

# Bridge and Approach Investigation Checklist

Project 17BP.11.R.96  
Description Bridge # 47  
Route SR 1316  
Division Eleven  
County Avery

Existing Speed Limit 55 MPH

Reasonable & Comfortable  
Passenger Car Speed 20 MPH

Speed Data

Ball Bank Speed Study BB 14 degrees at 20mph

Warning Signs at Bridge Bridge End Delineators

Roadside Development 24%

ADT History 2012-170vpd, 2010-250 vpd, 2008-310 vpd, 2006-190vpd

Pedestrian/Bicycle Traffic Unknown

Bridge and Approach  
Digital Photos See Attached

Approach Lane Width 8 FEET

Approach Shoulder Width: 2 to 6 FEET  
Shoulder Type grass

Lane Width (existing bridge) 7 FEET

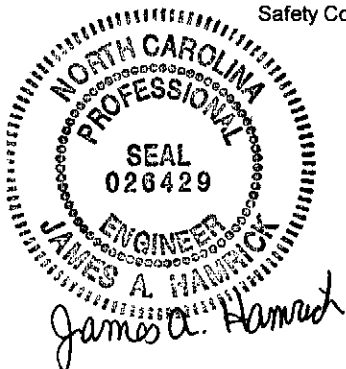
Shoulder width (existing bridge) 2 FEET

Strategic Corridor / Thoroughfare  
Designation and Recommended  
Cross Section

Crash History and  
Safety Considerations None

Comments

Reasonable Bridge Speed 25 MPH



Investigated by: J. A. Hamrick, P. E.  
Date: 8/4/2014

Reviewed by: \_\_\_\_\_

**North Carolina Department of Transportation  
Traffic Engineering Accident Analysis System  
Strip Analysis Report**

**Study Criteria Summary**

**County:** AVERY      **City:** All and Rural  
**Date:** 5/1/2004      **to** 04/30/2014      **Study:** MW41000029641  
**Location:** Bridge # 47 over Flat Springs Branch Creek on SR 1306 (Flat Springs Road), 500 feet on each side.

**Report Details**

**Study Criteria**

| Study Name    | Log No.     | PH No. | TIP No. | K/A Cf. | B/C Cf. | ADT | ADT Route |
|---------------|-------------|--------|---------|---------|---------|-----|-----------|
| MW41000029641 | 41000029641 |        |         | 76.8    | 8.4     | 300 | 40001316  |

| Request Date | Courier Service | Phone No.    | Ext. | Fax No.      |
|--------------|-----------------|--------------|------|--------------|
| 06/17/2014   |                 | 919 707 6620 |      | 919 212 5711 |

