# MD 22 Corridor Study

## Final Report












September 2012

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®

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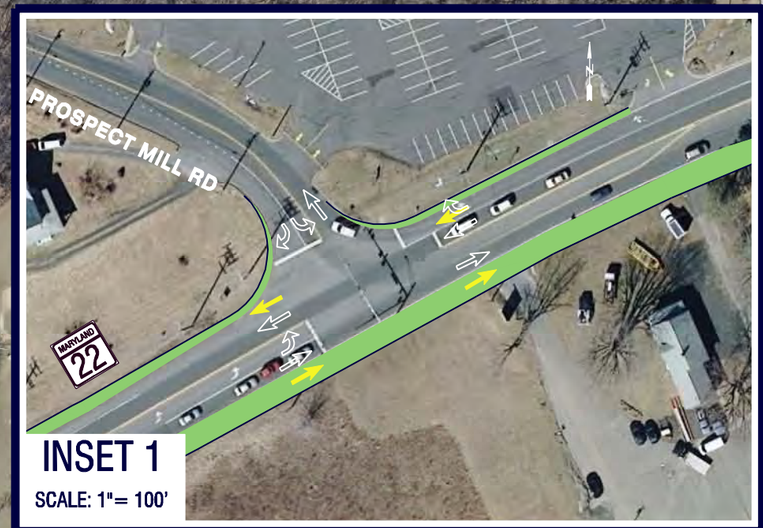
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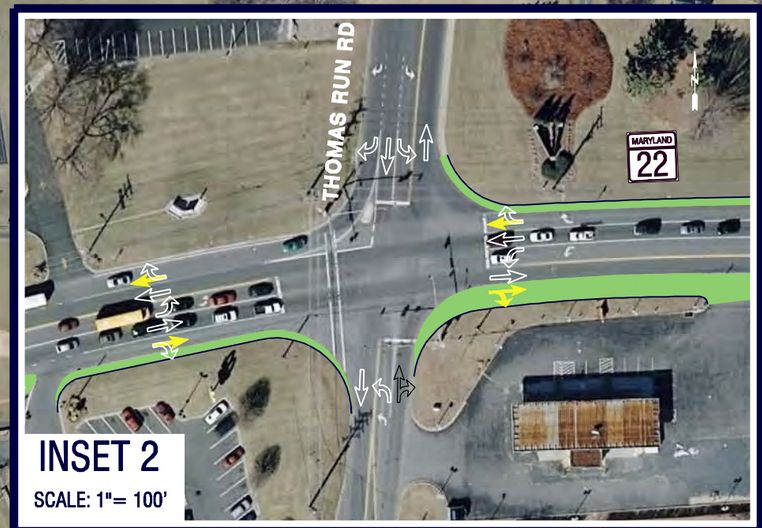
# Appendix A:

## Short Term Improvement Enlargements




INSET 1

SCALE: 1"= 100'




INSET 2

SCALE: 1"= 100'

THOMAS RUN RD

PROSPECT MILL RD

SEE INSET 1

SEE INSET 2

SCHUCKS RD

MARYLAND 22

MARYLAND 22

## LEGEND

EXISTING LANE CONFIGURATION

PROPOSED LANE CONFIGURATION

PROPOSED WIDENING

# MARYLAND 22

MD 22 / PROSPECT MILL RD / THOMAS RUN RD / SCHUCKS RD PROPOSED GEOMETRIC IMPROVEMENTS

| SCALE: 1"= 300' | | 8/12 |
|---|---|---|

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MARYLAND 22

HOSPITALITY WAY

MD 132 A BEARDS HILL RD

NE RD

SEE INSET

MARYLAND 22

MD 132 A BEARDS HILL RD

INSET
SCALE: 1"= 100'

## LEGEND

- EXISTING LANE CONFIGURATION
- PROPOSED LANE CONFIGURATION
- PROPOSED WIDENING

# MARYLAND 22

## MD 22 / MD 132A BEARDS HILL RD PROPOSED GEOMETRIC IMPROVEMENTS

| SCALE: 1"= 200' | | 8/12 |
|---|---|---|

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MARYLAND 22

MD 22 / MD 462 (PARADISE RD)
PROPOSED
GEOMETRIC IMPROVEMENTS

| SCALE: 1"= 200' | | 8/12 |
|---|---|---|

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MARYLAND 22

MD 22 / N POST RD
PROPOSED
GEOMETRIC IMPROVEMENTS

| SCALE: 1"= 200' | | 8/12 |
|---|---|---|

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MARYLAND 22

MD 22 / N POST RD TO RESEARCH BLVD
PROPOSED AM PEAK HOV LANE

| SCALE: 1"= 300' | | 8/12 |
|---|---|---|

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# Appendix B:

## Medium Term Improvement Enlargements




# MARYLAND 22

## MARYLAND 543 INTERSECTION IMPROVEMENTS MEDIUM TERM

| SCALE: 1" = 100' | | 8/12 |
|---|---|---|

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# MARYLAND 22

WIDENING TO FOUR LANES FROM EAST OF THOMAS RUN RD TO EAST OF CAMPUS HILL SHOPPING CENTER

| SCALE: 1"= 150' | | 8/12 |
|---|---|---|

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## LEGEND

- EXISTING LANE CONFIGURATION
- PROPOSED LANE CONFIGURATION
- PROPOSED IMPROVEMENTS
- PROPOSED CURB SECTION

MARYLAND 22

ENTRANCE CONSOLIDATION
BETWEEN THOMAS RUN RD AND
HARFORD COMMUNITY COLLEGE

| SCALE: 1" = 100' | | 8/12 |
|---|---|---|

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# MARYLAND 22

## MARYLAND 136 / MARYLAND 155 ALTERNATIVE A

| SCALE: 1"= 200' | | 8/12 |
|---|---|---|

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MARYLAND 136

MARYLAND 155

MARYLAND 22

MARYLAND 22

MARYLAND 136

## LEGEND

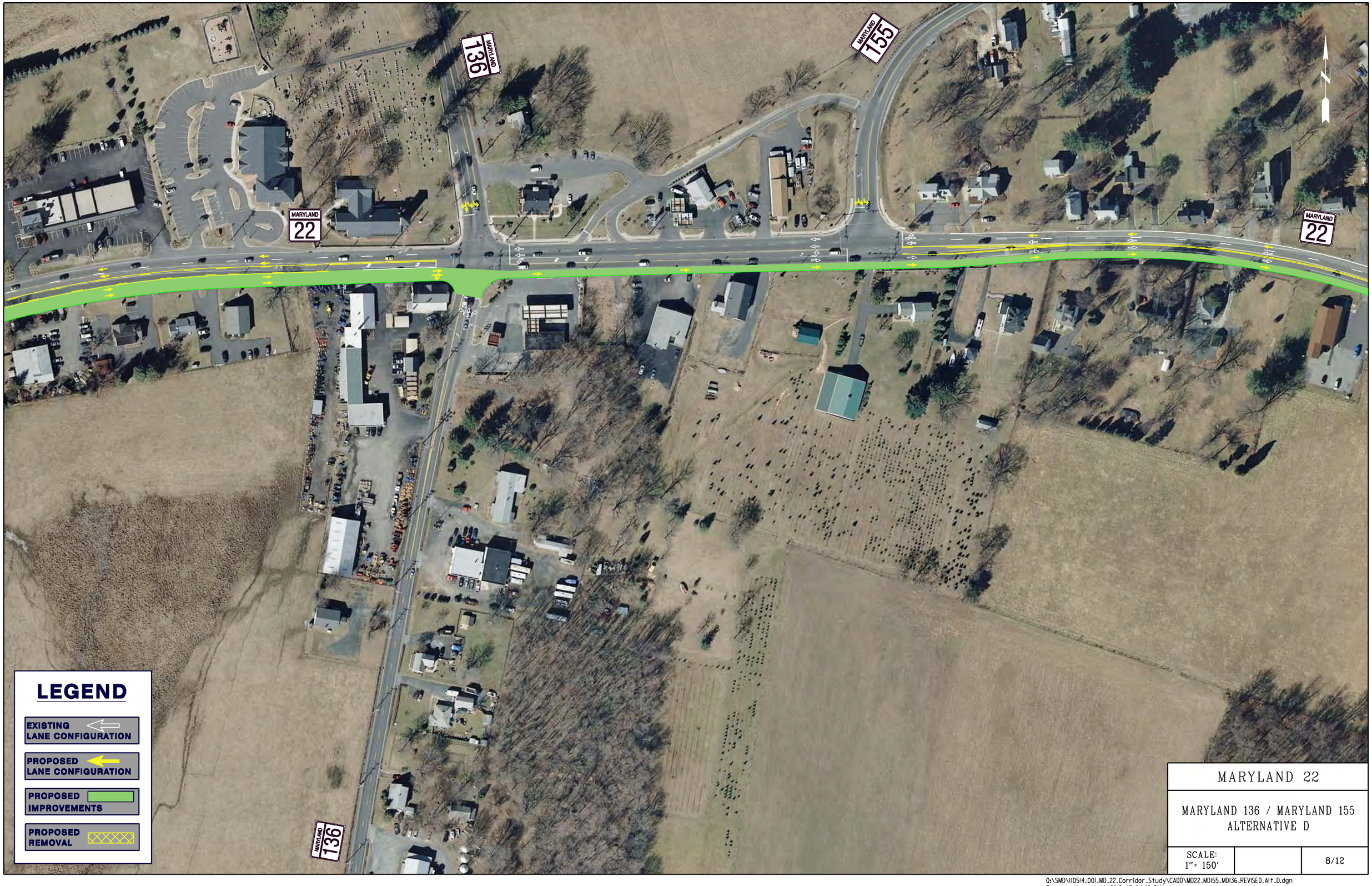
- EXISTING LANE CONFIGURATION
- PROPOSED LANE CONFIGURATION
- PROPOSED IMPROVEMENTS
- PROPOSED REMOVAL

