



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL JOHNSON
SECRETARY

June 29, 2026

MEMORANDUM TO: Sonya Tankersley
Feasibility Studies

FROM: Sage Weatherwax
Traffic Forecasting Group

SUBJECT: Traffic Forecast for H141485
Nash County
Construct new 2-lane divided facility from S Eastpointe
Ave to SR 1700 (Oak Level Rd)

Please find attached the 2026/2050 Traffic Forecast for Project H141485 in Nash County.

The forecast includes the following scenarios:

- Base Year (2026) Project No-Build Estimate
- Base Year (2026) Project Build Forecast
- Future Year (2050) Project No-Build Forecast
- Future Year (2050) Project Build Forecast

Fiscal Constraint:

This forecast is consistent with the current 2050 Rocky Mount Metropolitan Transportation Plan (MTP) and with the current STIP. The MTP and STIP contain some projects in the vicinity of H141485 project area that may affect travel demand.

- **R-5720:** Widen to Multi-lane on SR 1770 (Eastern Ave) from SR 1003 (Red Oak Road) to SR (Old Carriage Road).
- **I-6045:** Rehabilitate pavement on US 64 (Future I-87) from SR 1306 (South Old Franklin Road) to SR 1603 (Old Carriage Road)

These projects are assumed to be open in 2050.

Development Activity:

There is currently no major development under construction nor is any substantial development expected within the vicinity of the project.

Forecast Methodology:

The 2026 Estimates are based upon current traffic counts and historical AADT trends.

The 2050 Forecast was developed based upon consideration of output from the Rocky Mount MPO Model and population projections for Durham County prepared by the State Demographers Office. No diversion of traffic is expected

If it is determined that any of these assumptions have become inconsistent with the project and surrounding area activity, please request an updated forecast.

If we can be of any further assistance, please do not hesitate to contact me at 707-0935, email: swweatherwax@ncdot.gov.

Driveway/ SR 2425 N Clarendon Dr

US 64 Bus
(Red Oak Rd)

N Eastpointe Ave

US 64 Bus/
SR 1770
(Eastern Ave)

US 64 Bus/
SR 1770
(Eastern Ave)

SR 1700
(E Washington St)

SR 1700
(Oak Level Rd)

S Clarendon Dr



Sheet 1 of 1

2026 No-Build

AVERAGE ANNUAL DAILY TRAFFIC

LEGEND

K ^{AM/PM} → D
(d, t)

No. of Vehicles Per Day (VPD) in 100s

1- Less than 50 VPD

X Movement Prohibited

(d,t) Duals, TT-STs (%)

K Design Hour Factor(%)

PM/AM PM Peak Period

D Peak Hour

Directional Split (%)

