

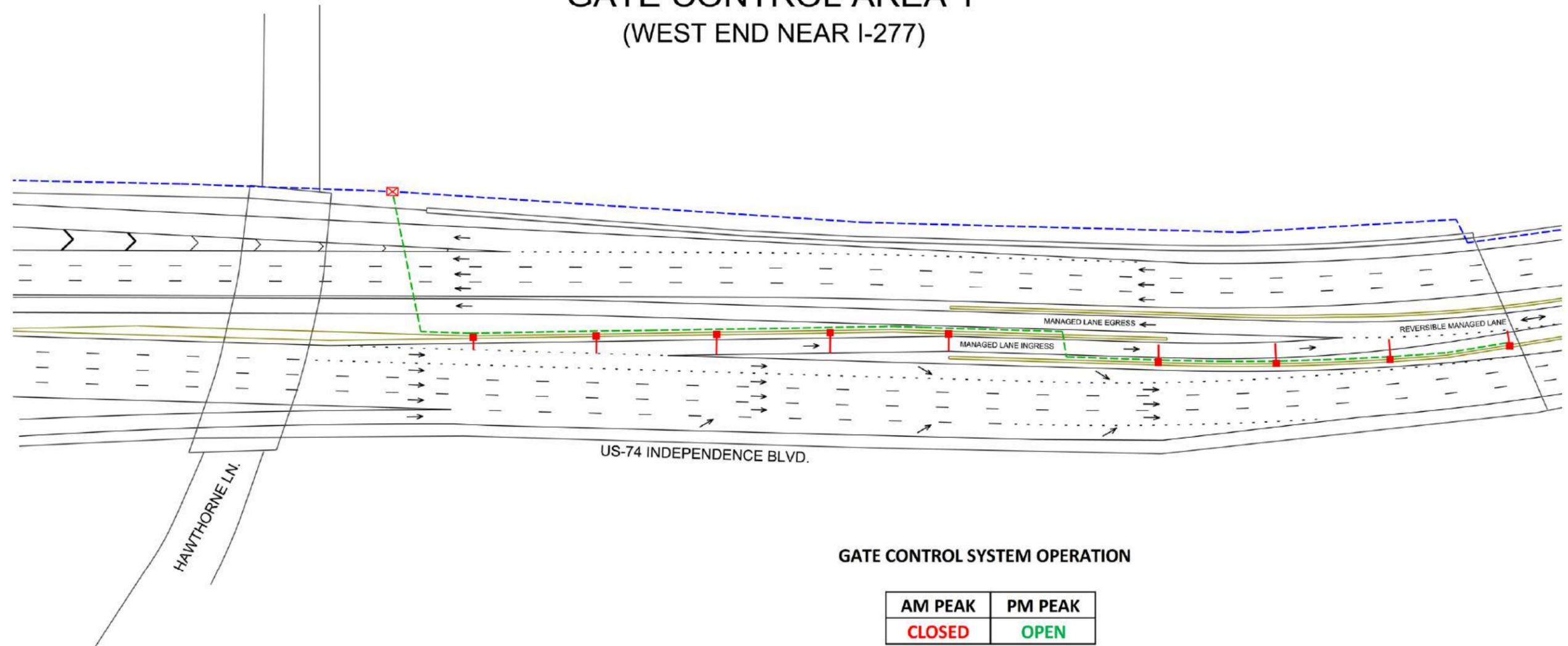
# Attachment 18

## US-74 Conceptual Plans for Gate Control System

# GATE SYSTEM CONCEPT PLAN



## GATE CONTROL AREA 1 (WEST END NEAR I-277)



### GATE CONTROL SYSTEM OPERATION

AM PEAK	PM PEAK
CLOSED	OPEN

### LEGEND

- GATE
- GATE CONTROLLER CABINET
- GATE SYSTEM COMMUNICATION CABLE
- EXISTING COMMUNICATION CABLE AND CONDUIT
- CONCRETE BARRIER