# MARYLAND 22

## MARYLAND 136 / MARYLAND 155
## ALTERNATIVE B

| SCALE: 1" = 150' | | 8/12 |
|---|---|---|

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# MARYLAND 22

## MARYLAND 136 / MARYLAND 155 ALTERNATIVE D

| SCALE: 1" = 150' | | 8/12 |
|---|---|---|

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MARYLAND 22

MD 22 BYPASS
ALTERNATIVE E

| SCALE: 1"= 650' | | 8/12 |
|---|---|---|

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MARYLAND 22

ADDITIONAL ENTRANCE TO BEARDS HILL PLAZA

| SCALE: 1" = 100' | | 8/12 |
|---|---|---|

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MARYLAND 22

WIDENING TO SIX LANES
BEARDS HILL RD
TO PARADISE ROAD

| SCALE: 1" = 150' | | 8/12 |
|---|---|---|

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# MARYLAND 22

## WIDENING TO SIX LANES
## PARADISE RD
## TO US 40

| SCALE: 1"= 200' | | 8/12 |
|---|---|---|

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# Appendix C:

## Long Term Improvement Enlargements




MARYLAND 22

WIDENING TO FOUR LANES FROM EAST OF MD 543 TO WEST OF PROSPECT MILL RD

| SCALE: 1" = 400' | | 8/12 |
|---|---|---|

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# MARYLAND 22

## ALTERNATIVE A
## PROSPECT MILL RD/THOMAS RUN RD CONNECTION

| SCALE: 1"= 300' | | 8/12 |
|---|---|---|

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MARYLAND 22

ALTERNATIVE B
PROSPECT MILL RD/SCHUCKS RD CONNECTION

| SCALE: 1" = 150' | | 8/12 |
|---|---|---|

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THOMAS RUN RD

MARYLAND 22

MARYLAND 22

SCHUCKS RD

## LEGEND

EXISTING LANE CONFIGURATION

PROPOSED LANE CONFIGURATION

PROPOSED IMPROVEMENTS

MARYLAND 22

INTERSECTION WIDENING AT THOMAS RUN RD / SCHUCKS RD ALTERNATIVE C

| SCALE: 1" = 100' | | 8/12 |
|---|---|---|

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# MARYLAND 22

## MARYLAND 156 PROPOSED REALIGNMENT

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|---|---|---|

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MARYLAND 22

US 40 INTERCHANGE

| SCALE: 1" = 150' | | 8/12 |
|---|---|---|

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# MARYLAND 22

## MD 22 / N POST RD TO APG ENTRANCE GATE PROPOSED 3 LANE WIDENING

| SCALE: 1" = 300' | | 8/12 |
|---|---|---|

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# Appendix D:
## Alternatives Considered and Dropped




MARYLAND 22

MARYLAND 136 / MARYLAND 155
ALTERNATIVE C
(CONSIDERED AND DROPPED)

| SCALE: 1"= 200' | | 8/12 |
|---|---|---|

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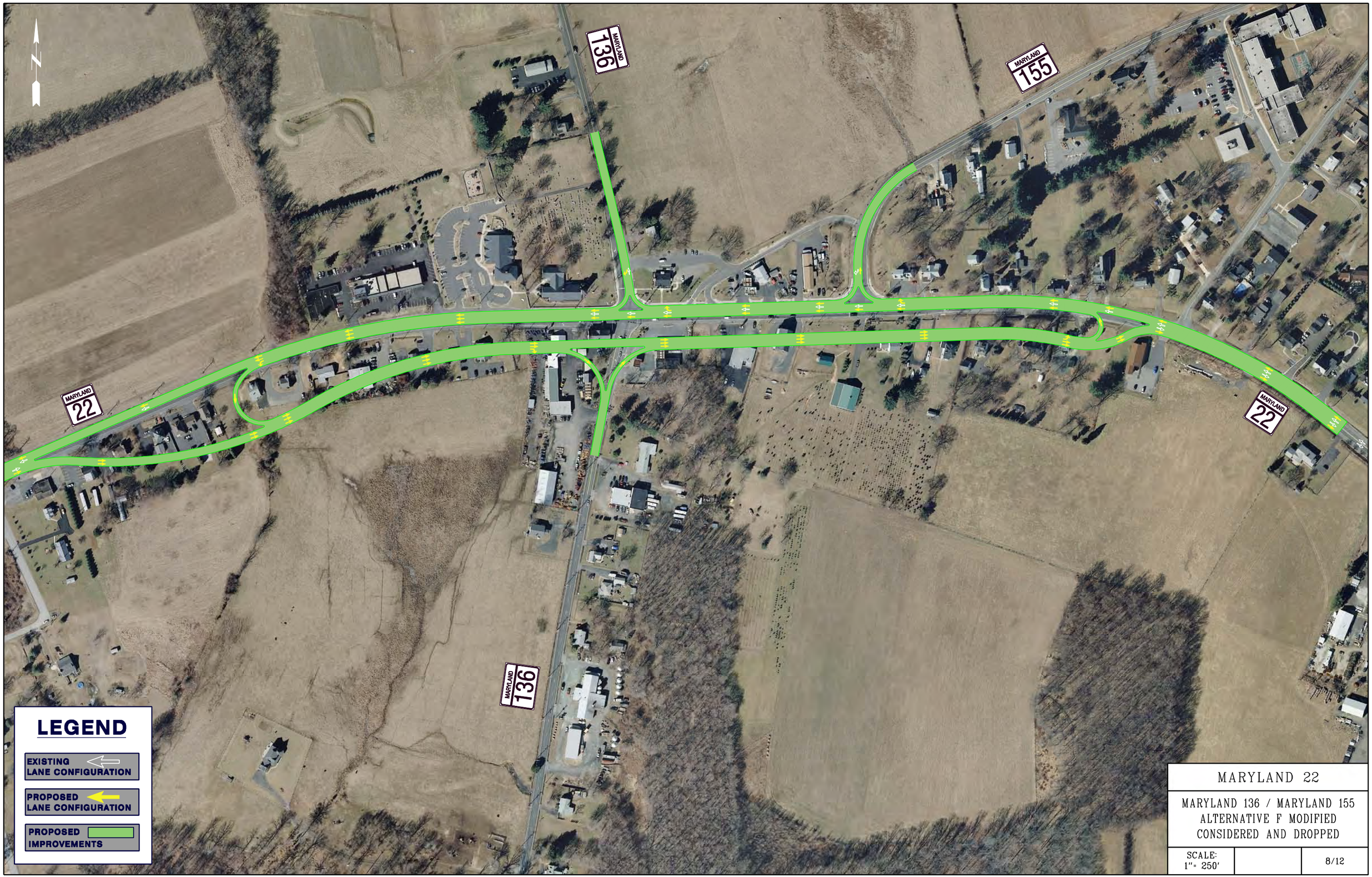



# MARYLAND 22

## MARYLAND 136 / MARYLAND 155
## ALTERNATIVE F
## CONSIDERED AND DROPPED

| SCALE: 1" = 150' | | 8/12 |
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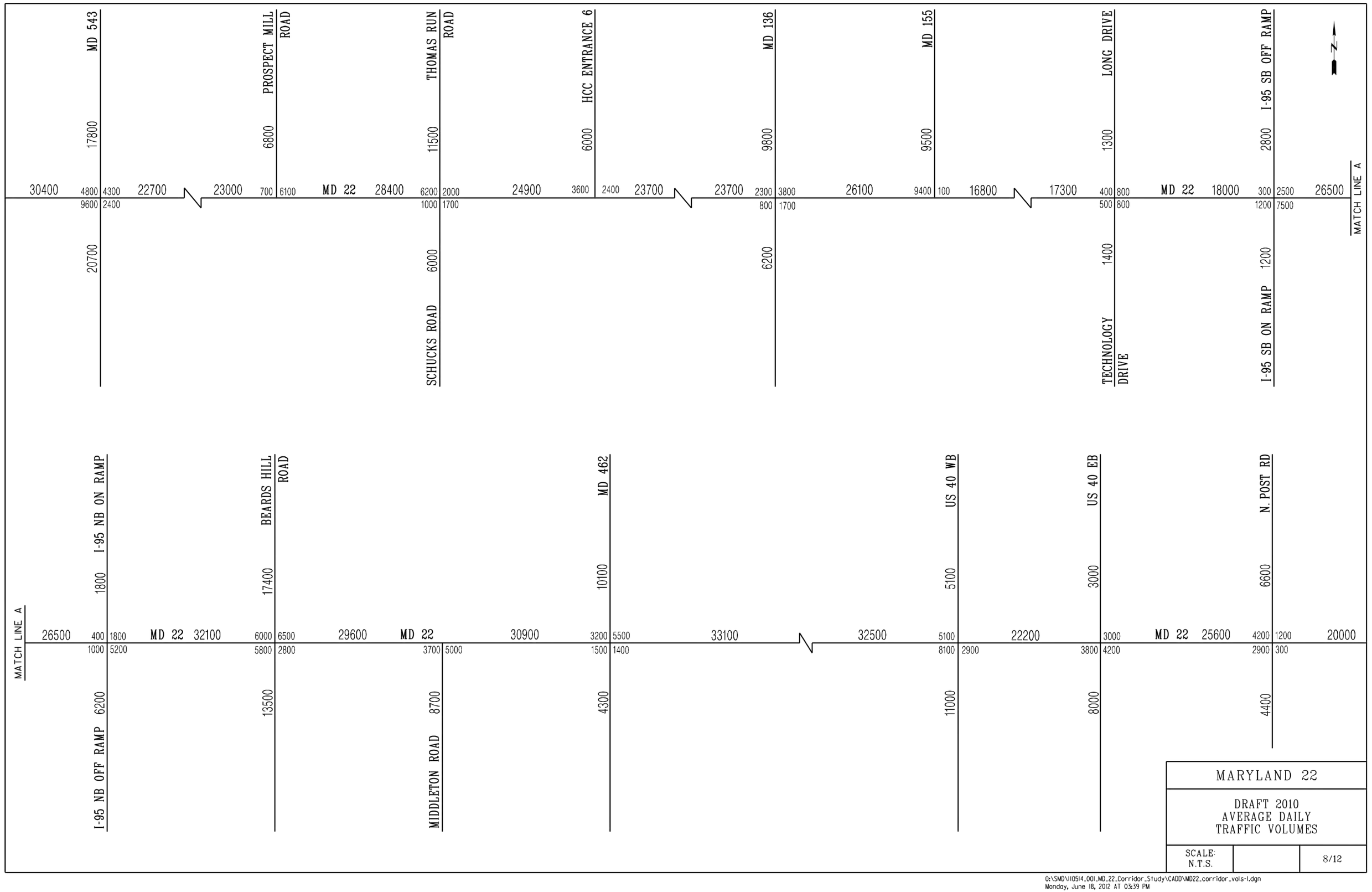

