

City of Charlotte  
Emergency Plan for Ice Control and Snow Removal



Curt Walton  
**City Manager**

**STAFF**  
Danny Pleasant  
**Director**  
**Department of Transportation**

Layton Lamb  
**Street Superintendent**  
**Department of Transportation**

## TABLE OF CONTENTS

GENERAL POLICIES AND PROCEDURES.....	1
Headquarters.....	1
Supervisory Personnel.....	1
News Releases.....	1
Weather Reports.....	1
After-Hours, Weekends, Holidays.....	1
Shift Changes.....	1
Log of Activities.....	2
Post-Condition Debriefing Meetings.....	2
Seasonal Preparatory Meeting.....	2
Ice Control.....	2
CDOT SNOW AND ICE RESPONSE SERVICE LEVEL TARGET .....	3
Snow Removal.....	4
General Deployment Guidelines.....	4
Employment and Equipment Deployment.....	4
Residential of Subdivision Streets.....	4
Driveways and Sidewalks.....	4
Hospitals.....	4
Schools.....	4
Parking Lots and Service Stations.....	4
Snow Disposal Area.....	4
TRYON STREET MALL AND UPTOWN AREA.....	5
Background.....	5
Boundary.....	5
Ice and Snow Control.....	5
Snowplowing and Removal.....	5
Tryon Street Mall Sidewalk Area.....	5
Spirit Square and Discovery Place.....	5
Snow Removal Uptown.....	6
Uptown Parking Restrictions.....	6
DEPARTMENTAL COORDINATION.....	7
Solid Waste Services Department – Special Services Division.....	7
Business Support Services – Equipment Services Division.....	7
Police Department - Patrol Division.....	7
Charlotte-Mecklenburg Utility Department – Wastewater Collection Division.....	7
SPECIAL AGREEMENTS FOR EQUIPMENT RENTAL.....	8
FUEL AND SUPPLIES.....	8
NCDOT RESPONSIBILITIES.....	9-10
ICE CONTROL AND SNOW REMOVAL ROUTES – BY CONDITION.....	11-61

## Headquarters

The Headquarters for the Ice Control and Snow Removal Program is the Street Maintenance Division Administrative Building located at 4411 Northpointe Industrial Blvd.

## Supervisory Personnel

The following supervisory personnel are responsible for the implementation of the Ice Control and Snow Removal Program:

<u>Shift</u>	<u>Title/Name</u>
N/A	Street Superintendent, Layton Lamb
7:00 a.m. - 7:00 pm	Operations Supervisor, Anthony (Tony) Bartlett Operations Supervisor, Tom Shabani
7:00 p.m. - 7:00 am	Deputy Street Superintendent, Ken Martin Operations Supervisor, Ray DeGreeff

## News Releases

Information for the newspapers and/or the radio and television stations will be released by Kim McMillan, Director of Corporate Communications, or her designee.

## Weather Reports

During workdays, whenever inclement weather is predicted for the Charlotte area, the Street Maintenance Division office will receive a weather report from Meteorlogix DTN (Weather.dtn.com) before 2:00 pm the day prior to the storm so that preparations can begin before the end of normal field crews' workday at 3:30 p.m. This report will be relayed to the Street Superintendent. Any additional information or a revision of the 2:00 p.m. forecast will be given to the Street Superintendent. Street Maintenance Division management will determine when to implement the Ice Control and Snow Removal Program.

## After-Hours, Weekends, Holidays

If inclement weather develops or gets forecasts after normal office hours on weekends or on holidays, Meteorlogix DTN will contact designated Street Maintenance supervisory personnel at home to advise them of the forecast. The supervisor is then responsible for contacting the designated crews to report for duty.

If ice begins accumulating or snow begins to fall during non-work hours, all Street Maintenance Division employees assigned to the Ice Control and Snow Removal Program who have not already been contacted are required to contact Headquarters by telephone. If employees cannot telephone they should report to their regularly assigned facility in person. Once a condition is underway with snow accumulation of two inches or more, all employees assigned to the Program should continue to report in person to their assigned facilities so they can provide service on their respective shifts.

## Shift Changes

When there is sufficient snow or ice accumulation, a twenty-four hour schedule will be put into effect with shift changes arranged so they do not coincide with peak-hour traffic movements. Two shifts are scheduled: one from 7:00 a.m. to 7:00 p.m. and the other from 7:00 p.m. to 7:00 a.m.

## Log of Activities

After receiving a firm prediction of freezing rain, sleet, or snow, the designated yard coordinator will maintain a log of events including all weather reports, the number of employees called to work, mobilized equipment, dispatched crews, the amount of slag and salt used, etc. Each entry will be logged with a time and date.

The Operations Supervisor on duty or the Supervisor's designee will be responsible for monitoring the record keeping and obtaining regular weather reports for inclusion in the log.

Each weekday morning following a "Condition" response, a daily report will be prepared and submitted to the Director of the Charlotte Department of Transportation, which will include an estimated cost of the program for the previous 24-hour period.

## Post-Condition Debriefing Meetings

Within five days after the end of a storm condition, supervisory personnel and SMD administrative staff will hold a debriefing meeting to discuss any concerns, questions, or procedural changes stemming from the most recent condition.

## Seasonal Preparatory Meeting

Street Maintenance Division supervisory personnel, yard coordinators, and administrative staff will hold a meeting on or around October 1 of each year to discuss plans and responsibilities for the upcoming winter's ice control and snow removal program.

## ICE CONTROL

### Employee and Equipment Deployment

Salt Brine: 6 Routes and 6 Crews with 2 On-Call

Condition A: 9 Routes with Spreaders and 3 Emergency

Condition B/C: 31 Routes, 3 Emergency, and 3 On-Call

All trucks will be loaded and routes covered from the three Street Maintenance facilities, located at 4411 Northpointe Industrial Blvd, 4600 Sweden Road and 6001 General Commerce Drive. Drivers will receive dispatch orders from the 4411 Northpointe Industrial Blvd facility.



## **CDOT Snow and Ice Response Service Level Target**

The purpose of this document is to communicate storm specific service level expectations.

An attempt has been made to generally categorize storms into Light, Moderate and Severe classifications with defined thresholds for each. However, due to the numerous variables associated with storm conditions and response plans, i.e. temperature, traffic, precipitation type and amount, etc., CDOT may be forced to modify these goals.

**“Condition A” Light** (snow, ice, or potential of either exists for build-up on bridges, culverts, and isolated pavement areas) CDOT will target brining and salting:

- Bridges & culverts on City streets and selected NCDOT streets
- Hospital entrances
- Emergencies

**“Condition B” Moderate** (snow storm up to 8 inches, or ½ inch of ice accumulation on the street) CDOT will target salting or plowing when appropriate:

- |             |  |
|-------------|--|
| Priority #1 | 90% of all major and minor thoroughfares cleared within 48 hours from the end of the storm (includes emergency locations such as hospital entrances, and assistance to Police, Fire, and Medic). |
| Priority #2 | 80% of all residential collector streets will be made navigable within 48 hours from the end of the storm (bus routes and school locations).   |

**“Condition C” Severe** (snow storm of 8 or more inches, or greater than ½ inch of ice accumulation on the street coupled with extended cold temperatures that immobilizes most traffic in neighborhoods). CDOT will supplement its resources with contractors to salt and plow. The addition of contract equipment will enable CDOT to increase its service level target, and include residential snow plow services.

- |             |   |
|-------------|---|
| Priority #1 | 90% of all major and minor thoroughfares cleared within 48 hours from the end of the storm (includes emergency locations, such as hospital entrances, and assistance to Police, Fire, and Medic).   |
| Priority #2 | 80% of all residential collector streets will be made navigable within 48 hours from the end of the storm (bus routes and school locations).  |
| Priority #3 | 75% of neighborhood streets, not including cul-de-sacs, will be made navigable (at least one vehicle width) within 72 hours from the end of the storm. Residential street priority will be based on snow depth/condition of the streets, efficient mobilization of equipment, and terrain of the neighborhood. The CDOT may reduce or suspend operations if temperatures increase and melt the snow/ice at a rate that is projected to meet or exceed the 72 hour goal. |

Infrastructure **not covered** by the Charlotte Department of Transportation:

- Private and commercial drive entrances
- Sidewalks (except Tryon Street Mall, covered by Special Services)
- Parking Lots (except LRT Park & Ride, and select City operating facilities)
- NCDOT interstates, freeways, ramps, and major arterials  
(Except ramp from Hawlee Ave going towards Josh Birmingham Pky near the airport)

In the event of street plowing, CDOT will not be responsible for removing mounded snow, a result which may occur from plowing the street, from drive entrances.

## SNOW REMOVAL

### General Deployment Guidelines

Snow is to be cleared from major thoroughfares inside the City limits by plowing and/or using chemicals when it has accumulated to a depth that impedes the movement of vehicles equipped with chains or snow tires. Salt application will begin on designated routes when the snow is about ¼ to ½ inch deep or high enough to retain the salt on the pavement. Snow should be three to four inches deep before it is feasible for plowing operations to begin. However, weather conditions will dictate when or if plowing will be necessary regardless of depth. The decision to mount the snowplows and implement condition “C” of the Ice Control and Snow Removal Program will be made by the Duty Supervisor or a designated representative. Individual snowplow crews will be placed into operation as soon as possible. Streets to be plowed are shown on the master Ice Control and Snow Removal Map.

### Employment and Equipment Deployment

Condition C: 31 Routes, 3 Emergency, and 3 On-Call

### Residential / Subdivision Streets

Major efforts will be directed toward clearing North Carolina Department of Transportation routes, thoroughfares and heavily traveled arterial streets. After work on these streets has been completed, slag or sand will be applied to steep grades which present special problems in residential areas.

### Driveways & Sidewalks

No driveway entrances (business or residential) or sidewalks will be cleared by the City, even if snowplows push snow onto these areas. The only exception will be sidewalks in the Tryon Street Mall Area and hospital entrances.

### Hospitals

Emergency entrances to Carolina's Medical Center, Presbyterian Hospital, Mercy Hospital and University Medical Center will be cleared as soon as possible after snow removal operations begin.

### Schools

Attempts will be made to clear vehicular entrances to all public schools within the City, provided the Street Maintenance Division is notified 24 hours in advance of the school's opening. Clearing will occur on streets only, not driveway entrances.

### Parking Lots & Service Stations

Snow is not to be pushed from private businesses, parking lots, or service stations onto City streets. The Police Department will assist in enforcing this policy.

### Snow Disposal Area

City property on **4221 Westmont Drive** across from the new CMU Environmental Bldg has been selected as the snow disposal site.

## CENTRAL BUSINESS DISTRICT (CBD) AND TRYON STREET MALL AREA

### Responsibility

This area will be the responsibility of the Solid Waste Services, Special Services Division.

### Background

Due to the value, character and nature of the Tryon Street Mall Area, special efforts must be made to protect the sidewalk and curb areas where trees, plantings, decorative concrete pavers and granite curbs have been installed. An ice remover that's formulated for these types of areas will be used.

### Mall Boundary

The boundary of the Tryon Street Mall Area is defined as the streets enclosed by Stonewall Street, College Street, Brookshire Freeway and Church Street.

### Ice and Snow Control

For ice control or for snow that has accumulated to a depth of less than three inches on mall streets, the City will spread salt on the road using a truck-mounted hydraulic aggregate spreader. An ice remover will be used on all decorative paver areas.

### Snowplowing and Removal

When the decision is made to plow and remove snow from City streets, the Tryon Street Mall Area will be plowed utilizing motor graders or plows with rubber tipped blades. The contractor will plow from 12<sup>th</sup> Street to Morehead Street according to the CBD map created by the Street Maintenance Division. Snow in street and sidewalk areas will be plowed to the center of the street. It will then be loaded onto trucks and removed from the area. Street Maintenance Division will purchase and supply rubber blades for the contractor. The contractor will install the rubber blades to their equipment. Motor Graders and Rubber Tire Front End Loaders will be supplied by the contractor.

### Tryon Street Mall Sidewalk Area

Unlike any other area of the City, a four foot walking path will be cleared for pedestrian traffic on the sidewalks in the Tryon Street Mall Area. An ice remover will be used to melt the ice and snow when the accumulation of snow is less than three inches in depth. When snow accumulation exceeds three inches, snow blowers, shovels and hand labor will be used to clear the sidewalk area. If available, Bobcats with rubber blades will be utilized to assist with clearing certain sidewalk areas. Pedestrian areas around benches and shelters will also be cleared. Store owners will be responsible for clearing the walks from the front doors of their businesses to the walking path that has been cleared by the Special Services Division.

The Tryon Street Mall sidewalk area has many underground vaults which are not sturdy enough to support heavy weight without causing possible damage to the vaults and concrete pavers. Therefore, hand labor will be utilized. Two known locations are 100 & 300 blocks of S. Tryon St. Snow removed in that manner will be placed in a windrow beside the cleared path or pushed to the street.

### Spirit Square Parking Lot (Located on E. 7th street adjacent to Public Library)

The parking lot for Spirit Square will be cleared just prior to a scheduled event if the Agency gives the Division at least 12 hours notice, making separate notification for each event.

## Snow Removal CBD

The decision to remove snow will be made by the Streets Superintendent or Deputy Streets Superintendent. Motor Graders, Loaders and Dump Trucks will be used to plow, load and remove snow and ice from the principle streets in the Mall and CBD area. Once that decision has been made, it will be the responsibility of the Special Services Division to carry out the program in the Mall and CBD area.

On the following streets snow will be plowed in a specific direction and then removed:

Plow to center of the street:

Tryon Street from 12<sup>th</sup> Street to Morehead Street.

Trade Street from McDowell Street to Graham Street.

Plow to the east side of the street:

College Street and Connector from Morehead Street to 12<sup>th</sup> Street.

Church Street and Connector from Tryon Street to Morehead Street.

Plow to the north side of the street:

3<sup>rd</sup> Street from McDowell Street to Graham Street.

4<sup>th</sup> Street from McDowell Street to Cedar Street.

5<sup>th</sup> Street from McDowell Street to Cedar Street.

## Uptown Parking Restrictions

During snow removal operations, the Parking Management Firm and the Police Department will be requested to temporarily prohibit parking on the principle streets in the CBD area, so that snow can be plowed from curb lanes. The following policies and procedures will be used:

The public will be notified through the news media that the peak hour "No Parking" regulations will be enforced in the Uptown area and that any cars already parked should be moved.

CDOT will list specific routes where parking will be allowed

The "No Parking" requirement in "Tow-away" zones will be enforced during the hours that are posted.

When parking will interfere with snow removal, the Special Services Division will submit a request to have the parking meters bagged or change the message to read "Emergency - No Parking".

If a vehicle is parked at a location after the meter has been bagged or the meter's message is changed to read "Emergency - No Parking", the vehicle will be towed away immediately. The charge for towing and recovery will be the responsibility of the owner.

## DEPARTMENTAL COORDINATION

### Solid Waste Services Department - Special Services Division

#### **Snow Removal – Uptown**

The Special Services Division using contractor's equipment will be responsible for snow and ice removal from the streets and sidewalks in the Tryon Street mall area.

#### **Sweeping**

After the ice and snow have melted and the streets have dried, the Special Services Division will vacuum and sweep routes if needed.

### Business Support Services – Fleet Management Division

#### **Equipment Breakdowns During Normal Work Hours**

Equipment Management's Louise Avenue, Seigle Avenue and Sweden Road shops are open Monday – Friday 6:00 a.m. – 10:30 p.m. except on City recognized holidays. In case of a breakdown, drivers will notify the Operations Supervisor on duty and the Street Maintenance Dispatcher. The piece of equipment shall be driven to the appropriate Fleet Management garage if possible. If the equipment is not drivable, the Street Maintenance Division Dispatcher will contact the appropriate Equipment Management garage and make arrangements for the equipment to be transported and repaired.

#### **Equipment Breakdowns After Normal Work Hours**

When ice or snow emergencies occur during non-work hours, the Equipment Management Division will have a minimum of two mechanics and a supervisor on duty at all times. SMD supervisors are to contact EMD when snow and ice conditions are called and when the condition is called off.

### Police Department - Patrol Division

#### **Assistance Provided**

The Patrol Division will furnish the necessary officers to direct traffic around crews loading snow in the Uptown area. As time and cause for service permit, the Patrol Division will provide assistance in the Uptown area by enforcing parking regulations so that the snowplows can operate. They will enforce ordinances prohibiting the pushing of snow from parking lots and other private properties onto City streets.

### Charlotte-Mecklenburg Utility Department

#### **Additional Equipment**

In case of extreme snow accumulation the Charlotte-Mecklenburg Utility Department will furnish equipment operators, one track loader to be utilized at the designated Snow Dump Area, tandems and a front-end loader. This assistance will be provided on shifts that coincide with the Street Maintenance Division's two 12-hour shifts.

## SPECIAL AGREEMENTS FOR EQUIPMENT RENTAL

The Street Superintendent will authorize the rental of equipment for use in this Program with the option of the City furnishing blades and fuel for the rented motor graders.

## FUEL AND SUPPLIES

All supplies will be drawn from the Street Maintenance stockrooms located on the three Street Maintenance yards.

Fuel will be available through the Fuelman system for all SMD equipment. The Street Maintenance fuel truck will serve as a backup supply of fuel.

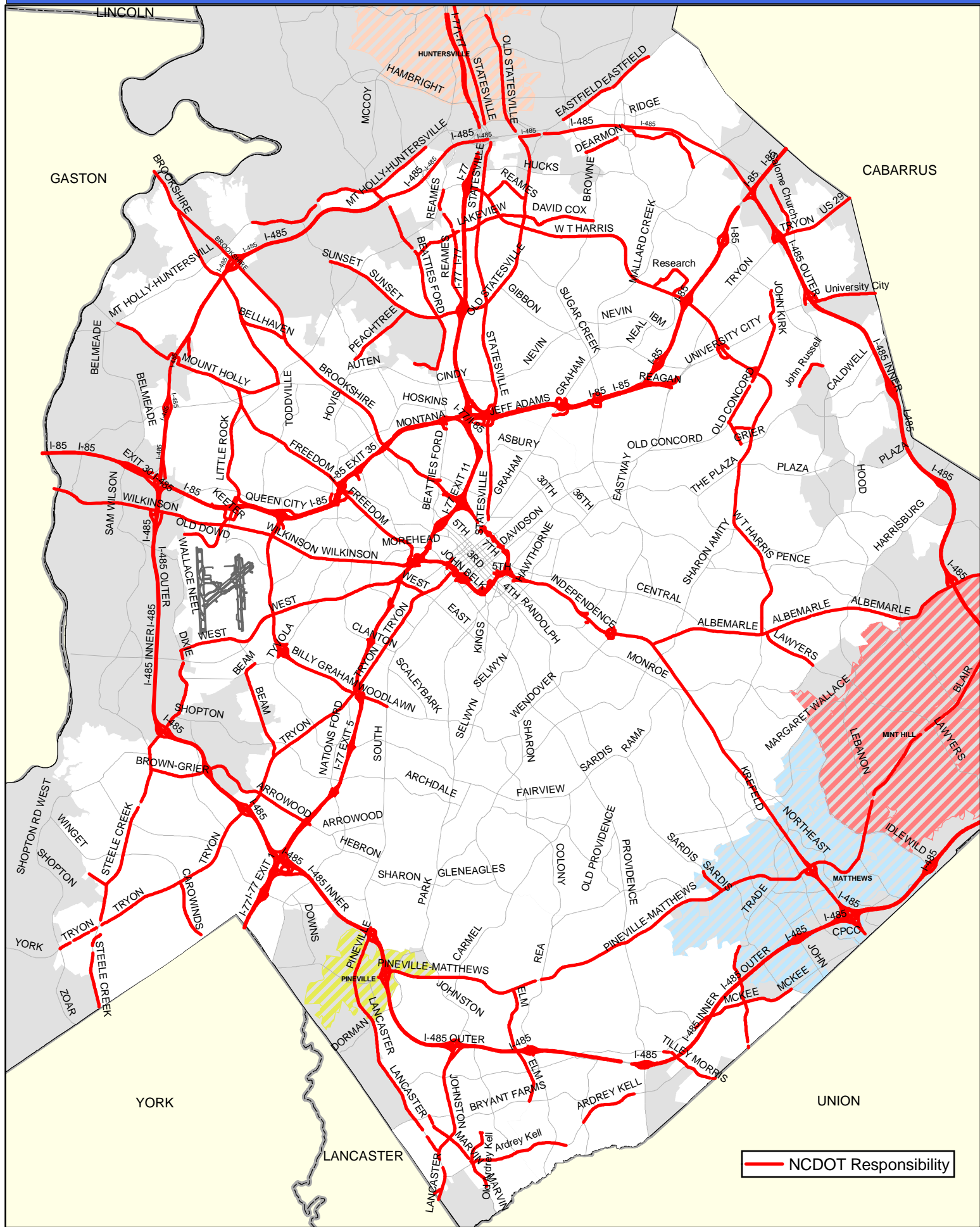
## NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RESPONSIBILITIES

The North Carolina Department of Transportation is responsible for ice control and snow removal within the City limits on streets listed below. These streets are identified on the master Ice Control and Snow Removal Maps at the City's Street Maintenance Division.

# NCDOT Snow Coverage

Produced by Street Maintenance Division Planning Section

FY10





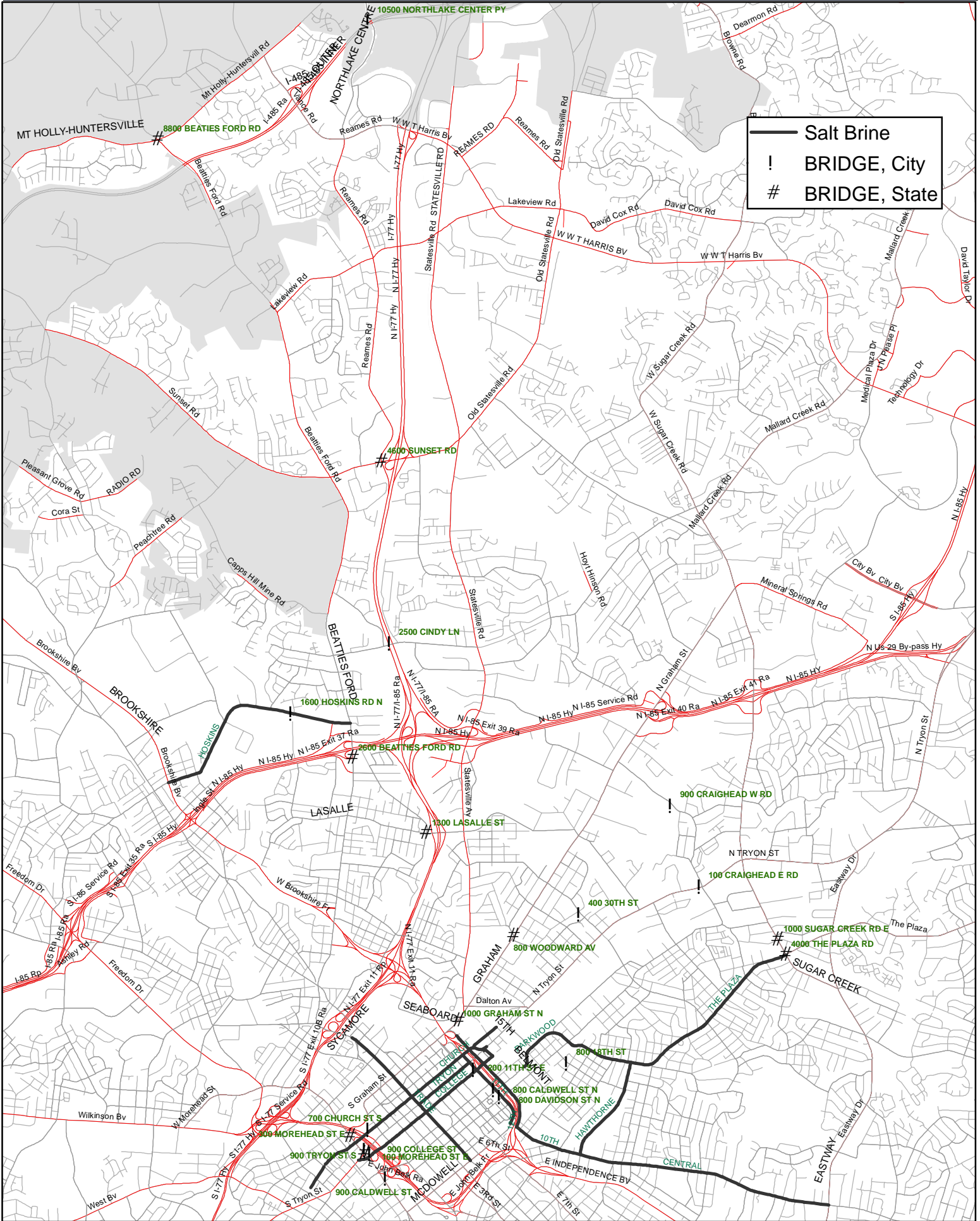
## ICE CONTROL AND SNOW REMOVAL ROUTES - BY CONDITION

The following pages detail the ice control and snow removal routes by condition.