### GRAPHIC SCALE



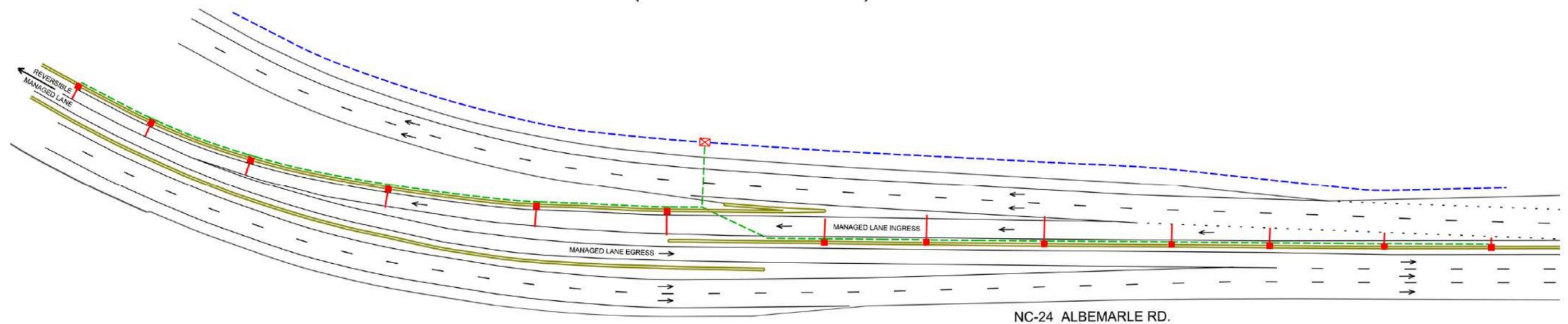
**ATKINS**

<b>US 74 Managed Lanes U-5526 – I-277 to Wallace Lane Signing, ITS and Tolling Conceptual Plans</b>		
NORTH CAROLINA TURNPIKE AUTHORITY	SHEET NO. <b>9</b>	
DATE: 10/27/2014		

# GATE SYSTEM CONCEPT PLAN



## GATE CONTROL AREA 2 (ALBEMARLE ROAD)



### GATE CONTROL SYSTEM OPERATION

AM PEAK	PM PEAK
OPEN	CLOSED

### LEGEND

-  GATE
-  GATE CONTROLLER CABINET
-  GATE SYSTEM COMMUNICATION CABLE
-  EXISTING COMMUNICATION CABLE AND CONDUIT
-  CONCRETE BARRIER

