Non Vehicle	63
Auto Theft	11
Total	207