

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 4/26/2018

County 38 ORANGEBURG

Emergency Bridge Replacement

Route S- 50 Route Name: 4 Holes Rd. P037465

Beginning termini At MP 4.45

Ending termini:

Beginning mile post: 0.00

1-way 2-way

Number of lanes: 2

Percent Trucks.: 10

Critical Lane: 100

Type of pavement
 Flexible Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2018

Base year ADT: 600

Future year 2028

Projected ADT: 900

Future year 2038

Projected ADT: 1200

900

ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. =	4.13
10 YR. DES. =	8.85
15 YR. DES. =	13.99
20 YR. DES. =	19.69

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TRUCKS	TOTAL
2018	600					
2023	800	350	35	9	4.13	4.13
2028	900	375	38	19	8.85	8.85
2033	1,000	395	40	30	13.99	13.99
2038	1,200	417	42	42	19.69	19.69

REQUEST FOR TRAFFIC DATA

Route to Road Data Services Engineer

1 DATA REQUESTED *

- Traffic Loading for Pavement Design
- Classification Count for Pavement Design
- Design Data
- Intersection Two-Way Traffic Flow (ADT)
- Intersection Turning Movement Counts
- Other (Explain)

* Requestor should complete sections 1, 2, and 4 as well as Base Year and Number of Lanes.

Emergency Bridge Replacement

2 LOCATION *

COUNTY Orangeburg ROUTE/ROAD S-50 (4 Holes Road) - P037465
 From MP 4.45 To MP 4.45
 (ATTACH MAP)

3 CONTROLS

For Pavement Loading

	<u>Year</u>	<u>ADT</u>		<u>Year</u>	<u>ADT</u>
Base Year	<u>2018</u> *	<u>600</u>	Present ADT	<u>()</u>	<u> </u>
Middle Year	<u>2028</u>	<u>900</u>	Future ADT	<u>()</u>	<u> </u>
End Year	<u>2038</u>	<u>1200</u>	Design Speed (V)	<u> </u>	<u> </u>
No. of Lanes	<u>2</u> *	<u> </u>	K% <u> </u> D% <u> </u>		