→ Indicates Direction of D

SPOT ID: H141485

WBS: 34263.1.1

COUNTY: Nash

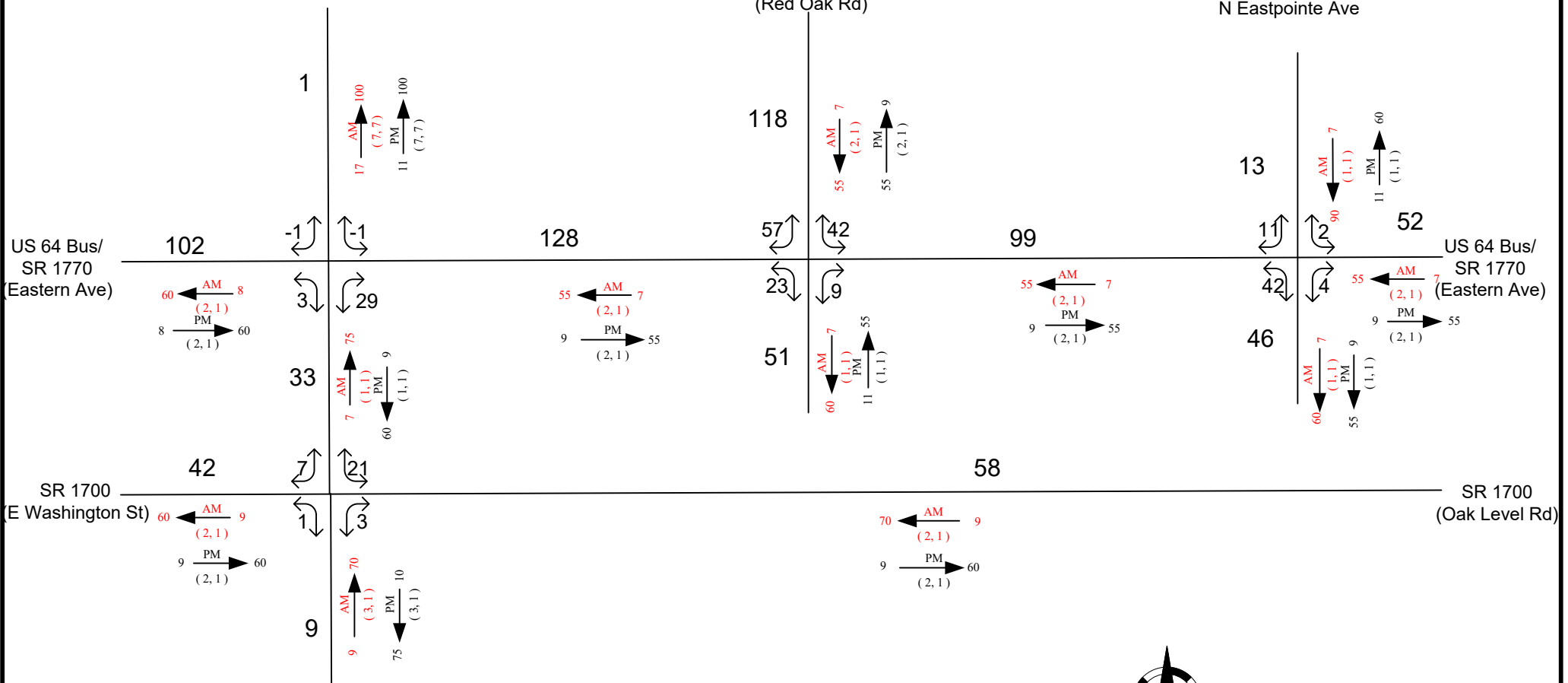
DIVISION: 4

DATE: 6-29-2026

PREPARED BY: Sage Weatherwax

LOCATION: Eastpointe Ave

PROJECT: Construct new 2- Lane Facility



Driveway/ SR 2425 N Clarendon Dr

US 64 Bus
(Red Oak Rd)

N Eastpointe Ave

US 64 Bus/
SR 1770
(Eastern Ave)

US 64 Bus/
SR 1770
(Eastern Ave)

SR 1700
(E Washington St)

SR 1700
(Oak Level Rd)

S Clarendon Dr

S Eastpointe Ave

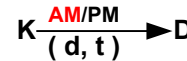


Sheet 1 of 1

2026 Build

AVERAGE ANNUAL DAILY TRAFFIC

LEGEND



No. of Vehicles Per Day (VPD) in 100s

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X Movement Prohibited

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K Design Hour Factor(%)

PM/AM PM Peak Period

D Peak Hour Directional Split (%)