# Salt Brine Route 1

Produced by Street Maintenance Division Planning Section

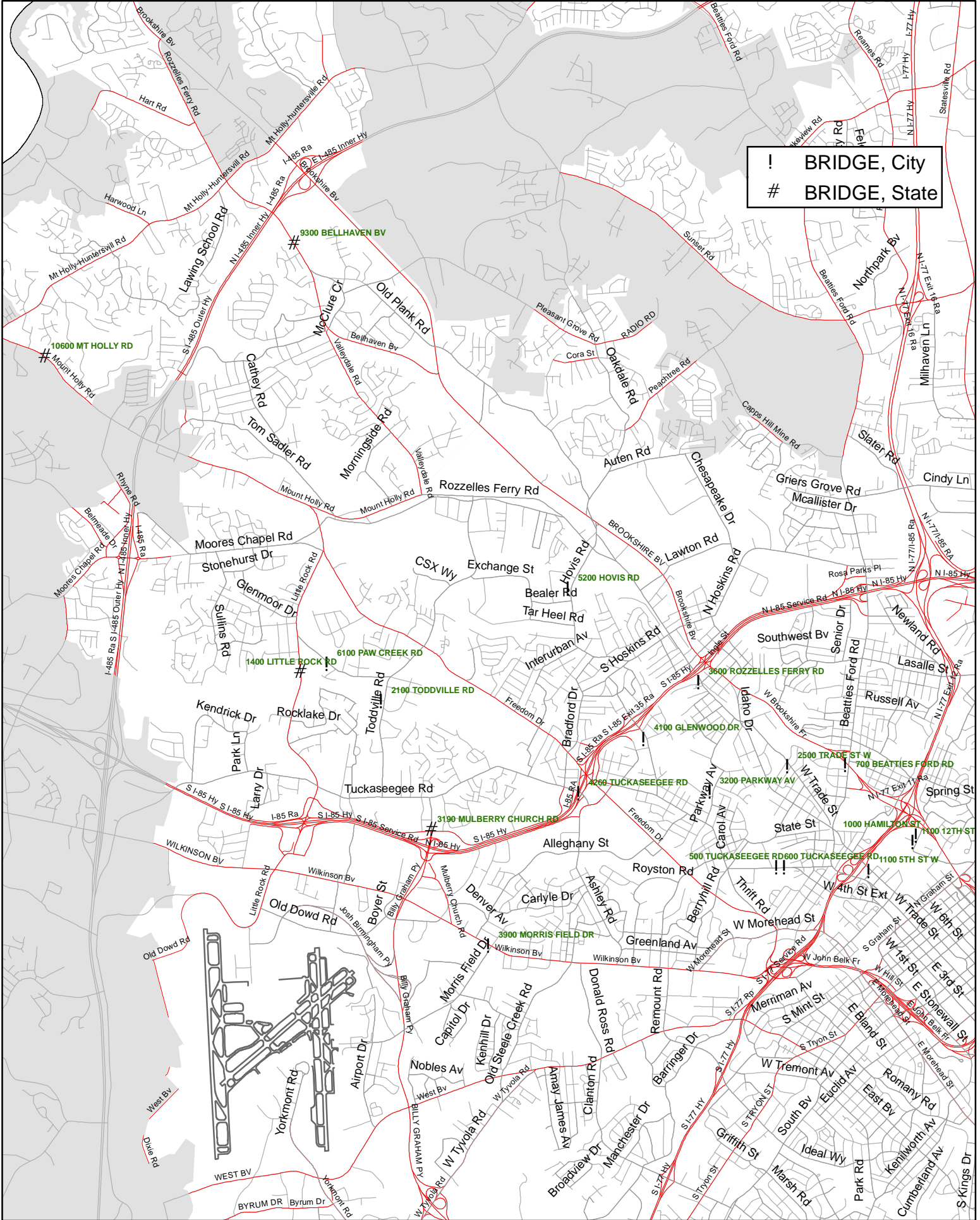
FY10



# Salt Brine Route 2

Produced by Street Maintenance Division Planning Section

FY10

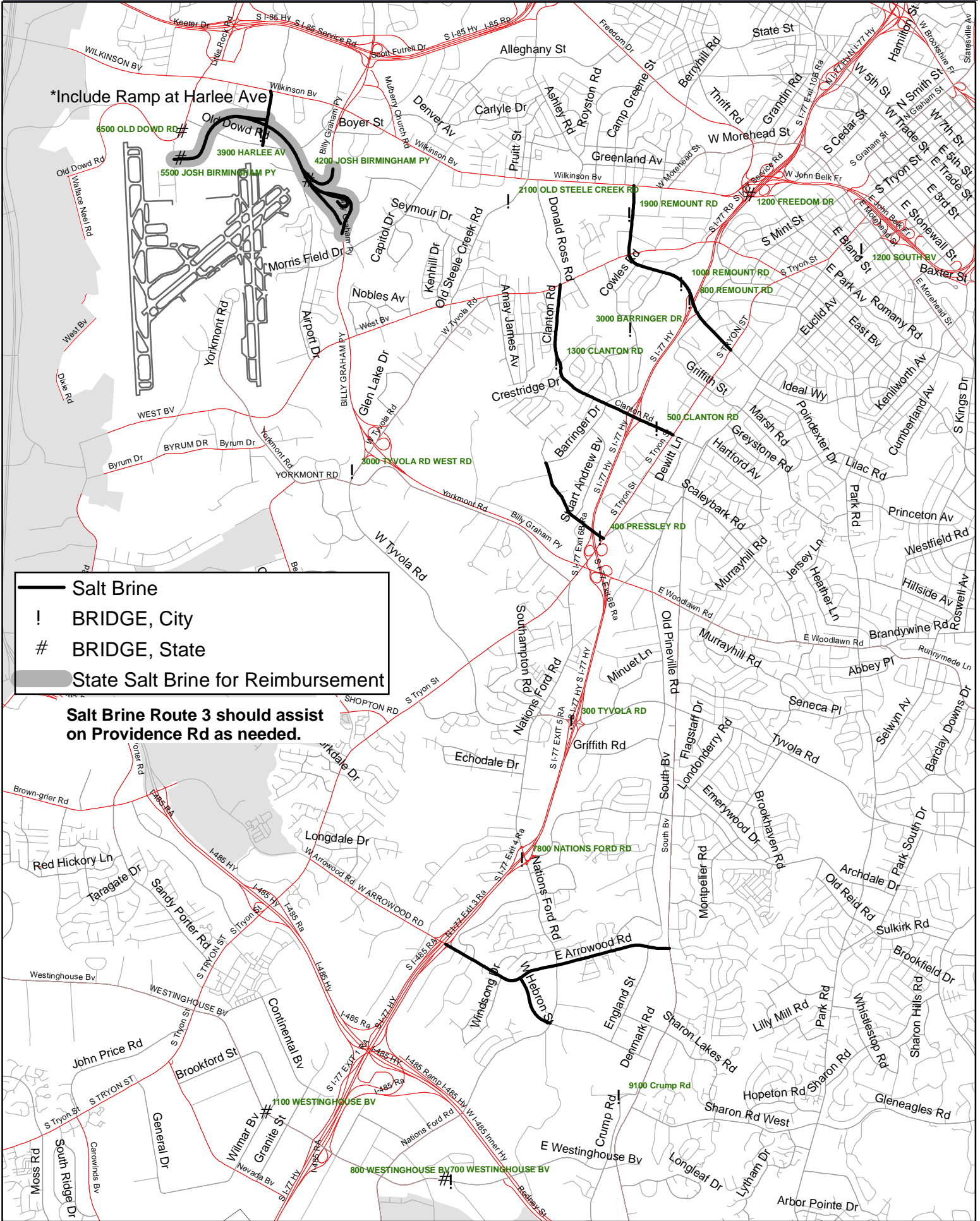




# Salt Brine Route 3

FY10

Produced by Street Maintenance Division Planning Section



\*Include Ramp at Harlee Ave

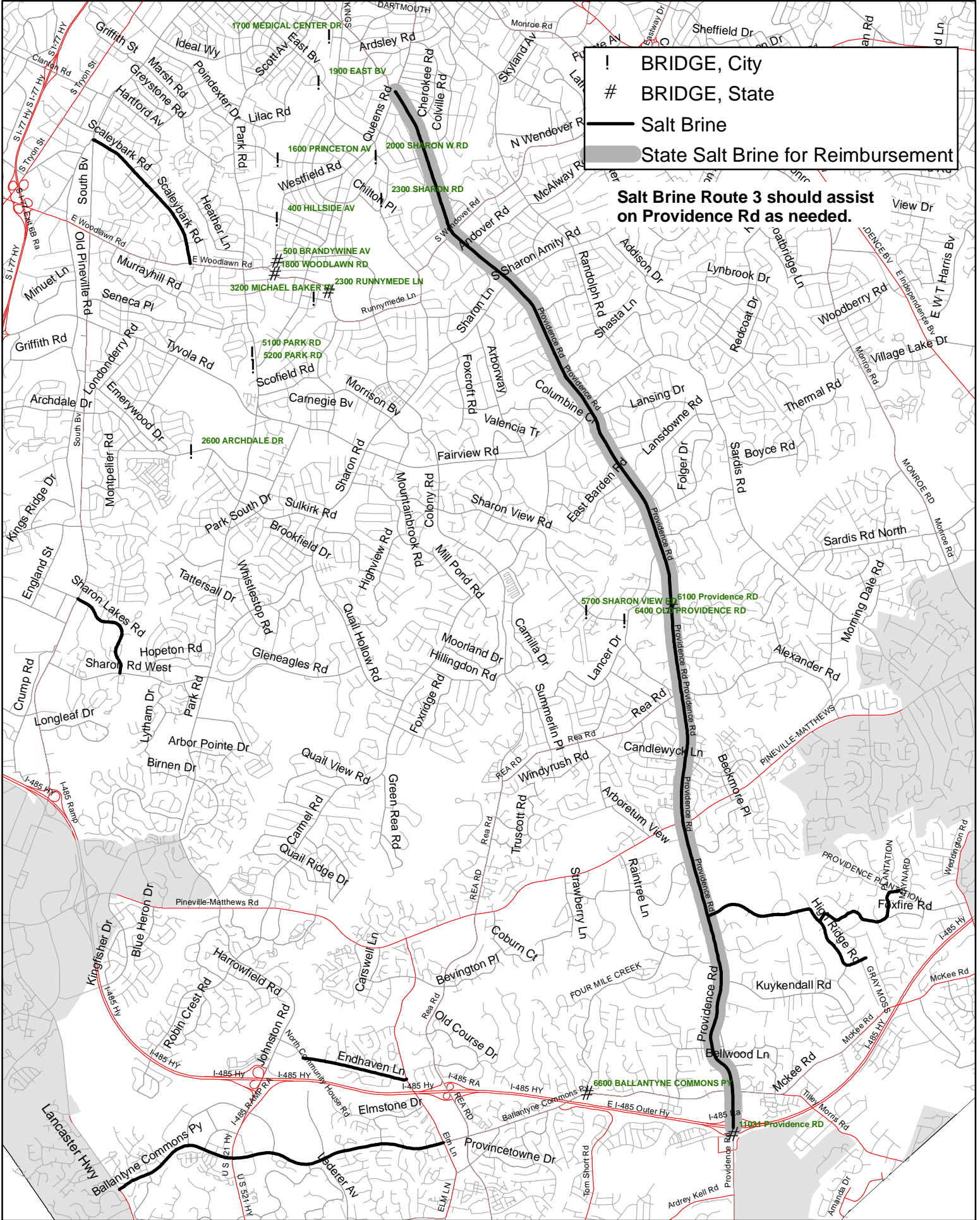
- Salt Brine
- ! BRIDGE, City
- # BRIDGE, State
- State Salt Brine for Reimbursement

Salt Brine Route 3 should assist on Providence Rd as needed.

# Salt Brine Route 4

FY10

Produced by Street Maintenance Division Planning Section



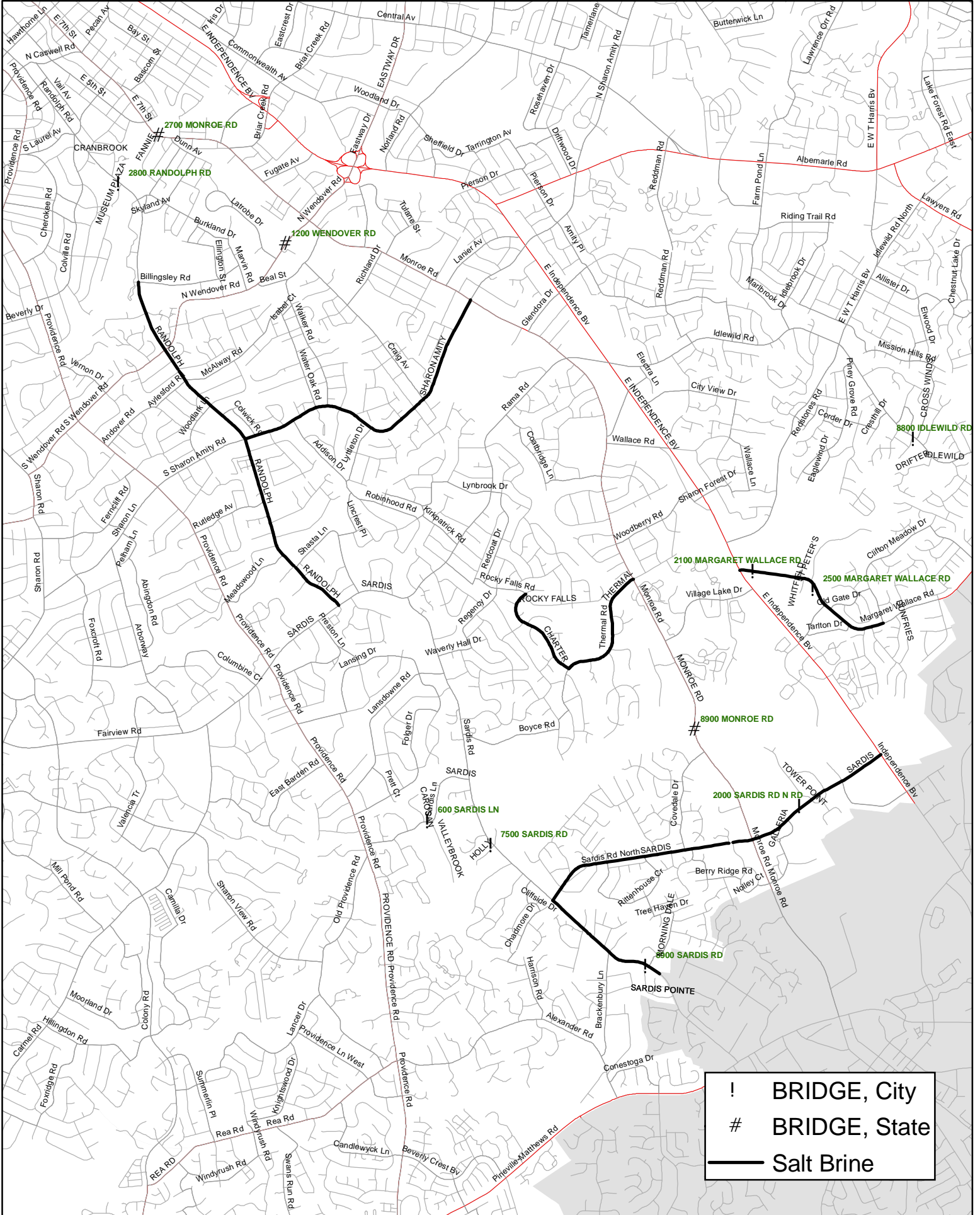
**Salt Brine Route 3 should assist on Providence Rd as needed.**