MARYLAND 22

MARYLAND 136 / MARYLAND 155
ALTERNATIVE F MODIFIED
CONSIDERED AND DROPPED

| SCALE: 1"= 250' | | 8/12 |
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# Appendix E:
## Traffic Information



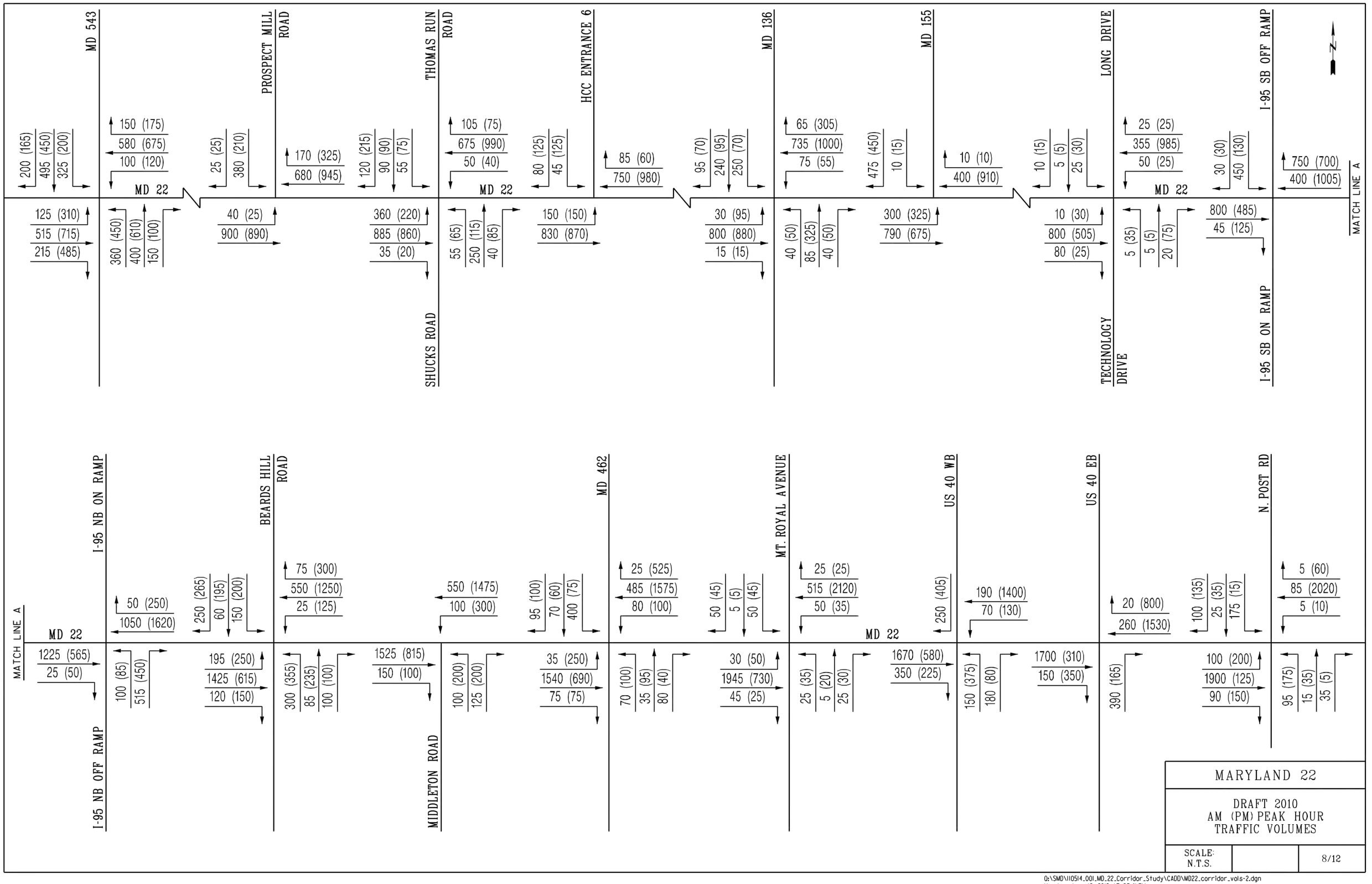

# MARYLAND 22

## DRAFT 2010 AVERAGE DAILY TRAFFIC VOLUMES

SCALE: N.T.S.

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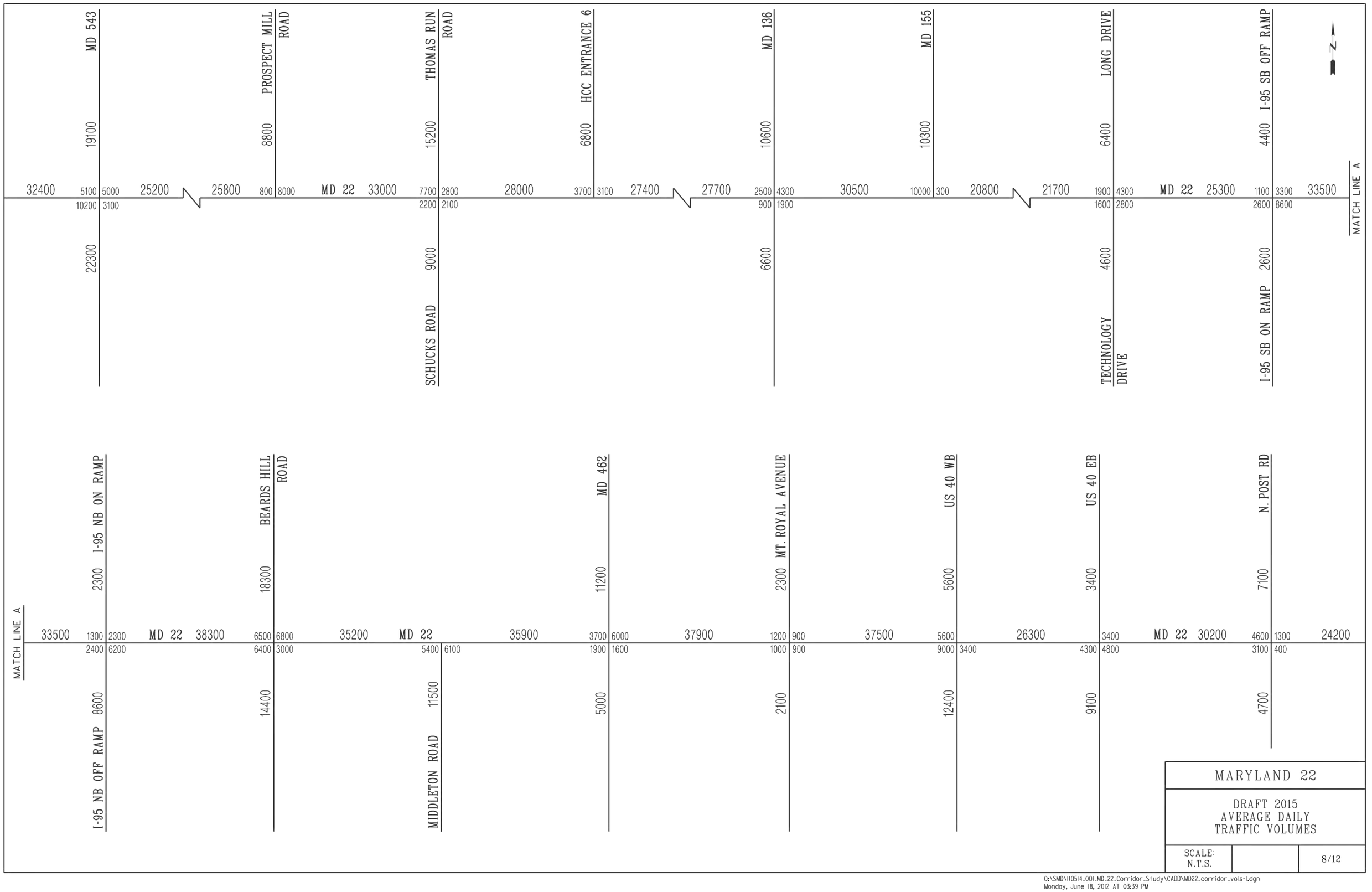

MARYLAND 22

DRAFT 2010
AM (PM) PEAK HOUR
TRAFFIC VOLUMES

SCALE: N.T.S.

