

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 4/26/2018

County 17 DILLON

Emergency Bridge Replacement

Route S- 45 Route Name: Lester Rd. P031751

Beginning termini: MP 4.1

Ending termini: MP 4.3

Beginning mile post: 0.00

1-way 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement
 Flexible Rigid

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

Base year: 2018

Base year ADT: 1,250

Future year: 2028

Projected ADT: 1400

Future year: 2038

Projected ADT: 1550

1400

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

5 YR. DES. = 3.76

10 YR. DES. = 7.67

15 YR. DES. = 11.77

20 YR. DES. = 16.03

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TOTAL	CRT. LN.
2018	1,250					
2023	1,300	638	32	8	3.76	3.76
2028	1,400	650	33	16	7.67	7.67
2033	1,500	665	33	25	11.77	11.77
2038	1,550	679	34	34	16.03	16.03

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 Dillon ROUTE/ROAD S-45 (Lester Road) - P031751
 From MP 4.1 To MP 4.3
 (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>1250</u>	Present ADT	<u>()</u>	<u> </u>
Middle Year	<u>2028</u>	<u>1400</u>	Future ADT	<u>()</u>	<u> </u>
End Year	<u>2038</u>	<u>1550</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

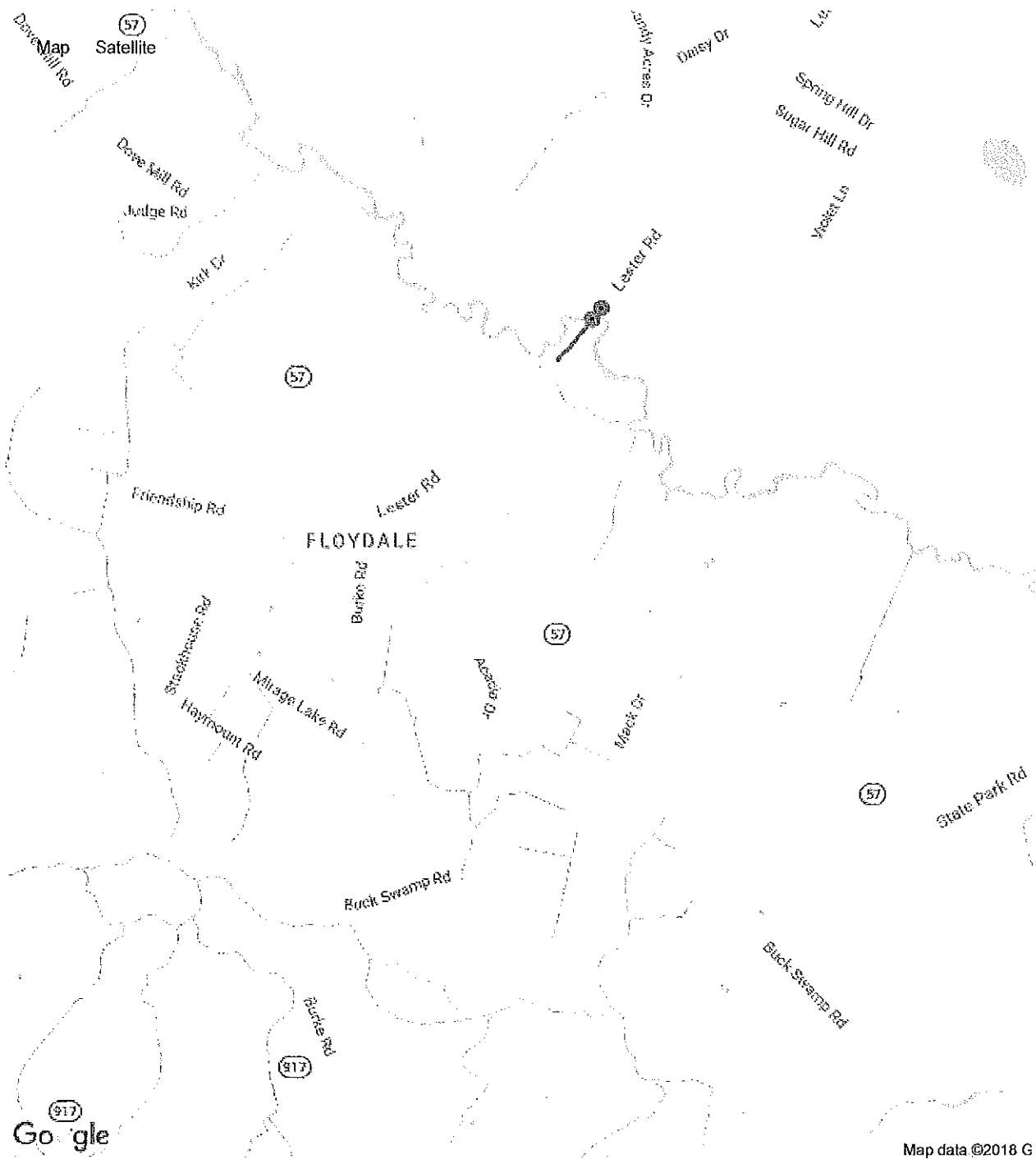
Trucks:
 % ADT
 % DHV
 Other

Road Group H
 Lane Distribution 100
 Trucks (% ADT) 5%

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





SCDOT Project Screening Tool



Logged in as Tammy Privette
SCDOT (Commenter) / PLANNING

Traffic Projection Request for DILLON S-45 N Main Line (17070004500N) from Milepost 3.83 to 4.62

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General

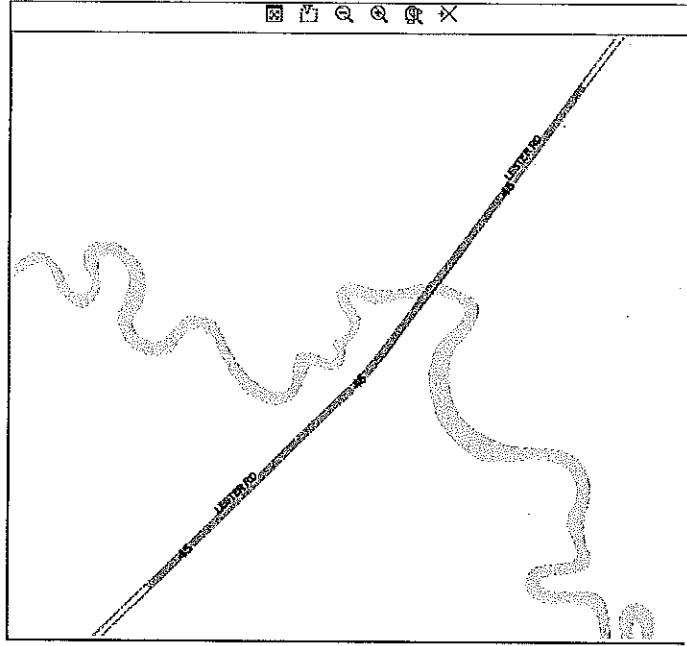
Created by NTS\DennisMA on 11/22/2016 11:55 AM
Base Year: 2017
Future Year: 2037
Roadwork Type: Other
Comments:
 Emergency Bridge Replacement

Traffic Projections

	Year	ADT	LOS
Present	2015	1,200	
Base	2017	1,250	
Mid	2027	1,400	
Design	2037	1,550	

Number of Lanes: 0

Comments:



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DISCLAIMER: ALL GIS DATA NEEDS TO BE FIELD VERIFIED