# Salt Brine Route 5

Produced by Street Maintenance Division Planning Section

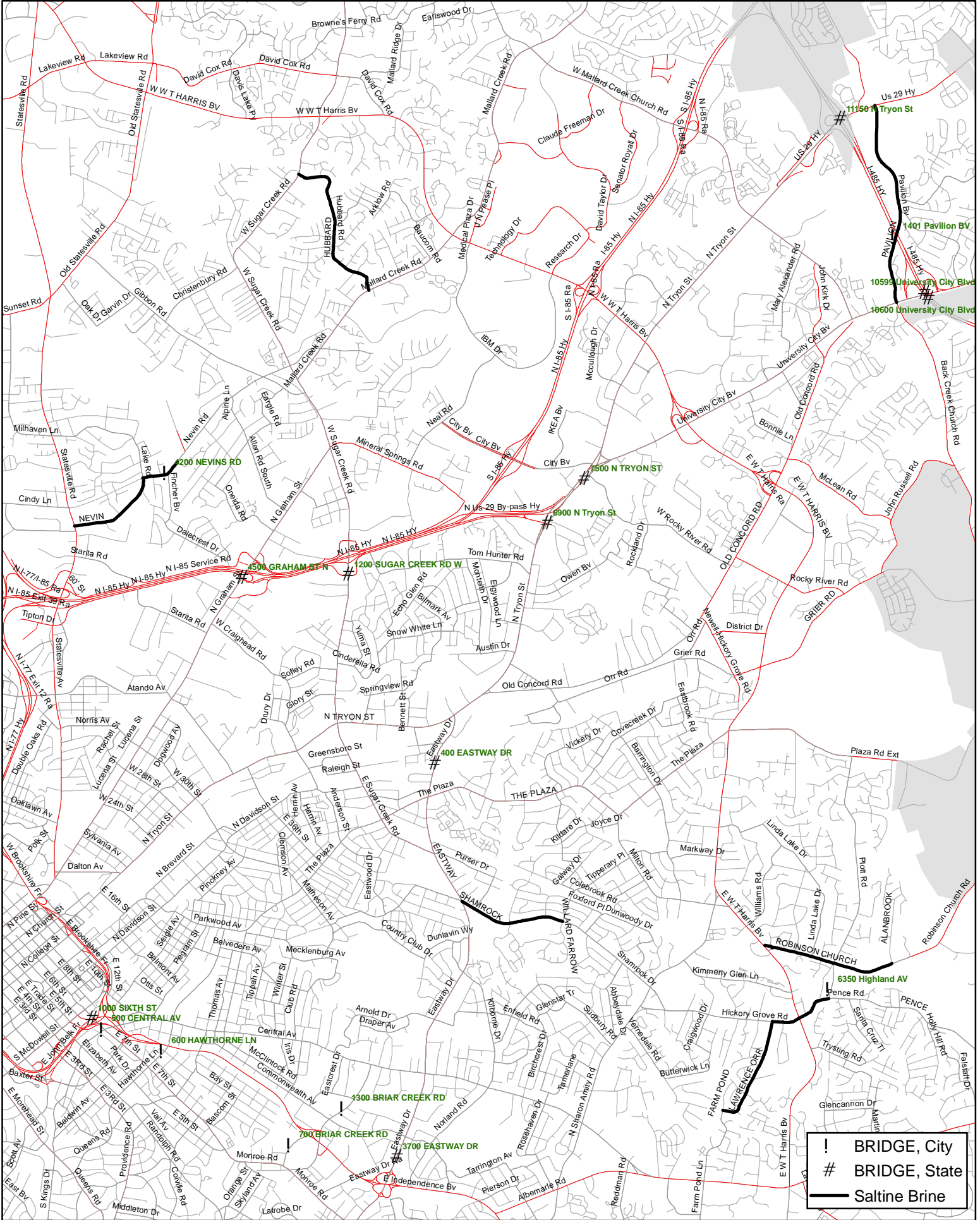
FY10



# Salt Brine Route 6

Produced by Street Maintenance Division Planning Section

FY10







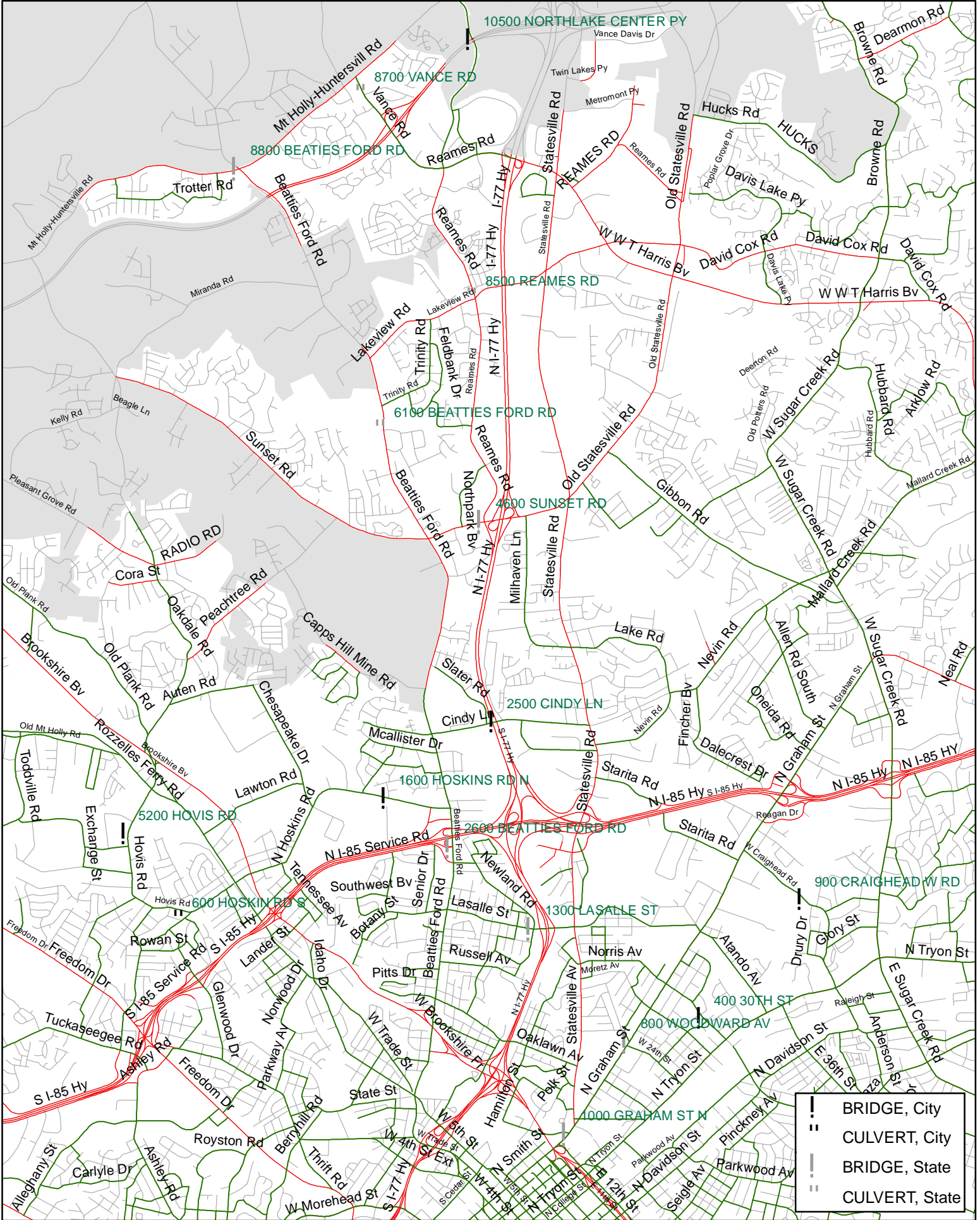




# Condition A Route 3

Produced by Street Maintenance Division Planning Section

FY10



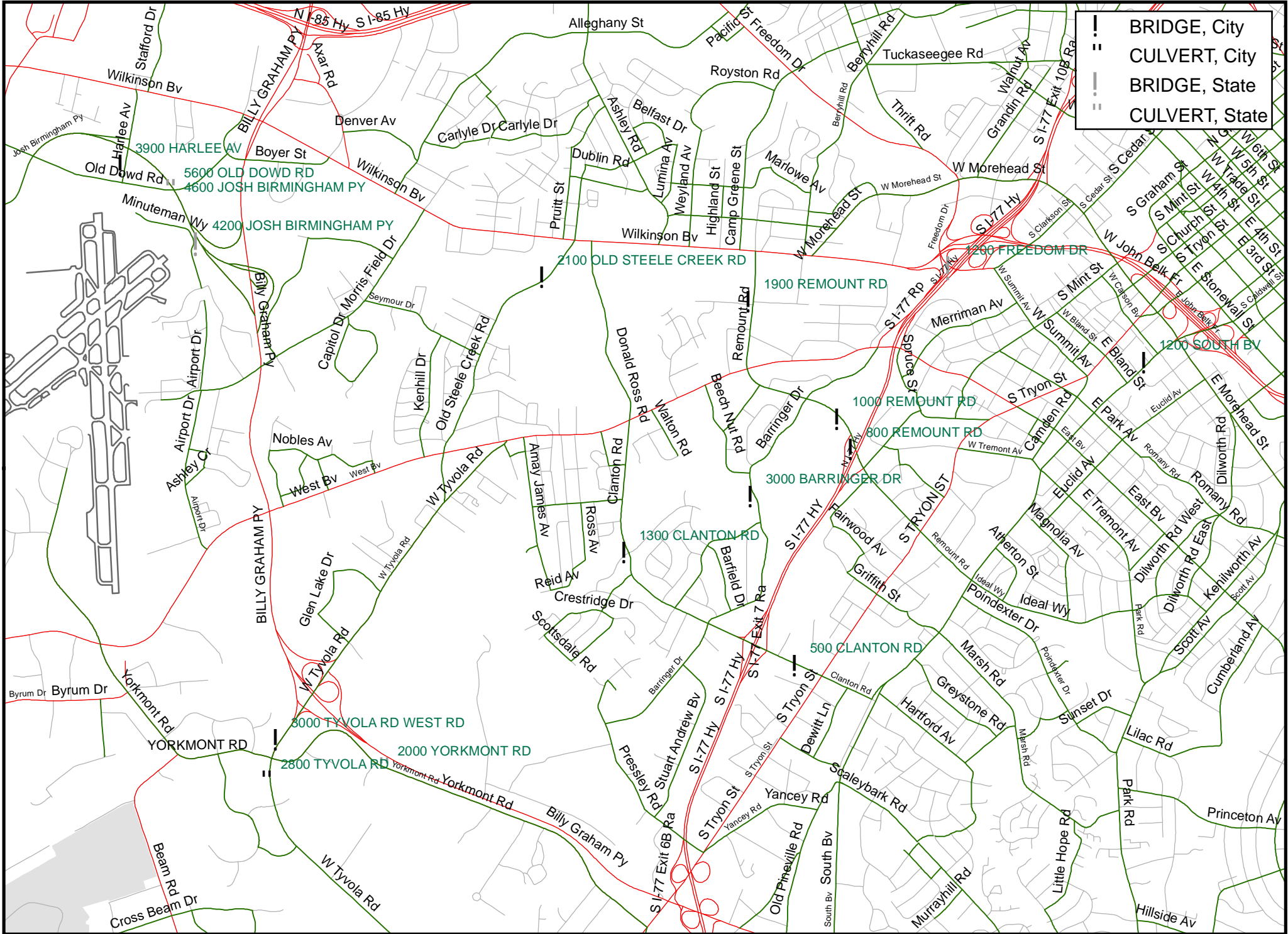
—	BRIDGE, City
- - -	CULVERT, City
— —	BRIDGE, State
- - - —	CULVERT, State



# Condition A Route 4

Produced by Street Maintenance Division Planning Section

FY10

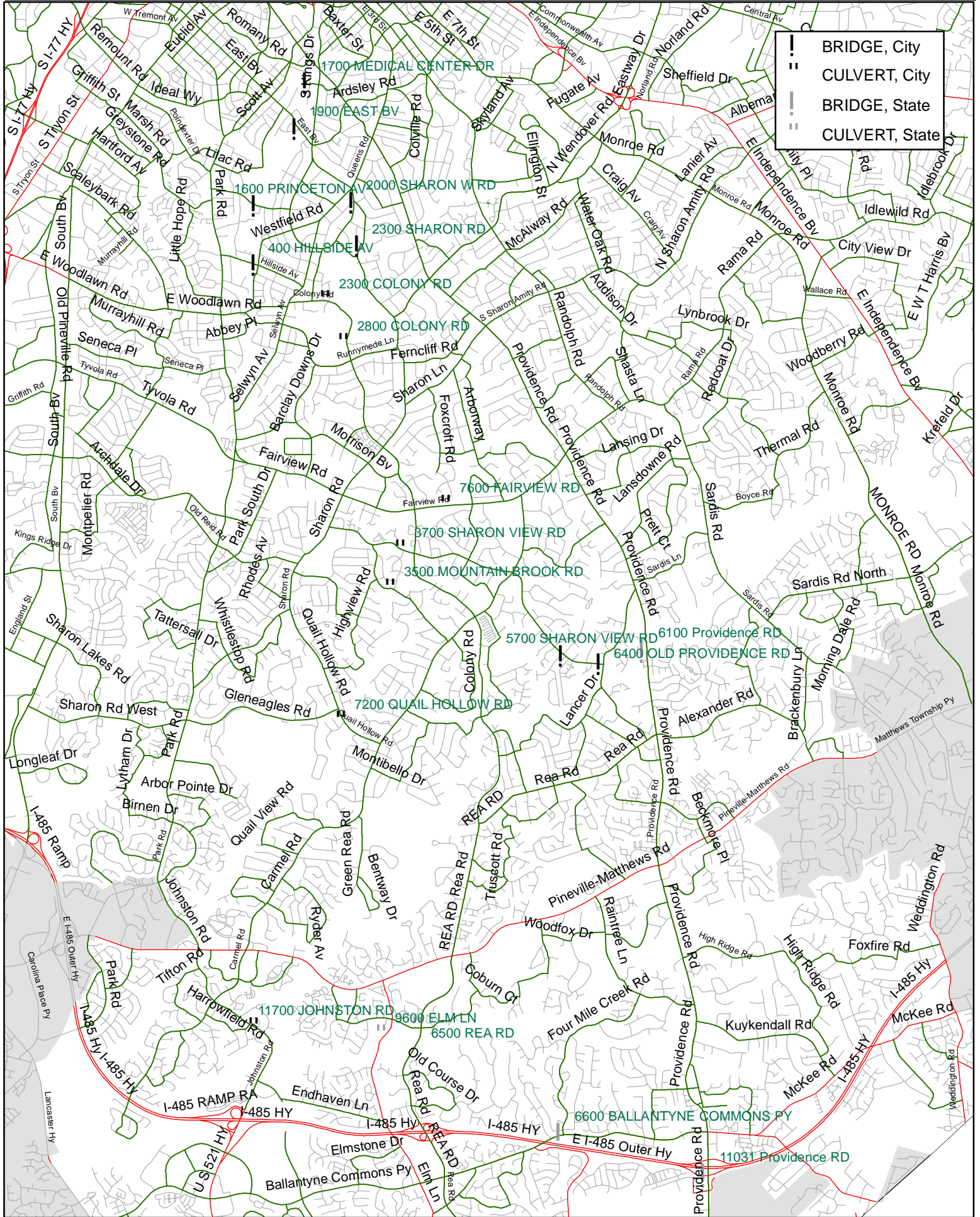


- BRIDGE, City
- CULVERT, City
- BRIDGE, State
- CULVERT, State

# Condition A Route 5

FY10

Produced by Street Maintenance Division Planning Section



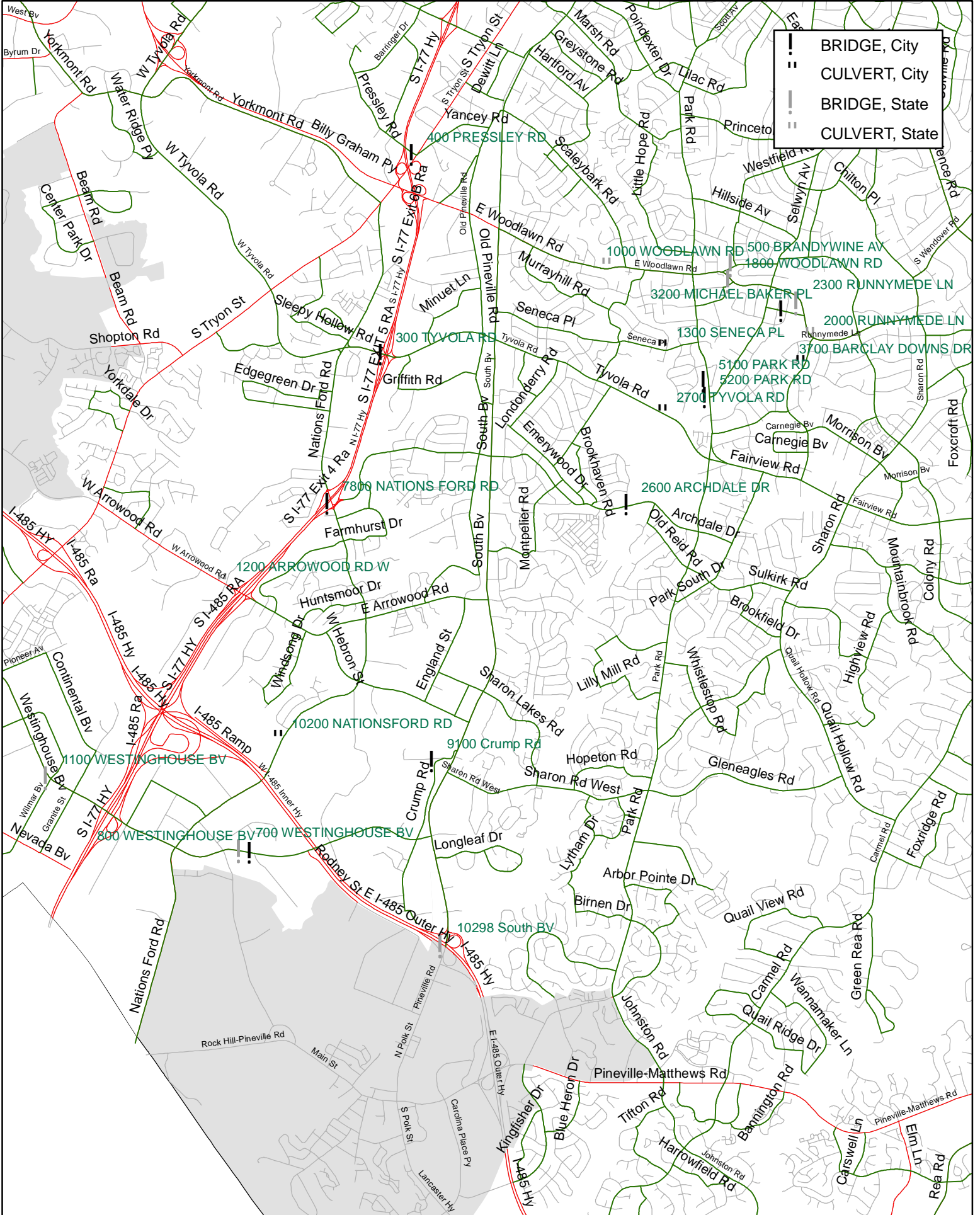
- BRIDGE, City
- CULVERT, City
- BRIDGE, State
- CULVERT, State



# Condition A Route 6

FY10

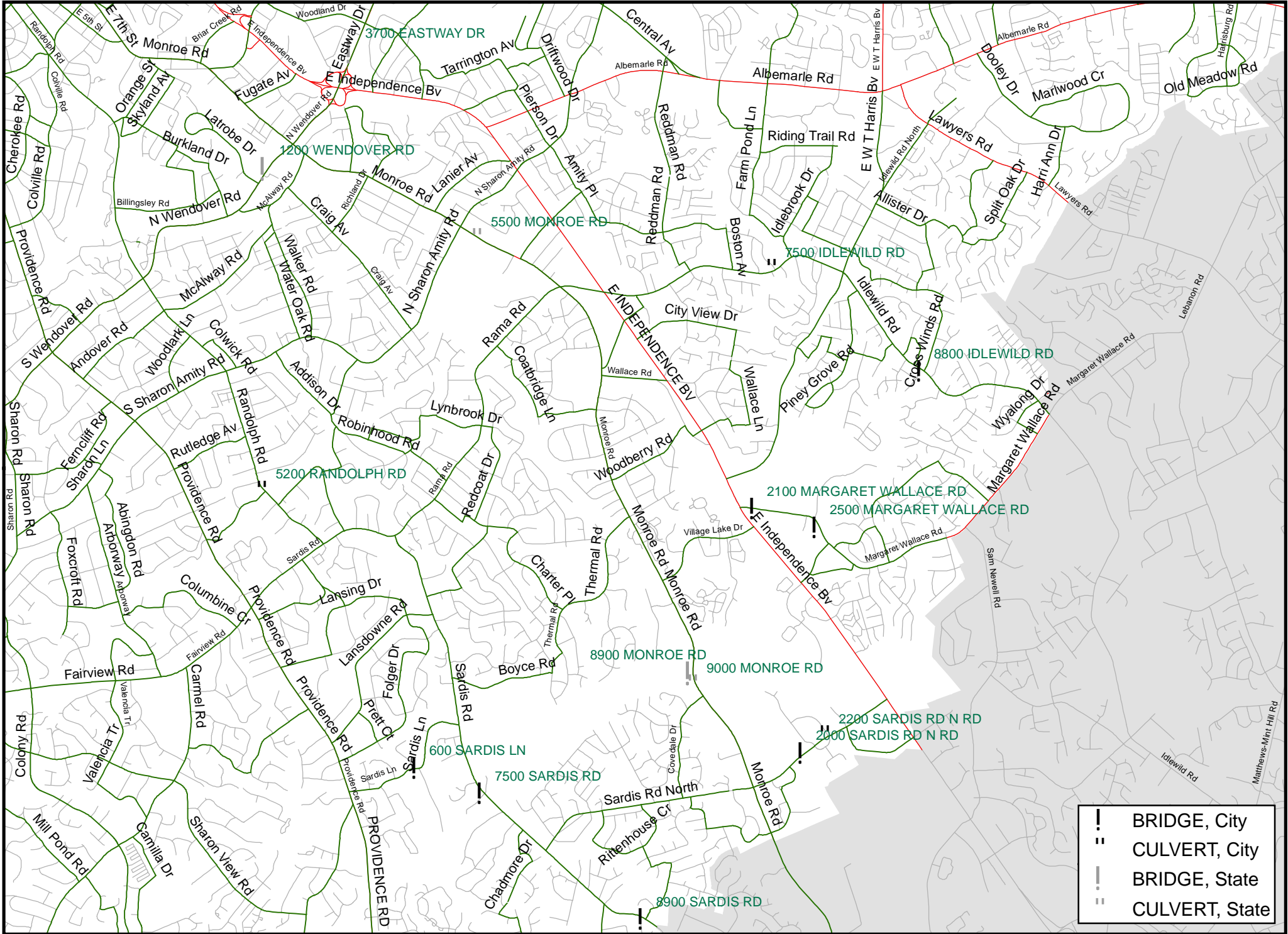
Produced by Street Maintenance Division Planning Section