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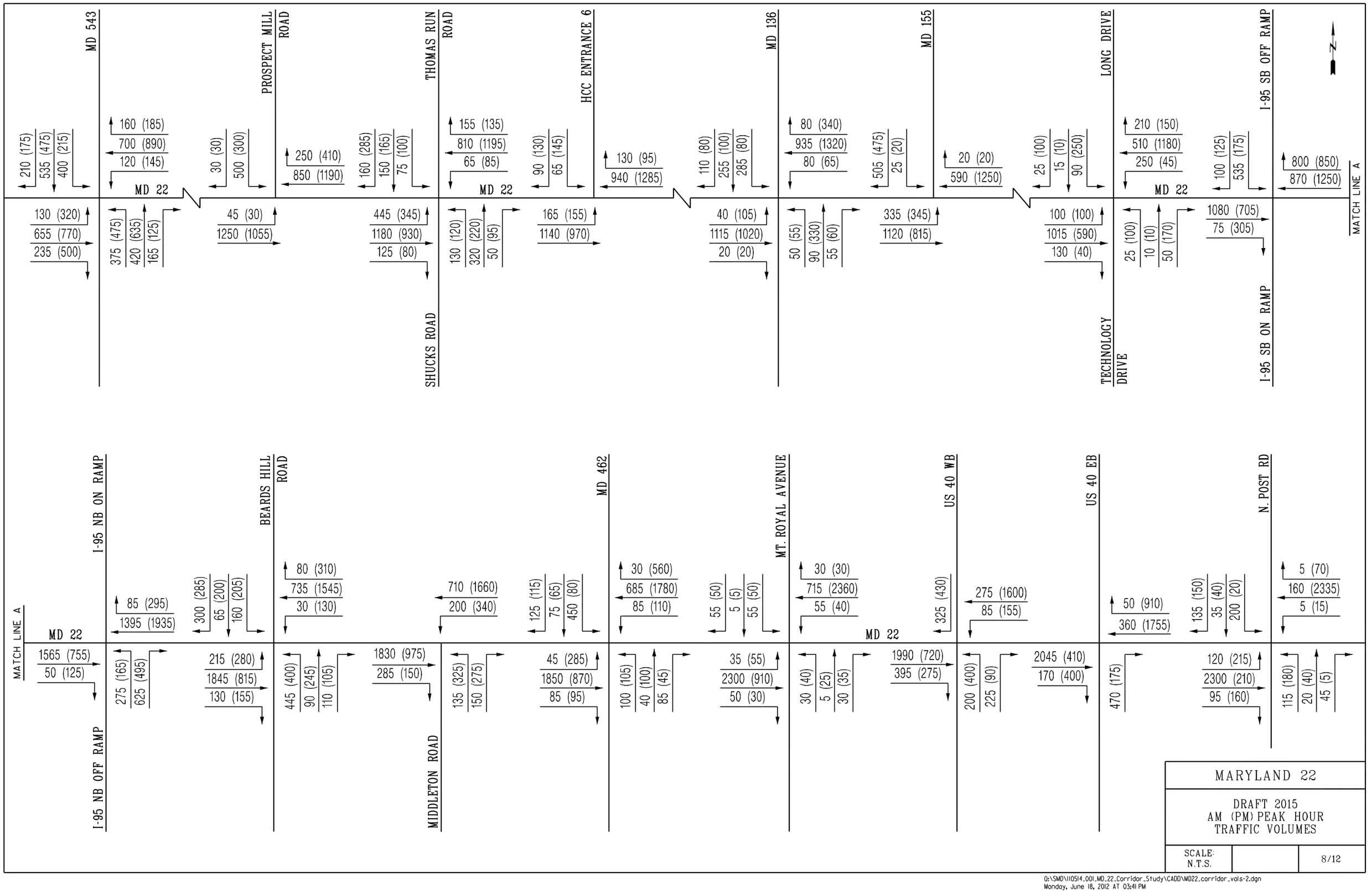

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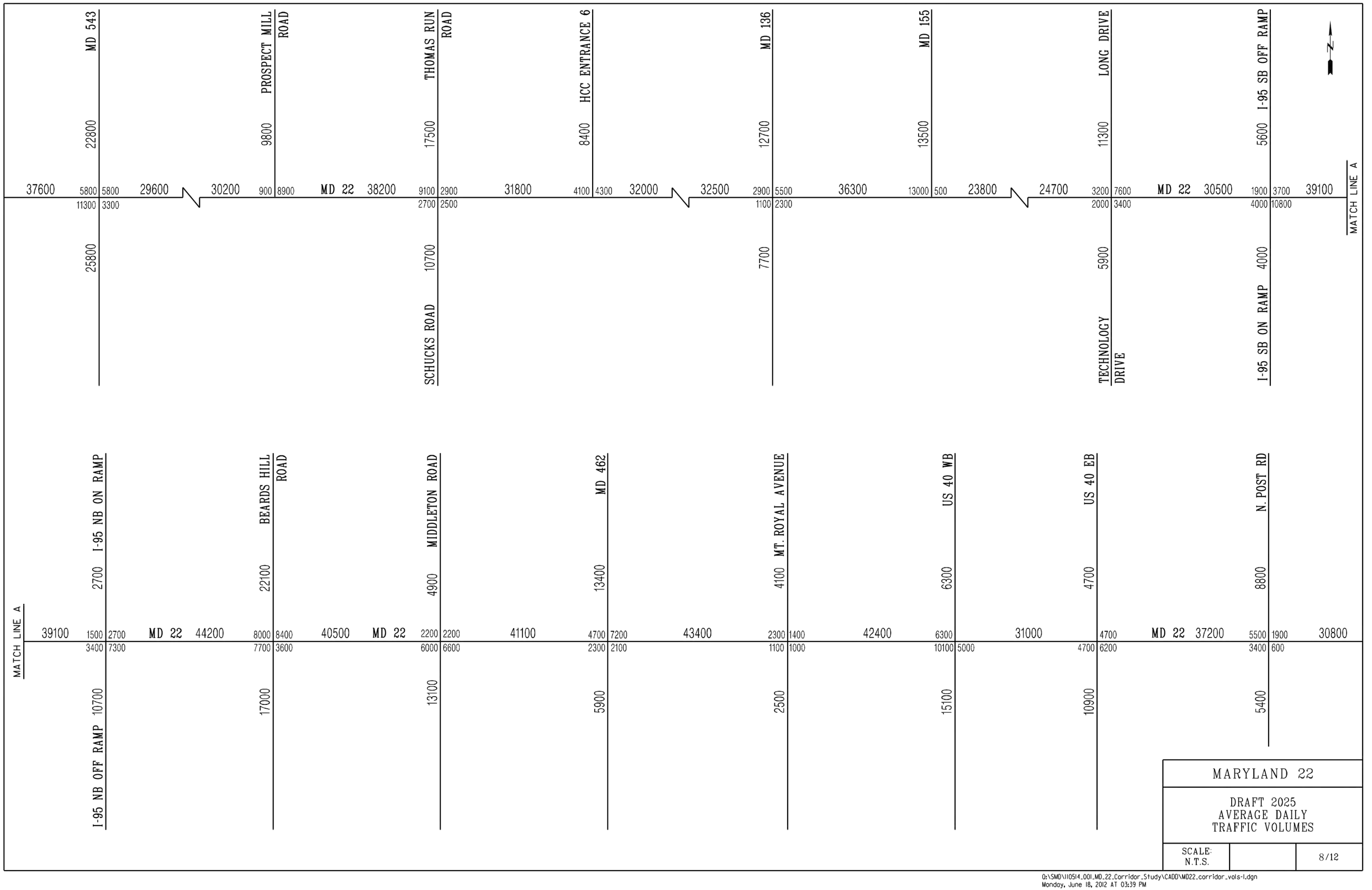

