APPENDIX D

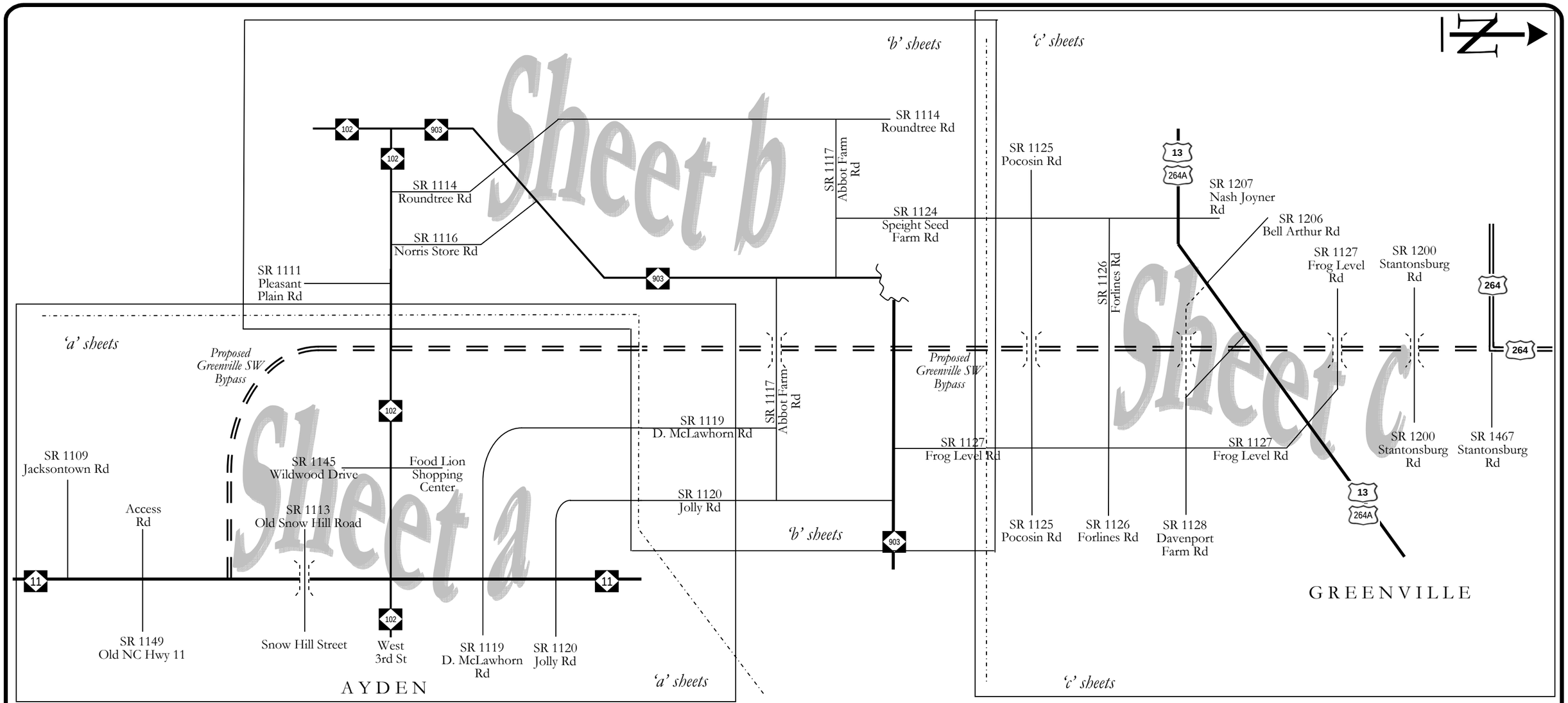
NC 903 INTERCHANGE IMPACT MINIMIZATION – TRAFFIC FORECAST DIAGRAMS

DIAGRAM 1 – 2007 NO-BUILD ALTERNATIVE FORECAST VOLUMES

DIAGRAM 2 – NO-BUILD ALTERNATIVE FORECAST VOLUMES

DIAGRAM 3 – 2030 BUILD ALTERNATIVE 1 FORECAST VOLUMES (WITH INTERCHANGE AT NC 903)

DIAGRAM 4 – 2030 BUILD ALTERNATIVE 2 FORECAST VOLUMES (WITHOUT INTERCHANGE AT NC 903)



MARTIN ALEXIOU BRYSON

PROJECT

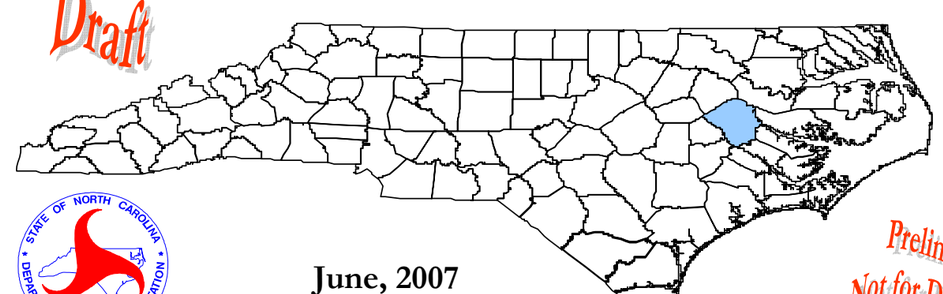
TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 1:
2007 NO-BUILD ALTERNATIVE
FORECAST VOLUMES
(Overview Diagram)

LEGEND

- Existing Road
- Proposed Road
- Proposed Grade Separation (without interchange)
- Matchline Between Sheets

Draft



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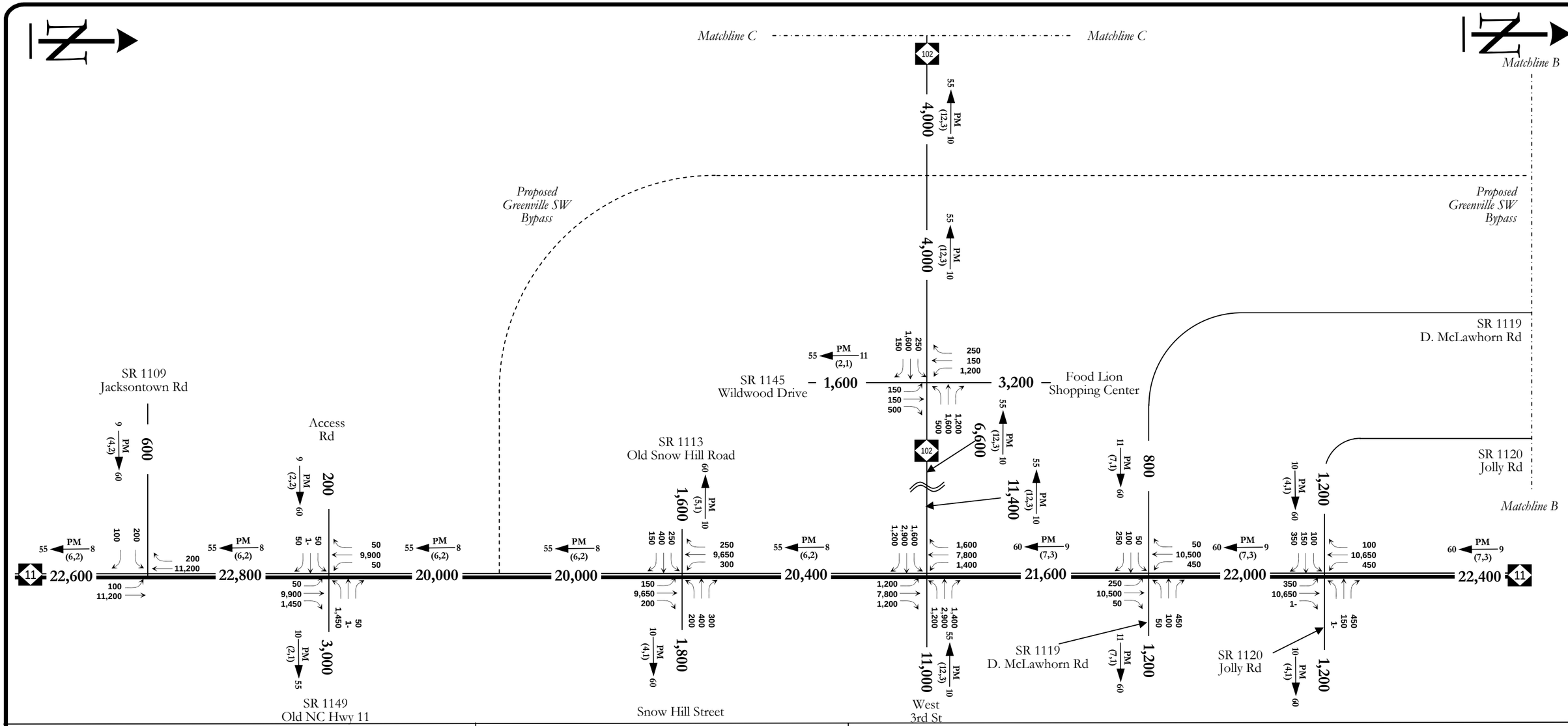