### GRAPHIC SCALE



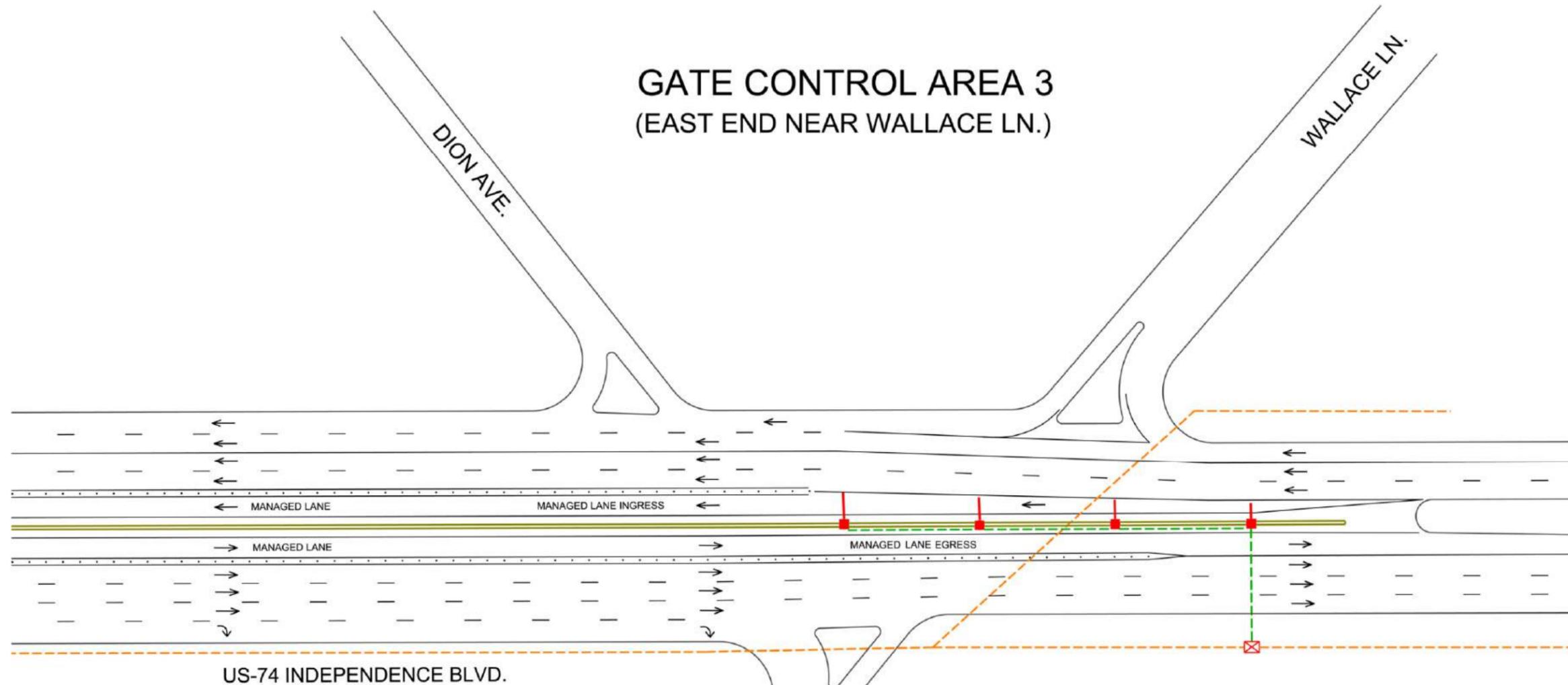
**ATKINS**

<b>US 74 Managed Lanes U-5526 – I-277 to Wallace Lane Signing, ITS and Tolling Conceptual Plans</b>		
NORTH CAROLINA TURNPIKE AUTHORITY	SHEET NO. <b>10</b>	DATE: 10/27/2014

# GATE SYSTEM CONCEPT PLAN



## GATE CONTROL AREA 3 (EAST END NEAR WALLACE LN.)



### GATE CONTROL SYSTEM OPERATION

AM PEAK	PM PEAK
OPEN	CLOSED

### LEGEND

- GATE
- GATE CONTROLLER CABINET
- GATE SYSTEM COMMUNICATION CABLE
- PROPOSED COMMUNICATION CABLE AND CONDUIT
- CONCRETE BARRIER



TYPICAL HIGH-VISIBILITY GATES

### GRAPHIC SCALE



**ATKINS**

<b>US 74 Managed Lanes U-5526 – I-277 to Wallace Lane Signing, ITS and Tolling Conceptual Plans</b>		
NORTH CAROLINA TURNPIKE AUTHORITY	SHEET NO. <b>11</b>	
DATE: 10/27/2014		

