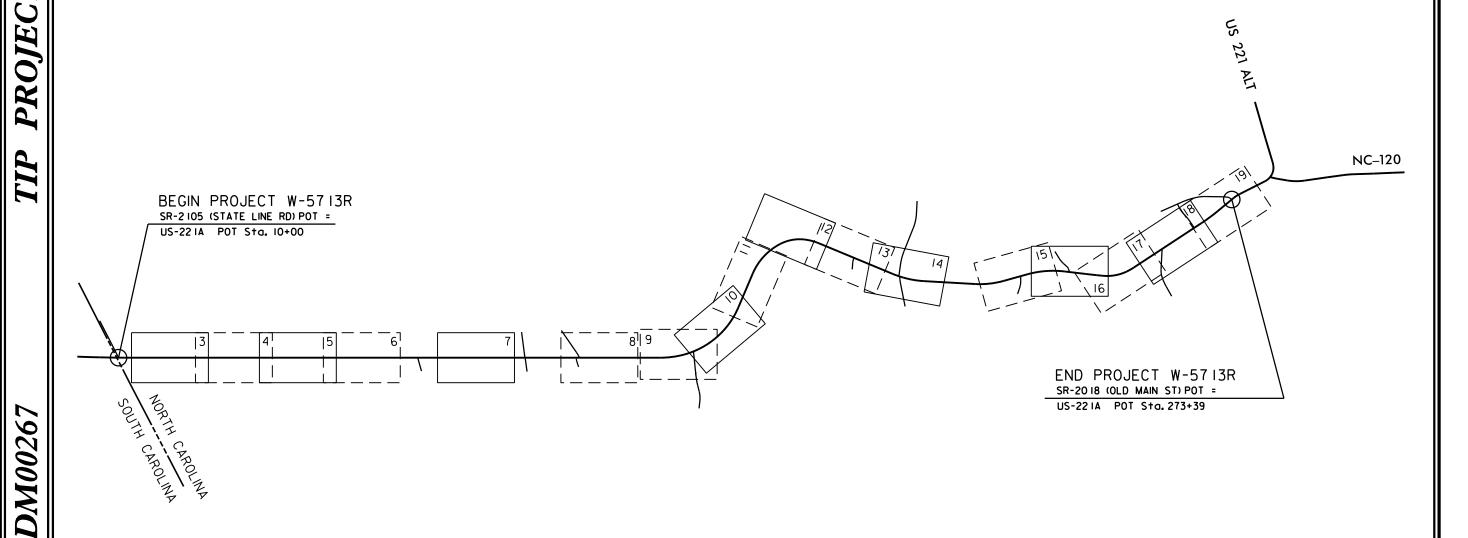
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS RUTHERFORD COUNTY



LOCATION: US-221A 0.25 MILES FROM THE SOUTH CAROLINA STATE LINE TO SR-2018 (OLD MAIN ST)