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DIAGRAM 1a:
2007 NO-BUILD ALTERNATIVE
FORECAST VOLUMES

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TIP Project No. R-2250,
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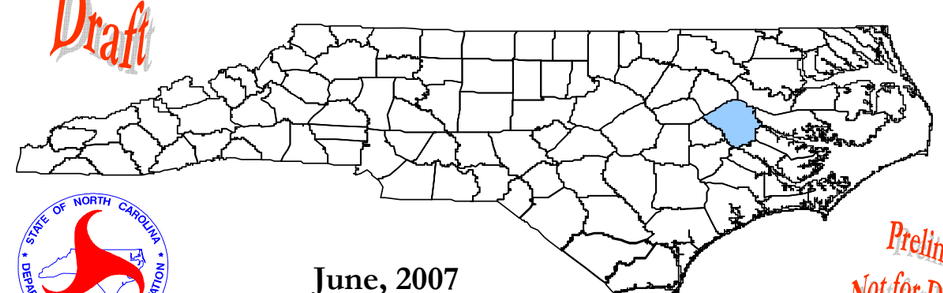
NCDOT Division 2
Pitt County, North Carolina

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D

Draft



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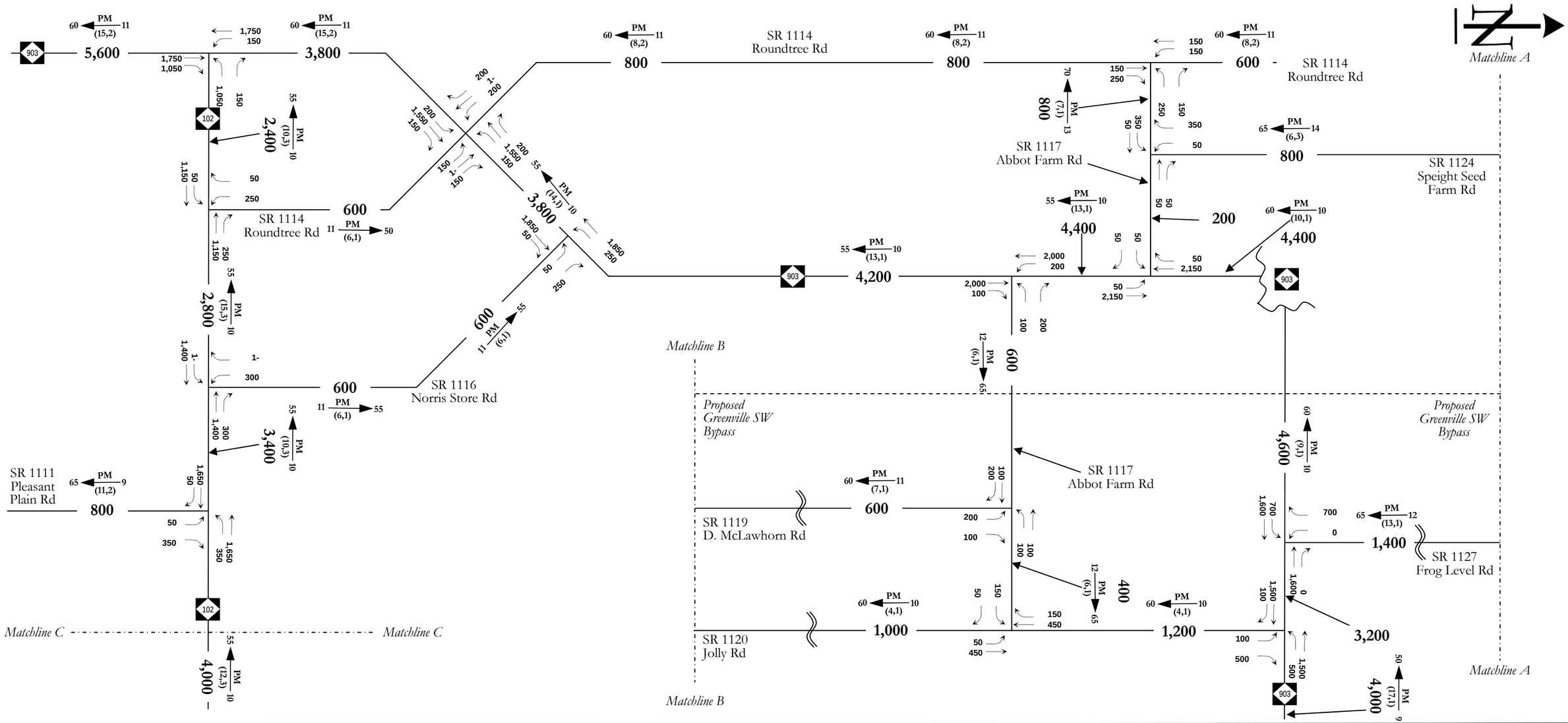

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PROJECT

TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

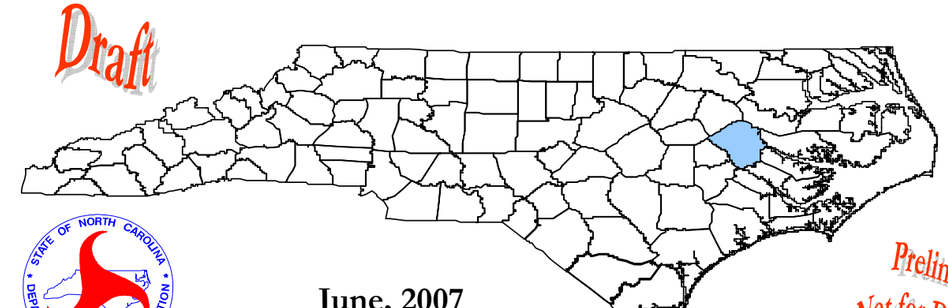
DIAGRAM 1b:
2007 NO-BUILD ALTERNATIVE
FORECAST VOLUMES

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D

Draft



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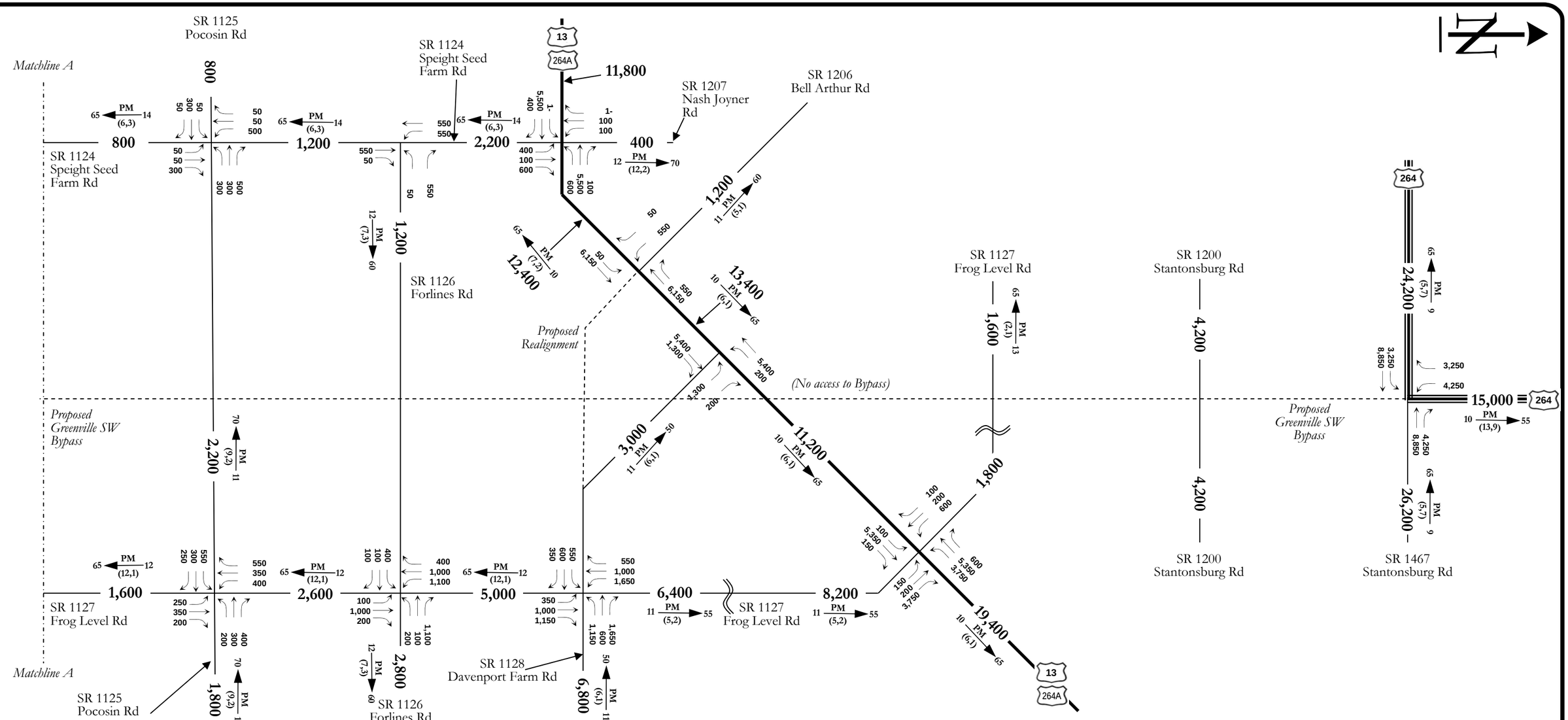

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TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