MARYLAND 22

DRAFT 2015
AM (PM) PEAK HOUR
TRAFFIC VOLUMES

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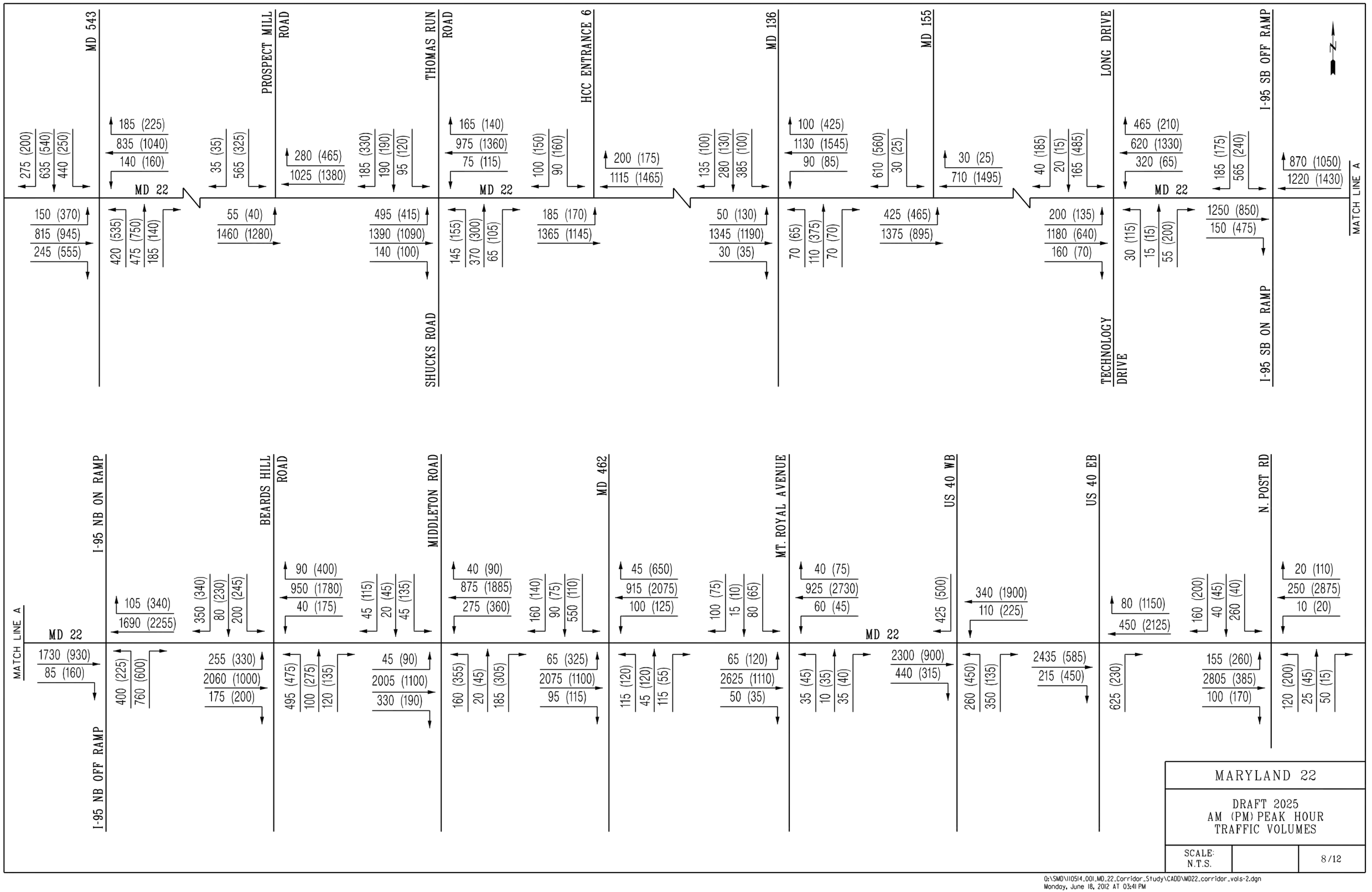

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MARYLAND 22

DRAFT 2025
AM (PM) PEAK HOUR
TRAFFIC VOLUMES

SCALE: N.T.S.

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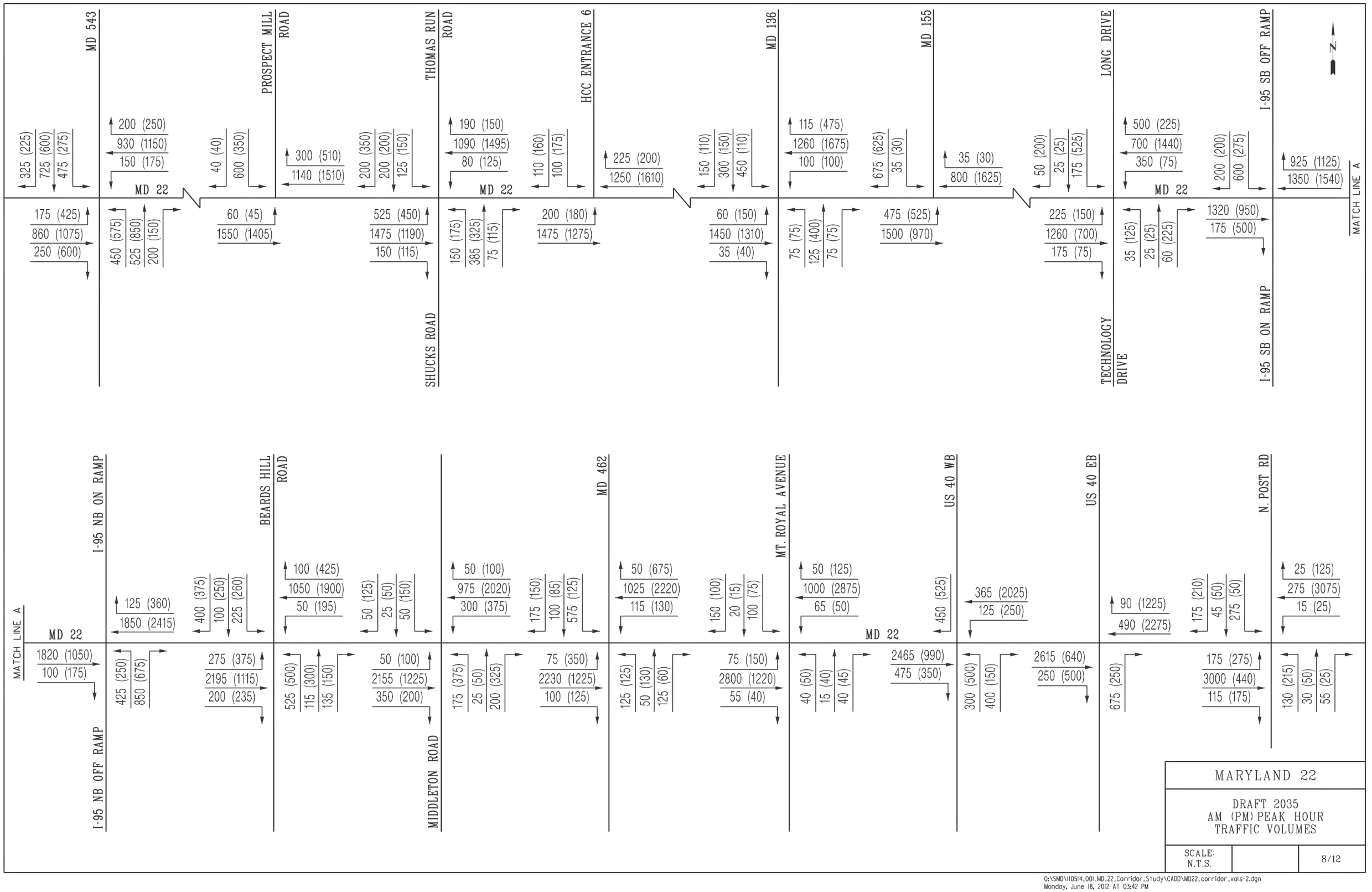

MARYLAND 22

DRAFT 2035
AVERAGE DAILY
TRAFFIC VOLUMES

SCALE:
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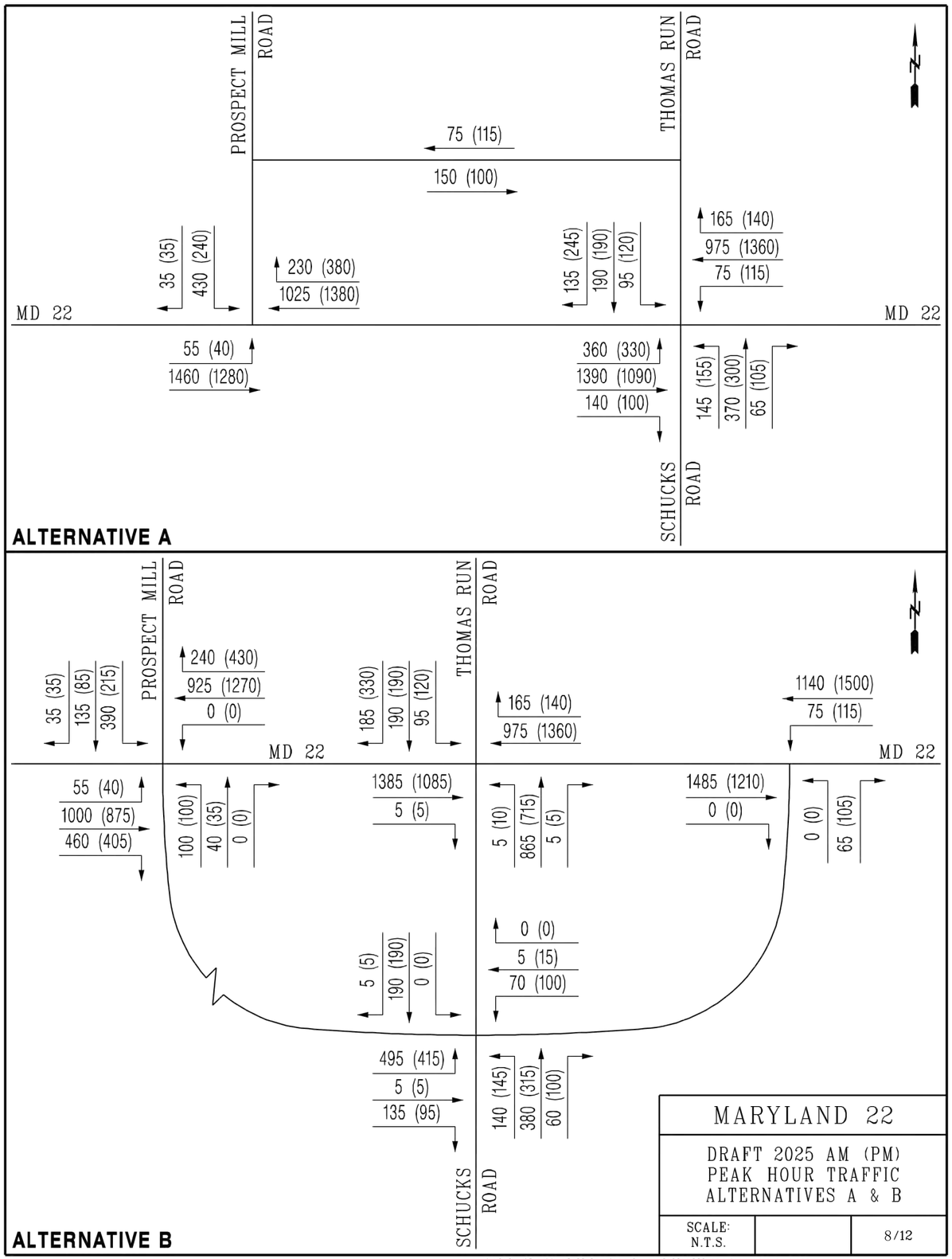