Provide ESALs for Flexible and Rigid Pavement Types

Trucks:
 % ADT
 % DHV
 Other

Road Group H
 Lane Distribution 100
 Trucks (% ADT) 10%

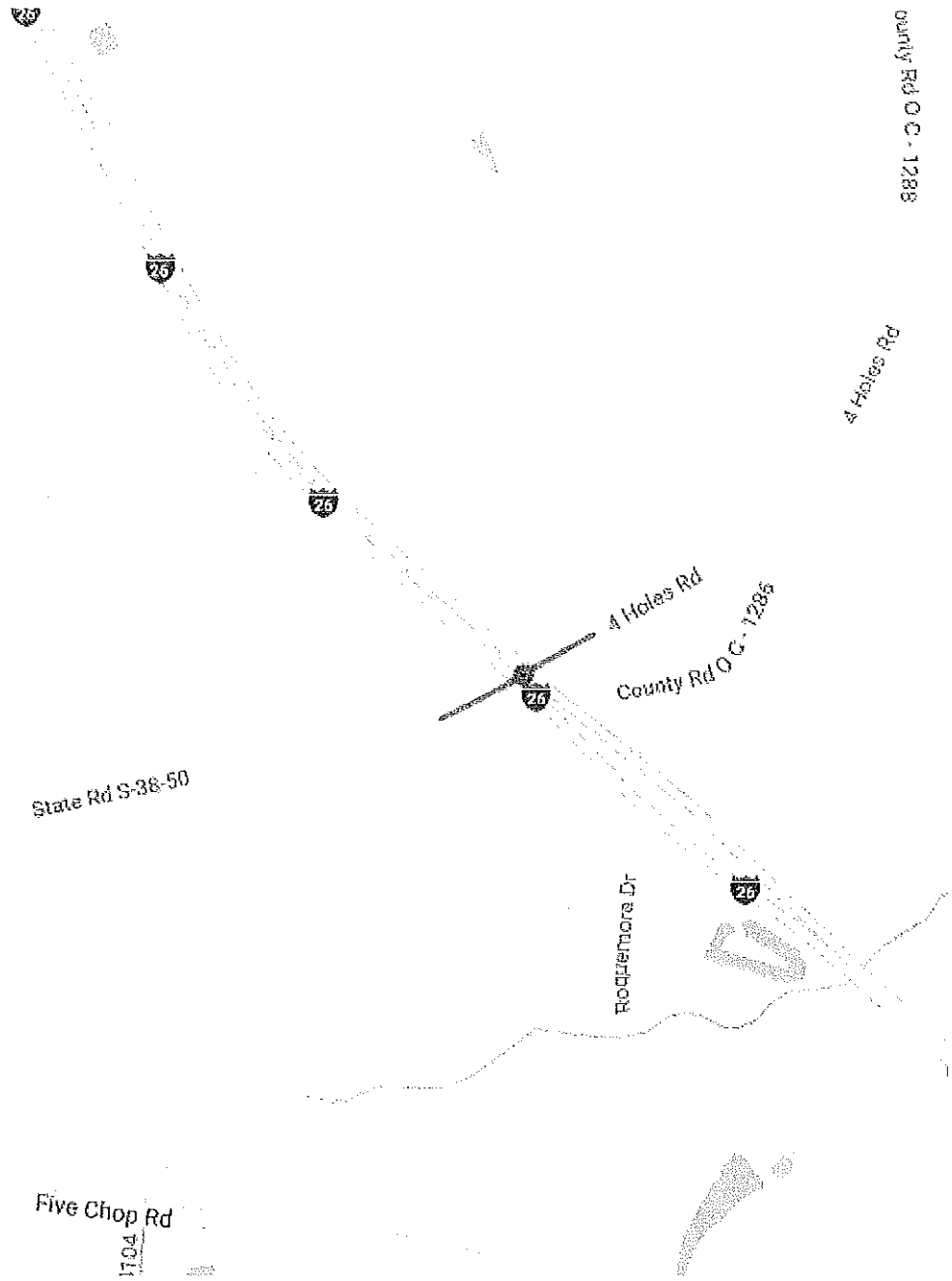
4 FURNISH COPIES OF TRAFFIC DATA TO *

- Lowcounty Regional Production Group Engineer
- Midlands Regional Production Group Engineer
- Pee Dee Regional Production Group Engineer
- Upstate Regional Production Group Engineer
- Material & Research Engineer
- Design Build Design Manager (McKinney)
- Asst. Program Manager (Redfearn)

Requested By: Tyke Redfearn Section: Design-Build

Date: 4/26/2018

Map Satellite



ies Rd

State Rd S-38-50

Five Chop Rd

1104

Rochester Dr

4 Holes Rd

County Rd O.C. - 1286

County Rd O.C. - 1288

4 Holes Rd

Google

Map data ©2018 G



SCDOT Project Screening Tool



Logged in as Tammy Privette
SCDOT (Commenter) / PLANNING

Traffic Projection for Station# 551 at milepost 4.66 on ORANGEBURG S-50 E Main Line

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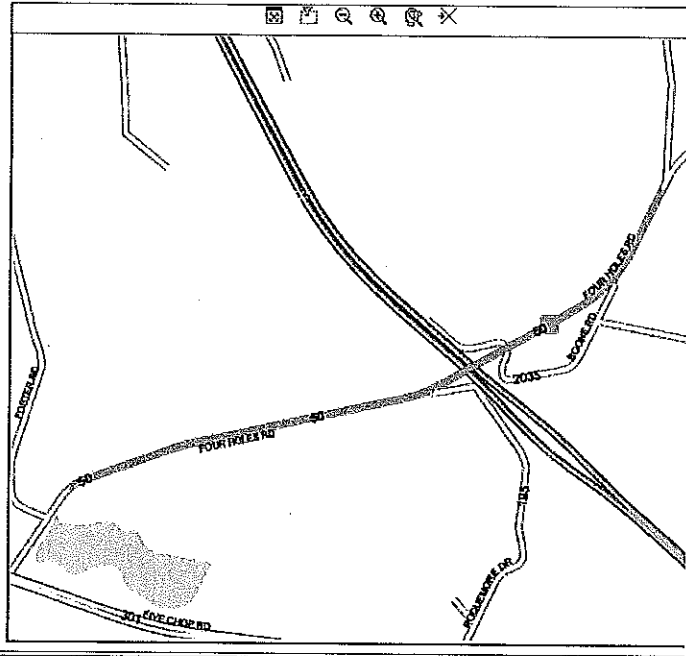
Station Number: 551
Route: ORANGEBURG S-50 E Main Line
MilePost: 4.66

	Year	ADT	LOS
Present	2016	500	
Base	2019	600	
Mid	2029	900	
Design	2039	1,200	

Number of Lanes: 0

Comments:

Requested by NTS\DennisMA on 4/12/2018 1:51:04 PM [View Request](#)



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