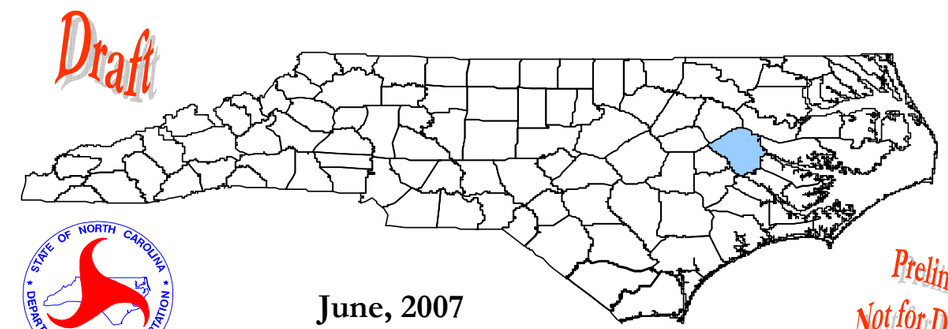
DIAGRAM 1c:
2007 NO-BUILD ALTERNATIVE
FORECAST VOLUMES

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D

Draft



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'b' sheets

'c' sheets

Sheet b

Sheet c

Sheet a

SR 1114
Roundtree Rd

SR 1117
Abbot Farm
Rd

SR 1125
Pocosin Rd

13
264A

SR 1207
Nash Joyner
Rd

SR 1206
Bell Arthur Rd

SR 1124
Speight Seed
Farm Rd

SR 1126
Forlines Rd

SR 1127
Frog Level
Rd

SR 1200
Stantonsburg
Rd

264

102

903

SR 1114
Roundtree Rd

SR 1116
Norris Store Rd

SR 1111
Pleasant
Plain Rd

'a' sheets

Proposed
Greenville SW
Bypass

SR 1117
Abbot Farm
Rd

SR 1119
D. McLawhorn Rd

SR 1127
Frog Level Rd

SR 1127
Frog Level Rd

SR 1200
Stantonsburg
Rd

SR 1467
Stantonsburg
Rd

SR 1109
Jacksontown Rd

SR 1145
Wildwood Drive

Food Lion
Shopping
Center

SR 1120
Jolly Rd

Access
Rd

SR 1113
Old Snow Hill Road

'b' sheets

SR 1125
Pocosin Rd

SR 1126
Forlines Rd

SR 1128
Davenport
Farm Rd

11

GREENVILLE

SR 1149
Old NC Hwy 11

Snow Hill Street

West
3rd St

SR 1119
D. McLawhorn
Rd

SR 1120
Jolly Rd

AYDEN

'a' sheets

'c' sheets

MARTIN
ALEXIOU
BRYSON

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NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 2:
2030 NO-BUILD ALTERNATIVE
FORECAST VOLUMES
(Overview Diagram)

LEGEND

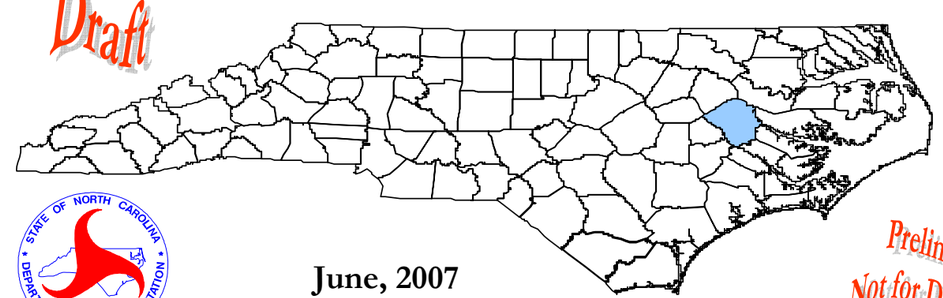
Existing Road

Proposed Road

Proposed Grade Separation (without interchange)

Matchline Between Sheets

Draft



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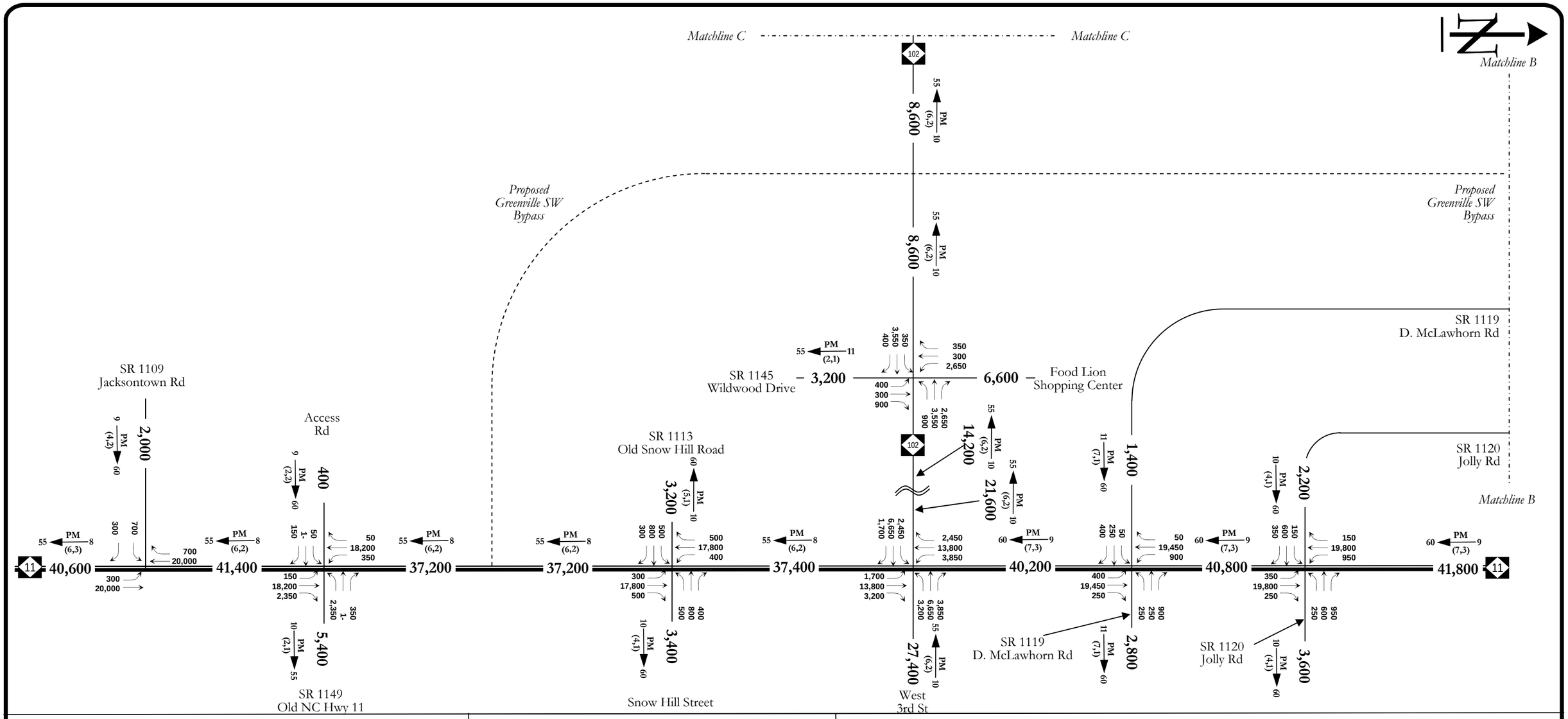

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PROJECT

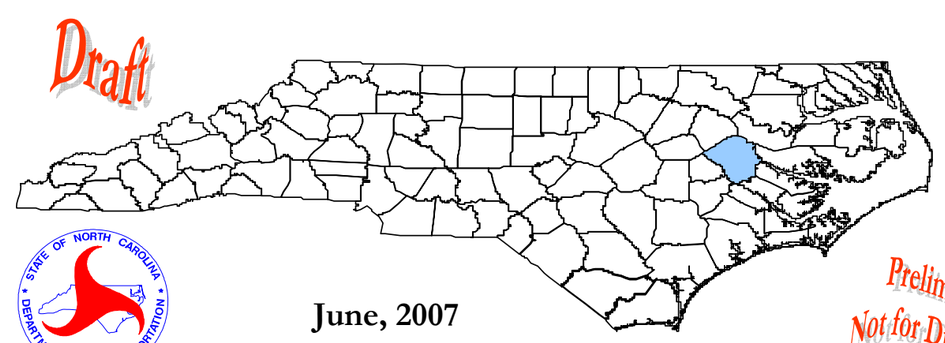
TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 2a:
2030 NO-BUILD ALTERNATIVE
FORECAST VOLUMES