TYPE OF WORK: GUARDRAIL INSTALLATION AND REPLACEMENT



Prepared In the Office of:
NCDOT DIVISION 13

55 Orange St., Asheville NC, 28801

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
PROJECT ENGINEER

LETTING DATE:
JANUARY 16, 2019

PROJECT DESIGN ENGINEER



CONTRACT: DM

S

M-**M**

PROJECT REFERENCE NO.	SHEET NO.
W-57/3R	2







PROPOSED GUARDRAIL LOCATION I

250 LF STEEL BEAM GUARDRAIL 2 EA GUARDRAIL END UNITS, TYPE TL-3



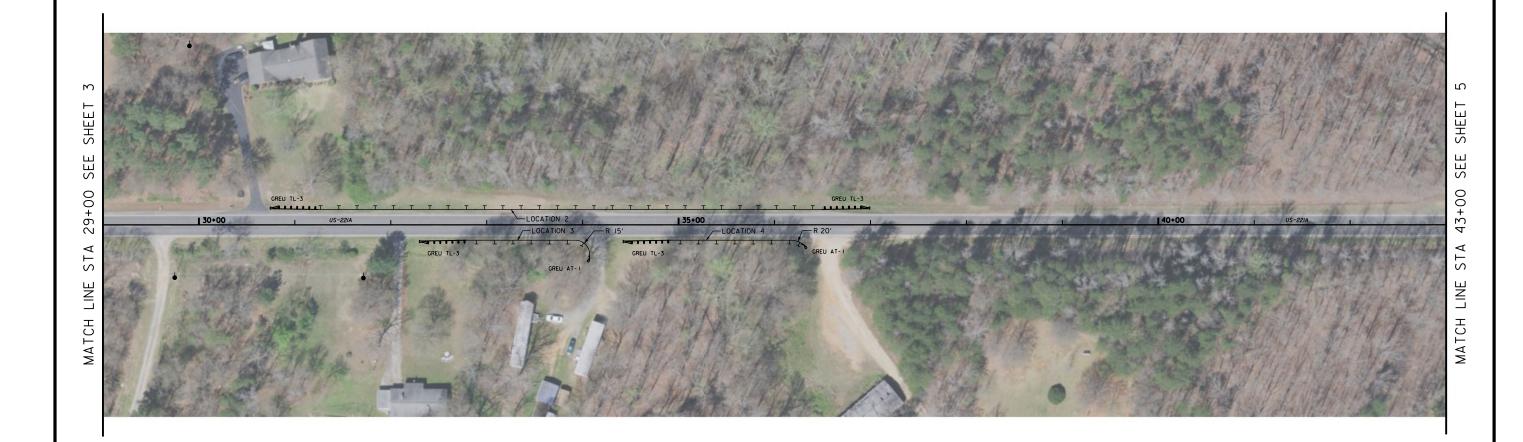
PROPOSED GUARDRAIL LOCATION IA

PROJECT REFERENCE NO. S



PROPOSED GUARDRAIL LOCATION 2

525 LF STEEL BEAM GUARDRAIL
2 EA GUARDRAIL END UNITS, TYPE TL-3



PROPOSED GUARDRAIL LOCATION 3

112.5 LF STEEL BEAM GUARDRAIL
25 LF STEEL BEAM GUARDRAIL, SHOP CURVED
1 EA GUARDRAIL END UNITS, TYPE TL-3
1 EA GUARDRAIL END UNITS, TYPE AT-1

PROPOSED GUARDRAIL LOCATION 4

125 LF STEEL BEAM GUARDRAIL
12.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED
1 EA GUARDRAIL END UNITS, TYPE TL-3
1 EA GUARDRAIL END UNITS, TYPE AT-1

375 LF STEEL BEAM GUARDRAIL
2 EA GUARDRAIL END UNITS, TYPE TL-3

PROPOSED GUARDRAIL LOCATION 8

8 12.5 LF STEEL BEAM GUARDRAIL 2 EA GUARDRAIL END UNITS, TYPE TL-3



PROPOSED GUARDRAIL LOCATION 6

62.5 LF STEEL BEAM GUARDRAIL
25 LF STEEL BEAM GUARDRAIL, SHOP CURVED
1 EA GUARDRAIL END UNITS, TYPE TL-3
1 EA GUARDRAIL END UNITS, TYPE AT-1

PROPOSED GUARDRAIL LOCATION 7A

187.5 LF STEEL BEAM GUARDRAIL
50 LF STEEL BEAM GUARDRAIL, SHOP CURVED
2 EA GUARDRAIL END UNITS, TYPE AT-I

PROPOSED GUARDRAIL LOCATION 7B



PROPOSED GUARDRAIL LOCATION 10

175 LF STEEL BEAM GUARDRAIL
2 EA GUARDRAIL END UNITS, TYPE TL-3



PROPOSED GUARDRAIL LOCATION 7C

100 LF STEEL BEAM GUARDRAIL 37.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED 2 EA GUARDRAIL END UNITS, TYPE AT-I