# Condition A Route 7

Produced by Street Maintenance Division Planning Section

FY10



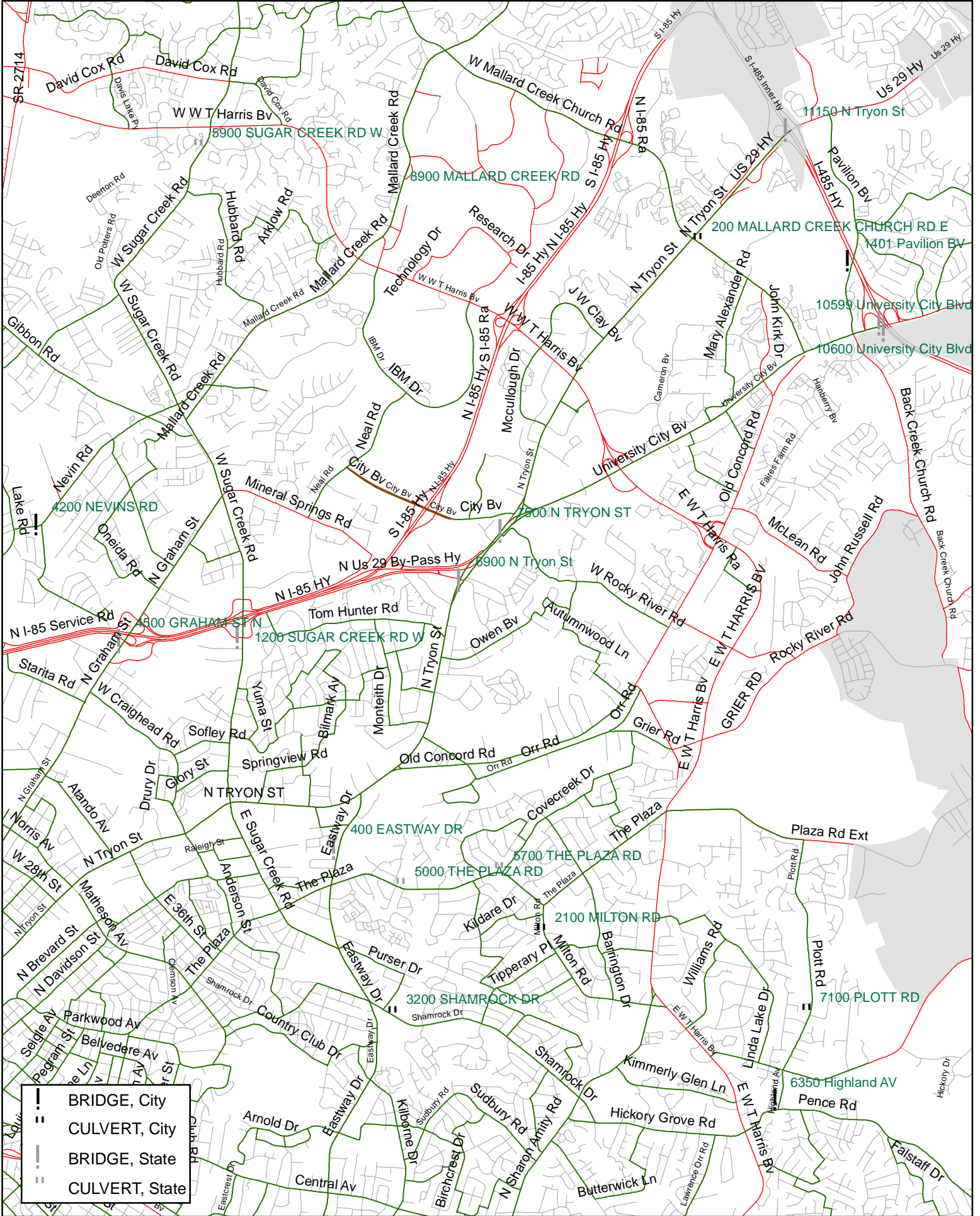




# Condition A Route 9

Produced by Street Maintenance Division Planning Section

FY10

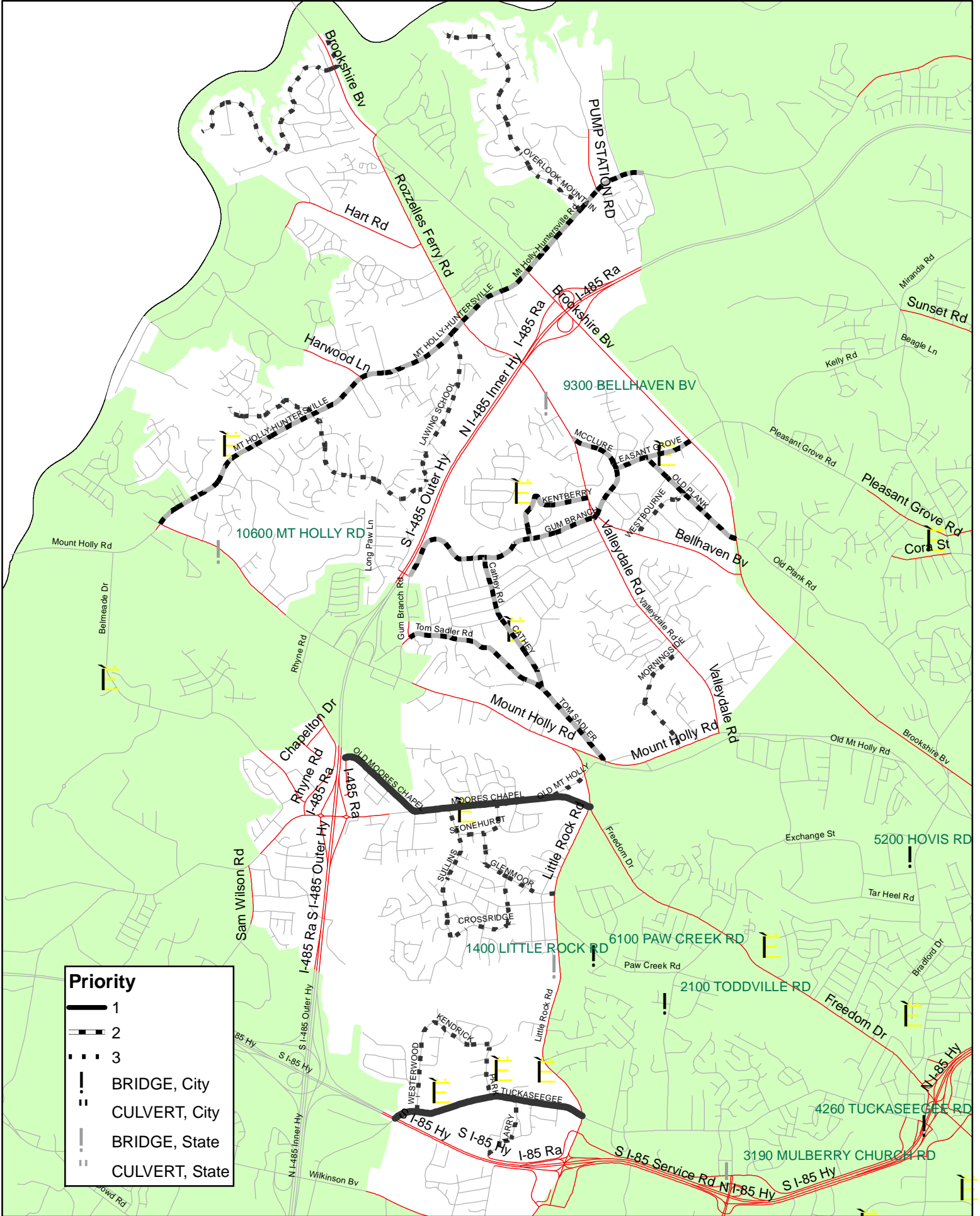




# Snow Routes - B & C Condition Route 1

Produced by Street Maintenance Division Planning Section

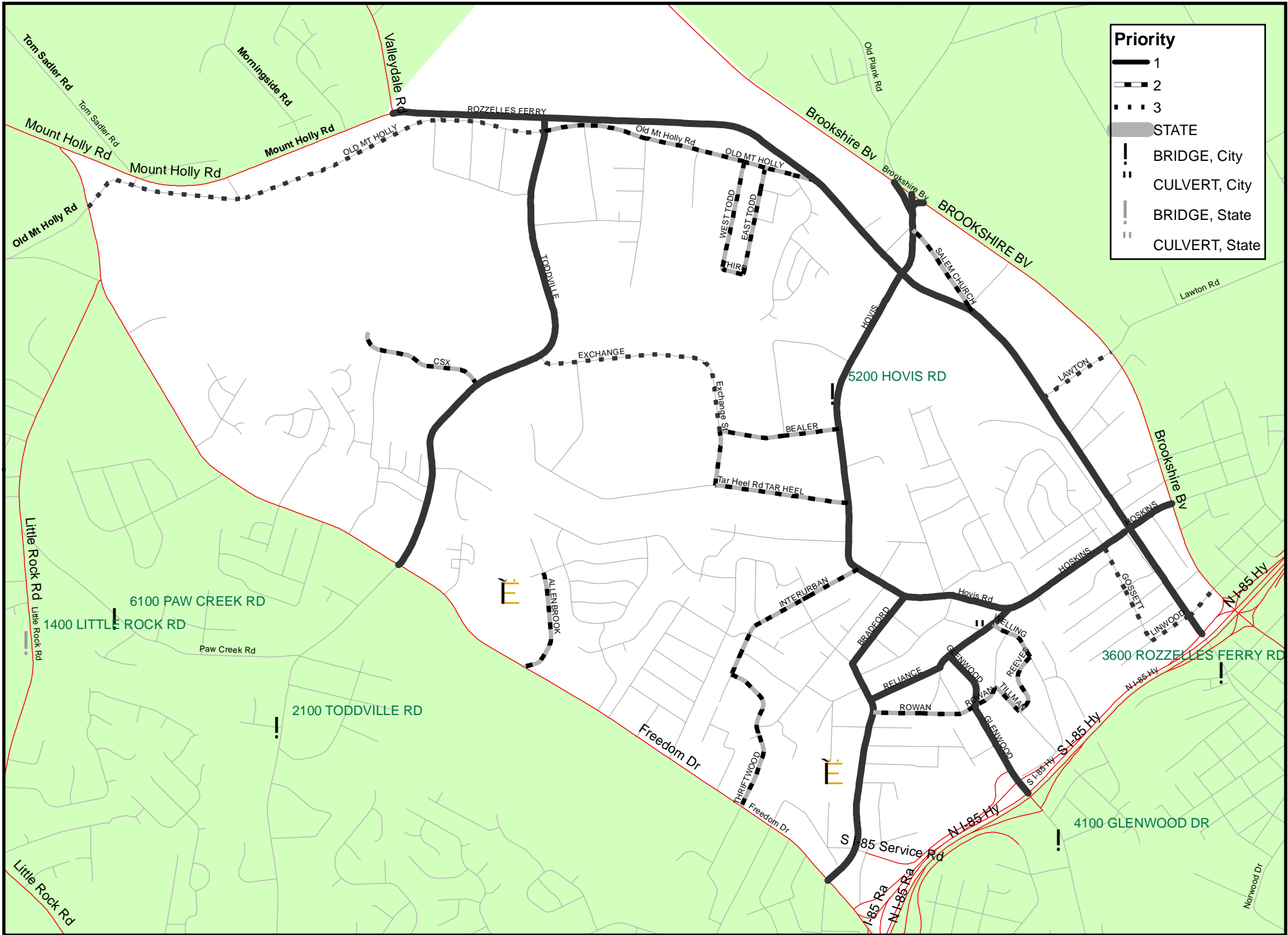
FY10



# Snow Routes - B and C Condition Route 2

Produced by Street Maintenance Division Planning Section

FY10



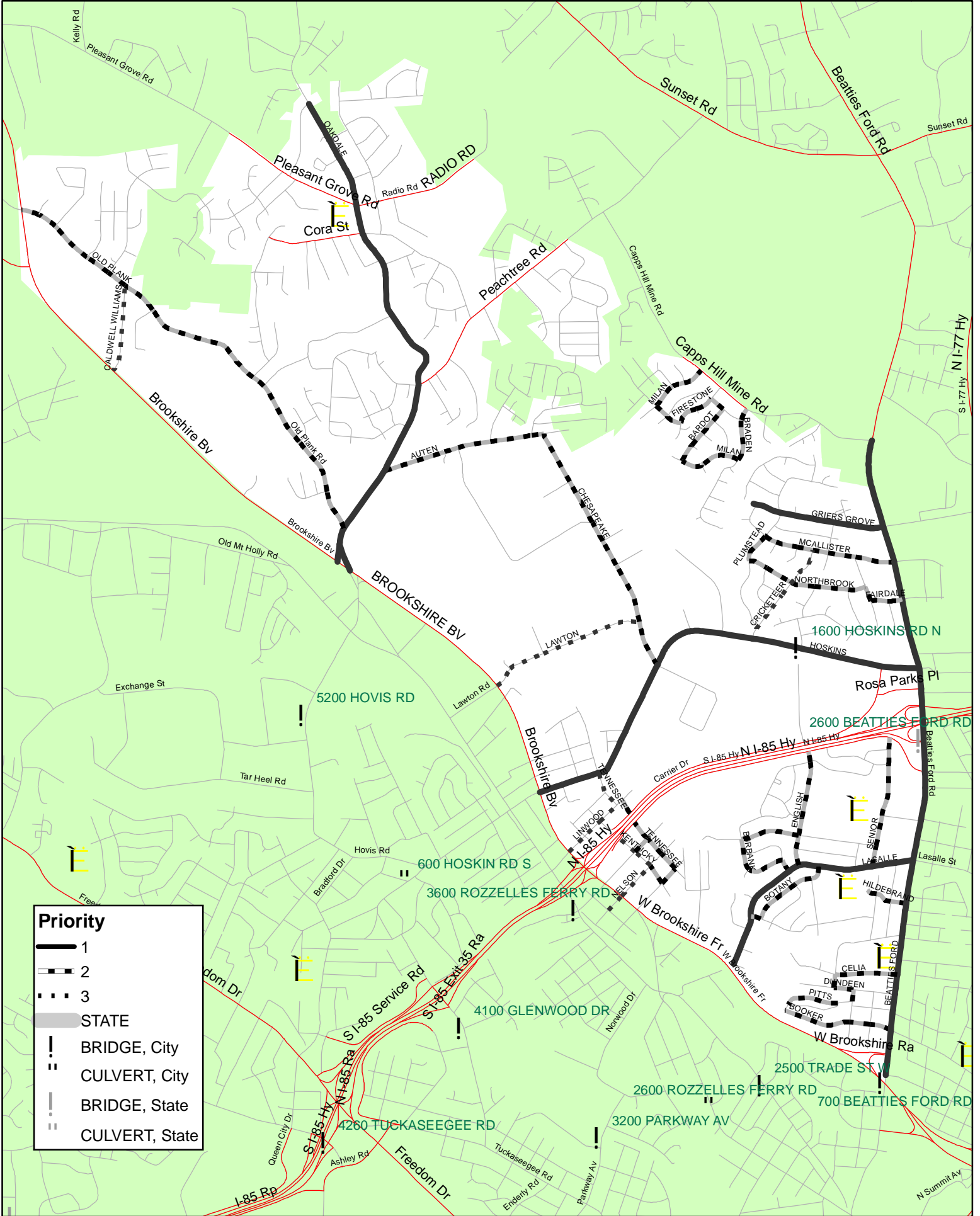
**Priority**

- 1
- 2
- 3
- STATE
- BRIDGE, City
- CULVERT, City
- BRIDGE, State
- CULVERT, State









# Snow Routes - B & C Condition Route 3

Produced by Street Maintenance Division Planning Section

FY10



### Priority

-  1
-  2
-  3
-  STATE
-  BRIDGE, City
-  CULVERT, City
-  BRIDGE, State
-  CULVERT, State



# Snow Routes - B & C Condition Route 4

FY10

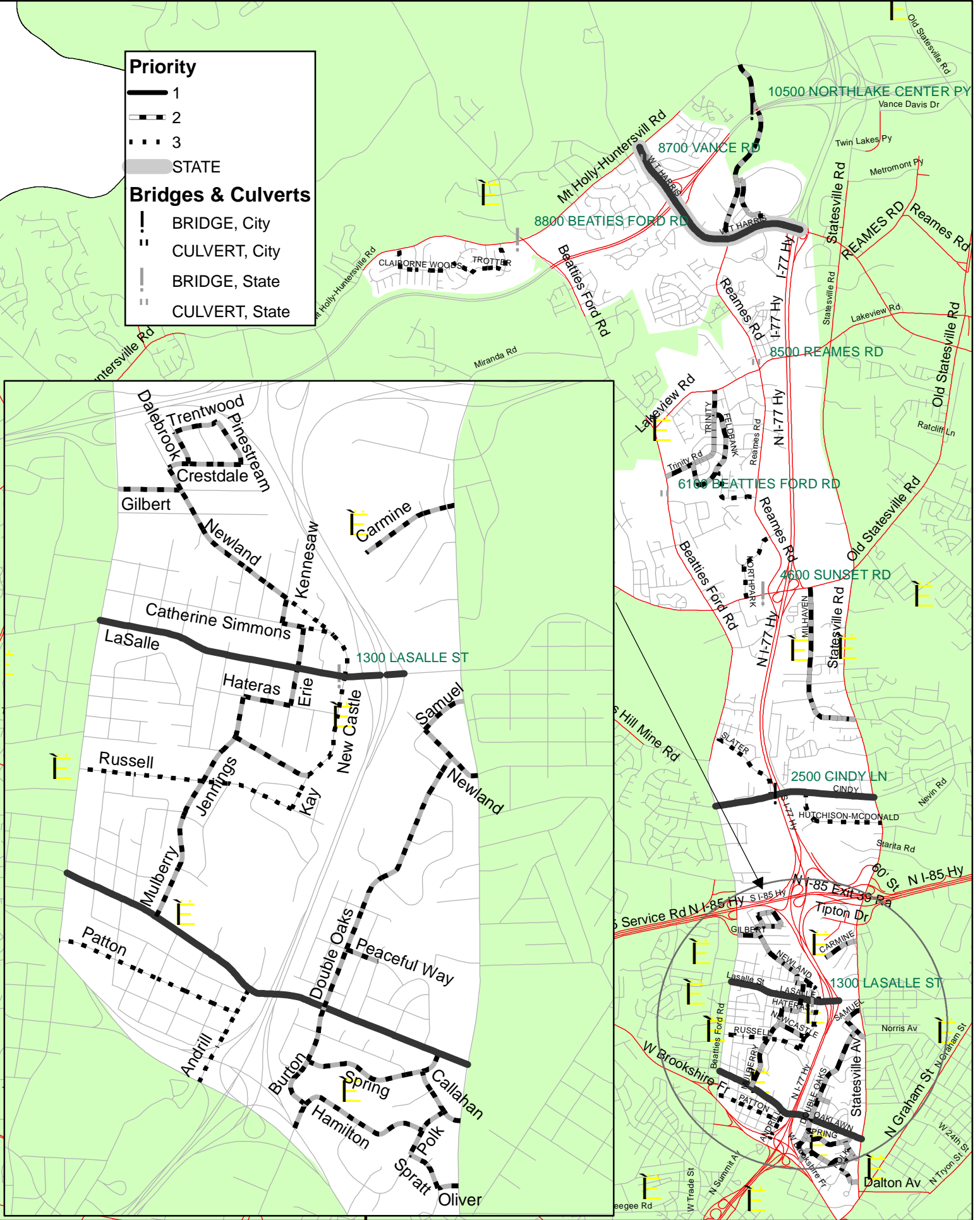
Produced by Street Maintenance Division Planning Section

**Priority**

- 1 (Solid black line)
- 2 (Dashed black line)
- 3 (Dotted black line)
- STATE (Grey shaded area)

**Bridges & Culverts**

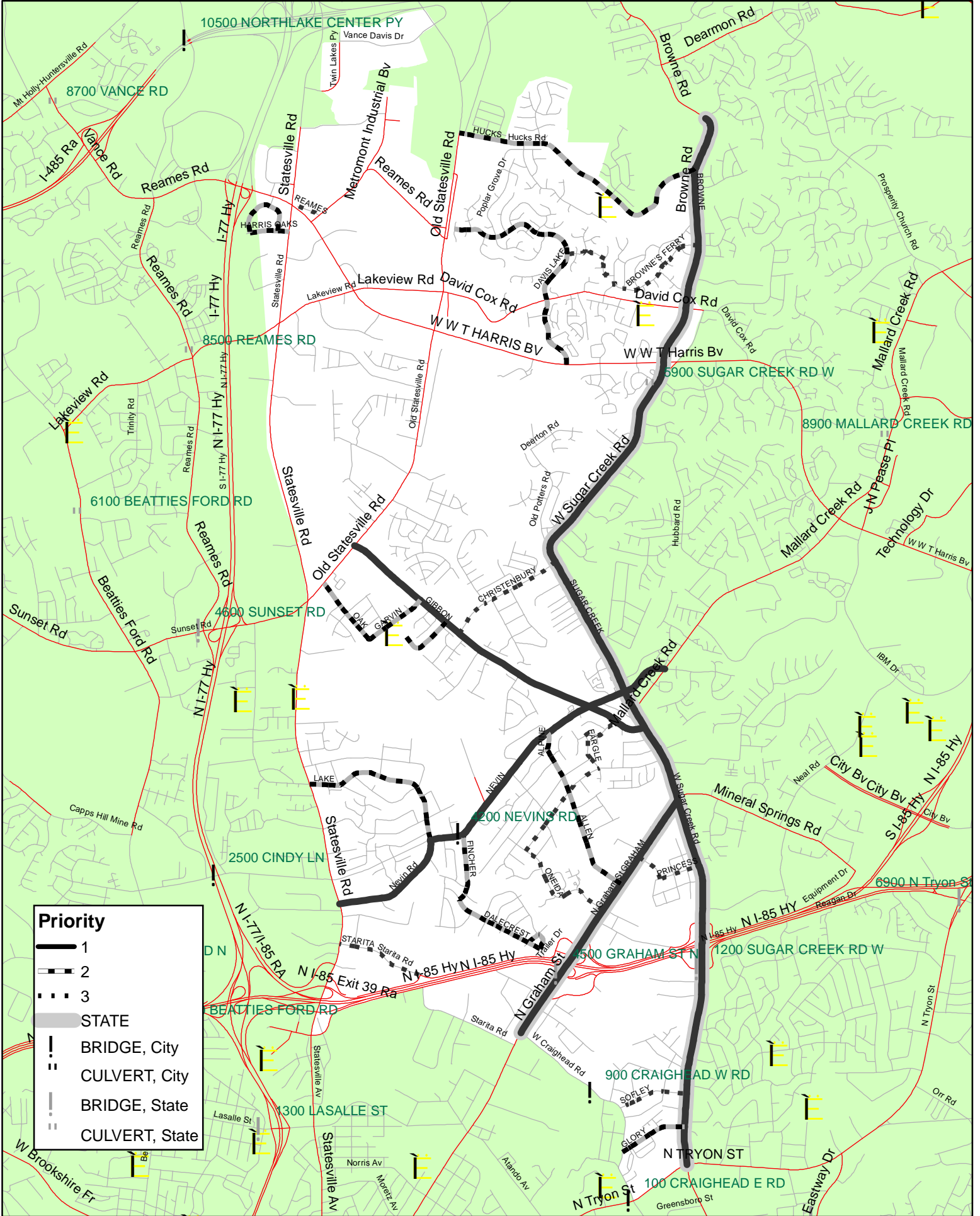
- BRIDGE, City (Yellow T-bar symbol)
- CULVERT, City (Yellow T-bar symbol)
- BRIDGE, State (Yellow T-bar symbol)
- CULVERT, State (Yellow T-bar symbol)



# Snow Routes - B & C Condition Route 5

Produced by Street Maintenance Division Planning Section

FY10

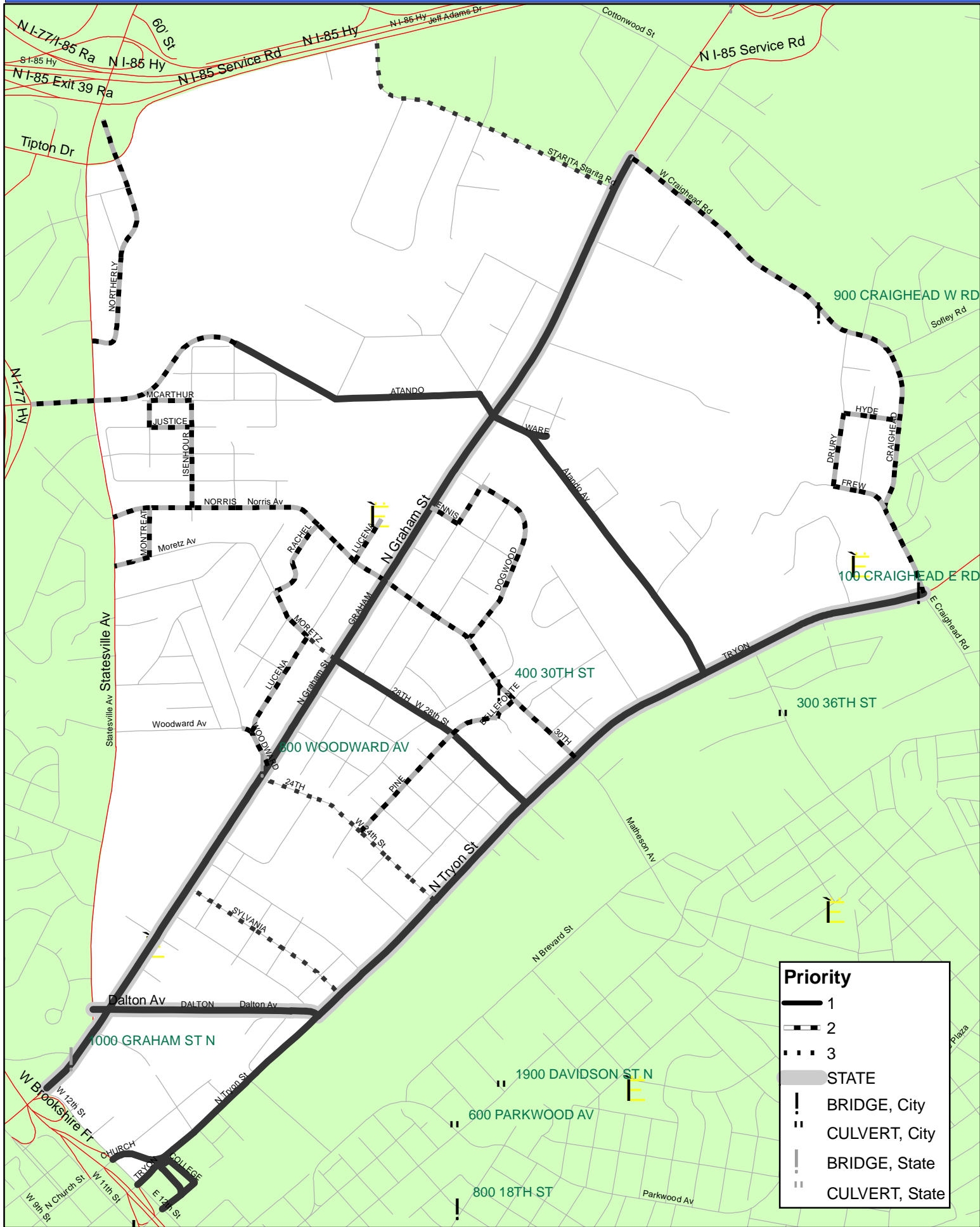


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B & C Condition Route 6

Produced by Street Maintenance Division Planning Section

FY10



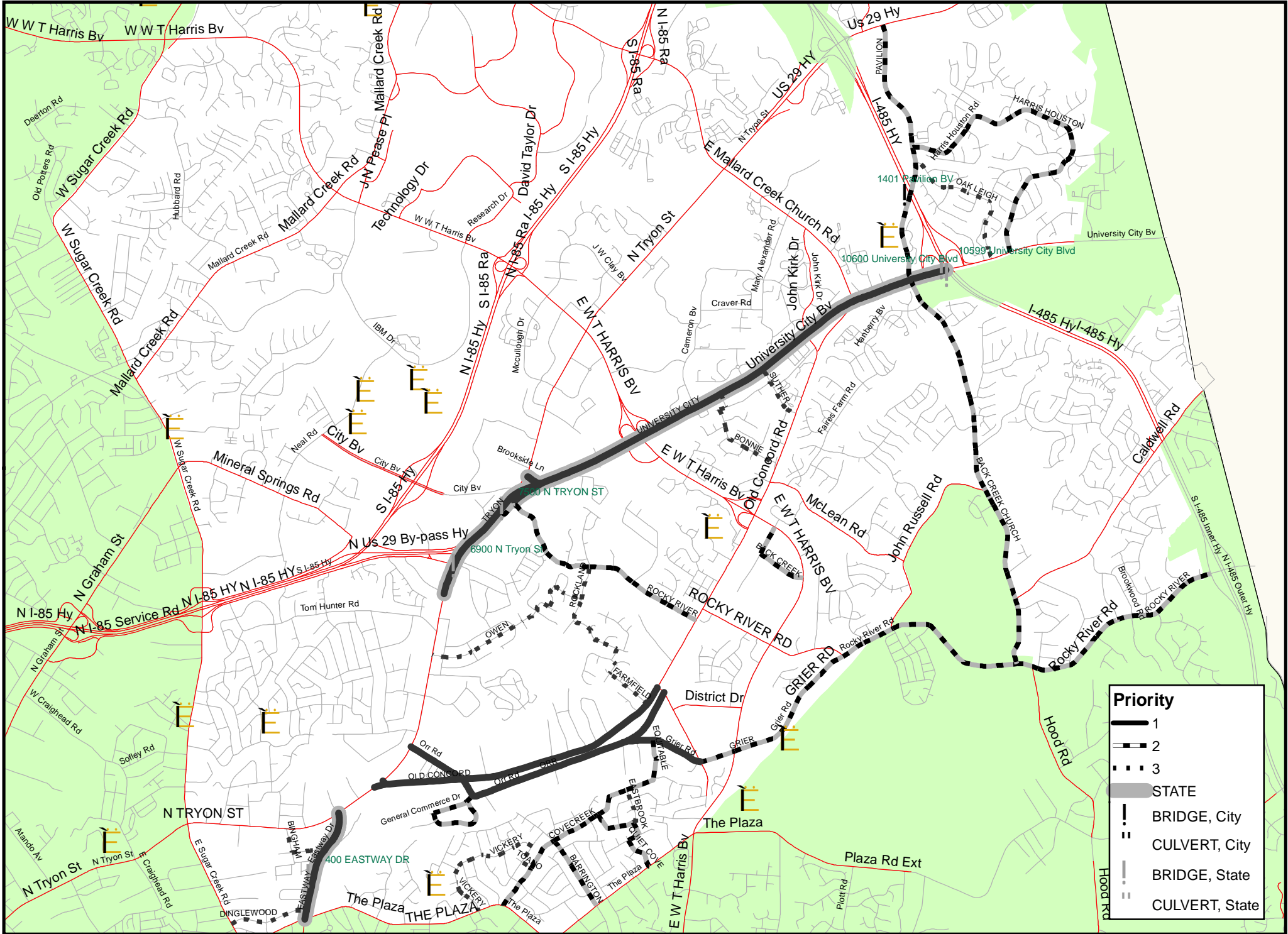
Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State