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D



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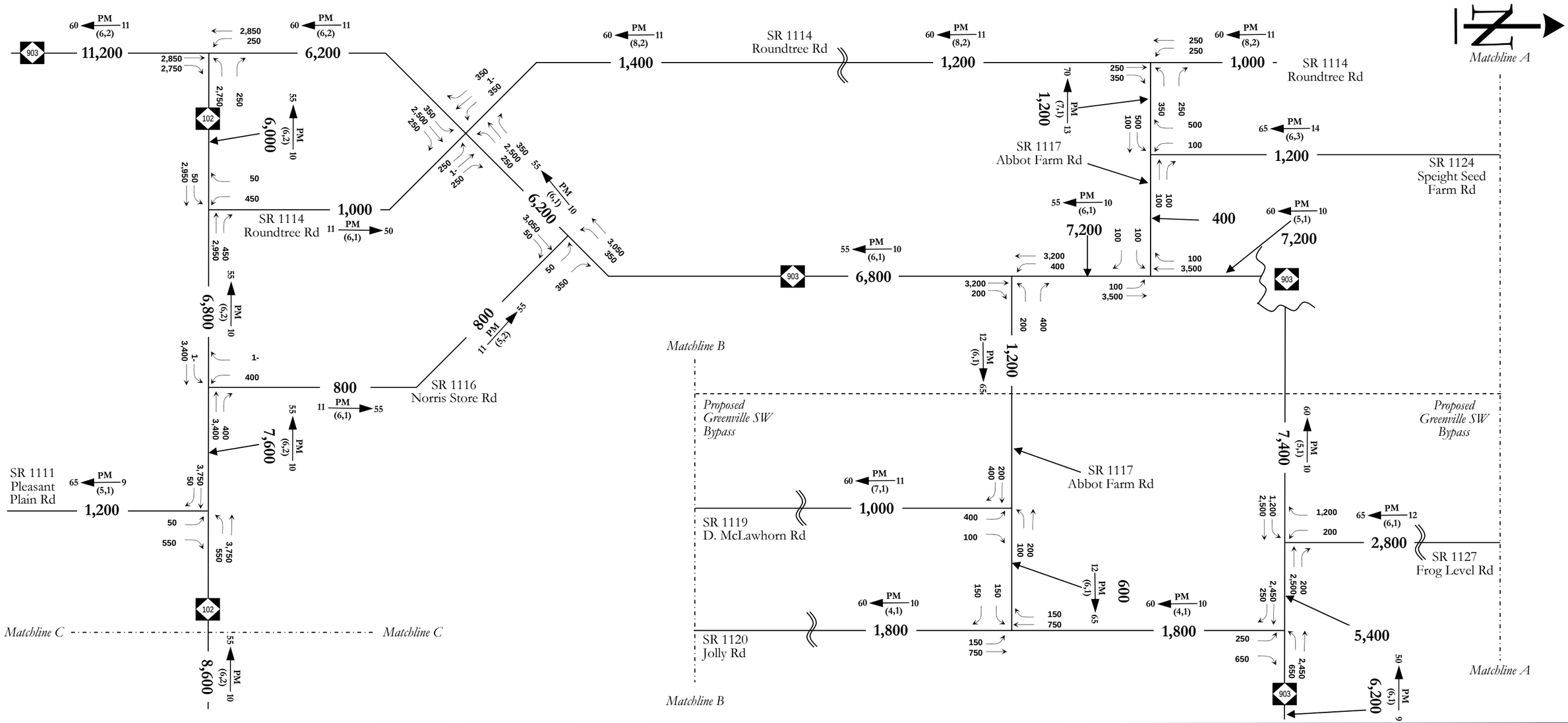

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TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

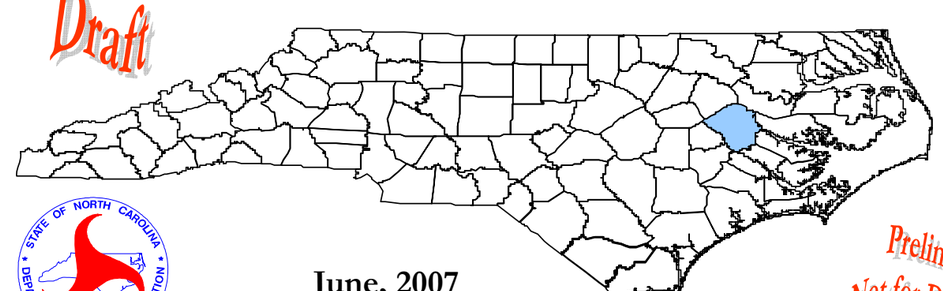
DIAGRAM 2b:
2030 NO-BUILD ALTERNATIVE
FORECAST VOLUMES

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV —PM (d, t)→ D

Draft



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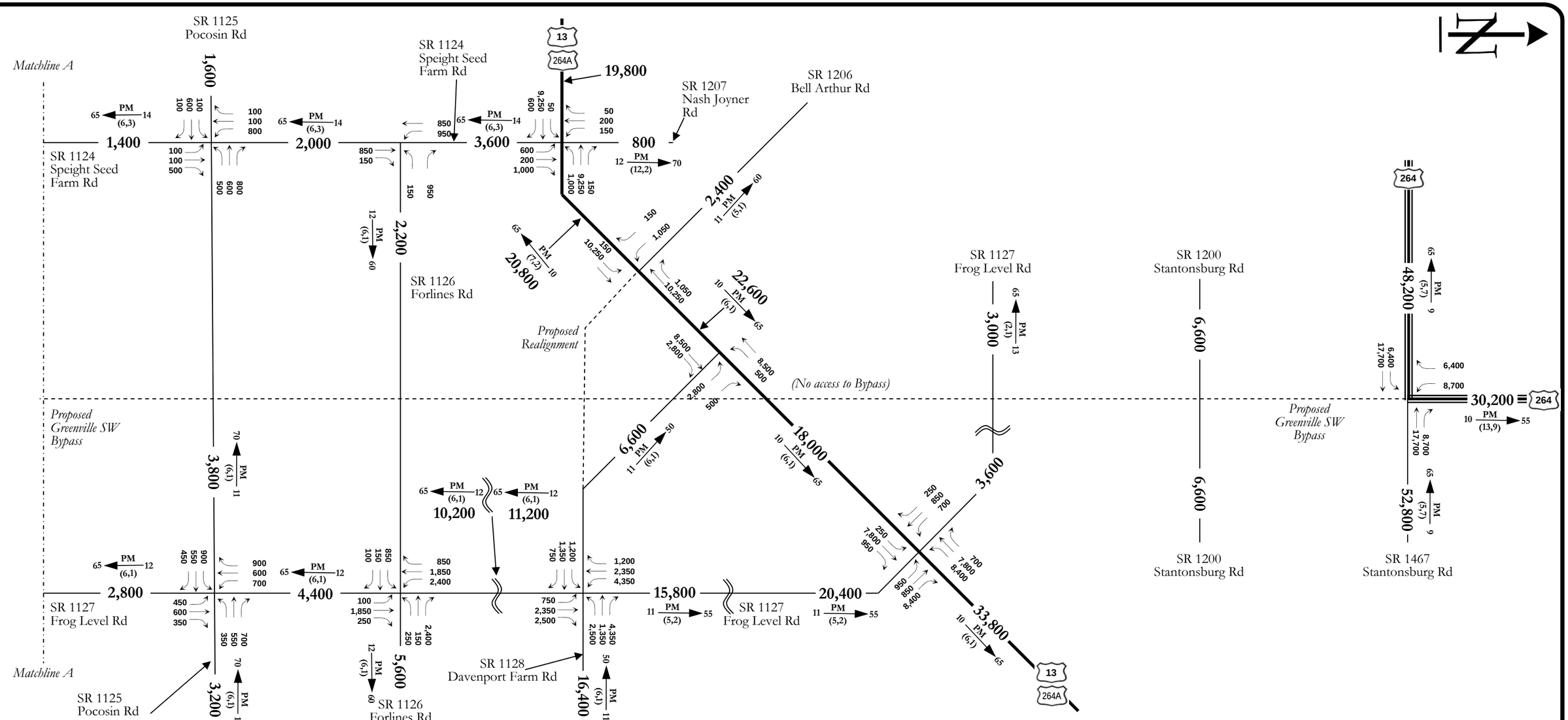

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TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