PROPOSED GUARDRAIL LOCATION 9





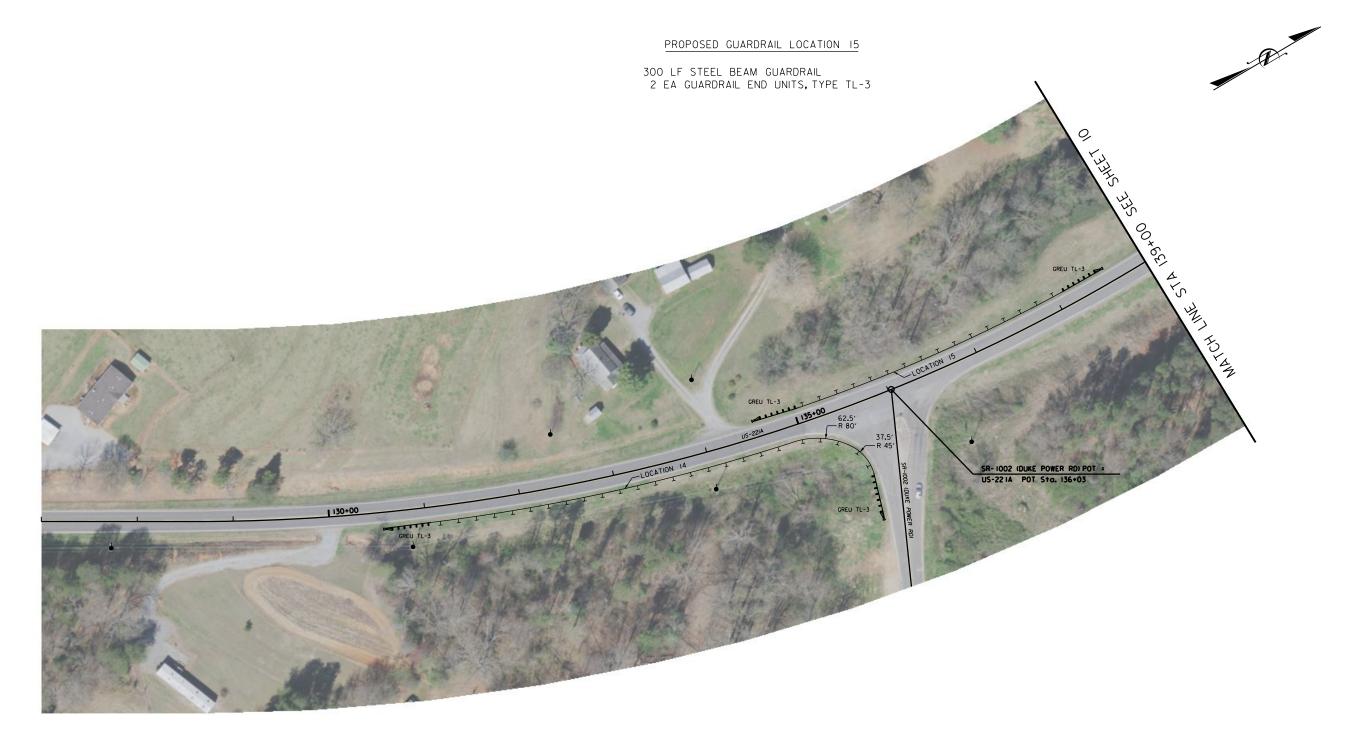
PROPOSED GUARDRAIL LOCATION II

PROPOSED GUARDRAIL LOCATION 13

925 LF STEEL BEAM GUARDRAIL
2 EA GUARDRAIL END UNITS, TYPE TL-3



PROPOSED GUARDRAIL LOCATION 12

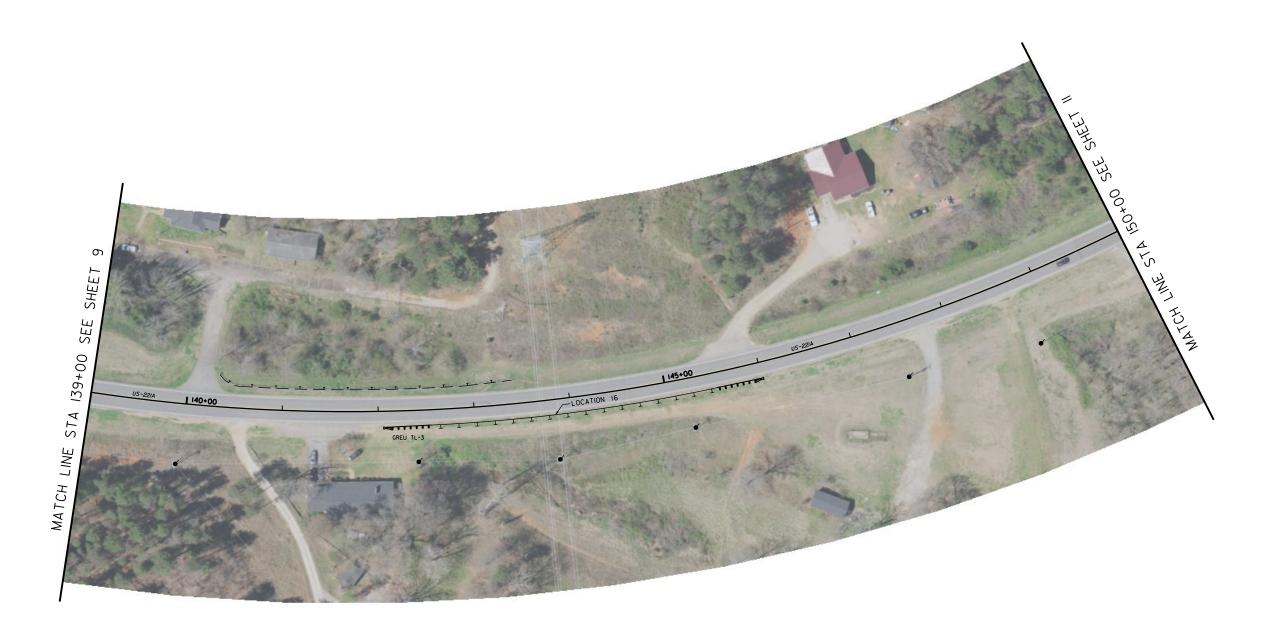


PROPOSED GUARDRAIL LOCATION 14

387.5 LF STEEL BEAM GUARDRAIL
100 LF STEEL BEAM GUARDRAIL, SHOP CURVED
2 EA GUARDRAIL END UNITS, TYPE TL-3

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25 LF STEEL BEAM GUARDRAIL

- I EA GUARDRAIL ANCHOR UNITS, TYPE B-83
- I EA GUARDRAIL END UNITS, TYPE TL-3
- 92 LF REMOVE EXISTING GUARDRAIL

PROPOSED GUARDRAIL LOCATION 17C

175 LF STEEL BEAM GUARDRAIL

- I EA GUARDRAIL ANCHOR UNITS, TYPE B-83
- I EA GUARDRAIL END UNITS, TYPE TL-3
- 242 LF REMOVE EXISTING GUARDRAIL



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400 LF STEEL BEAM GUARDRAIL
50 LF STEEL BEAM GUARDRAIL, SHOP CURVED
1 EA GUARDRAIL END UNITS, TYPE TL-3
1 EA GUARDRAIL END UNITS, TYPE AT-1



PROPOSED GUARDRAIL LOCATION 21

50 LF STEEL BEAM GUARDRAIL
62.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED
1 EA GUARDRAIL END UNITS, TYPE TL-3
1 EA GUARDRAIL END UNITS, TYPE AT-1



PROPOSED GUARDRAIL LOCATION 20

150 LF STEEL BEAM GUARDRAIL 75 LF STEEL BEAM GUARDRAIL, SHOP CURVED 2 EA GUARDRAIL END UNITS, TYPE TL-3

PROPOSED GUARDRAIL LOCATION 22

275 LF STEEL BEAM GUARDRAIL
75 LF STEEL BEAM GUARDRAIL, SHOP CURVED
1 EA GUARDRAIL END UNITS, TYPE TL-3
1 EA GUARDRAIL END UNITS, TYPE AT-1



PROPOSED GUARDRAIL LOCATION 24

525 LF STEEL BEAM GUARDRAIL

25 LF STEEL BEAM GUARDRAIL, SHOP CURVED