→ Indicates Direction of D

SPOT ID: H141485

WBS: 34263.1.1

COUNTY: Nash

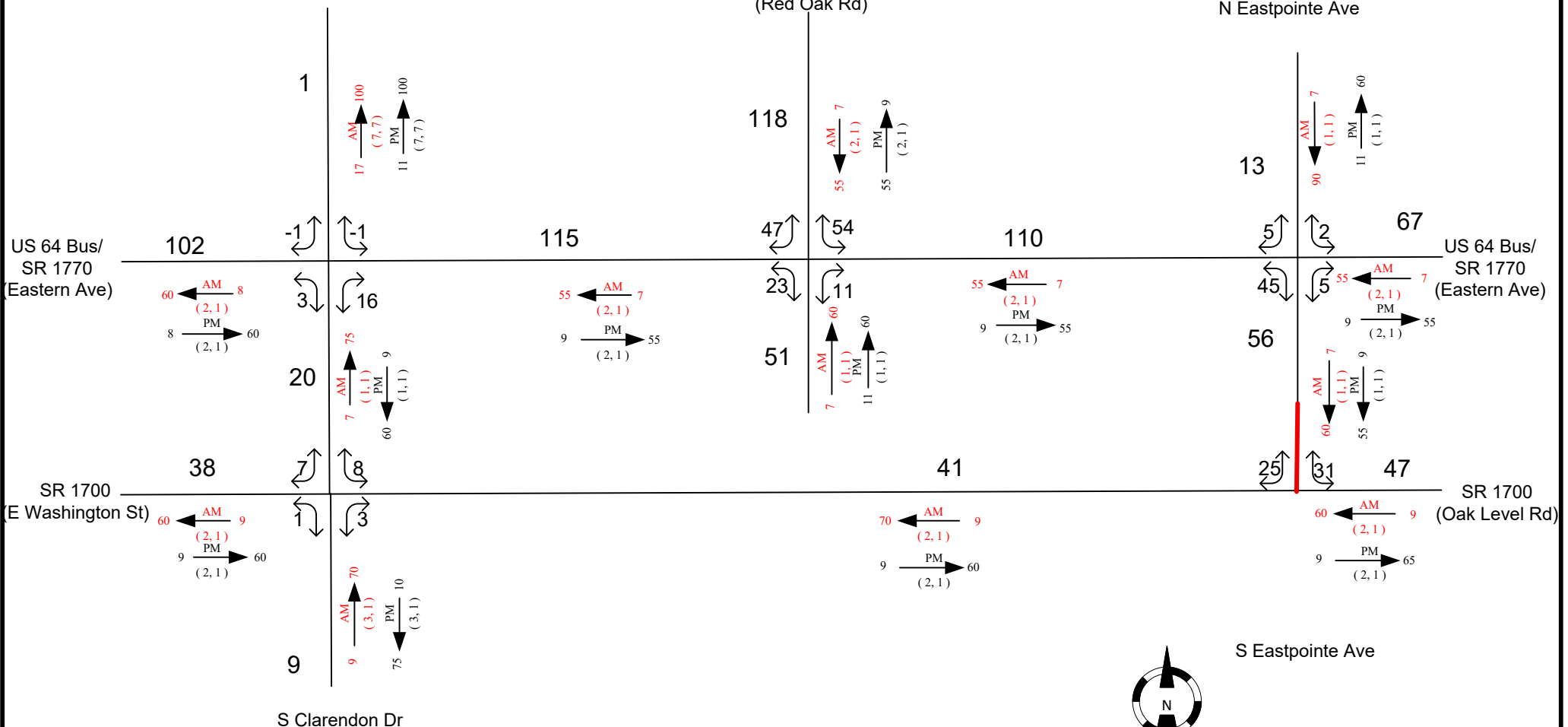
DIVISION: 4

DATE: 6-29-2026

PREPARED BY: Sage Weatherwax

LOCATION: Eastpointe Ave

PROJECT: Construct new 2- Lane Facility



Driveway/ SR 2425 N Clarendon Dr

US 64 Bus
(Red Oak Rd)

N Eastpointe Ave

US 64 Bus/
SR 1770
(Eastern Ave)

US 64 Bus/
SR 1770
(Eastern Ave)

SR 1700
(E Washington St)

SR 1700
(Oak Level Rd)

S Clarendon Dr



Sheet 1 of 1

2050 No-Build

AVERAGE ANNUAL DAILY TRAFFIC

LEGEND

K ^{AM/PM} → D
(d, t)

No. of Vehicles Per Day (VPD) in 100s

1- Less than 50 VPD

X Movement Prohibited

(d,t) Duals, TT-STs (%)

K Design Hour Factor(%)

PM/AM PM Peak Period

D Peak Hour

→ Directional Split (%)