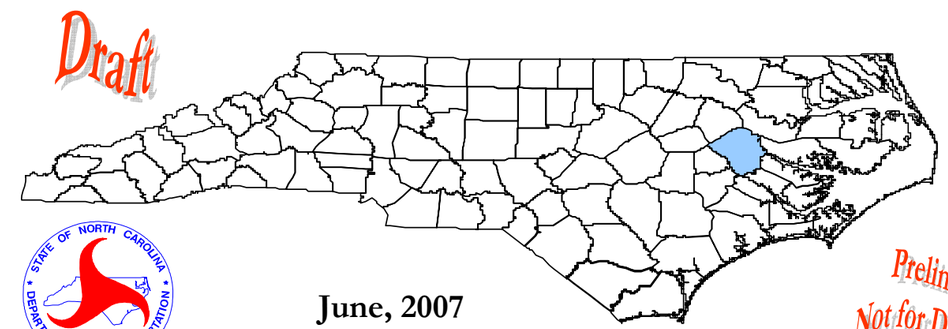
DIAGRAM 2c:
2030 NO-BUILD ALTERNATIVE
FORECAST VOLUMES

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D

Draft



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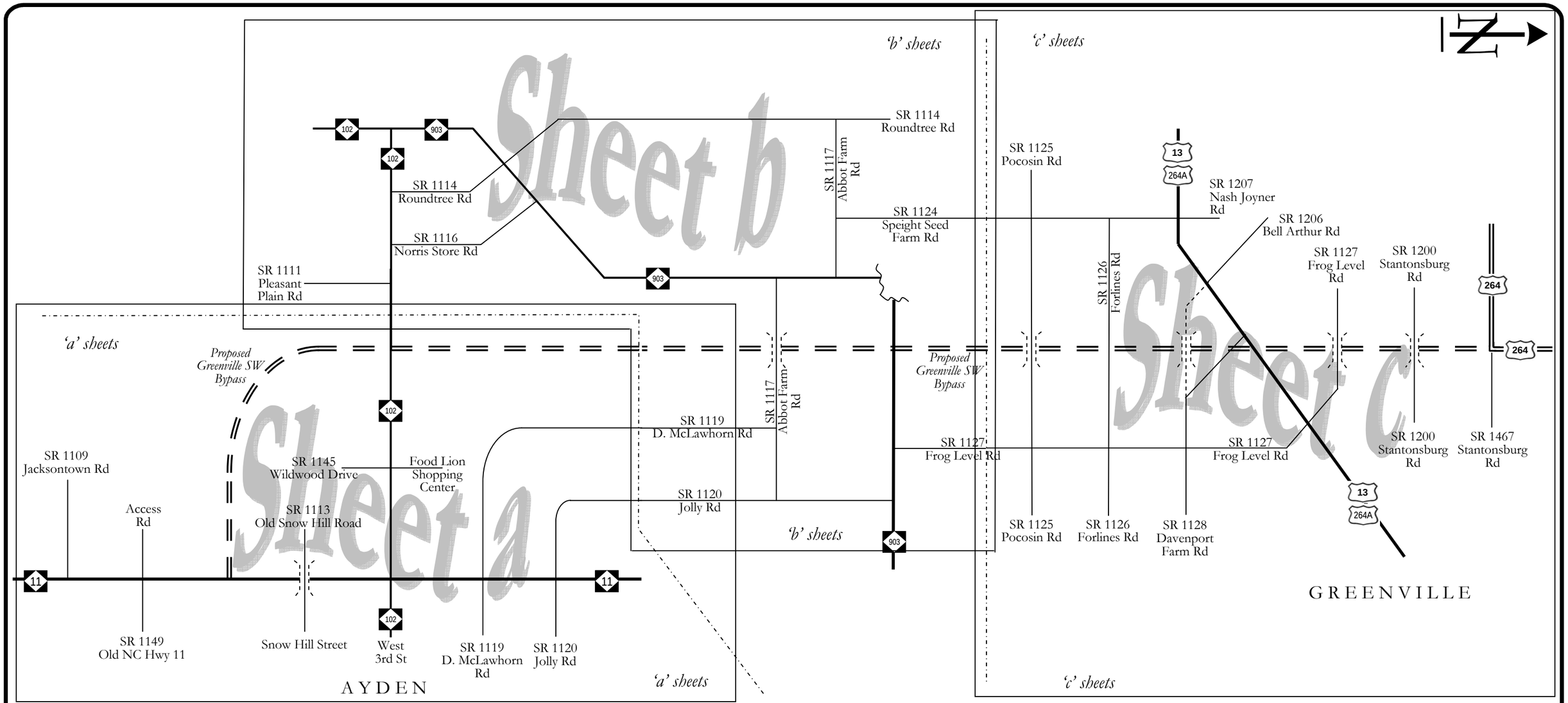

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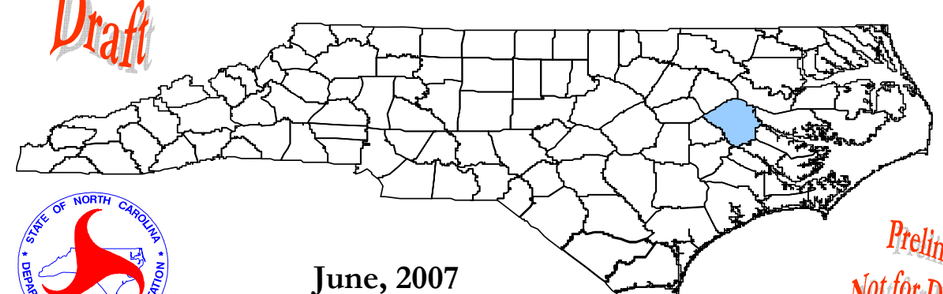
TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 3:
2030 BUILD ALTERNATIVE 1
FORECAST VOLUMES
(Overview Diagram)
with the Greenville Southwest Bypass Interchanage at NC 903

LEGEND

- Existing Road
- Proposed Road
- Proposed Grade Separation (without interchange)
- Matchline Between Sheets

Draft



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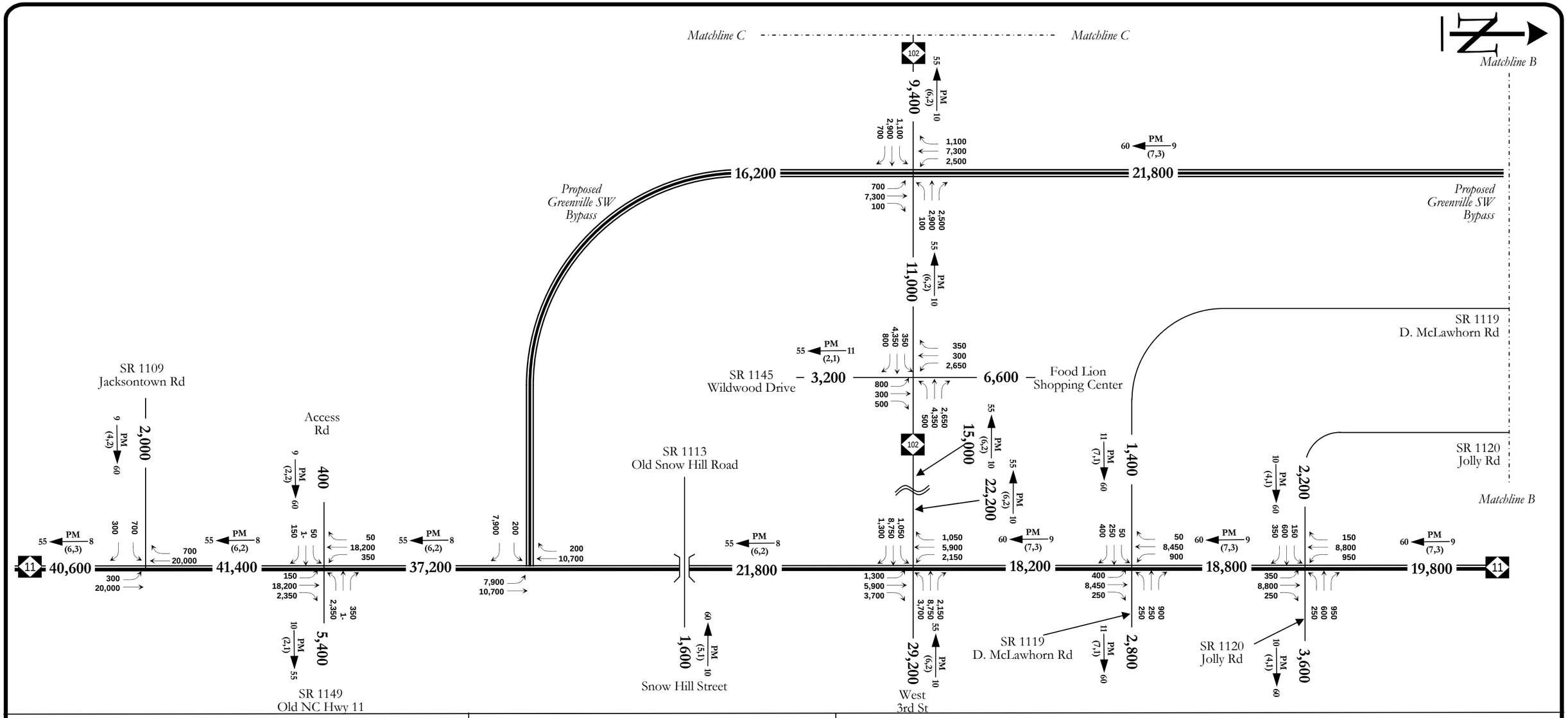

