

**TIP PROJECT: B-5721**

**CONTRACT: C204763**

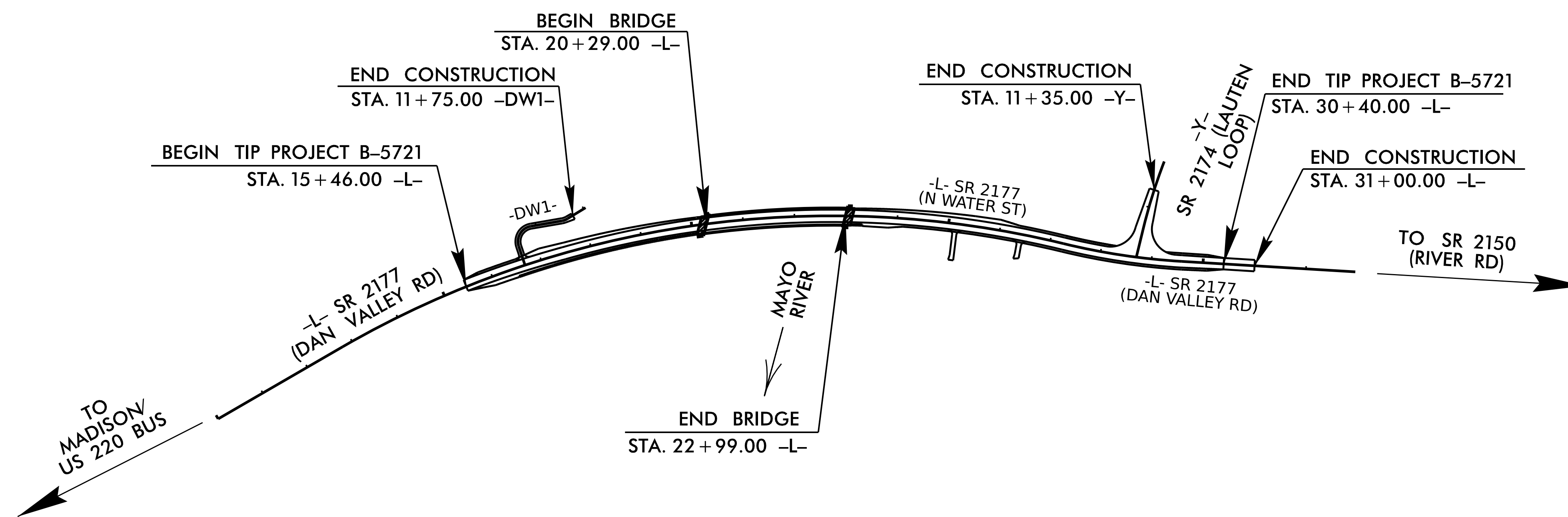
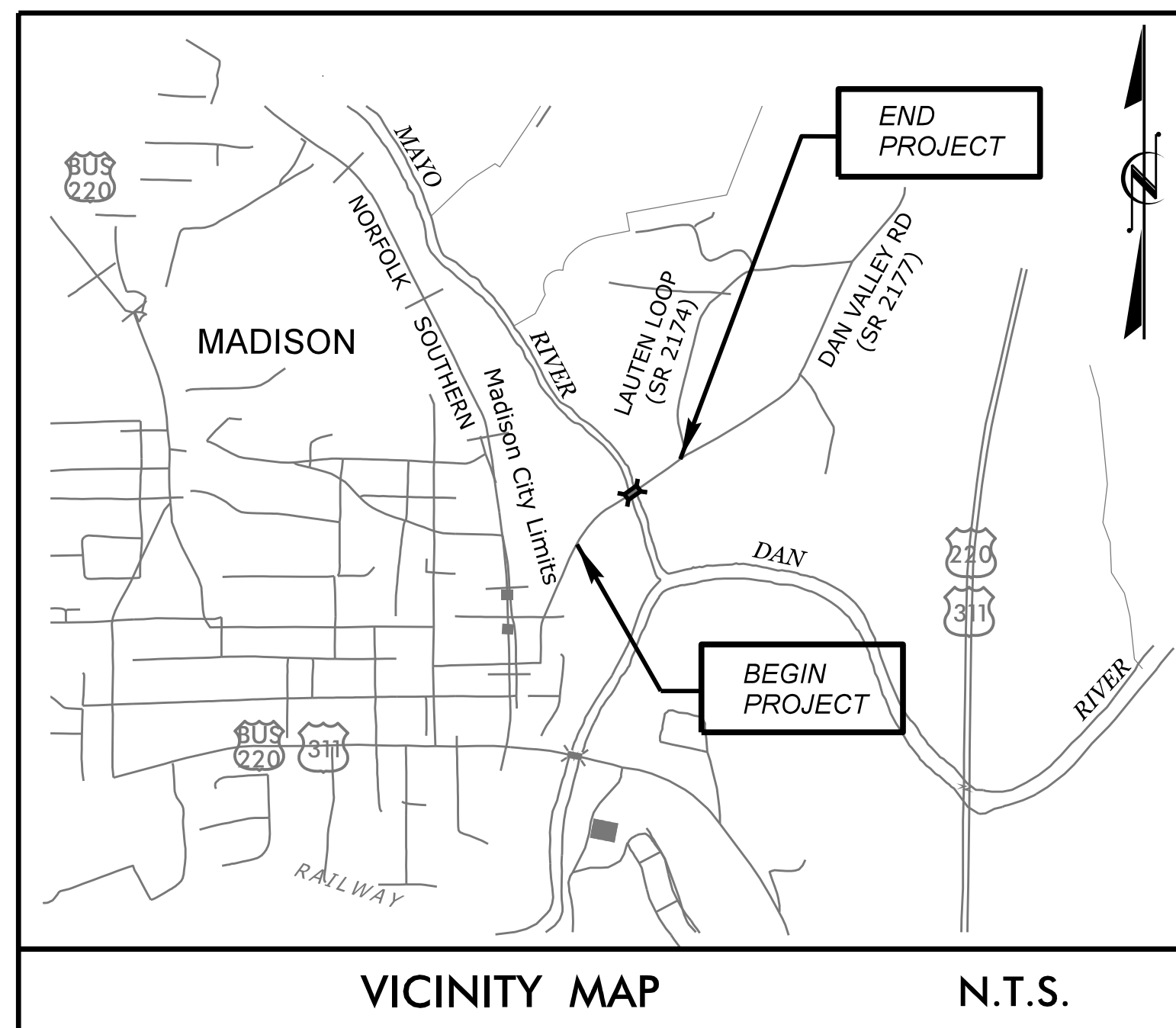
STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

