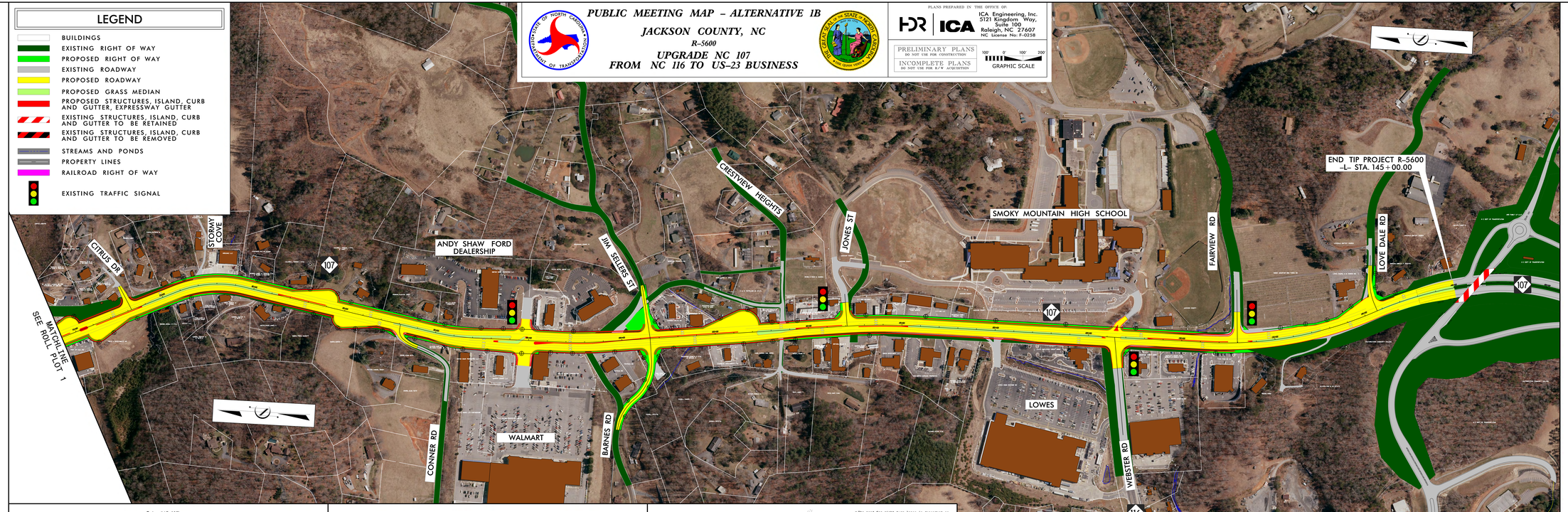
PUBLIC MEETING MAP – ALTERNATIVE 1B

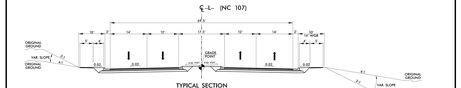
JACKSON COUNTY, NC

R-5600

UPGRADE NC 107
FROM NC 116 TO US-23 BUSINESS

SHEET 2 OF 2





TYPICAL SECTION

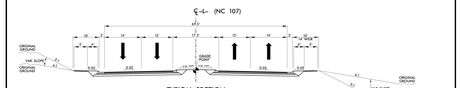
NC 107 (E MAIN STREET) FROM JONES STREET TO SOUTH OF NC 116

DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
POSTED SPEED: 45 MPH
DESIGN SPEED: 50 MPH
ESTIMATED ADT:
2016: 29,800 VPD
2035: 34,800 VPD

MINIMUM RADIUS: 920'
MAXIMUM RATE OF SUPERELEVATION: 4%
MAXIMUM GRADE: 8%
MAXIMUM K FACTORS:
CREST: 84
SAG: 96

LANE WIDTHS: 12' (INSIDE), 14' (OUTSIDE)
SHOULDER WIDTH AND TYPE:
5'-6" CURB AND GUTTER WITH 10' BERM (OUTSIDE)
1'-6" CURB AND GUTTER WITH 17') RAISED GRASS MEDIAN



TYPICAL SECTION

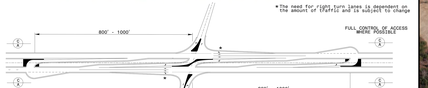
NC 107 (E MAIN STREET) FROM ASHEVILLE HIGHWAY TO JONES STREET

DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
POSTED SPEED: 55 MPH
DESIGN SPEED: 60 MPH
ESTIMATED ADT:
2016: 32,600 VPD
2035: 39,200 VPD

MINIMUM RADIUS: 1570'
MAXIMUM RATE OF SUPERELEVATION: 4%
MAXIMUM GRADE: 8%
MAXIMUM K FACTORS:
CREST: 44
SAG: 64

LANE WIDTHS: 12' (INSIDE), 14' (OUTSIDE)
SHOULDER WIDTH AND TYPE:
5'-6" CURB AND GUTTER WITH 10' BERM (OUTSIDE)
1'-6" CURB AND GUTTER WITH 17') RAISED GRASS MEDIAN



DIRECTIONAL CROSSOVER WITH MEDIAN U-TURNS

ESTIMATED TO BE USED AT ALL INTERSECTIONS

U-TURN KNUCKLES NOT TO BE PLACED IN WETLANDS OR RIGHT OF WAY SENSITIVE AREAS

PUBLIC MEETING MAP – ALTERNATIVE 1B
JACKSON COUNTY, NC
R-5600
UPGRADE NC 107
FROM NC 116 TO US-23 BUSINESS
SHEET 2 OF 2