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PROJECT

TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

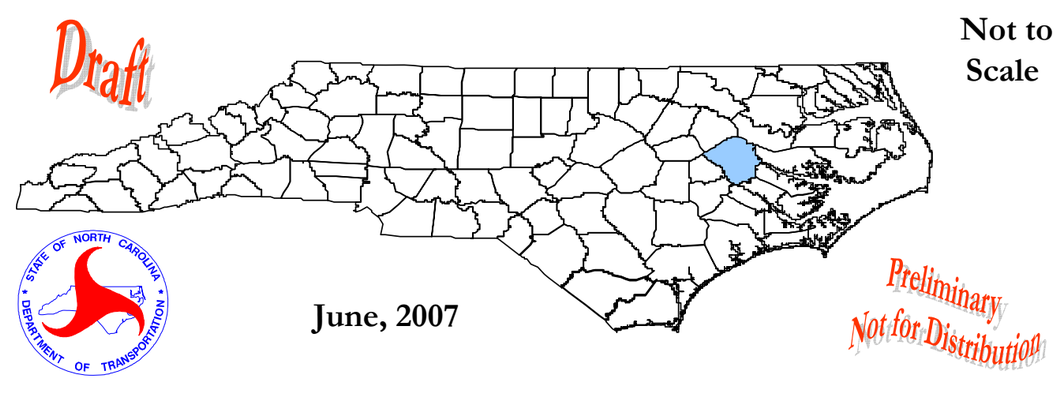

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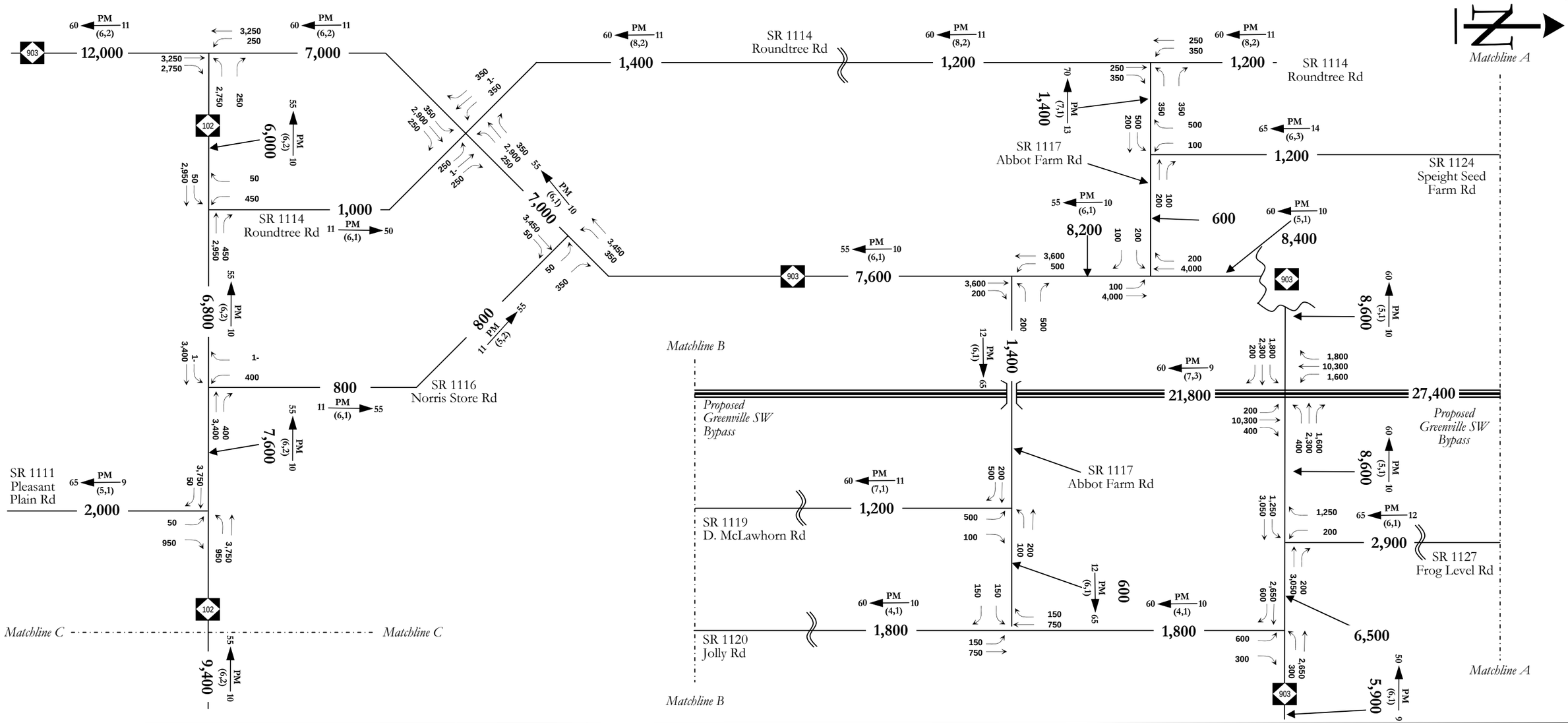
DIAGRAM 3a:
2030 BUILD ALTERNATIVE 1
FORECAST VOLUMES
with the Greenville Southwest Bypass
Interchange at NC 903

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D



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PROJECT

TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

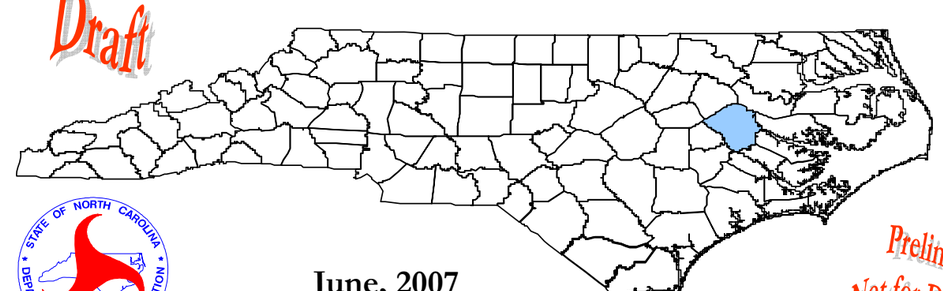
DIAGRAM 3b:
2030 BUILD ALTERNATIVE 1
FORECAST VOLUMES
with the Greenville Southwest Bypass
Interchange at NC 903

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D

Draft



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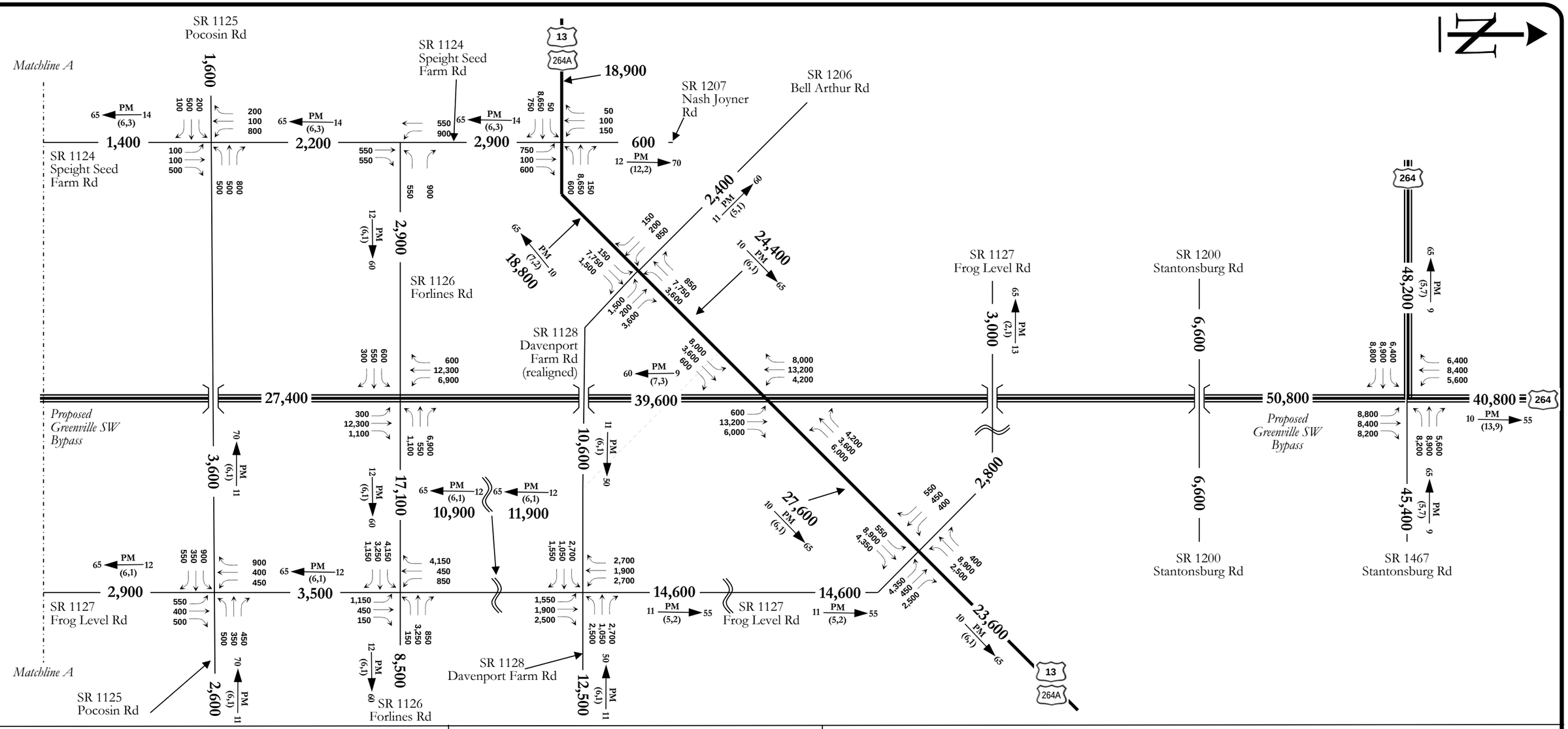

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TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 3c:
2030 BUILD ALTERNATIVE 1
FORECAST VOLUMES
with the Greenville Southwest Bypass
Interchange at NC 903

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV —PM (d, t)→ D

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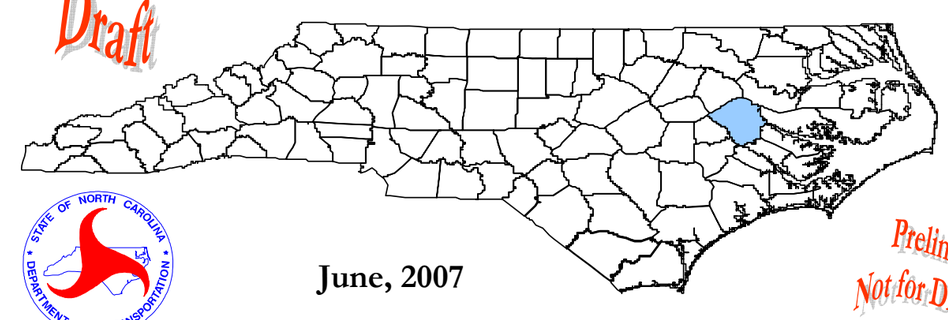