I EA GUARDRAIL END UNITS, TYPE TL-3

I EA GUARDRAIL END UNITS, TYPE AT-I



PROPOSED GUARDRAIL LOCATION 23A

400 LF STEEL BEAM GUARDRAIL 62.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED 2 EA GUARDRAIL END UNITS, TYPE TL-3

PROPOSED GUARDRAIL LOCATION 23B

150 LF STEEL BEAM GUARDRAIL

50 LF STEEL BEAM GUARDRAIL, SHOP CURVED

I EA GUARDRAIL END UNITS, TYPE TL-3

I EA GUARDRAIL END UNITS, TYPE AT-I



PROPOSED GUARDRAIL LOCATION 25A

1675 LF STEEL BEAM GUARDRAIL

I EA GUARDRAIL END UNITS, TYPE TL-3

I EA GUARDRAIL ANCHOR UNITS, TYPE B-83

1238 LF REMOVE EXISTING GUARDRAIL



PROJECT REFERENCE NO. W−57I3R SHEET SEE 251+00 STAMATCH LINE PROPOSED GUARDRAIL LOCATION 25B

212.5 LF STEEL BEAM GUARDRAIL

I EA GUARDRAIL END UNITS, TYPE TL-3 I EA GUARDRAIL ANCHOR UNITS, TYPE B-83

227 LF REMOVE EXISTING GUARDRAIL



25 LF STEEL BEAM GUARDRAIL

12.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED

I EA GUARDRAIL END UNITS, TYPE AT-I

I EA GUARDRAIL ANCHOR UNITS, TYPE B-83

52 LF REMOVE EXISTING GUARDRAIL

PROPOSED GUARDRAIL LOCATION 27A

625 LF STEEL BEAM GUARDRAIL
2 EA GUARDRAIL END UNITS, TYPE TL-3
746 LF REMOVE EXISTING GUARDRAIL



PROPOSED GUARDRAIL LOCATION 26B

162.5 LF STEEL BEAM GUARDRAIL

37.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED

I EA GUARDRAIL END UNITS, TYPE TL-3

I EA GUARDRAIL ANCHOR UNITS, TYPE B-83

276 LF REMOVE EXISTING GUARDRAIL

1912.5 LF STEEL BEAM GUARDRAIL

62.5 LF STEEL BEAM GUARDRAIL, SHOP CURVED

I EA GUARDRAIL END UNITS, TYPE TL-3

I EA GUARDRAIL END UNITS, TYPE AT-I

1960 LF REMOVE EXISTING GUARDRAIL

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