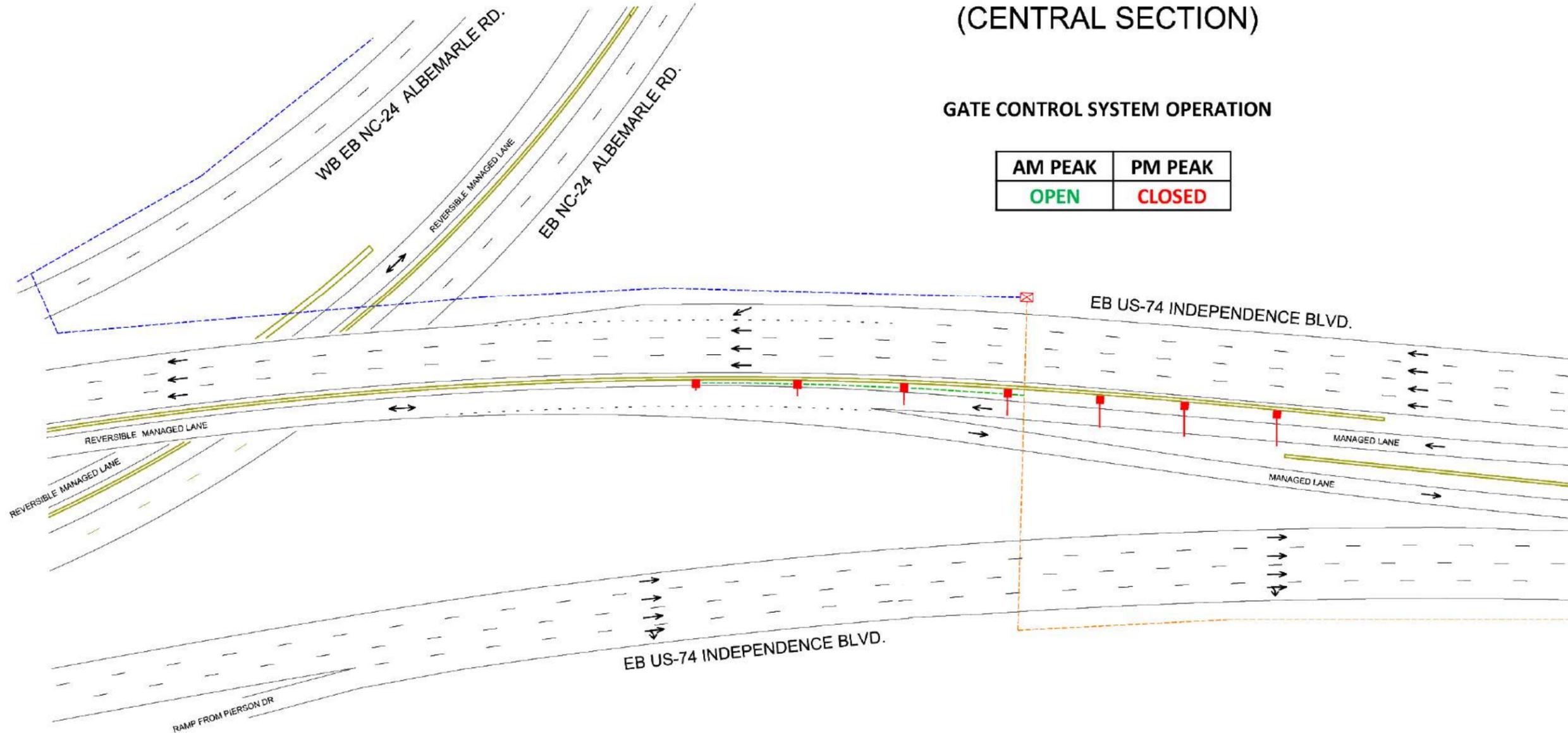
# GATE SYSTEM CONCEPT PLAN



## GATE CONTROL AREA 4 (CENTRAL SECTION)

### GATE CONTROL SYSTEM OPERATION

AM PEAK	PM PEAK
OPEN	CLOSED



### LEGEND

- GATE
- GATE CONTROLLER CABINET
- GATE SYSTEM COMMUNICATION CABLE
- PROPOSED COMMUNICATION CABLE IN EXISTING CONDUIT
- EXISTING COMMUNICATION CABLE AND CONDUIT
- CONCRETE BARRIER

### GRAPHIC SCALE



**ATKINS**

<b>US 74 Managed Lanes U-5526 – I-277 to Wallace Lane Signing, ITS and Tolling Conceptual Plans</b>		
NORTH CAROLINA TURNPIKE AUTHORITY	SHEET NO. <b>12</b>	
DATE: 10/27/2014		