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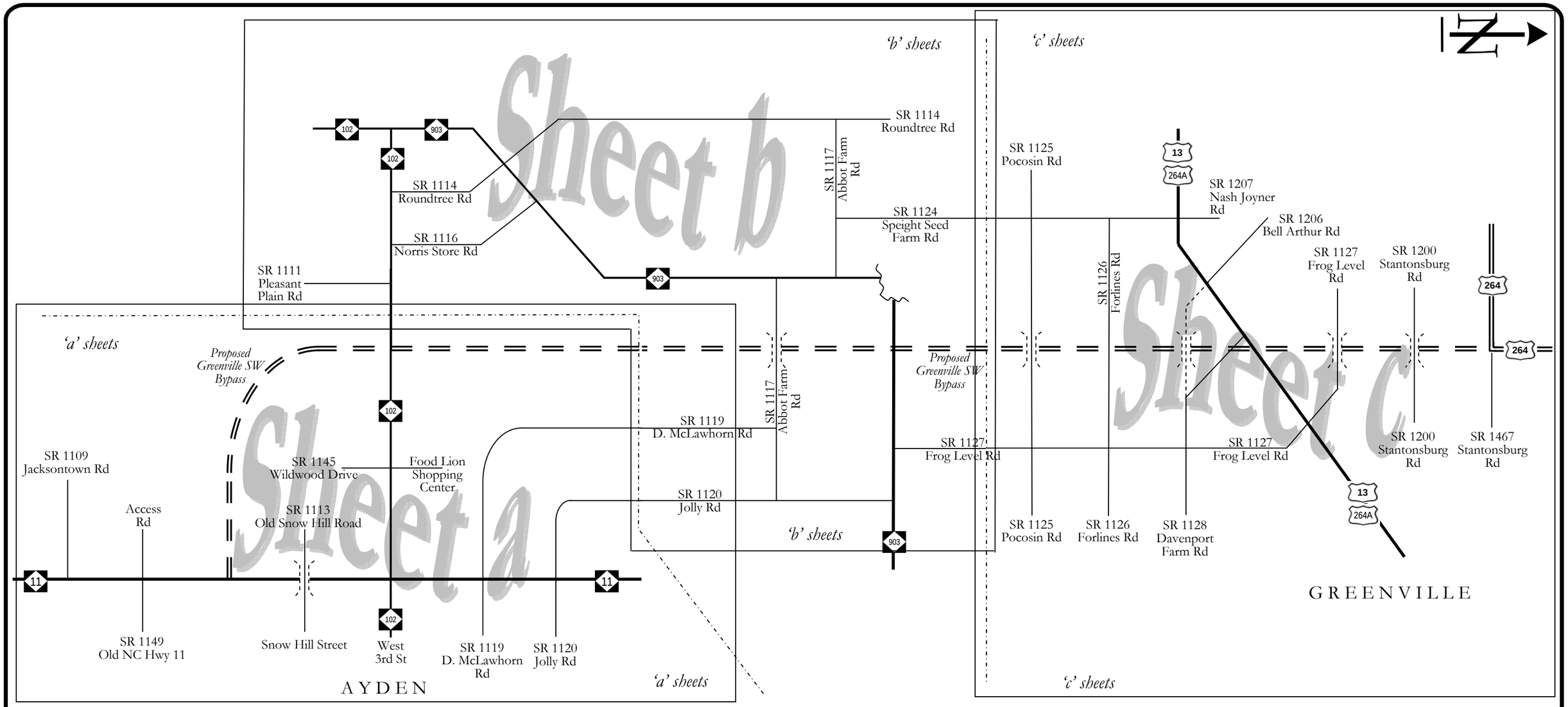

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PROJECT

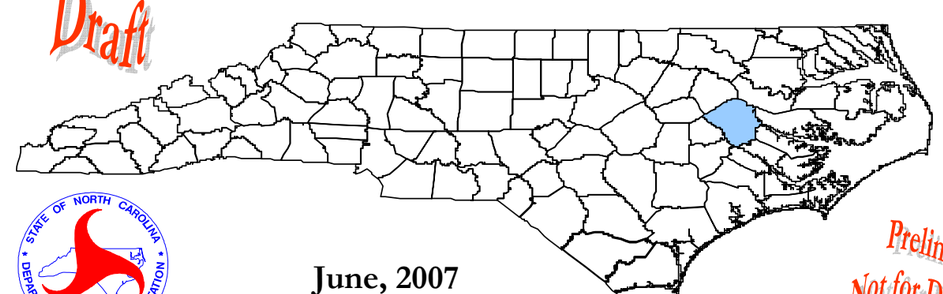
TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 4:
2030 BUILD ALTERNATIVE 2
FORECAST VOLUMES
(Overview Diagram)
without the Greenville Southwest Bypass Interchange at NC 903

LEGEND

- Existing Road
- Proposed Road
- Proposed Grade Separation (without interchange)
- Matchline Between Sheets

Draft



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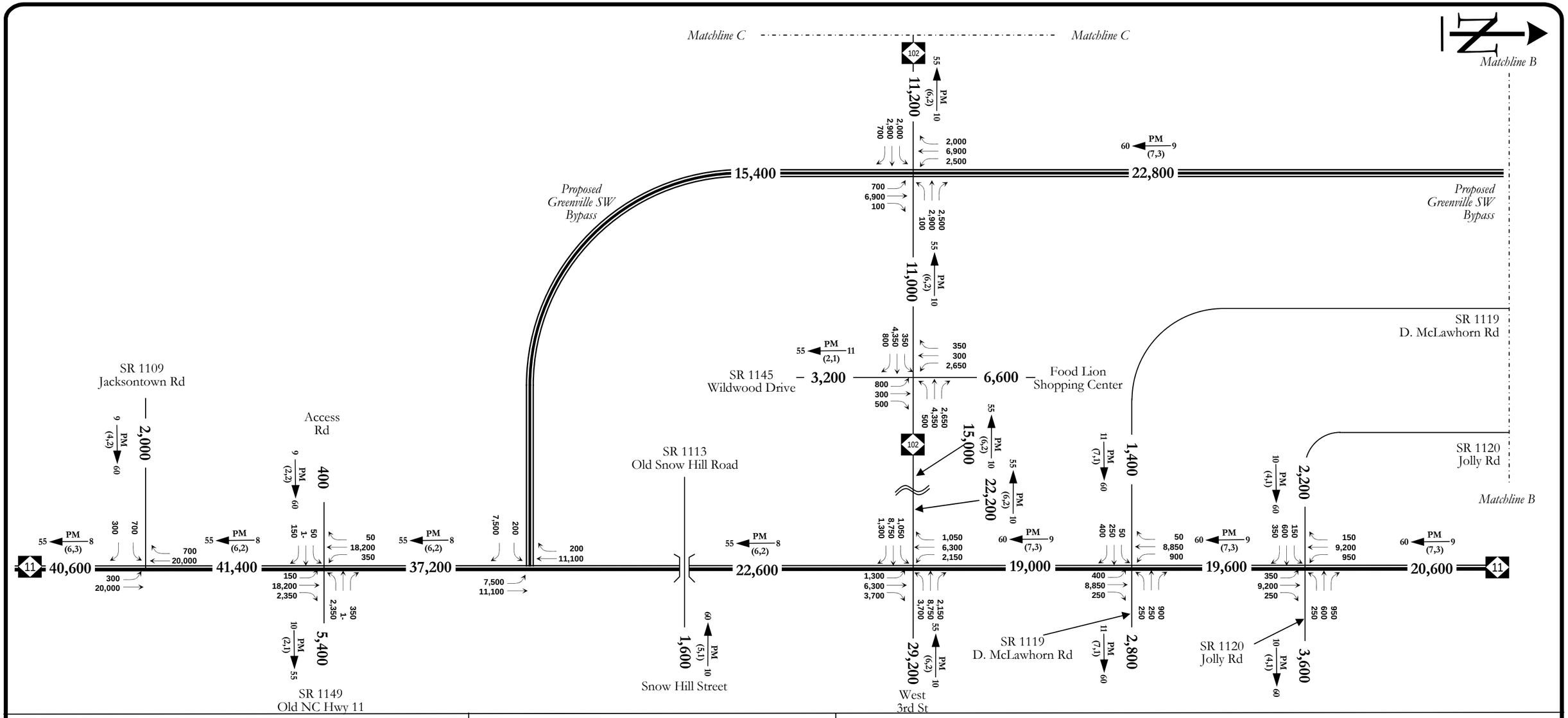

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PROJECT

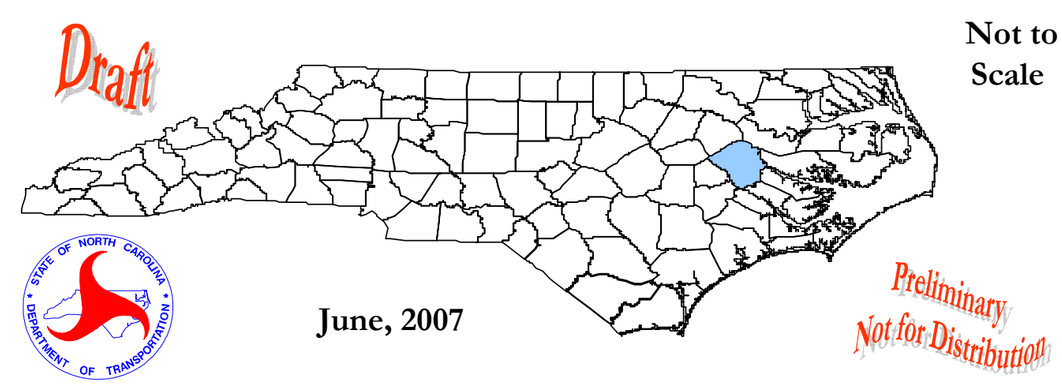
TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

DIAGRAM 4a:
2030 BUILD ALTERNATIVE 2
FORECAST VOLUMES
without the Greenville Southwest Bypass
Interchange at NC 903

