

**This electronic collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document –**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5889A	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
46409.1.2	NHPIM-0040(069)	P.E.	
46409.3.2	NHPIM-0040(069)	CONST.	

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

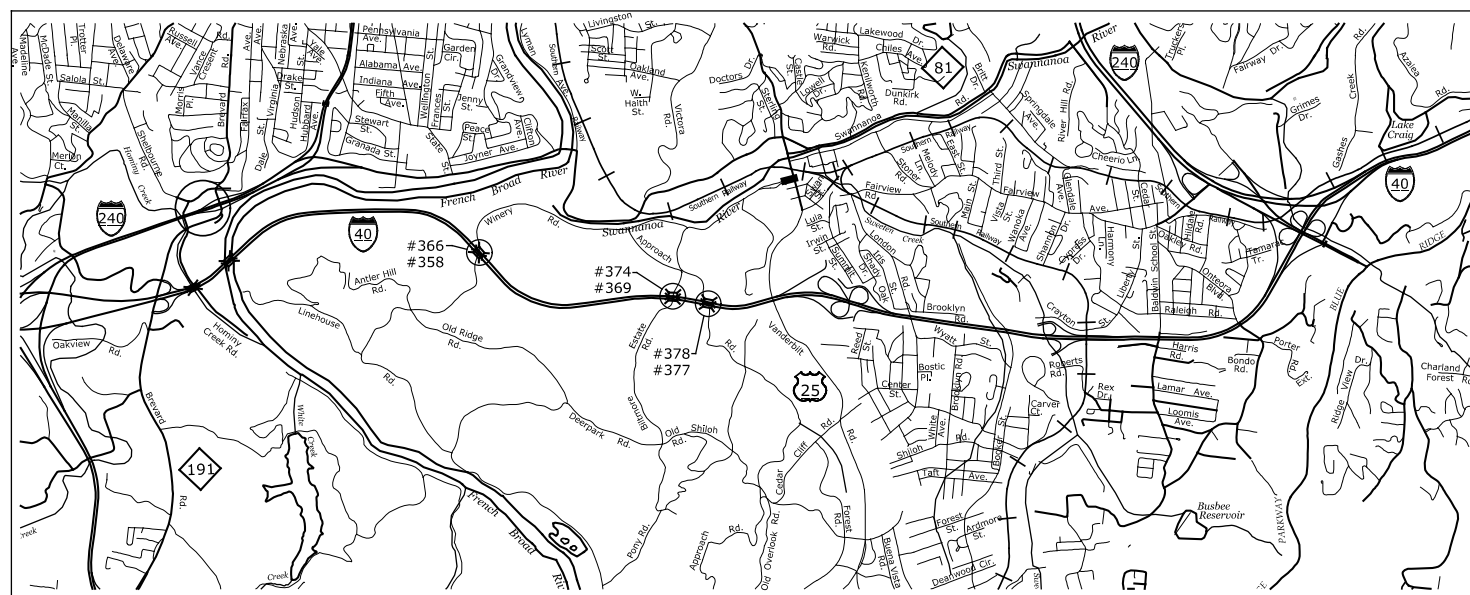
**BUNCOMBE COUNTY**



LOCATION: BUNCOMBE COUNTY:

- BRIDGE #358 ON INTERSTATE 40 EAST BOUND OVER WINERY ROAD
- BRIDGE #366 ON INTERSTATE 40 WEST BOUND OVER WINERY ROAD
- BRIDGE #369 ON INTERSTATE 40 EAST BOUND OVER BILTMORE ESTATE ROAD
- BRIDGE #374 ON INTERSTATE 40 WEST BOUND OVER BILTMORE ESTATE ROAD
- BRIDGE #377 ON INTERSTATE 40 EAST BOUND OVER APPROACH ROAD
- BRIDGE #378 ON INTERSTATE 40 WEST BOUND OVER APPROACH ROAD

TYPE OF WORK: BRIDGE REHABILITATION - DECK OVERLAY WITH LMC-VES, SUBSTRUCTURE REPAIR, STEEL BEAM REPLACEMENT STRUCTURAL STEEL REPAIR, PAINTING OF EXISTING BRIDGE STRUCTURES, AND GRANITE STONE VENEER

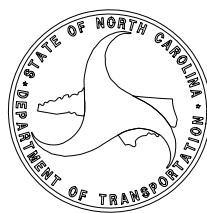


VICINITY MAP - BUNCOMBE COUNTY

TIP PROJECT: I-5889A

CONTRACT: 204055

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DCN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$