# MARYLAND 22

## DRAFT 2035 AM (PM) PEAK HOUR TRAFFIC VOLUMES

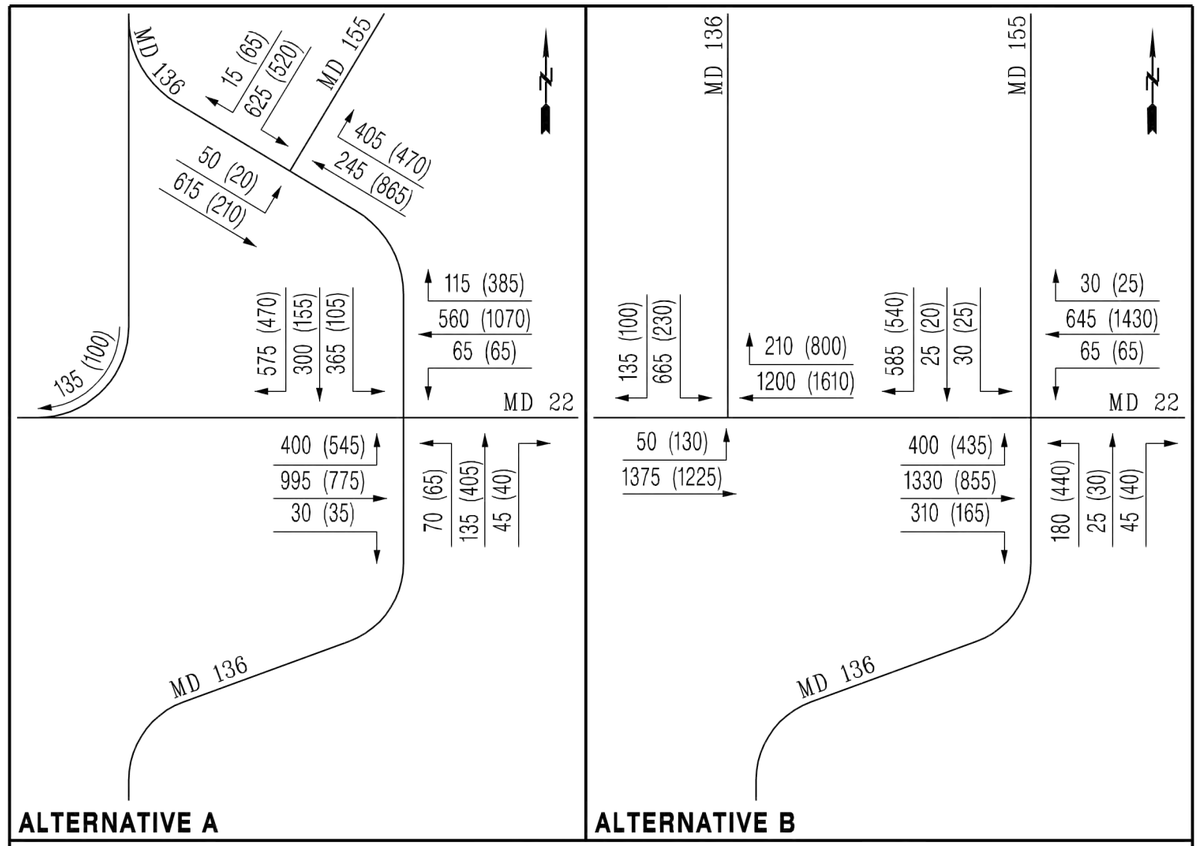
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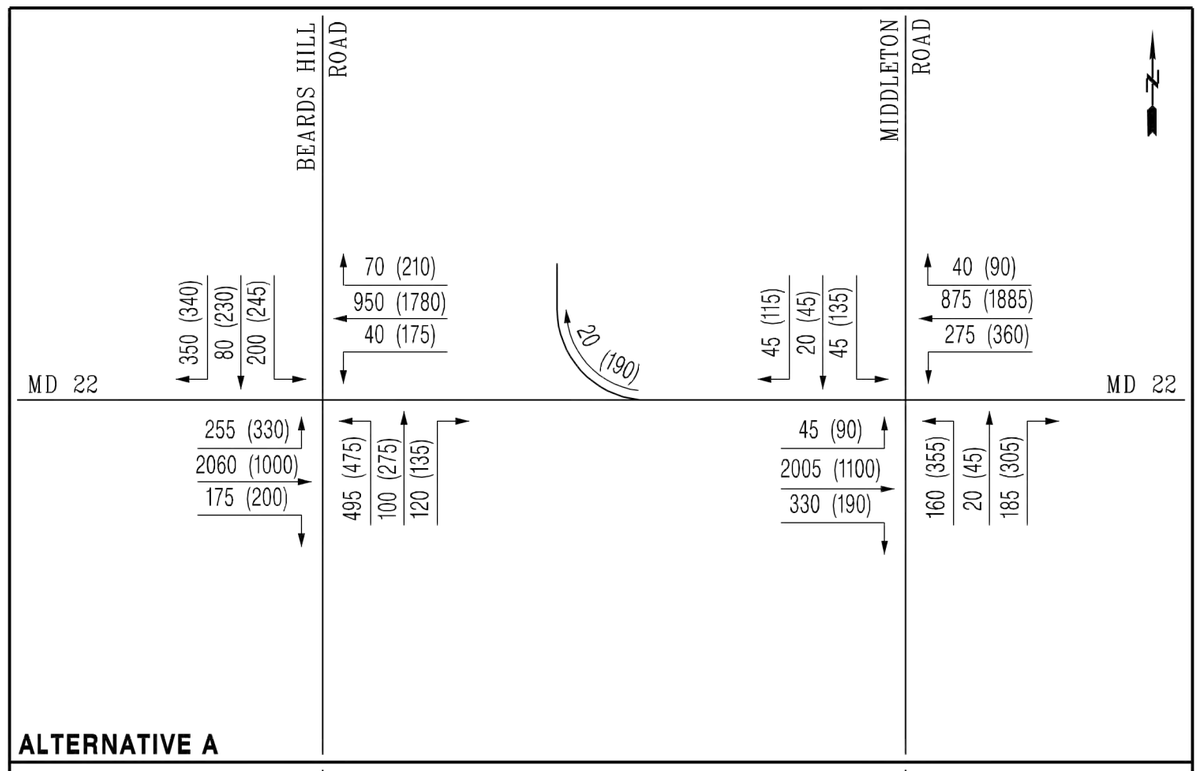
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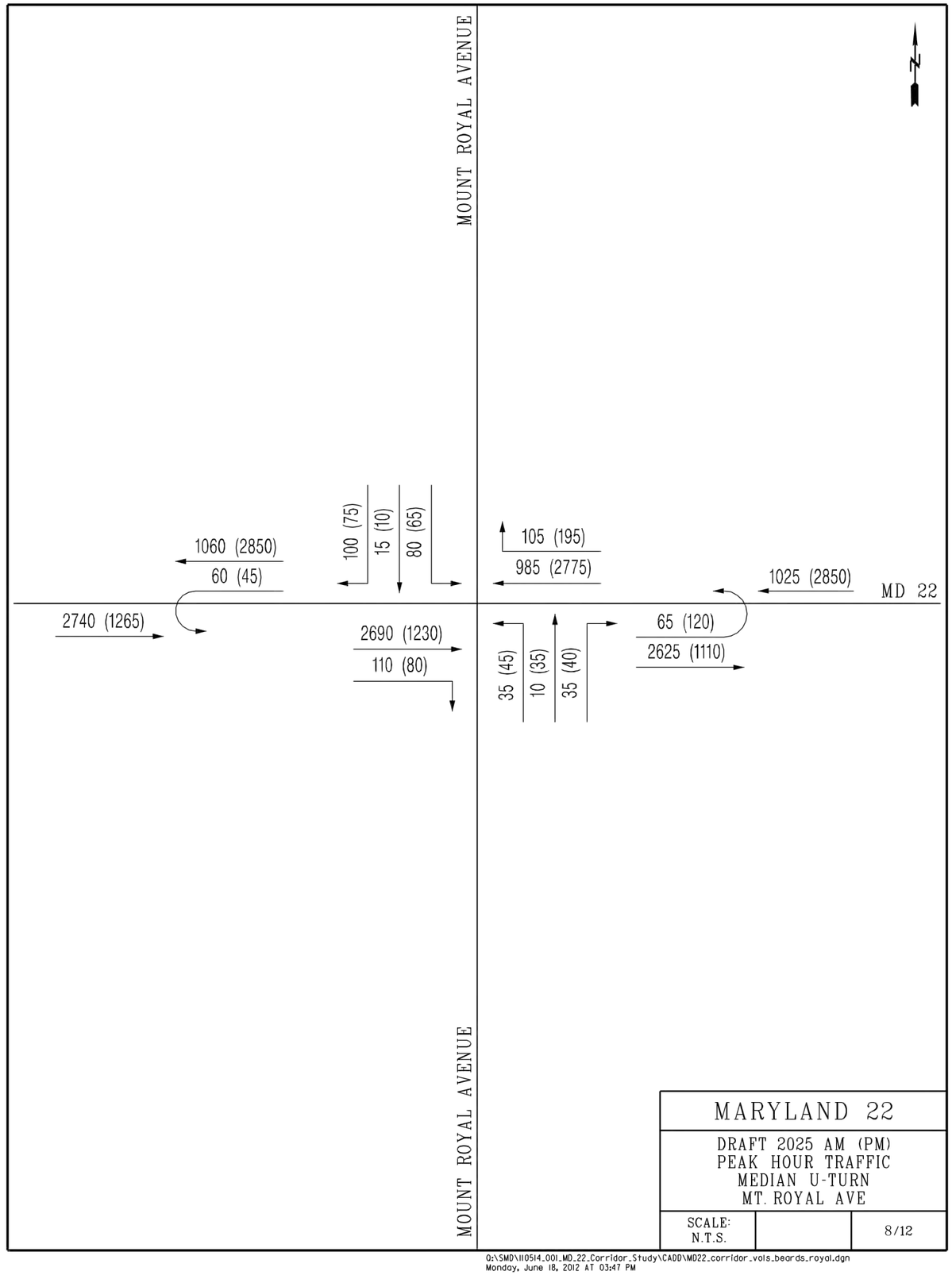