**ROCKINGHAM COUNTY**

**LOCATION: BRIDGE 780124 ON SR 2177 (DAN VALLEY RD) OVER THE MAYO RIVER**  
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5721		
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
45677.1.1	BRZ-2177 (001)	P.E.	
45677.2.1	BRZ-2177 (001)	RW & UTILITIES	
45677.3.1	BRZ-2177 (001)	CONST.	



**STRUCTURES**



**DESIGN DATA**

ADT (2022) = 4,277  
 ADT (2041) = 6,096  
 K = 10 %  
 D = 55 %  
 T = 8 % \*  
 V = 50 MPH  
 \* (TTST 1 %, DUAL 7 %)  
 FUNC CLASS = LOCAL  
 SUB-REGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT B-5721 = 0.232 MILES  
 LENGTH STRUCTURE TIP PROJECT B-5721 = 0.051 MILES  


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 TOTAL LENGTH TIP PROJECT B-5721 = 0.283 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
 STRUCTURES MANAGEMENT UNIT  
 1000 BIRCH RIDGE DR.  
 RALEIGH, N.C. 27610

2018 STANDARD SPECIFICATIONS

LETTING DATE :

MAY 16, 2023

**KRISTY W. ALFORD, PE**  
 PROJECT ENGINEER

**FRANCESCA LEA, PE**  
 PROJECT DESIGN ENGINEER