**DESIGN DATA**  
BUNCOMBE COUNTY

- #358 ADT 2013 = 24,000
- #366 ADT 2013 = 24,000
- #369 ADT 2013 = 24,000
- #374 ADT 2013 = 24,000
- #377 ADT 2013 = 23,250
- #378 ADT 2013 = 23,250

**PROJECT LENGTH**  
BUNCOMBE COUNTY

- #358 = 0.023 MILE
- #366 = 0.023 MILE
- #369 = 0.026 MILE
- #374 = 0.026 MILE
- #377 = 0.048 MILE
- #378 = 0.048 MILE

PLANS PREPARED BY:  
**Gannett Fleming**  
2610 Wycliff Road  
Suite 102  
Raleigh, NC 27607-3073  
(919) 420-7660  
NC Lic. No. F-0270  
Excellence Delivered As Promised

THOMAS K. GOODWIN, P.E.  
PROJECT ENGINEER  
ANGELA B. PRIDGEN, P.E.  
PROJECT DESIGN ENGINEER

2018 STANDARD SPECIFICATIONS

LETTING DATE:  
JANUARY 16, 2018

DocuSigned by:

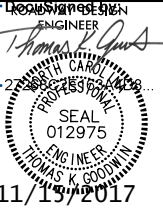
*Thomas K. Goodwin*

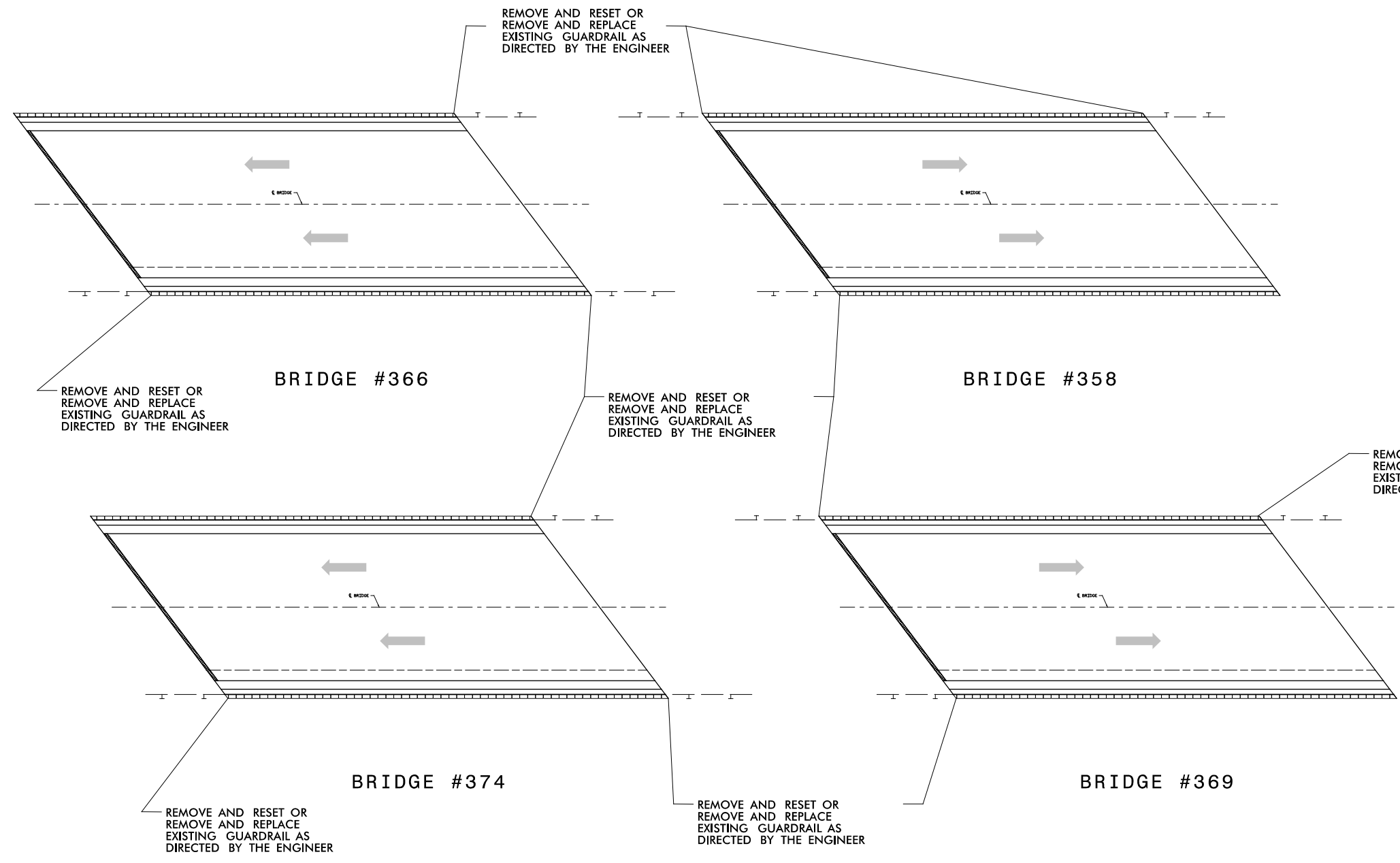


11/15/2017

THOMAS K. GOODWIN, P.E.  
PROJECT ENGINEER



PROJECT REFERENCE NO. 1-5889A	SHEET NO. 3
R/W SHEET NO.	
 THOMAS K. GOODWIN ENGINEER 11/19/2017	HYDRAULICS ENGINEER
<b>DOCUMENT NOT CONSIDERED FINAL          UNLESS ALL SIGNATURES COMPLETED</b>	