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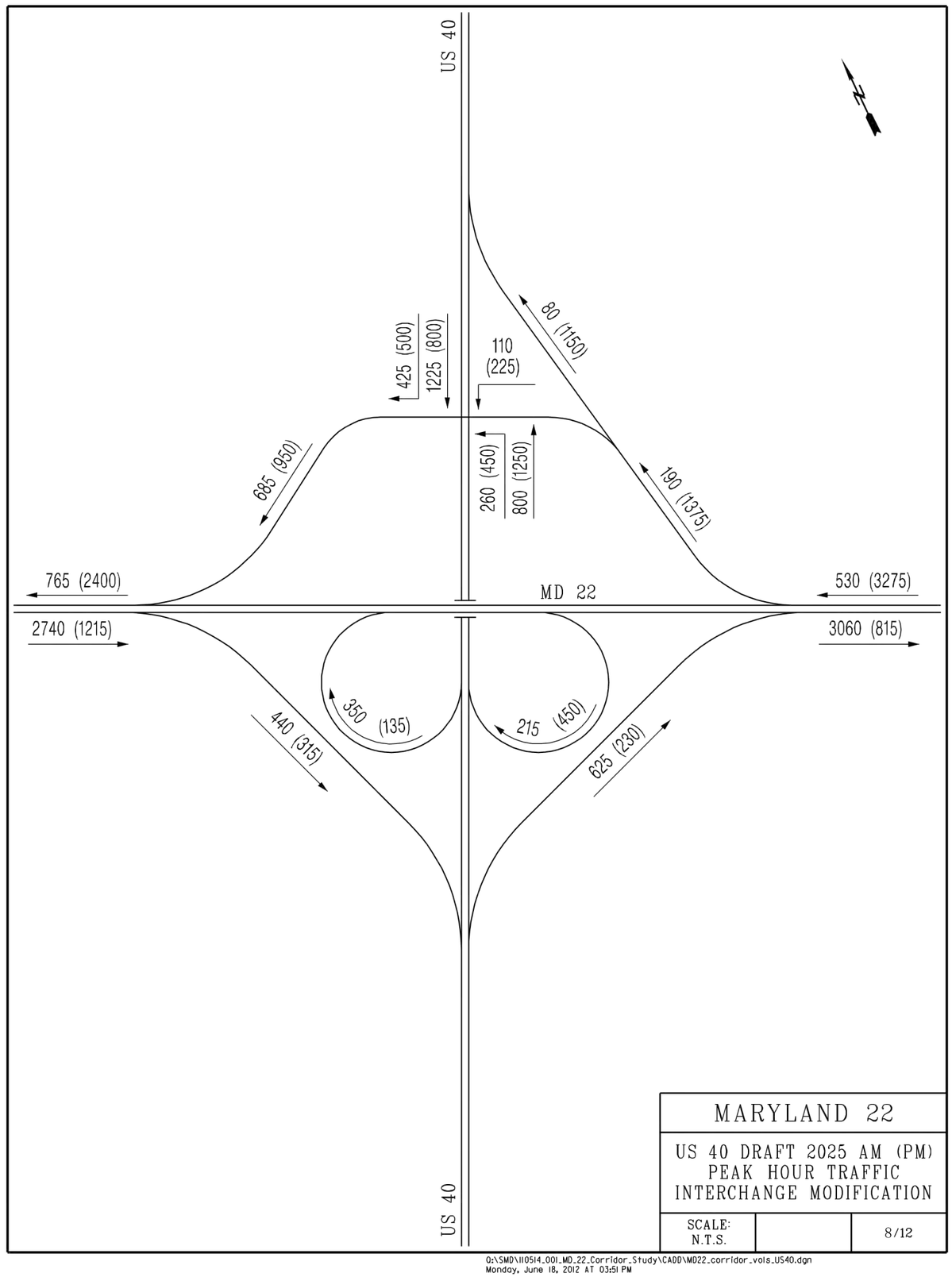

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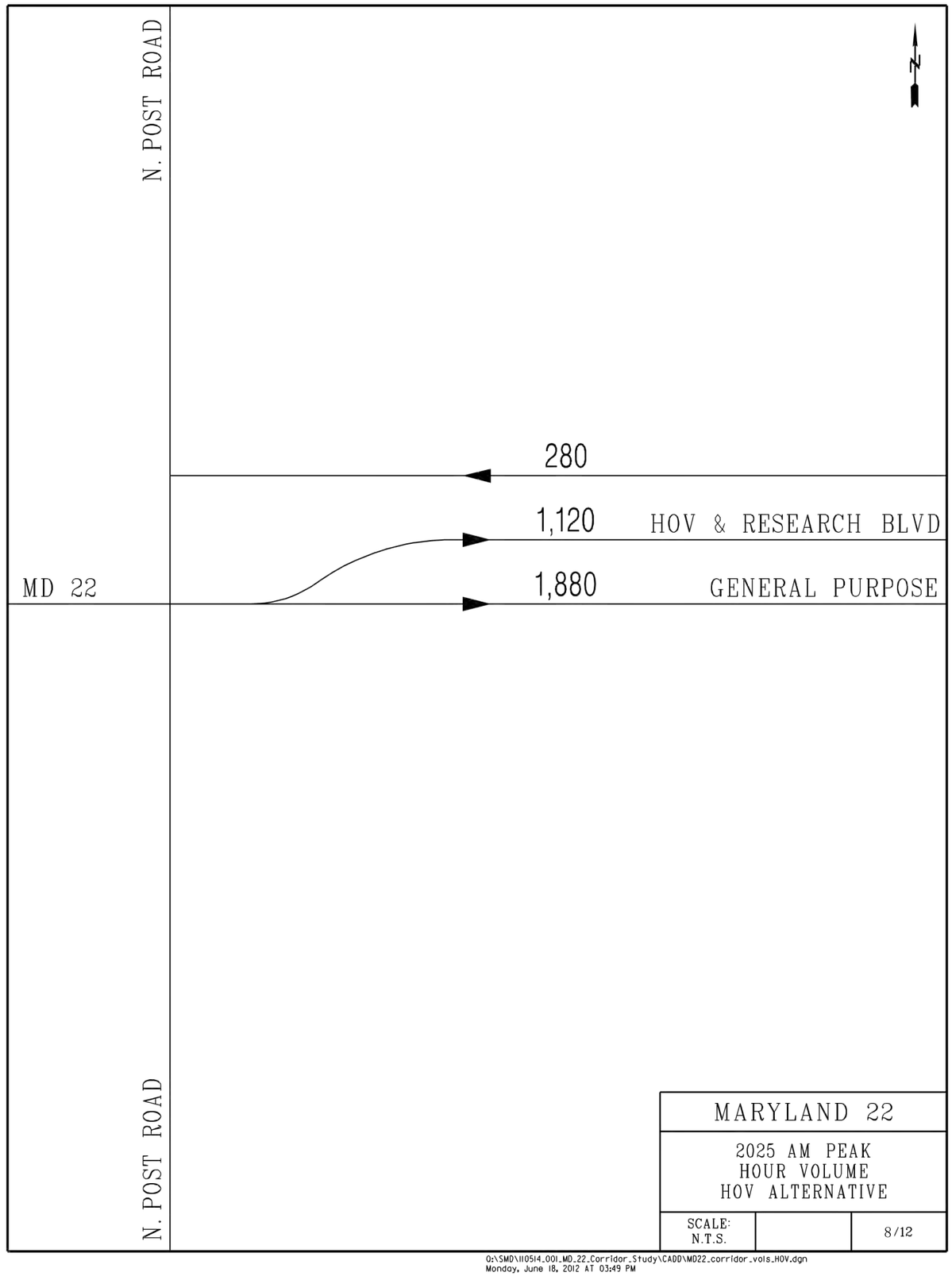