# Snow Routes - B and C Condition Route 7.1 (7A)

Produced by Street Maintenance Division Planning Section

FY10



Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

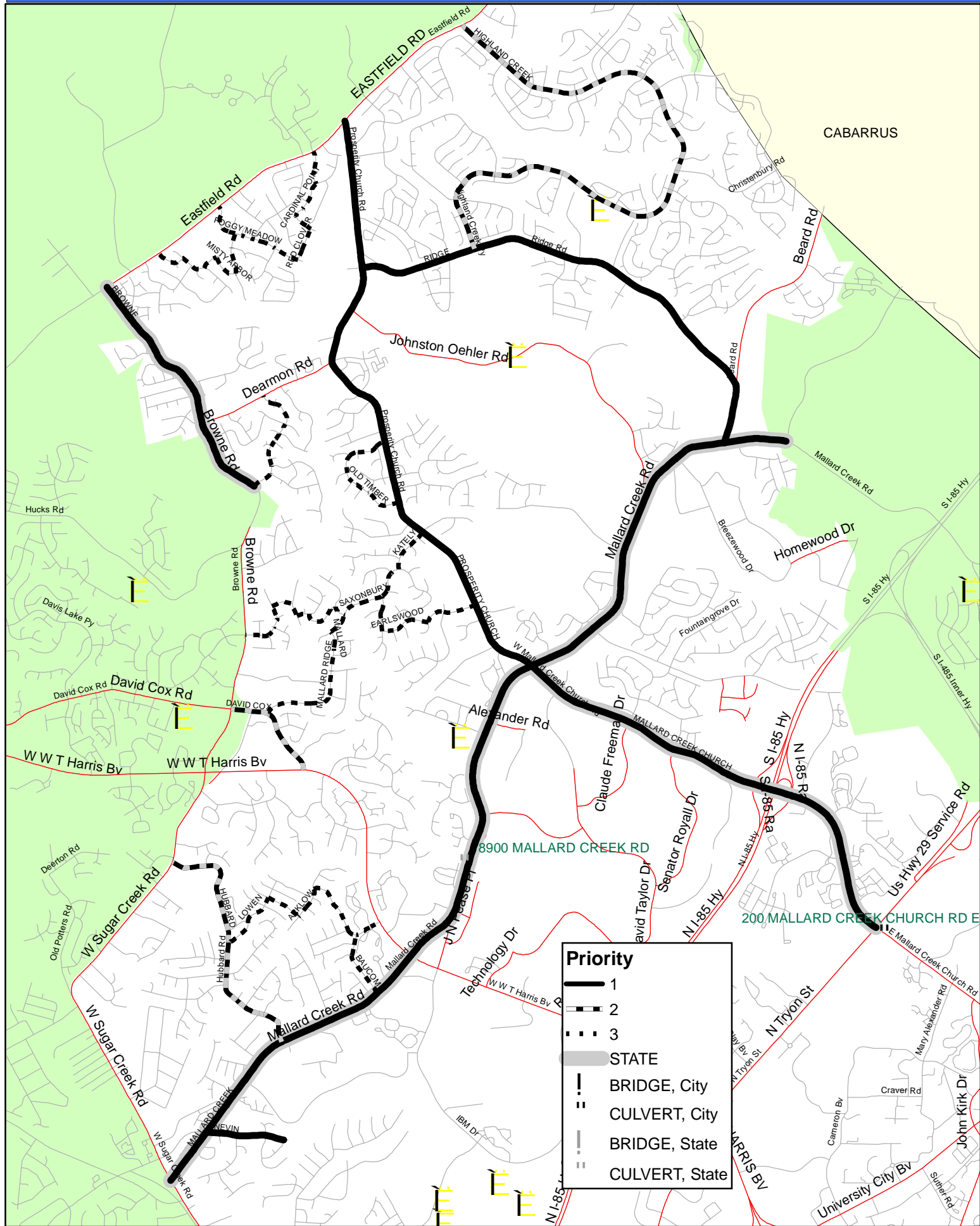




# Snow Routes - B & C Condition Route 7.3 (7C)

Produced by Street Maintenance Division Planning Section

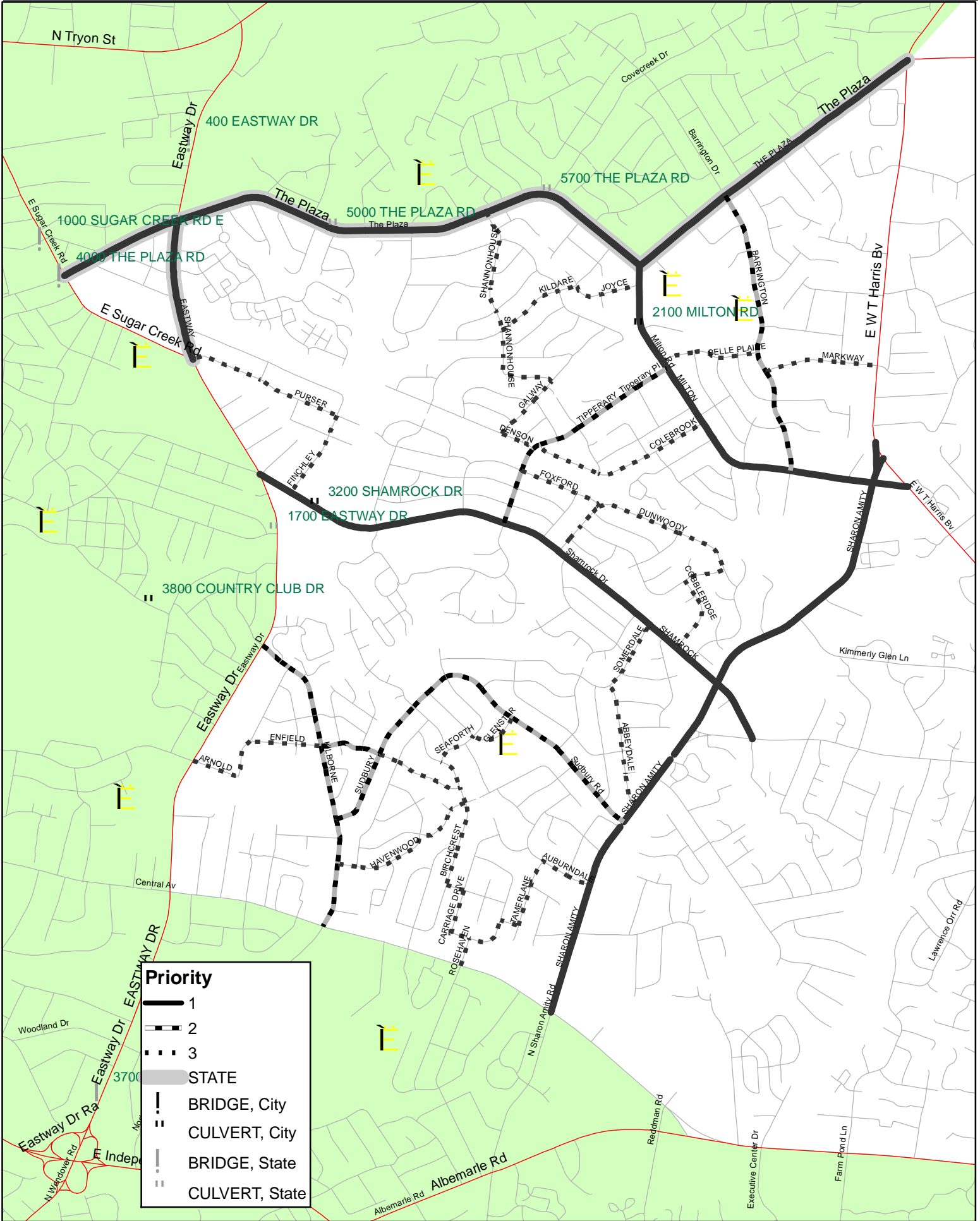
FY10



# Snow Routes - B & C Condition Route 8.1 (8A)

Produced by Street Maintenance Division Planning Section

FY10

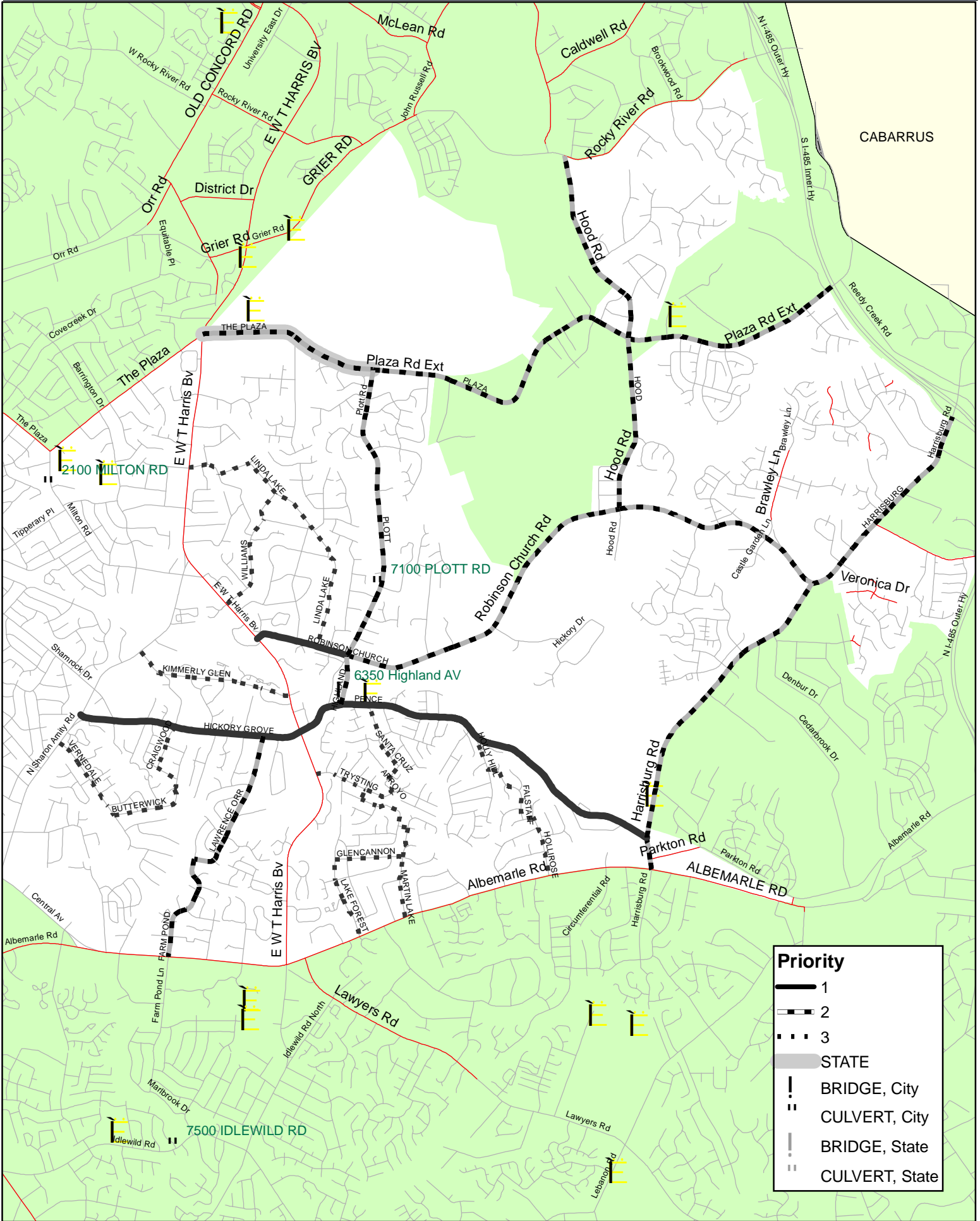


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B & C Condition Route 8.2 (8B)

FY10

Produced by Street Maintenance Division Planning Section

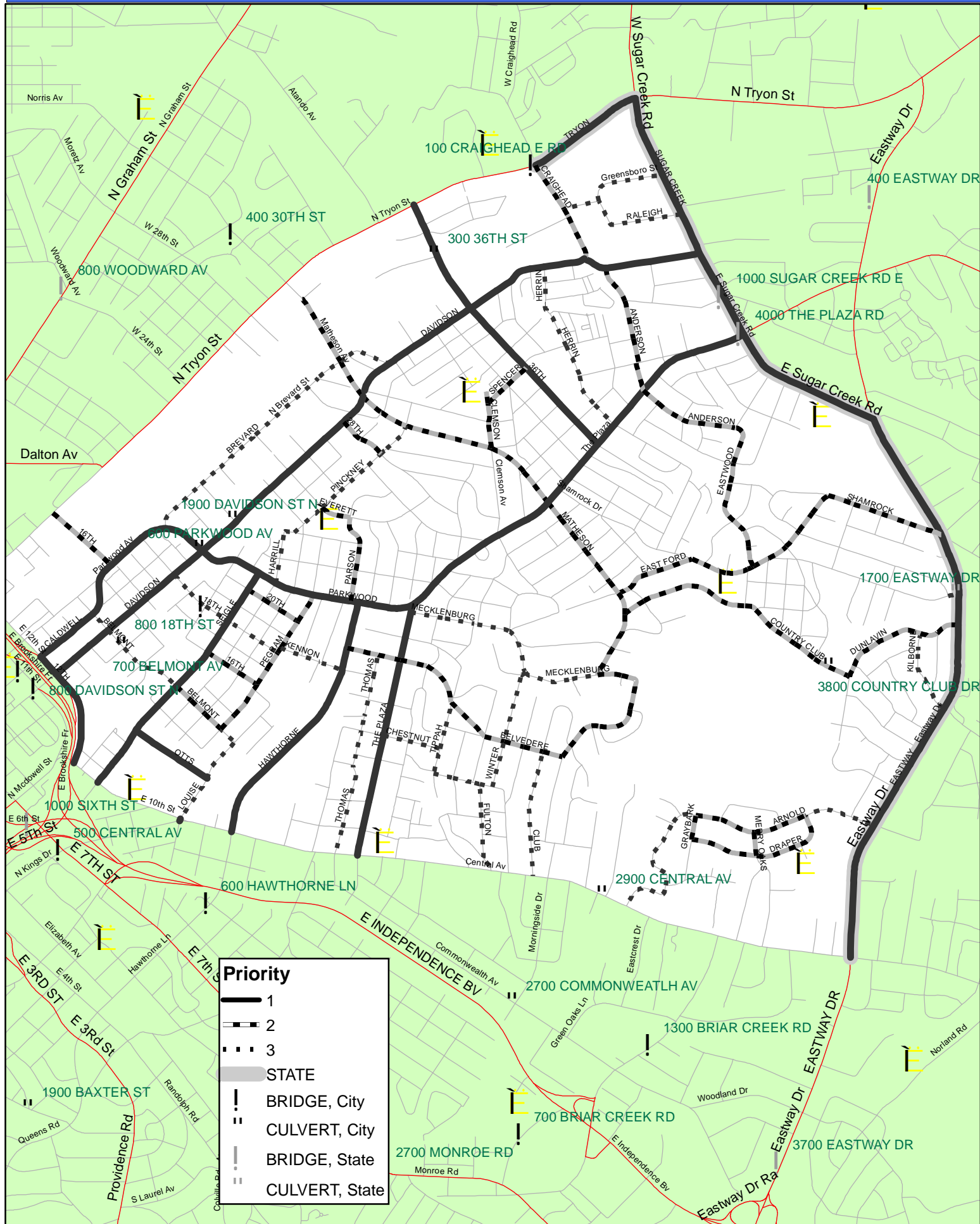




# Snow Routes - B & C Condition Route 9

FY10

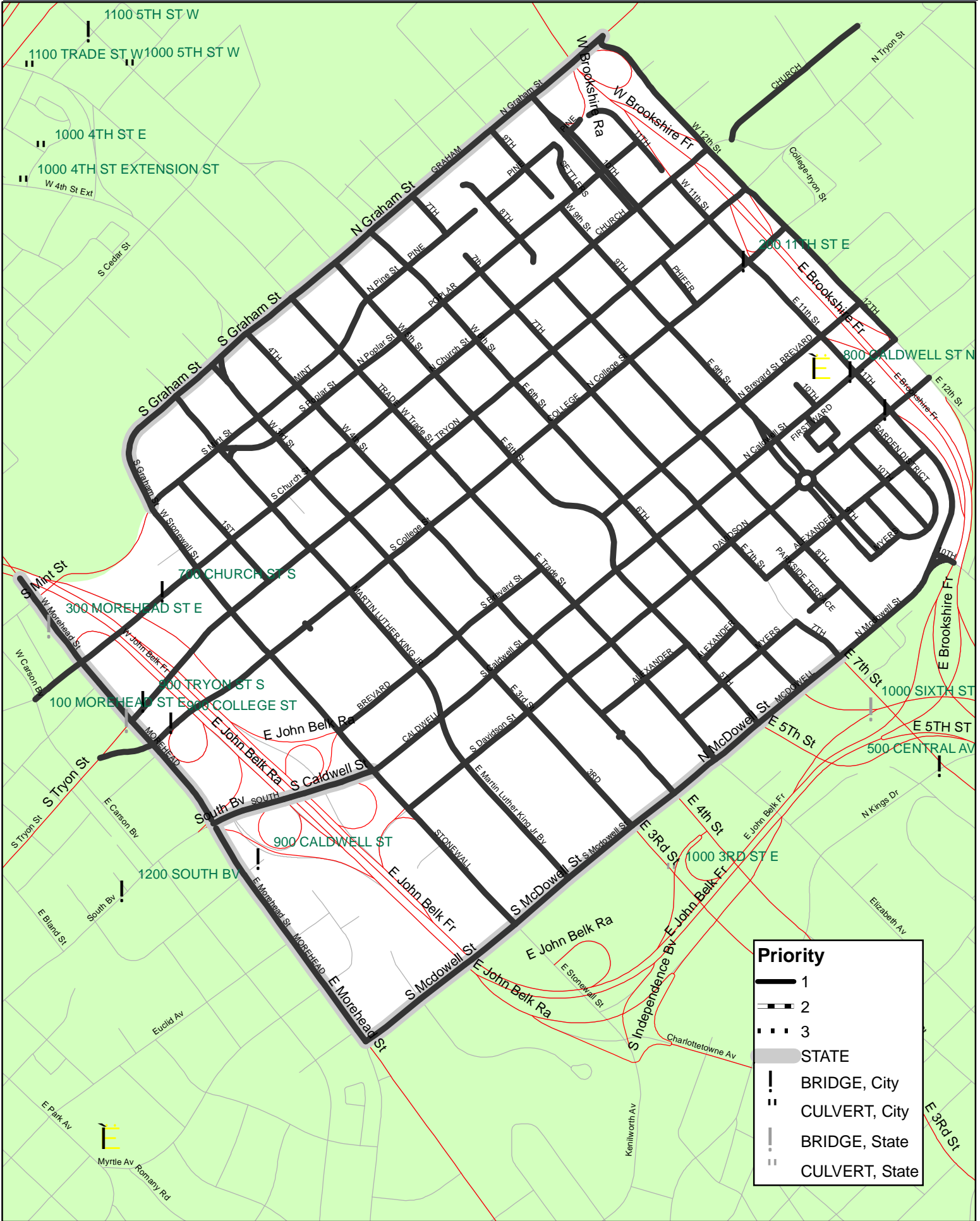
Produced by Street Maintenance Division Planning Section