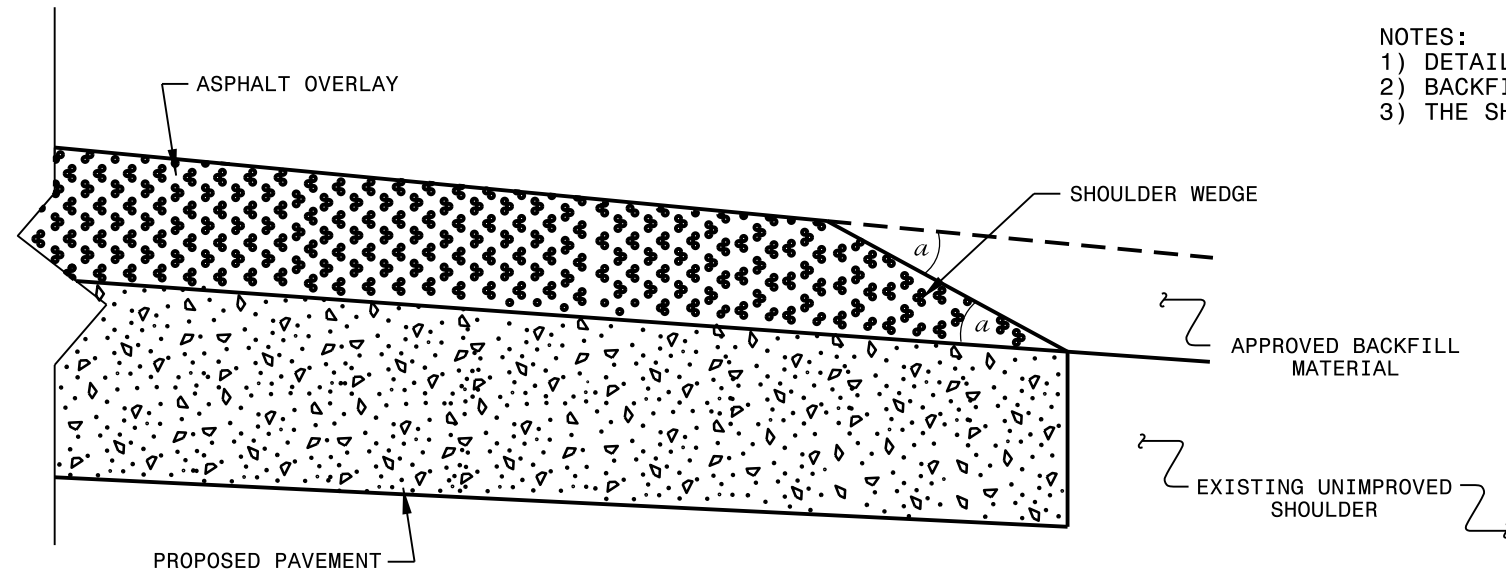


REVISIONS

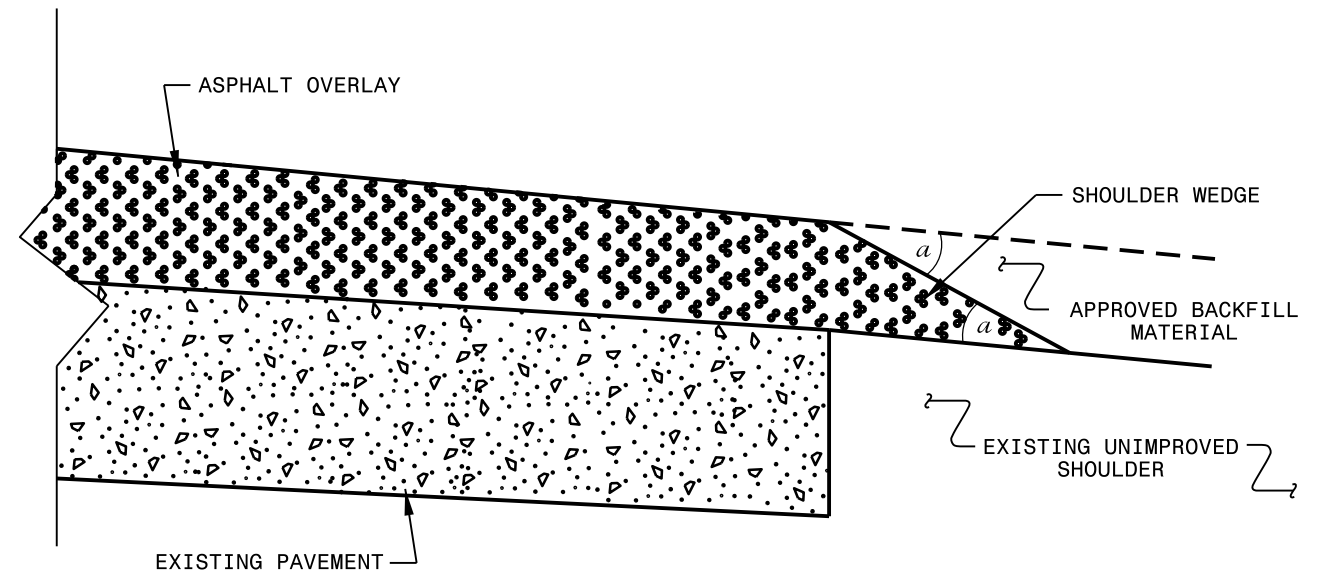
8/17/99

CONSTRUCTION

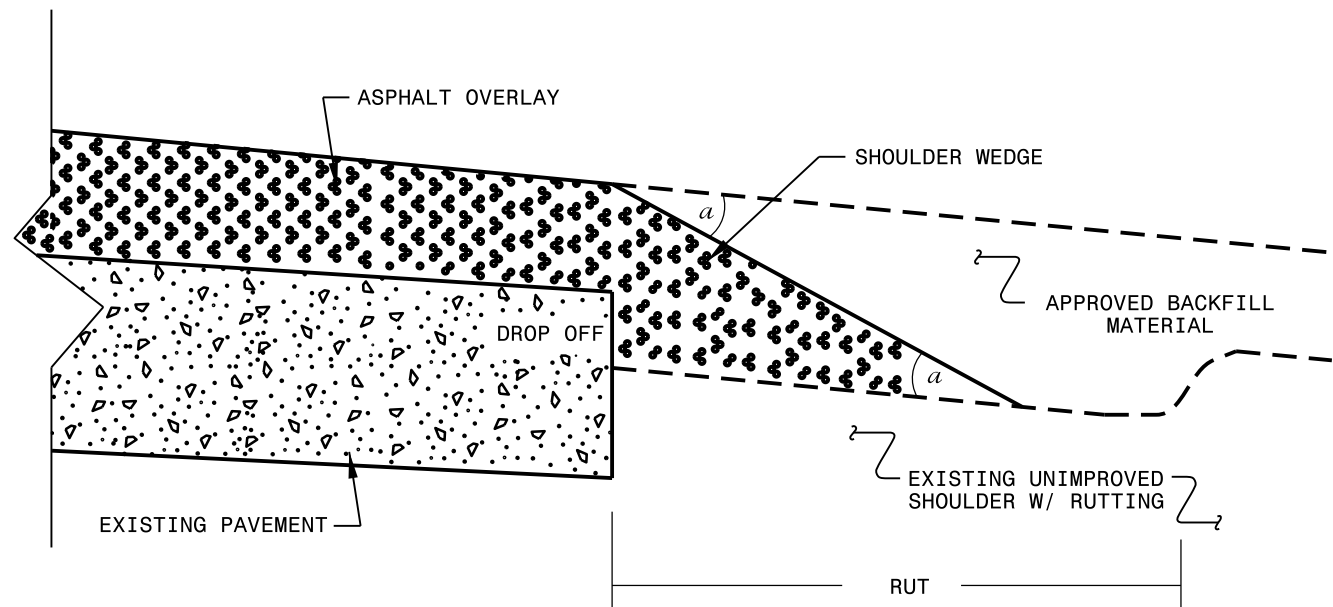
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ Widening or  
 with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-6950	FAX 919-250-4119
<b>SHOULDER WEDGE DETAILS</b>	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/16/12
CHECKED BY:	DATE:
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn	

SYSTEMS DESIGN  
 USER NAME