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D



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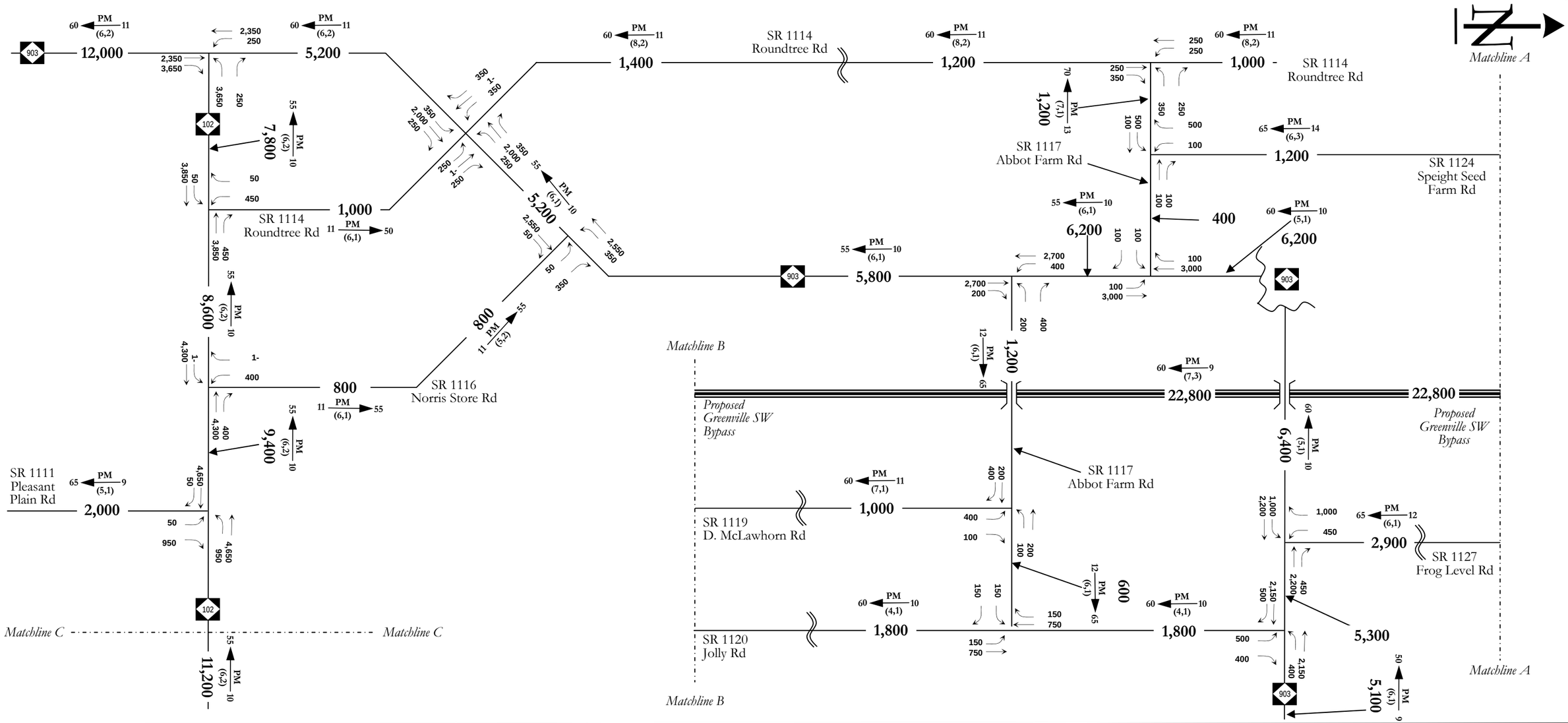

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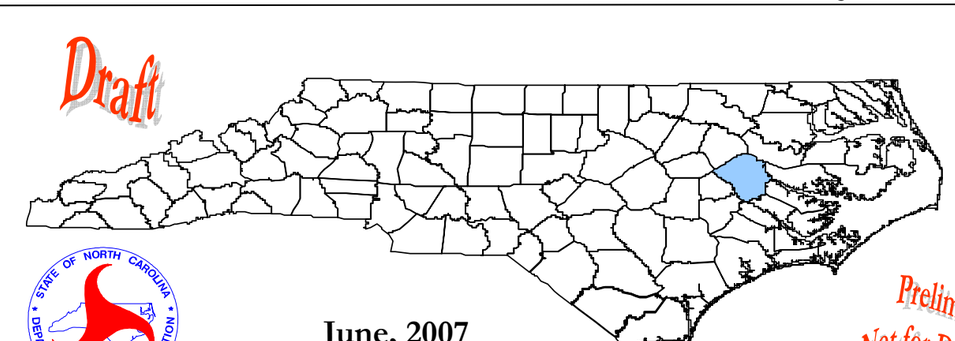
DIAGRAM 4b:
2030 BUILD ALTERNATIVE 2
FORECAST VOLUMES
without the Greenville Southwest Bypass
Interchange at NC 903

PROJECT
TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV —PM (d, t)→ D



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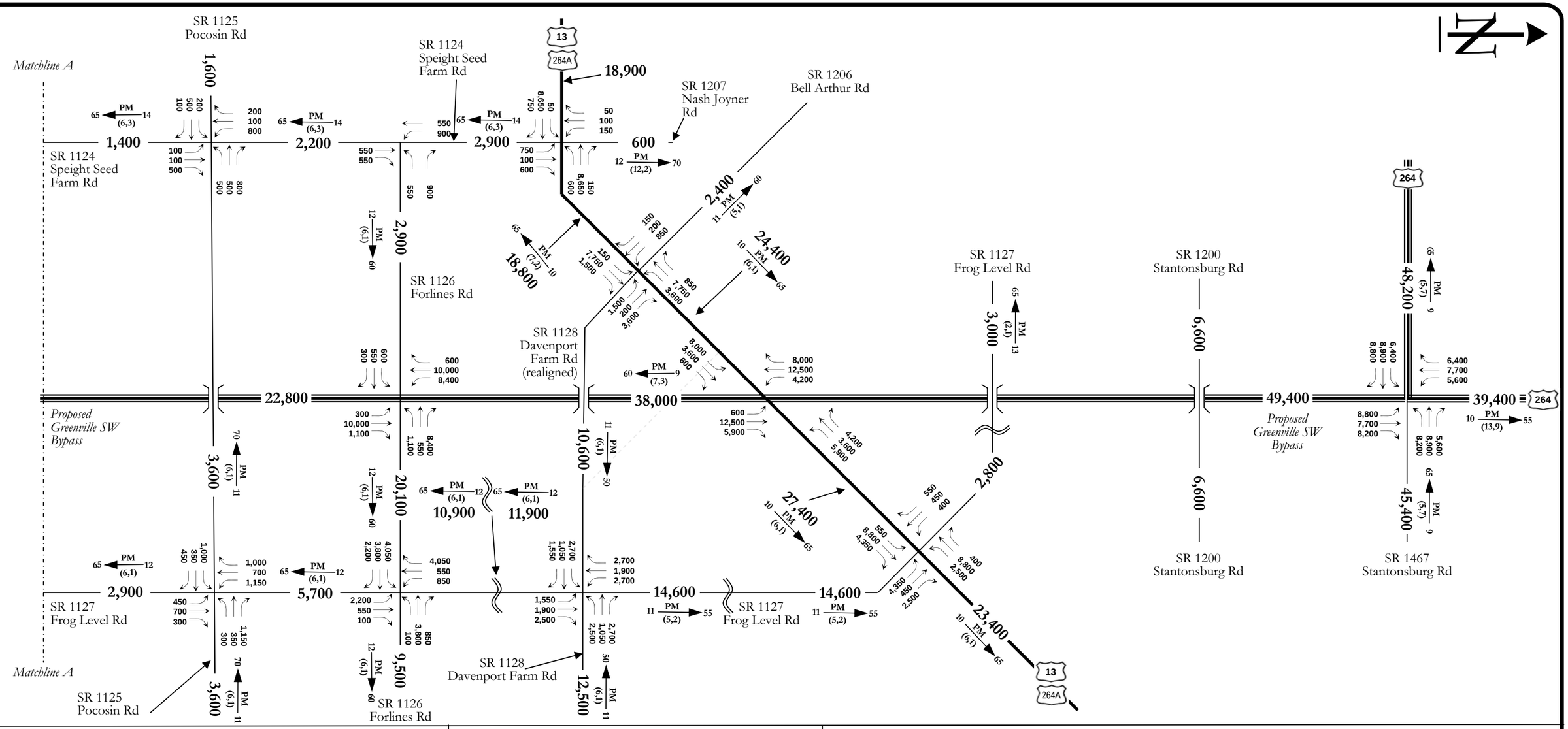

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PROJECT

TIP Project No. R-2250,
Greenville Southwest Bypass
NCDOT Division 2
Pitt County, North Carolina

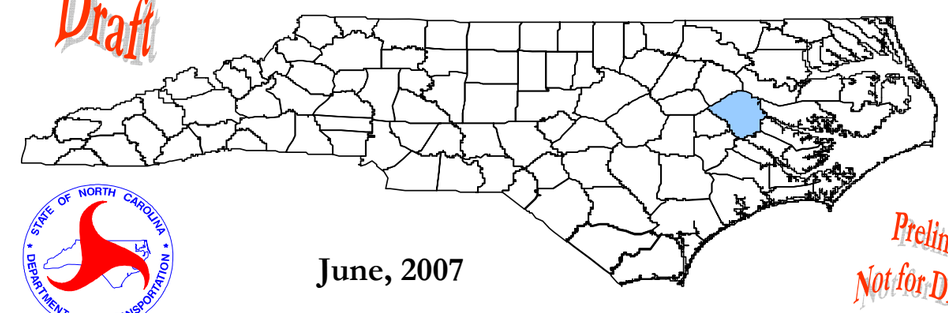
DIAGRAM 4c:
2030 BUILD ALTERNATIVE 2
FORECAST VOLUMES
without the Greenville Southwest Bypass
Interchange at NC 903

LEGEND

1- = LESS THAN 100 VEHICLES
DHV = DESIGN HOURLY VOLUME (%) = K30
K30 = 30th HIGHEST HOURLY VOLUME
PM = PM PEAK PERIOD
D = DIRECTIONAL SPLIT (%)
INDICATES DIRECTION OF D
REVERSE FOR AM PEAK
(d,t) DUALS, TT-ST'S (%)

DHV — PM (d, t) → D

Draft



Not to Scale

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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Preliminary
Not for Distribution