# Snow Routes - B & C Condition Route 10

Produced by Street Maintenance Division Planning Section

FY10

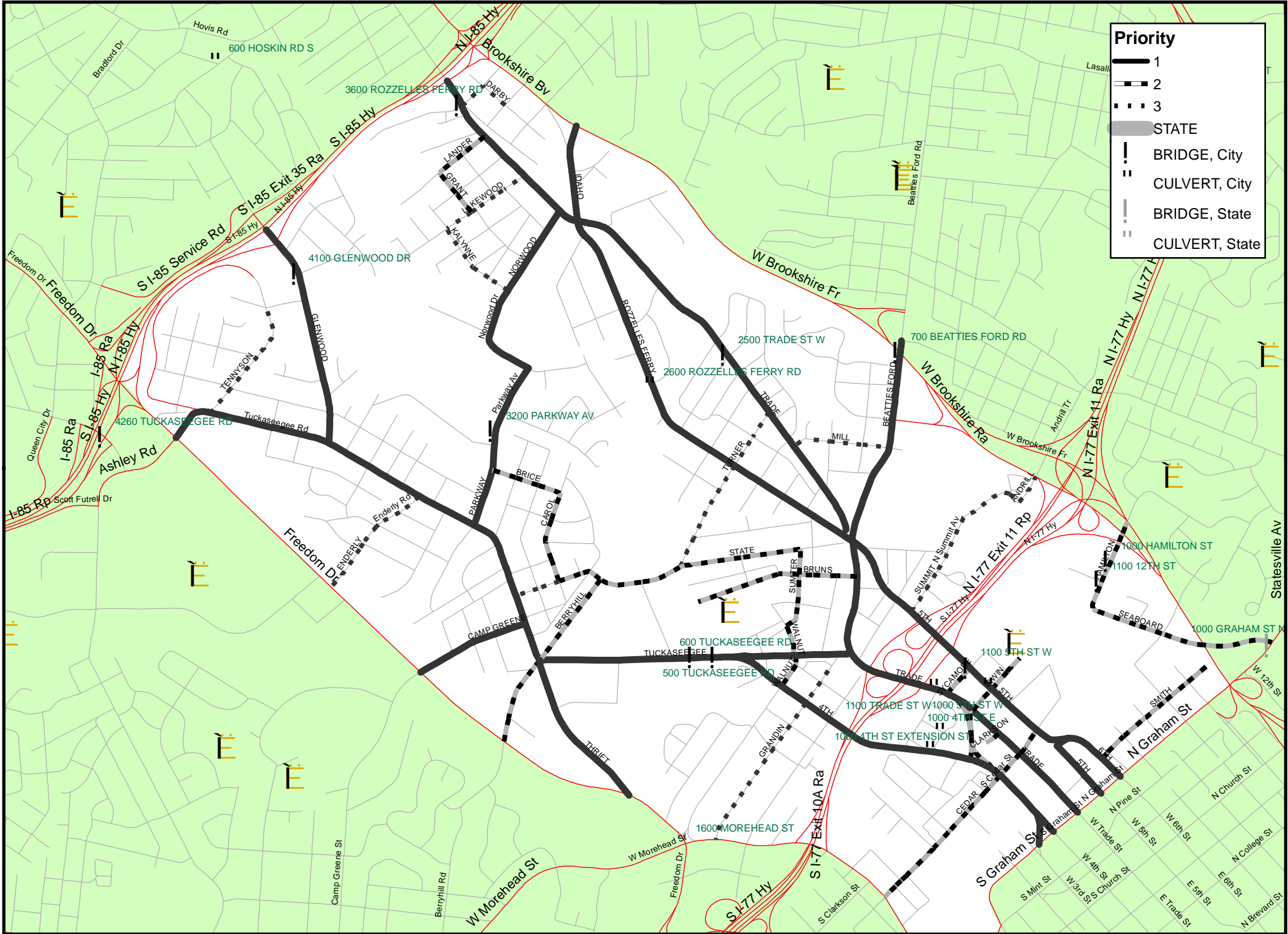


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B and C Condition Route 11

Produced by Street Maintenance Division Planning Section

FY10



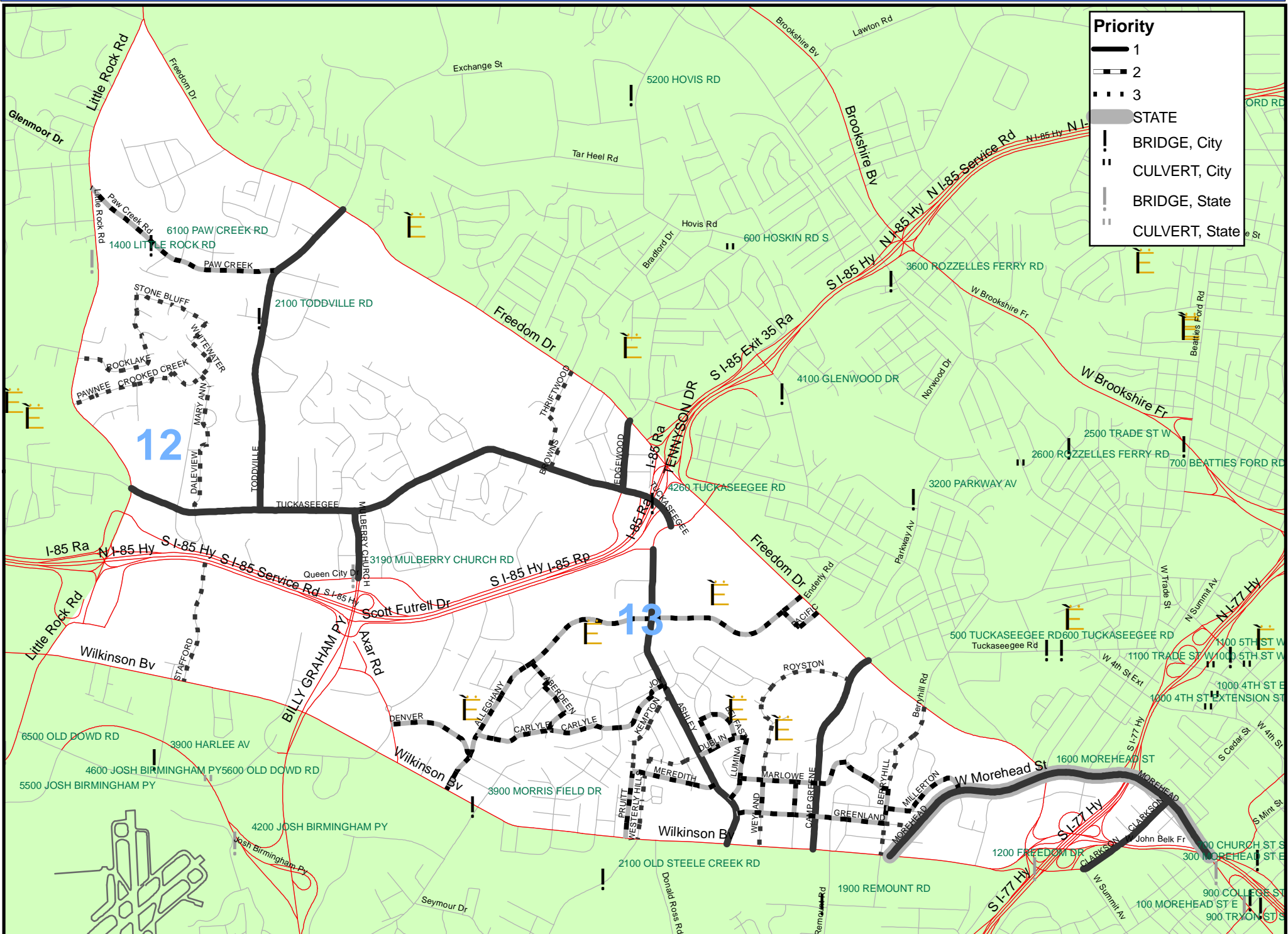
Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State



# Snow Routes - B and C Condition Route 12/13

Produced by Street Maintenance Division Planning Section

FY10

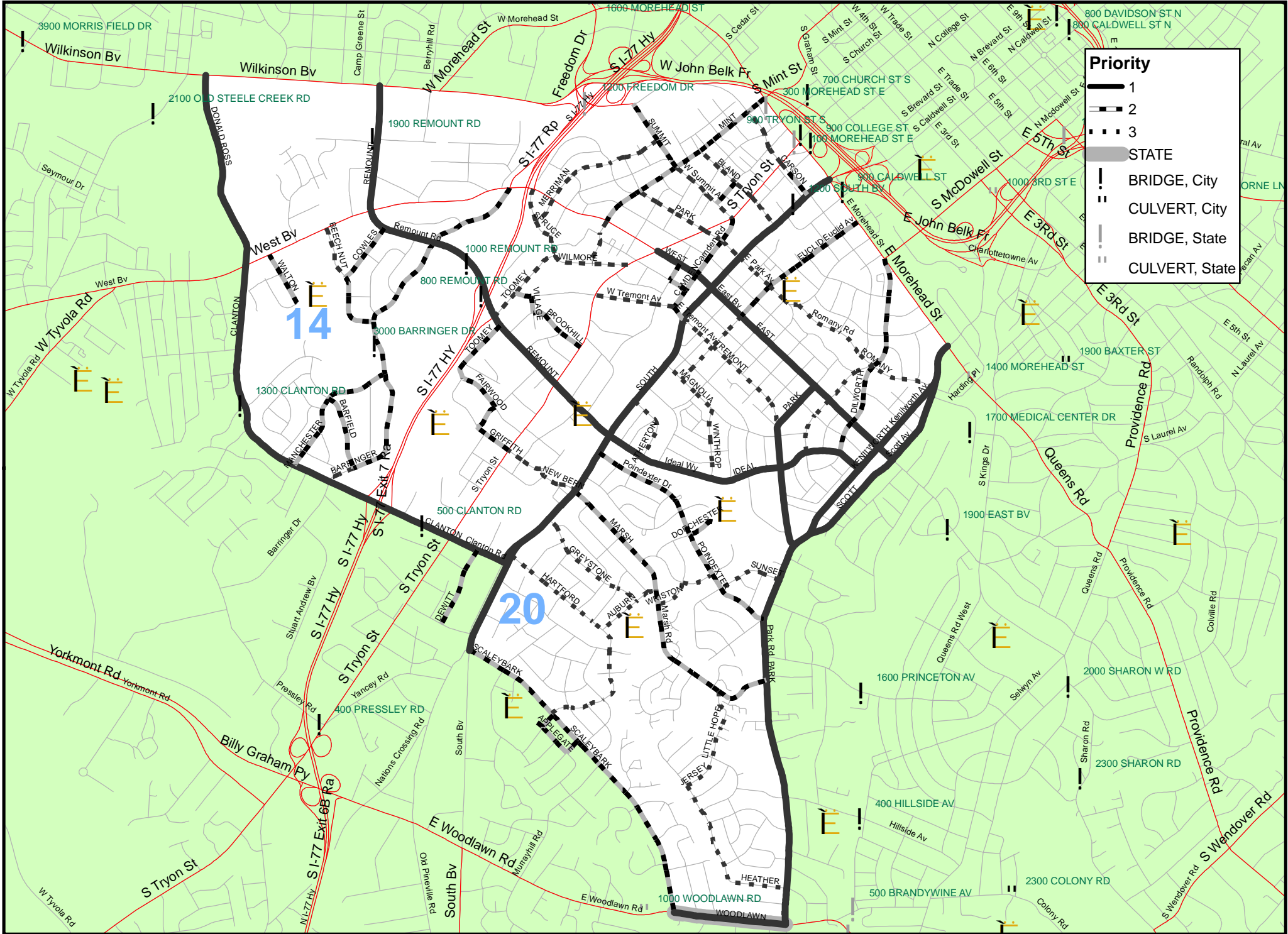


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B and C Condition Route 14/20

Produced by Street Maintenance Division Planning Section

FY10



Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

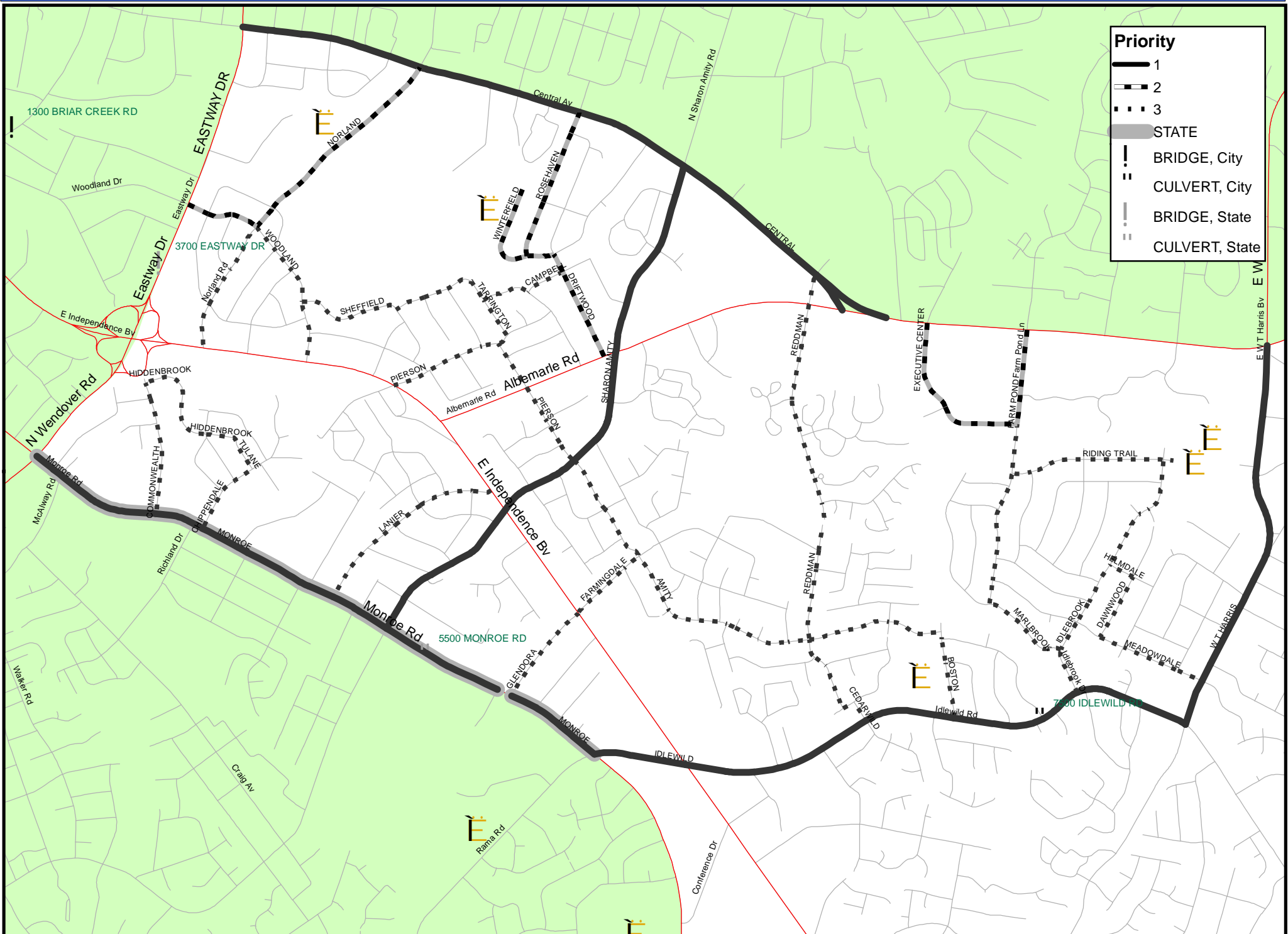




# Snow Routes - B and C Condition Route 16A (16.1)

Produced by Street Maintenance Division Planning Section

FY10



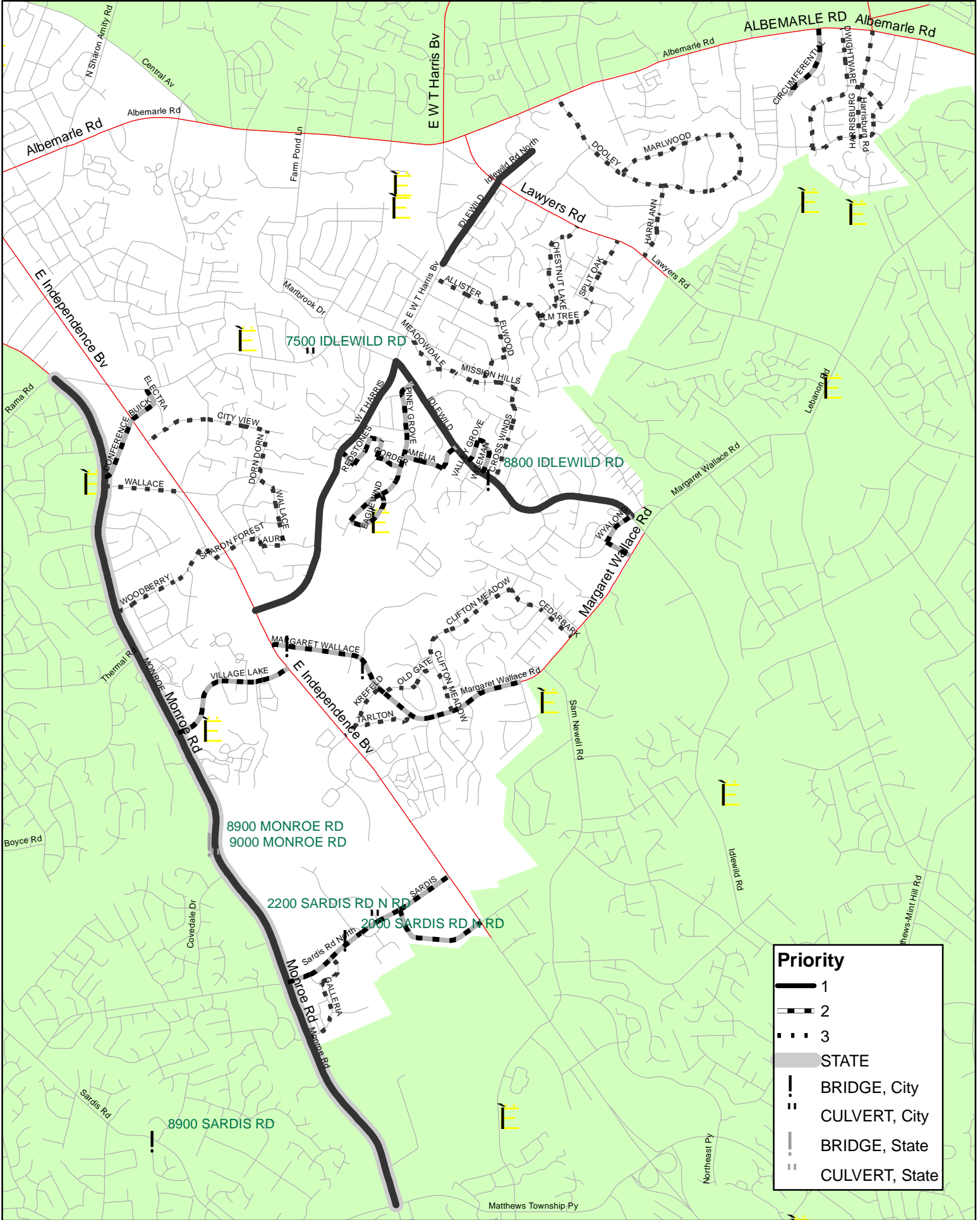
**Priority**

- 1
- 2
- 3
- STATE
- BRIDGE, City
- CULVERT, City
- BRIDGE, State
- CULVERT, State