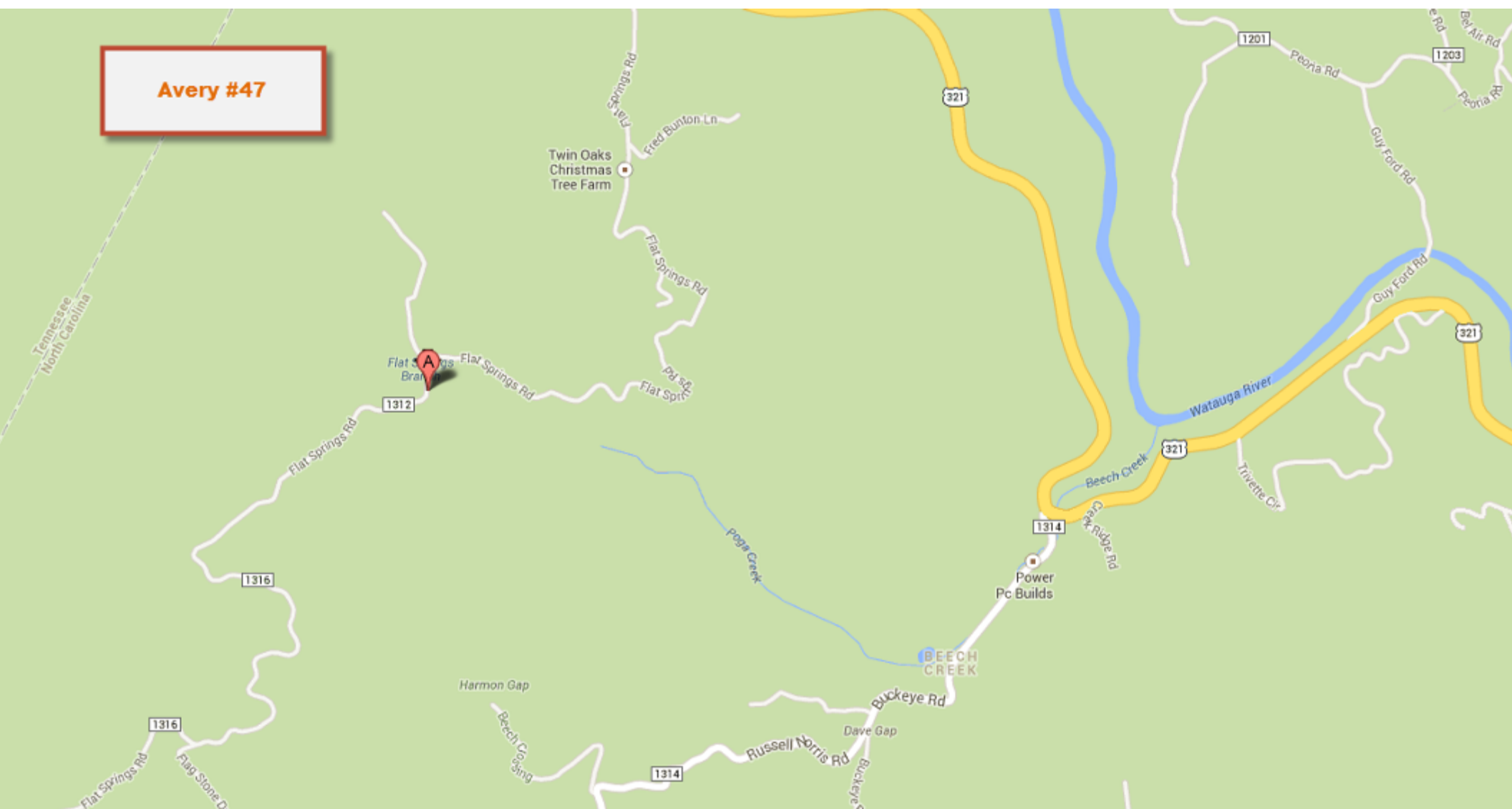
| County |      |      | Municipality  |      | Y-Line Ft. | Begin Date | End Date   | Years |
|--------|------|------|---------------|------|------------|------------|------------|-------|
| Name   | Code | Div. | Name          | Code |            |            |            |       |
| AVERY  | 5    | 11   | All and Rural |      | 0          | 5/1/2004   | 04/30/2014 | 10.00 |

| Location Text                                                                                     | Requestor                                                        |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Bridge # 47 over Flat Springs Branch Creek on SR 1306 (Flat Springs Road), 500 feet on each side. | Jamie J. Lancaster<br>NCDOT<br>Transportation Program Management |

| Fiche Roads  |          |
|--------------|----------|
| Name         | Code     |
| SR 1316      | 40001316 |
| FLAT SPRINGS | 50010644 |

| Strip Road |          |          |        |       |            |
|------------|----------|----------|--------|-------|------------|
| Name       | Code     | Begin MP | End MP | Miles | Kilometers |
| SR 1316    | 40001316 | 6.634    | 6.826  | 0.192 | 0.309      |

**Avery #47**



Bridge # 47  
Avery Co.

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**SB SR 1316**



**SB SR 1316**



**SB SR 1316**



**NB SR 1316**

45



NB SR 1316



**NB SR 1316**