

## **RDU Parking Deck Fact Sheet**

### **Levels: 4 Levels (2-5) Opening April 27, 2000 in the Afternoon**

- Daily spaces: 2,160 (540 each level) Hourly spaces: None
- Total Length: 830'

### **Parking Deck**

- 842,500 square feet
- 34,000 cubic yards of concrete
- 54' x 54' column spacing
- Largest parking deck to use the bonded post tensioning system commonly used on bridges

### **Cover Over Center Atrium**

- Teflon coated fiber-glass fabric
- 20,000 square feet (1/2 acre) of fabric covering the center atrium

### **Safety Features**

- White ceilings
- Increased floor-to-floor height
- Flat floors, not ramps so there is increased visibility
- Elevators are glass on all sides
- Glass-enclosed stairwells
- High intensity lighting

## Facts RDU Parking

### 1999 Parking/Roadway Improvements

- Opened Commercial Curb and two by-pass lanes in front of Terminal A
- 2,000-space gravel lot built across from Park and Ride 4
- Paved Park and Ride 4 (4,500 spaces), added lighting and bus shelters

### 2000 Expansion

- April 26, 2000: Opened 2,160 spaces in new parking deck across from Terminal A
- April 2000: Began expansion of Park & Ride 3  
     Surface parking lot will be expanded from 2,000 to 4,000 spaces
- Summer 2000: Open 540 spaces (270 Daily and 270 Hourly) and pedestrian tunnel from new parking deck to Terminal A

### Future Parking Deck Between Terminals:

- Construction starts early 2001
- Located between new deck and Terminal C
- 5,000 parking spaces
- Seven levels
- Increase toll plaza to 19 bays
- Redesign of roadways to provide new entrances to all terminal area parking

### RDU Parking Facilities

	1988	1990	1994	1995	1996	1997	1998	Nov. 1999	April 27 2000
Daily	967	910	904	904	915	915	836	2,042	4,202
Hourly	2,159	3,125	2,840	3,064	3,064	3,064	1,932	993	993
<b>Total Terminal Parking</b>	<b>3,126</b>	<b>4,035</b>	<b>3,744</b>	<b>3,968</b>	<b>3,979</b>	<b>3,979</b>	<b>2,768</b>	<b>3,035</b>	<b>5,195</b>
Park and Ride 1	0	0	0	1,232	1,232	1,232	1,232	1,232	1,232
Park and Ride 2	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005
Park and Ride 3	0	0	0	0	1,750	1,750	1,750	1,750	1,750
Park and Ride 4	850	850	2,600	2,600	850	4,500	4,500	4,500	4,500
Park and Ride 4 Ext.	0	0	0	0	0	0	0	2,000	2,000
<b>Total Park and Ride</b>	<b>1,855</b>	<b>1,855</b>	<b>3,605</b>	<b>4,837</b>	<b>4,837</b>	<b>8,487</b>	<b>8,487</b>	<b>10,487</b>	<b>10,487</b>
<b>Total RDU Parking</b>	<b>4,981</b>	<b>5,890</b>	<b>3,949</b>	<b>8,805</b>	<b>8,816</b>	<b>12,466</b>	<b>11,255</b>	<b>13,522</b>	<b>15,682</b>

# **Tidbits**

## **RDU Parking Deck**

### **Capacity**

Number of vehicles that could use levels 2-5 of the new parking deck in a year if a 90% capacity is assumed:

<u>Average # of Days Parked</u>	<u># of Vehicles</u>
Two	354,780
Three	236,519
Four	177,390

877,142 vehicles used the RDU daily and Park & Ride lots last year

### **Concrete**

34,000 cubic yards of concrete can build a two-lane road 10 miles long from:

- Raleigh-Durham International Airport to downtown Raleigh or downtown Durham

34,000 cubic yards of concrete can build 104 miles of sidewalk from:

- Raleigh to Winston-Salem or
- Durham to Greenville, NC or
- Raleigh-Durham International Airport to Danville, VA

### **Size**

Deck square footage is equivalent to more than 15 regulation football fields or 66 arena football fields

### **Fabric Over Center Atrium**

2,200 square yards of Teflon coated fiber-glass fabric is enough fabric to make more than 730 pairs of jeans