# Snow Routes - B & C Condition Route 16.2 (16B)

Produced by Street Maintenance Division Planning Section

FY10

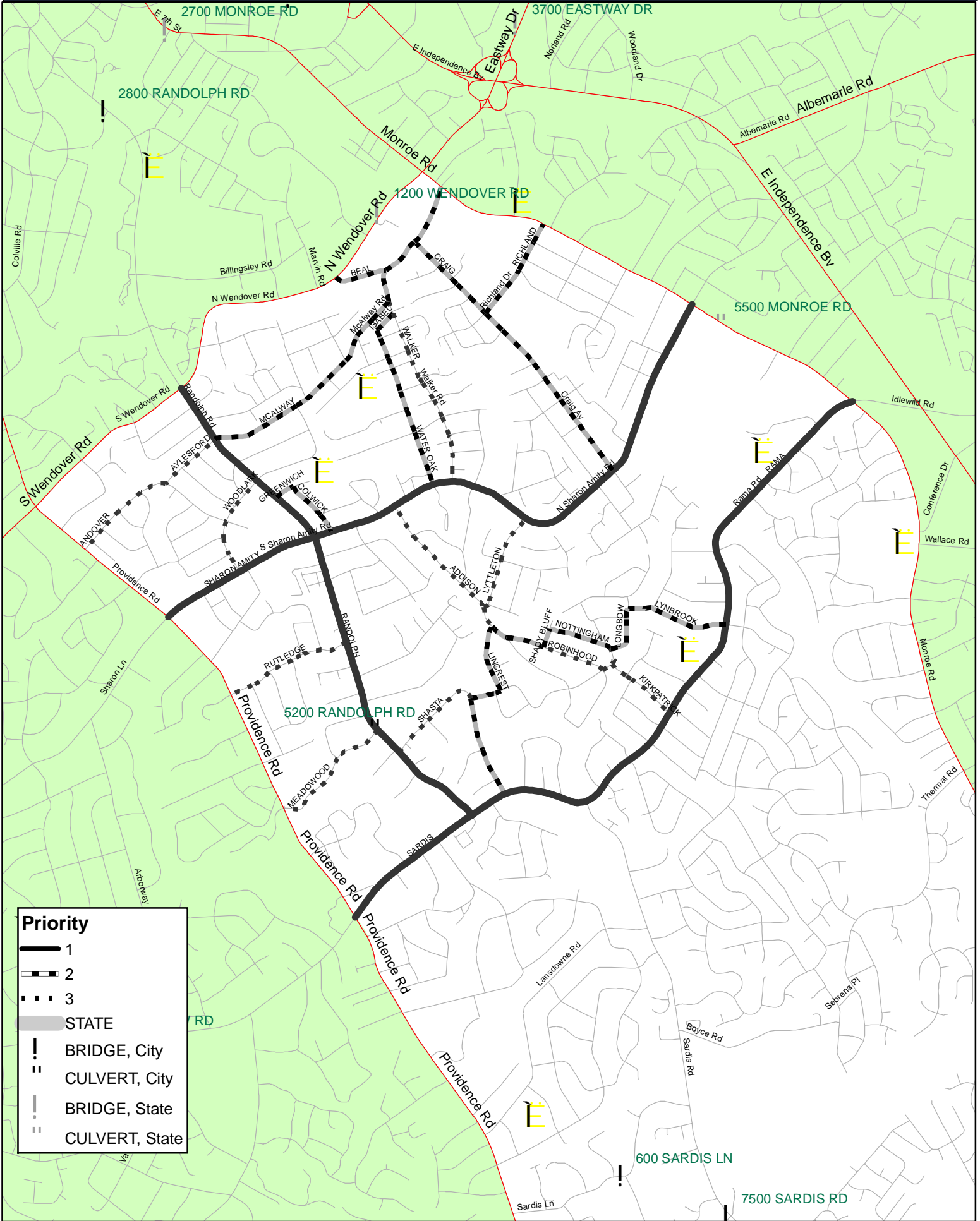




# Snow Routes - B & C Condition Route 17.1 (17A)

FY10

Produced by Street Maintenance Division Planning Section



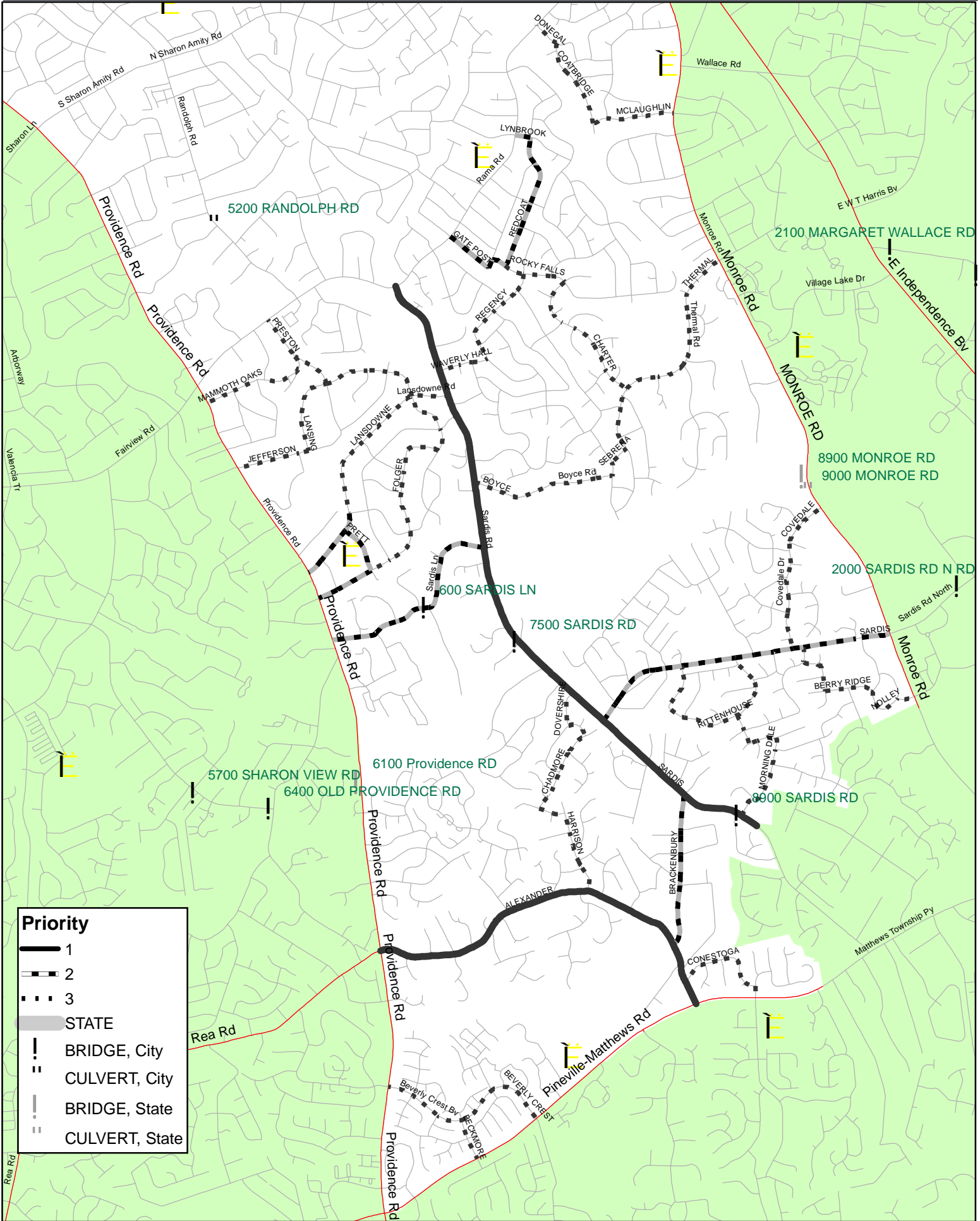
**Priority**

- 1
- 2
- 3
- STATE
- BRIDGE, City
- CULVERT, City
- BRIDGE, State
- CULVERT, State

# Snow Routes - B & C Condition Route 17.2 (17B)

FY10

Produced by Street Maintenance Division Planning Section



**Priority**

- 1 (Solid line)
- 2 (Dashed line)
- 3 (Dotted line)

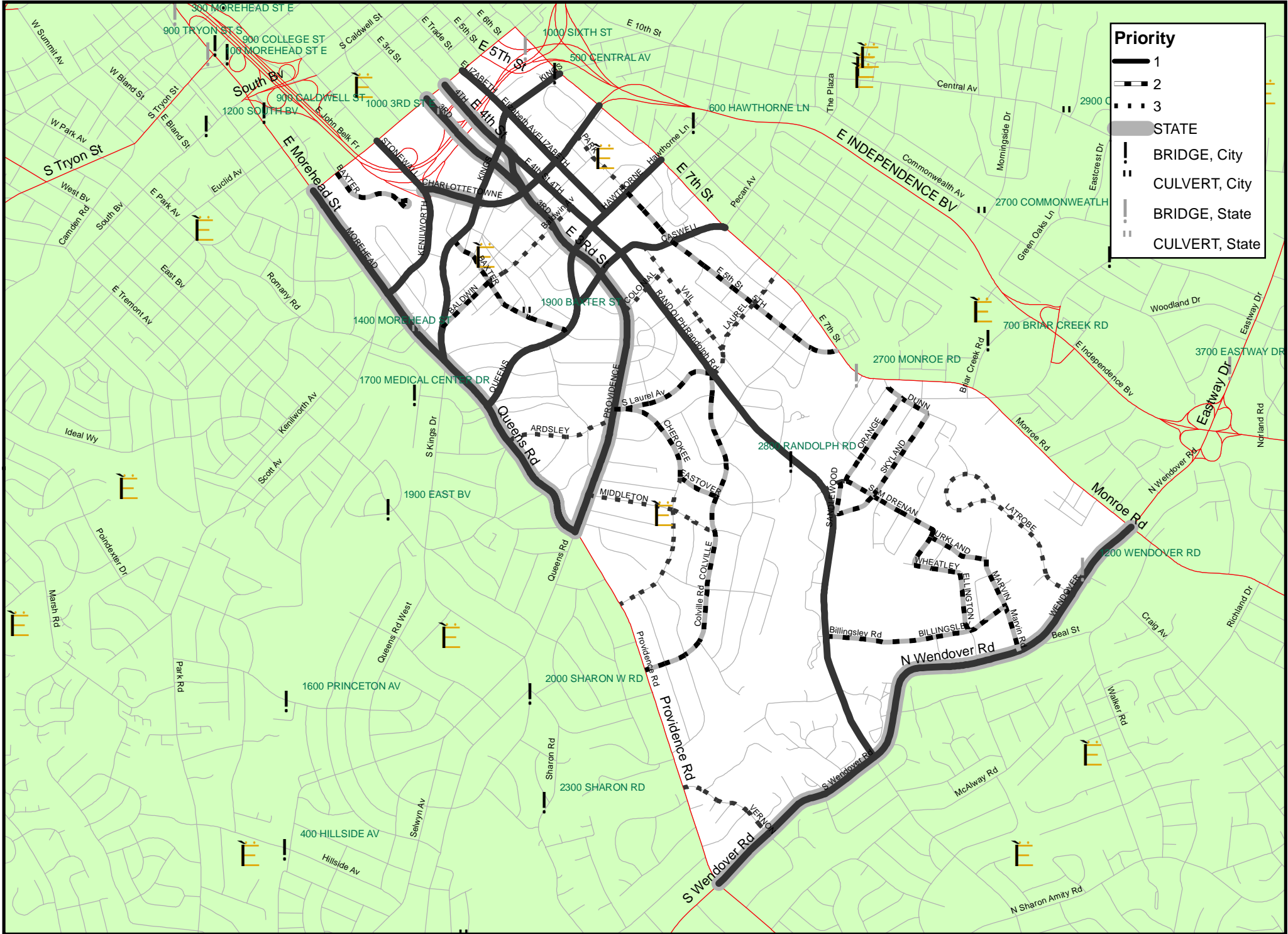
**STATE**

- BRIDGE, City (Dashed line with vertical bars)
- CULVERT, City (Dotted line with vertical bars)
- BRIDGE, State (Dashed line with vertical bars)
- CULVERT, State (Dotted line with vertical bars)

# Snow Routes - B and C Condition Route 18

Produced by Street Maintenance Division Planning Section

FY10

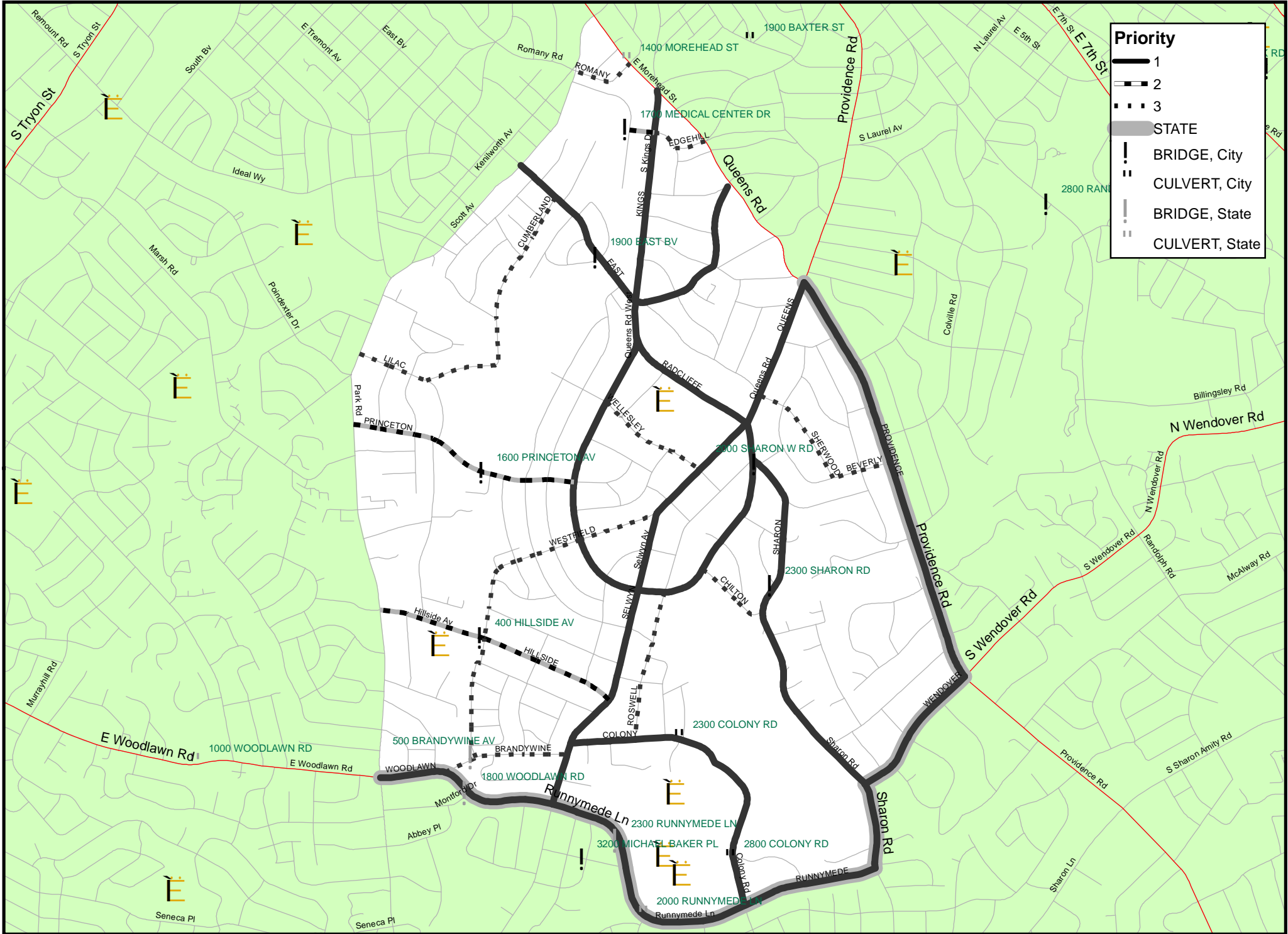




# Snow Routes - B and C Condition Route 19

Produced by Street Maintenance Division Planning Section

FY10



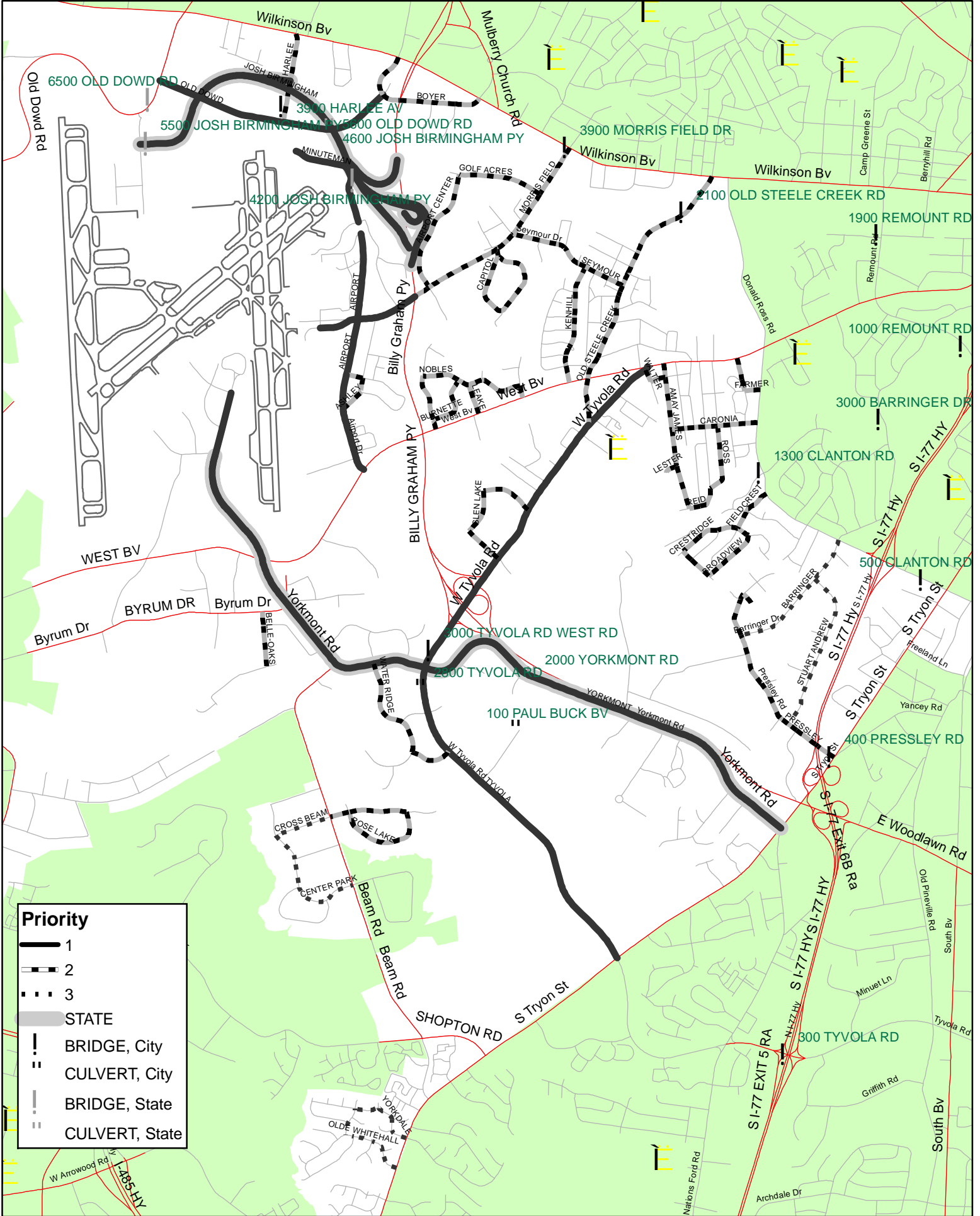
Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

**B&C Route 20 has been combined with B&C Route 14  
See page 42 for combined route**

# Snow Routes - B & C Condition Route 21

Produced by Street Maintenance Division Planning Section

FY10



**Priority**

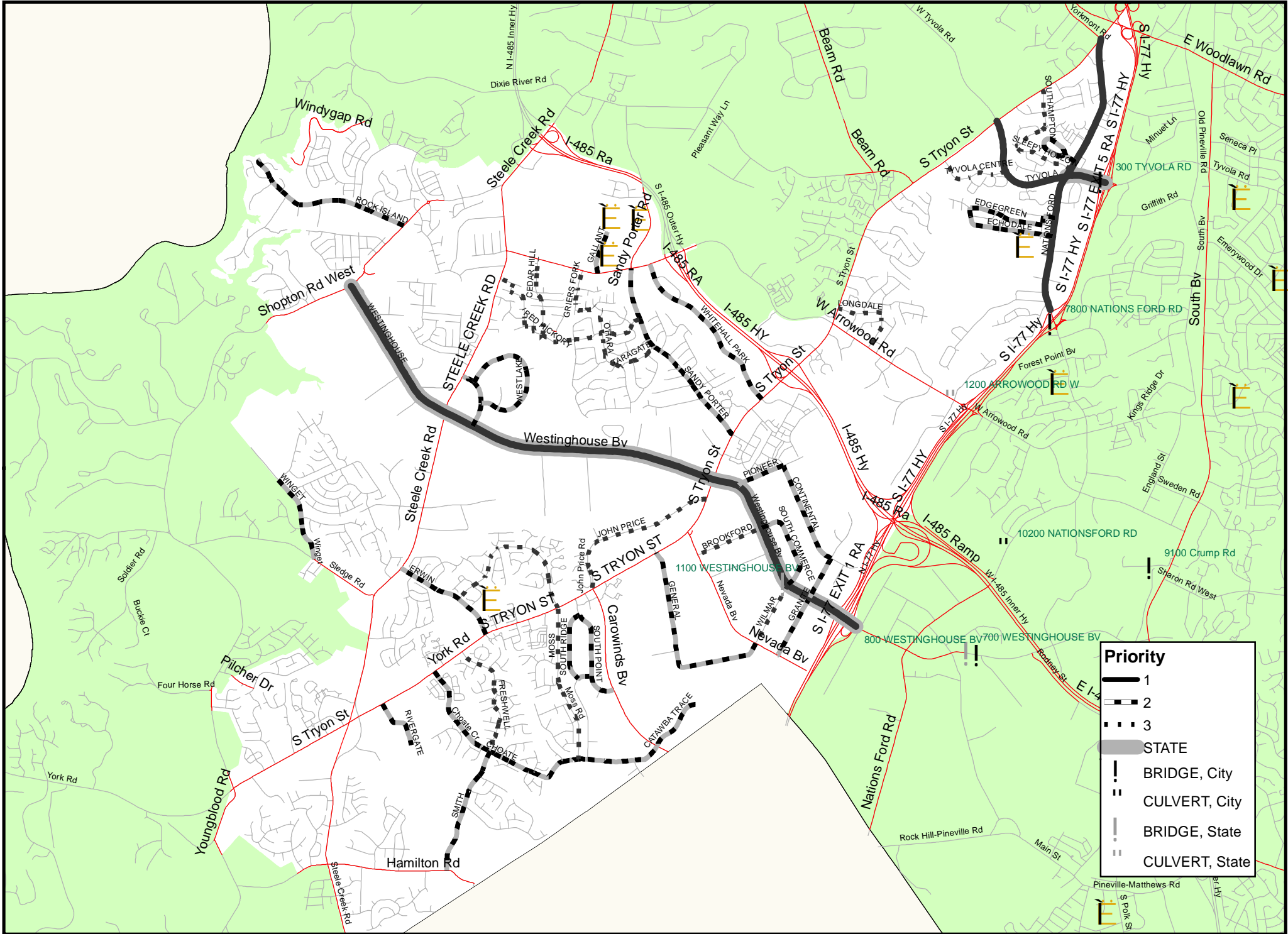
- 1
- 2
- 3
- STATE
- BRIDGE, City
- CULVERT, City
- BRIDGE, State
- CULVERT, State