of D

SPOT ID: H141485

WBS: 34263.1.1

COUNTY: Nash

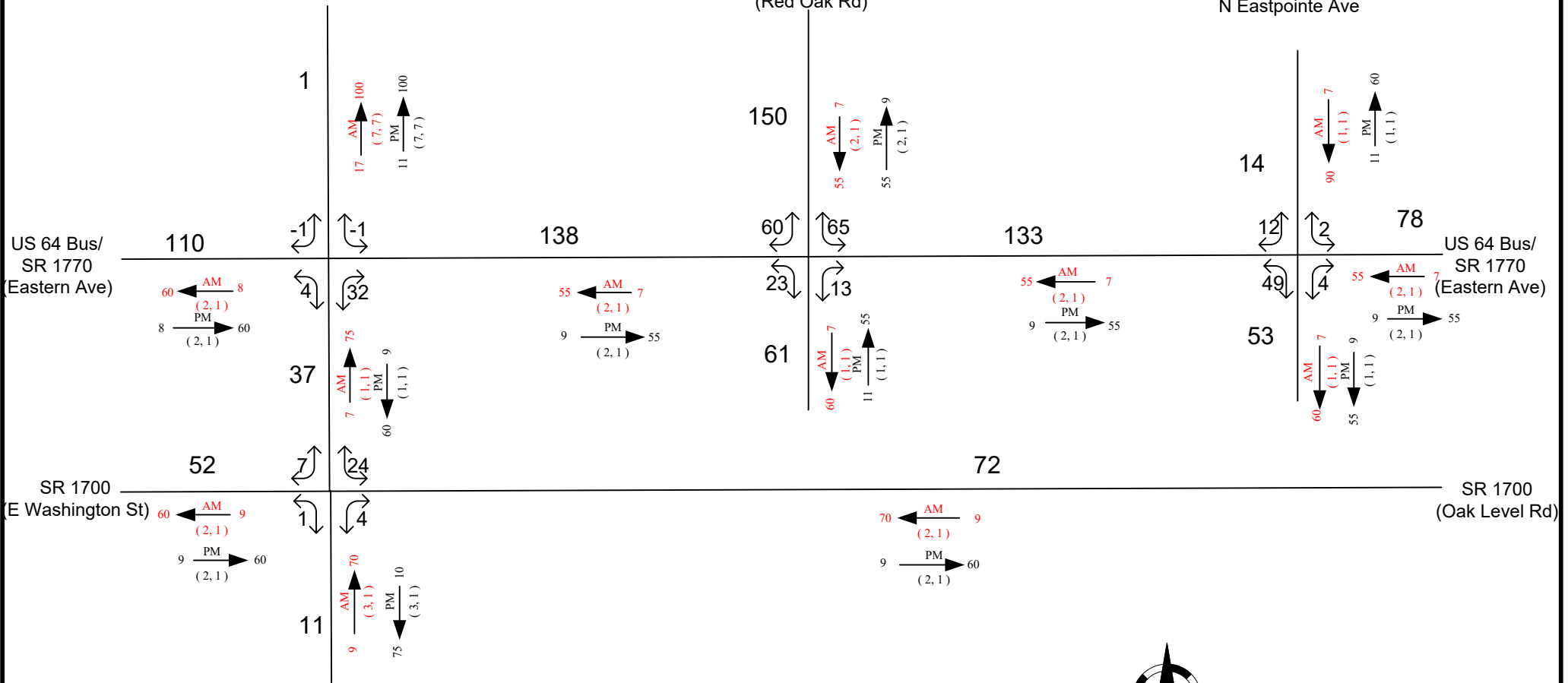
DIVISION: 4

DATE: 6-29-2026

PREPARED BY: Sage Weatherwax

LOCATION: Eastpointe Ave

PROJECT: Construct new 2- Lane Facility



Driveway/ SR 2425 N Clarendon Dr

US 64 Bus
(Red Oak Rd)

N Eastpointe Ave

US 64 Bus/
SR 1770
(Eastern Ave)

US 64 Bus/
SR 1770
(Eastern Ave)

SR 1700
(E Washington St)

SR 1700
(Oak Level Rd)

S Clarendon Dr

S Eastpointe Ave



Sheet 1 of 1

2050 Build

AVERAGE ANNUAL DAILY TRAFFIC

LEGEND

K ^{AM/PM} → D
(d, t)

No. of Vehicles Per Day (VPD) in 100s

1- Less than 50 VPD

X Movement Prohibited

(d,t) Duals, TT-STs (%)

K Design Hour Factor(%)

PM/AM PM Peak Period
D Peak Hour

Directional Split (%)

→ Indicates Direction of D

SPOT ID: H141485

WBS: 34263.1.1

COUNTY: Nash

DIVISION: 4

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