# Snow Routes - B and C Condition Route 22

Produced by Street Maintenance Division Planning Section

FY10

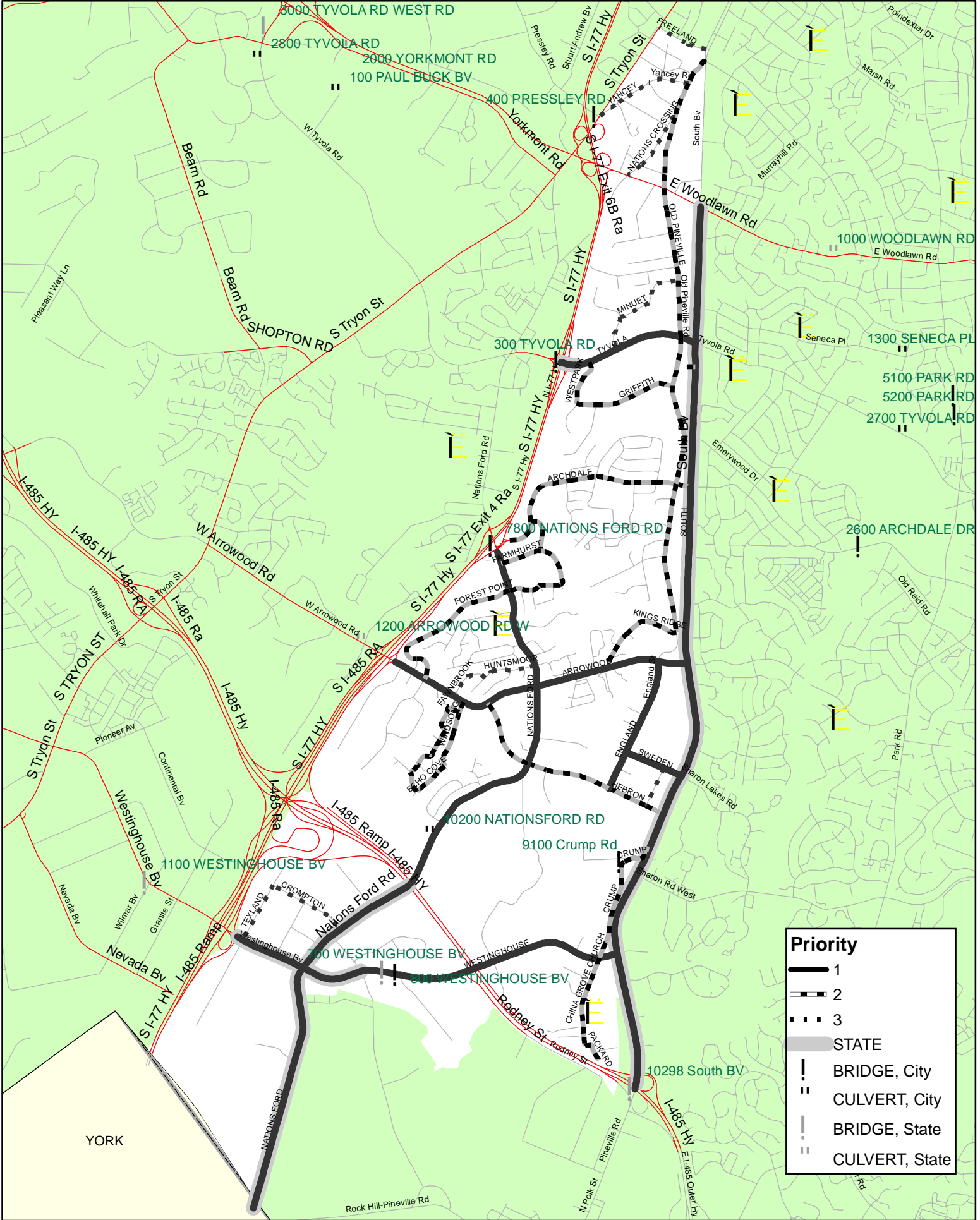


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B & C Condition Route 23

FY10

Produced by Street Maintenance Division Planning Section

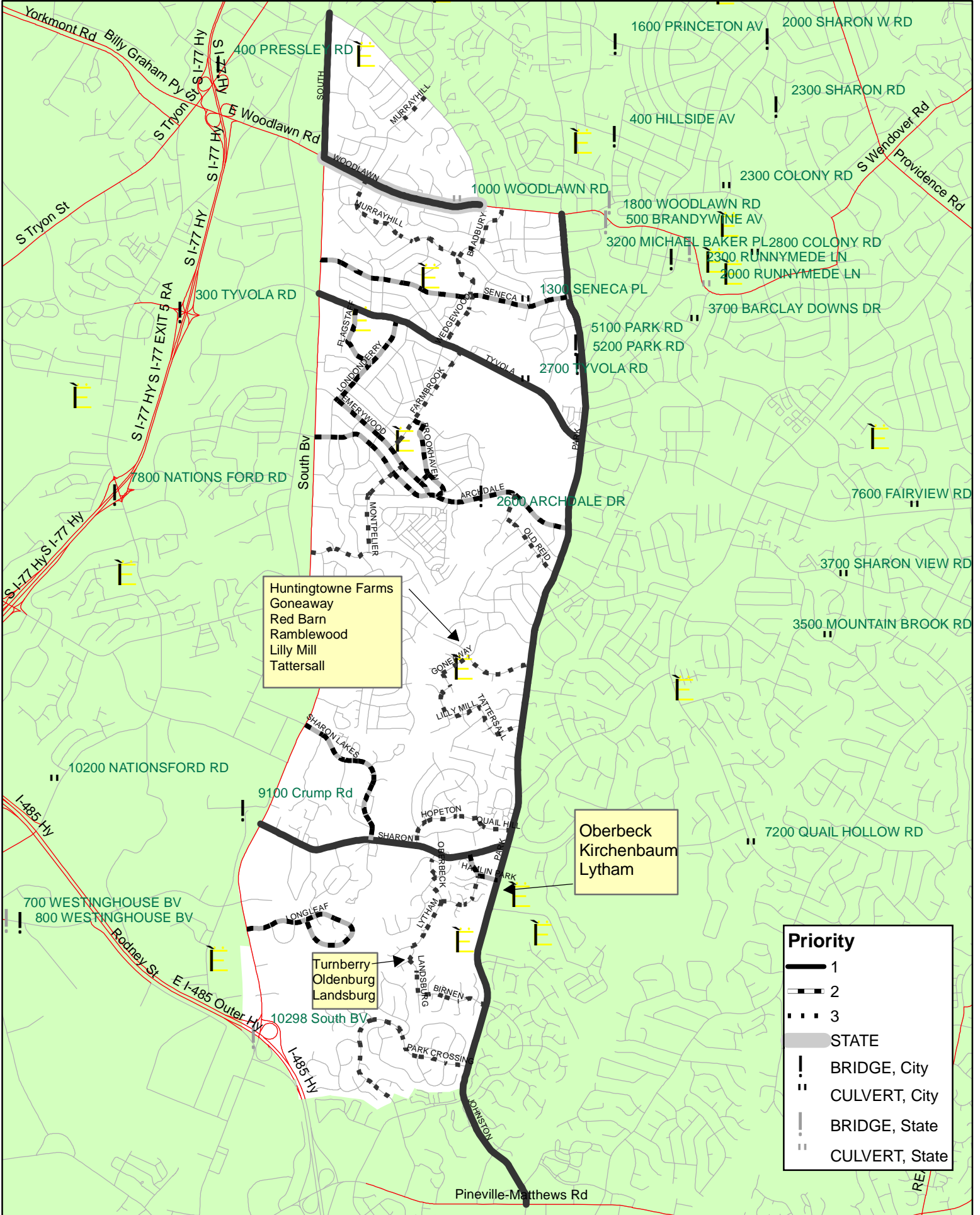


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B & C Condition Route 24

FY10

Produced by Street Maintenance Division Planning Section



Huntingtowne Farms  
Goneaway  
Red Barn  
Ramblewood  
Lilly Mill  
Tattersall

Oberbeck  
Kirchenbaum  
Lytham

Turnberry  
Oldenburg  
Landsburg

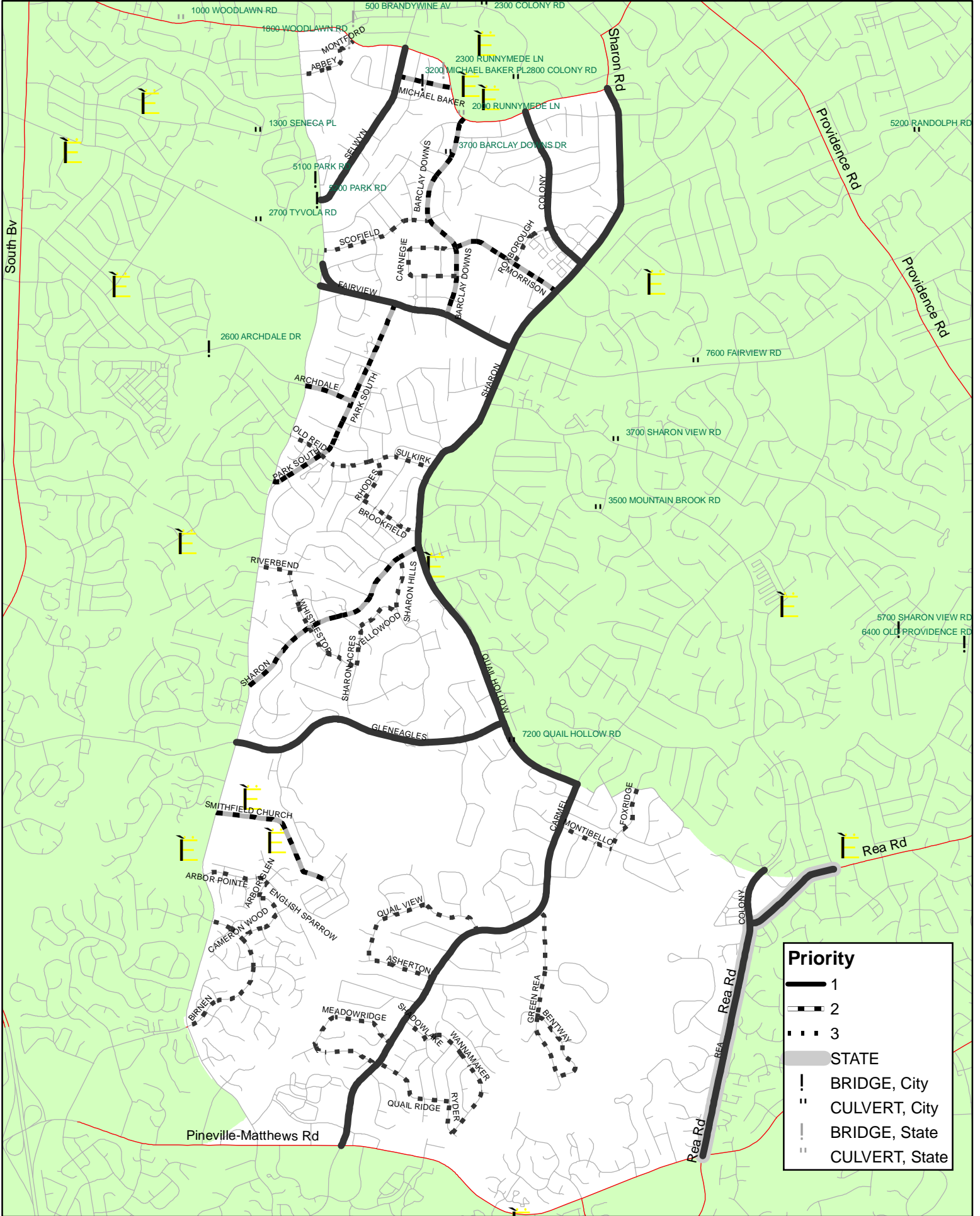
Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State



# Snow Routes - B & C Condition Route 25

FY10

Produced by Street Maintenance Division Planning Section

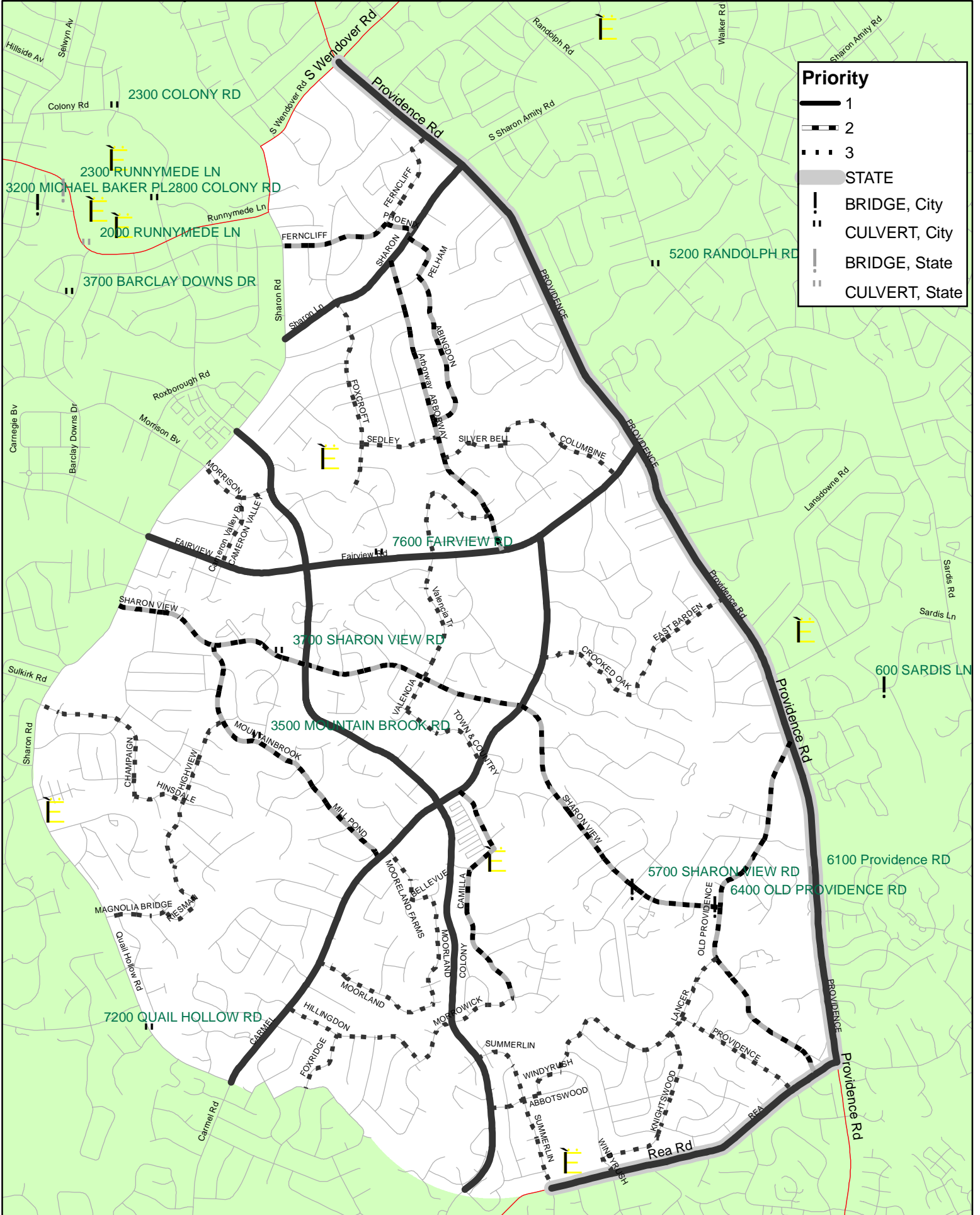


Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

# Snow Routes - B & C Condition Route 26

Produced by Street Maintenance Division Planning Section

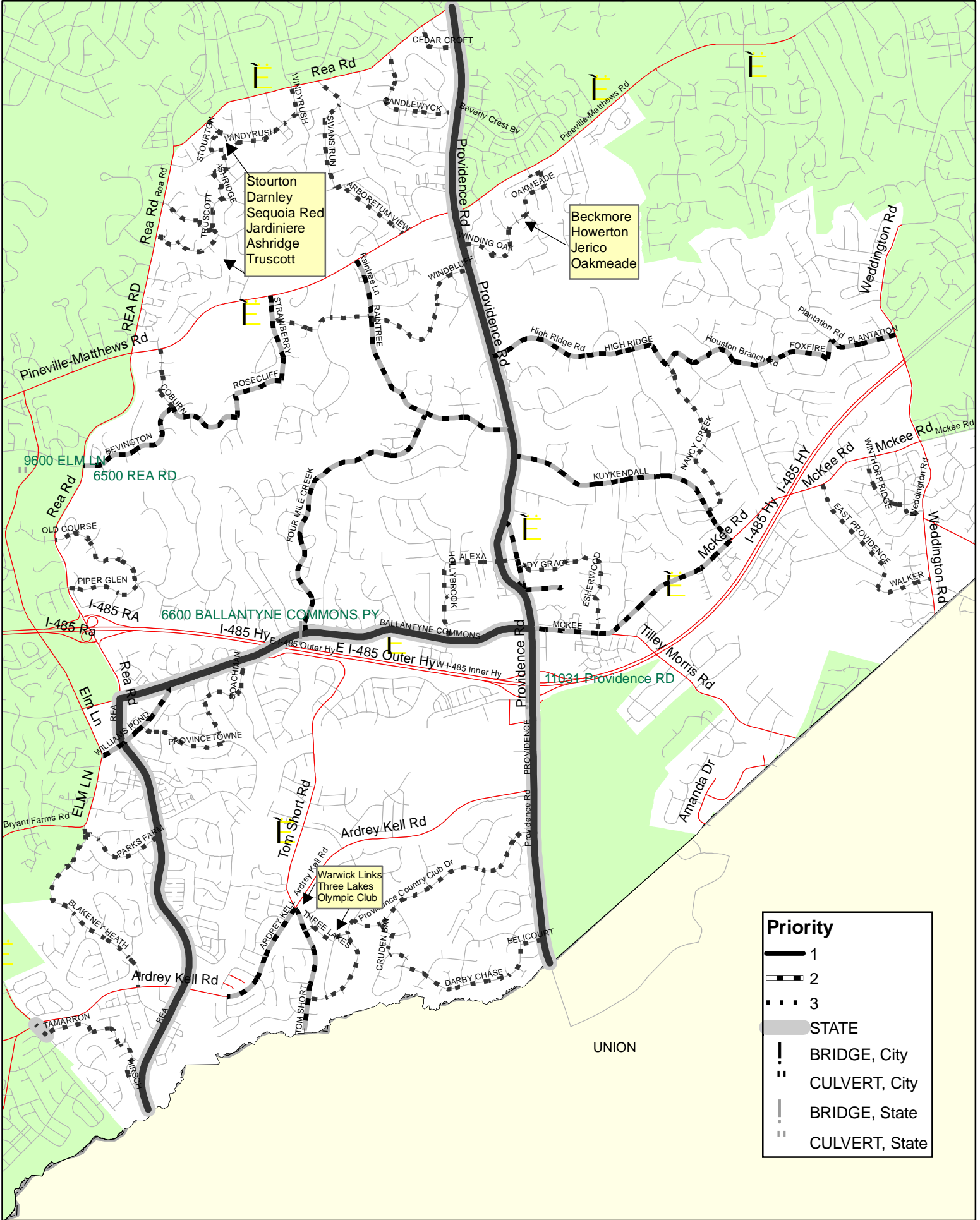
FY10



# Snow Routes - B & C Condition Route 27

Produced by Street Maintenance Division Planning Section

FY10



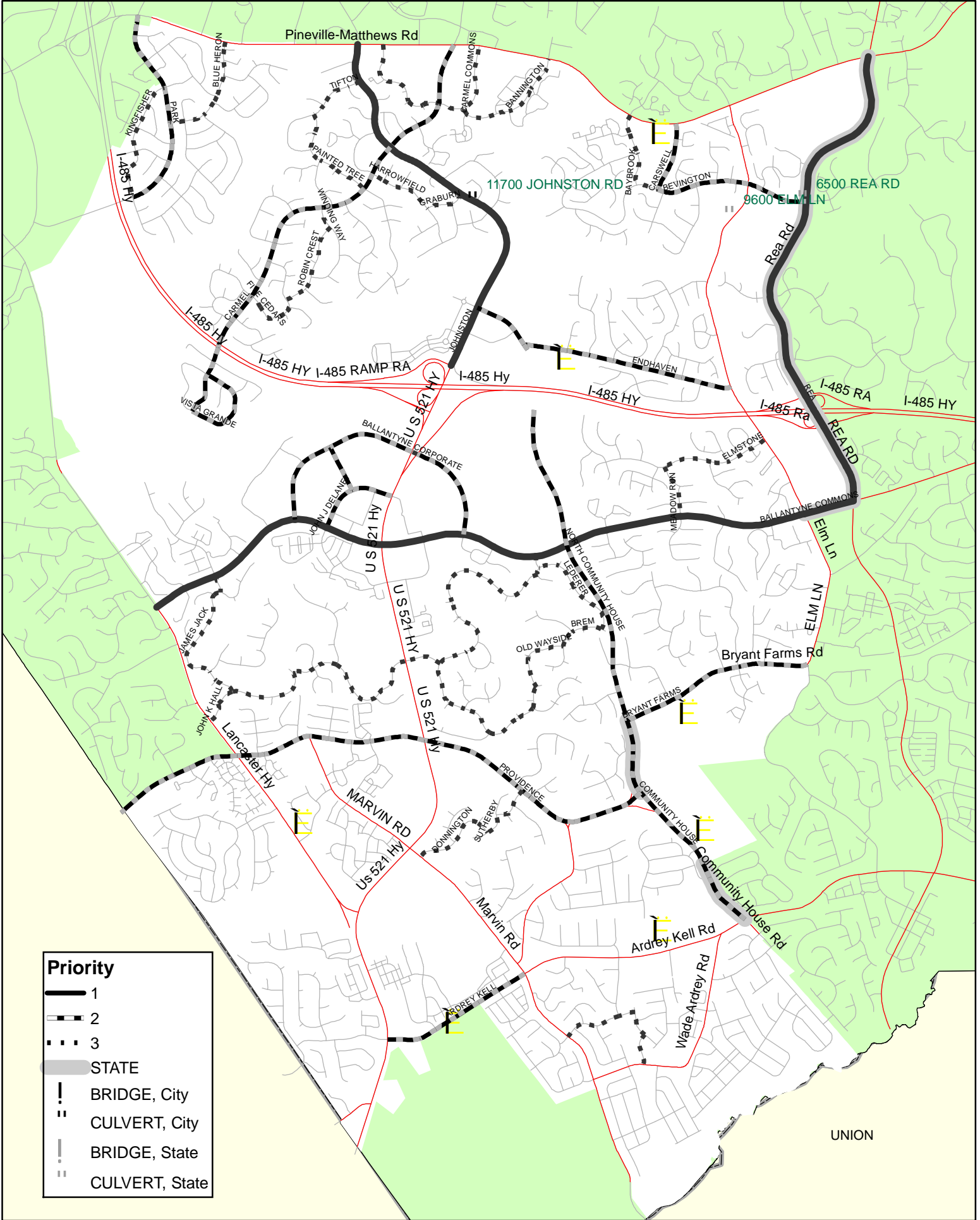
Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State



# Snow Routes - B & C Condition Route 28

Produced by Street Maintenance Division Planning Section

FY10



Priority	
	1
	2
	3
	STATE
	BRIDGE, City
	CULVERT, City
	BRIDGE, State
	CULVERT, State

**Charlotte Department of Transportation  
B & C Condition – Northpointe Emergency Route**

- *Street Maintenance parking lot at 4411 Northpointe Industrial Blvd*
- *Special Transportation parking lots at 500 Spratt Street.*
- *30<sup>th</sup> Street Bridge (Between N. Tryon St. & N. Brevard St)*
- *Bus parking lot at 901 N. Davidson St.*
- *Sanitation parking lots ( 922 Louise Av, 1000 Otts St, 1030 Otts St, 829 Louise Av) \*\* include any and all parking lots, driveways, entrance ways, etc along Otts St, Seigle Ave, Louise Ave. All operations are essential here. Those include Equipment Maintenance, Solid Waste, and Fire.*
- *EMD Entrance at 701 Tuckaseegee Rd.*
- *Streets around the Bank of America Stadium, Time Warner Arena, and Bojangles' Coliseum IF there is an event.*
- *Spirit Square parking lot (345 N. College St) IF the agency advises the division at least 12 hours before the lot must be cleared*
- *Respond as needed to other locations*

## Charlotte Department of Transportation B & C Condition – Orr Rd Emergency Route

- *Street Maintenance parking lot at 6001 General Commerce Drive*
- *IBM Drive*, especially the hill that leads to W.T. Harris Blvd.
- *Emergency entrances to hospitals. They are:*
  - **University Hospital** - 8800 N Tryon St
  - **Presbyterian Hospital** - 200 Hawthorne Ln
  - **Mercy Hospital** - 2001 Vail Ave
  - **Health South Surgery Center** - 2825 Randolph Rd
  - **Carolina's Medical Center Billingsley** - 501 Billingsley Rd
  
- *TOD Entrance located at 3701 Craig Avenue*
- *Bus Lane on E. Independence Blvd (SALT ONLY).*
- *Respond as needed to other locations*



## Charlotte Department of Transportation B & C Condition – Sweden Rd Emergency Route

- ***Street Maintenance & Equipment Maintenance parking lots at 4600 Sweden Rd***
  - ***Airport Bridges ( 4200 Josh Birmingham Pkwy & 5501 Josh Birmingham Pkwy)***
  - ***Emergency entrances to hospitals. They are:***
    - Carolina's Medical Center - Blythe Rd - 1000 Blythe Rd
    - Charlotte Institute of Rehabilitation - 1100 Blythe Rd
  - ***CATA Bus parking lots / entrances located at 3129 S. Tryon St. & 3225 S. Tryon St***
  - ***LYNX Park & Ride entrances to light rail parking decks. They are:***
    - CATS- Scaleybark Station Park & Ride - 3750 South Blvd
    - CATS- Woodlawn Park & Ride - 4756 Old Pineville Rd
    - CATS- Tyvola Park & Ride - 5703 Old Pineville Rd
    - CATS- Archdale Park & Ride Lot - 6230 South Blvd
    - CATS- Arrowood Park & Ride Lot - 7717 England St
    - CATS- Sharon Road West Park & Ride Lot - 8815 Crump Rd
    - CATS- South Blvd Park & Ride Lot - 9510 South Blvd
  - ***Respond as needed to other locations***
-