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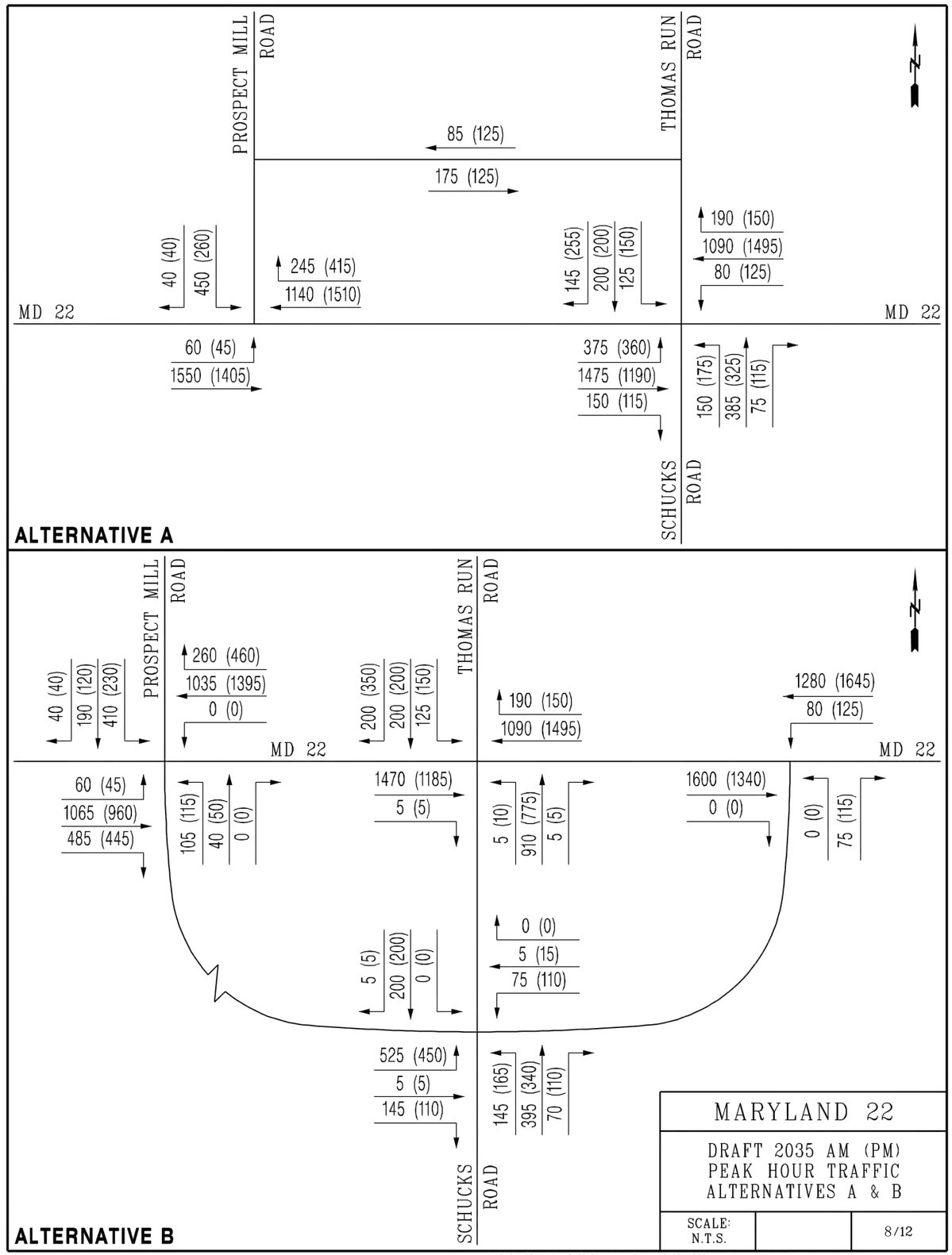



MARYLAND 22

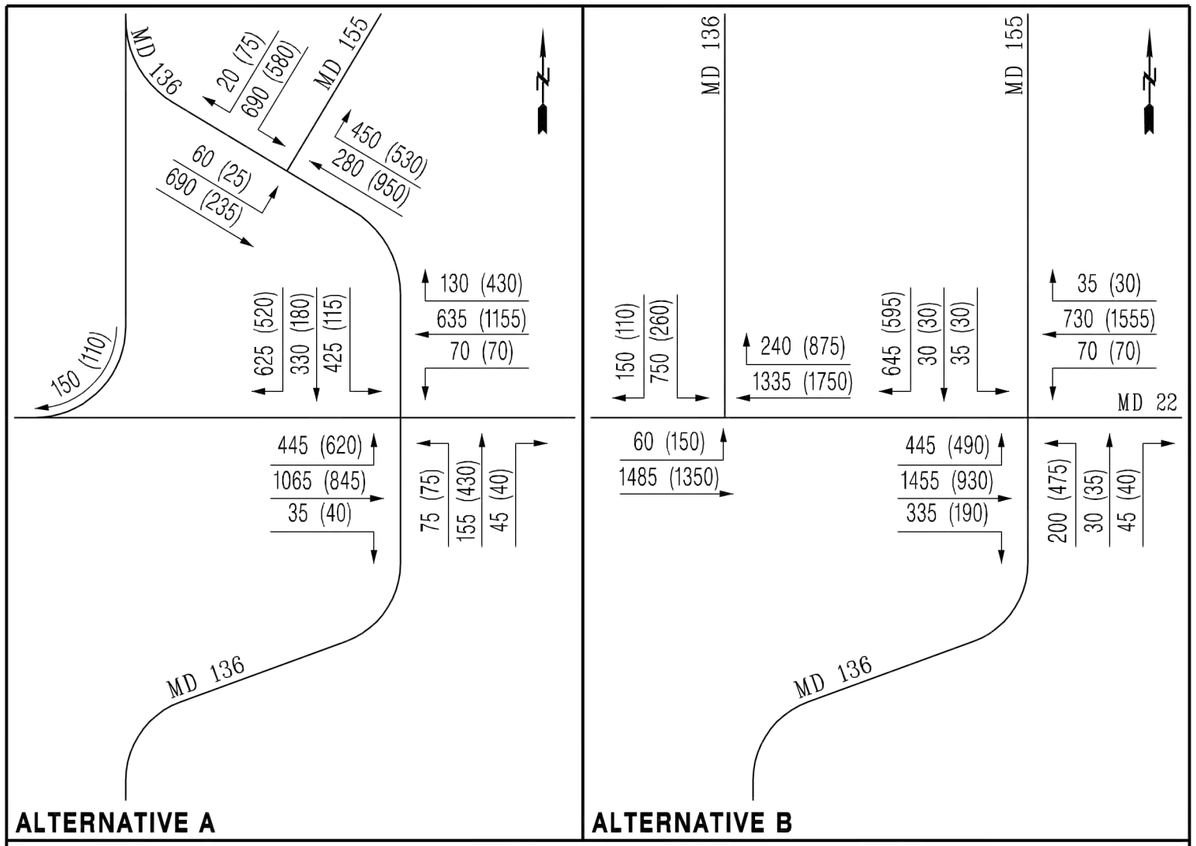
2025 AM PEAK
HOUR VOLUME
HOV ALTERNATIVE

| SCALE: N.T.S. | | 8/12 |
|---|---|---|

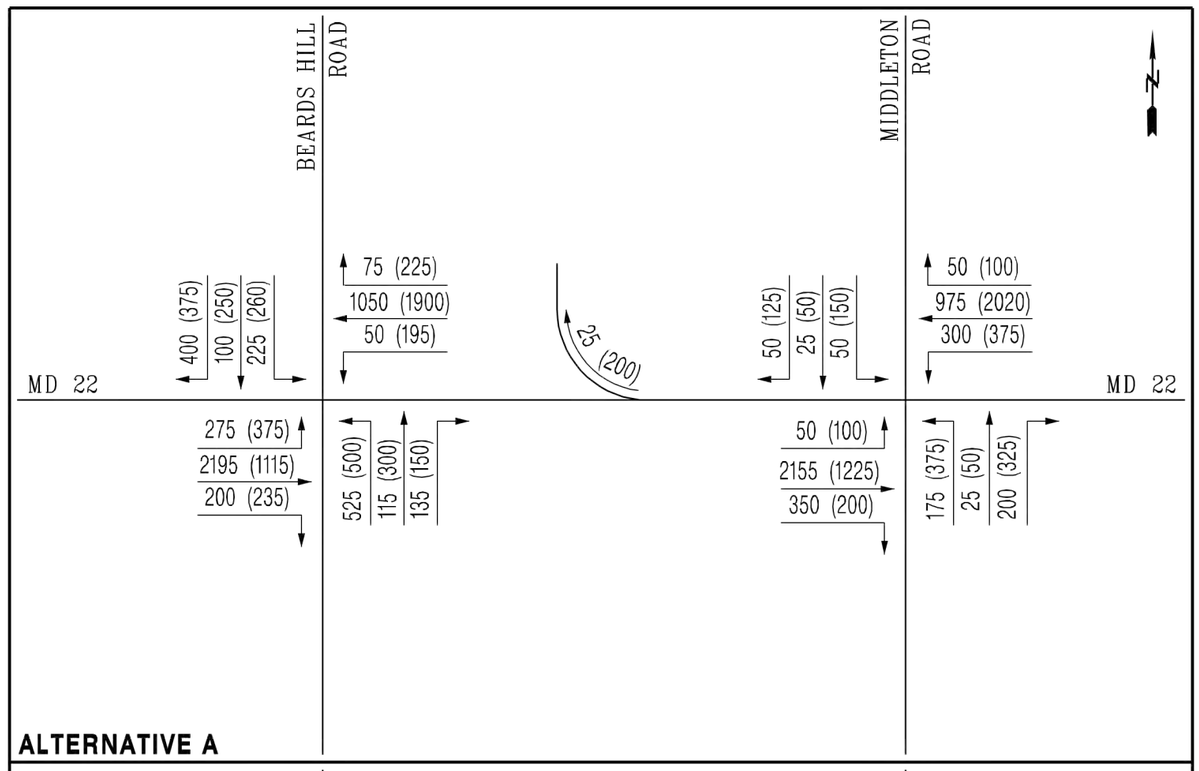
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Monday, June 18, 2012 AT 03:49 PM



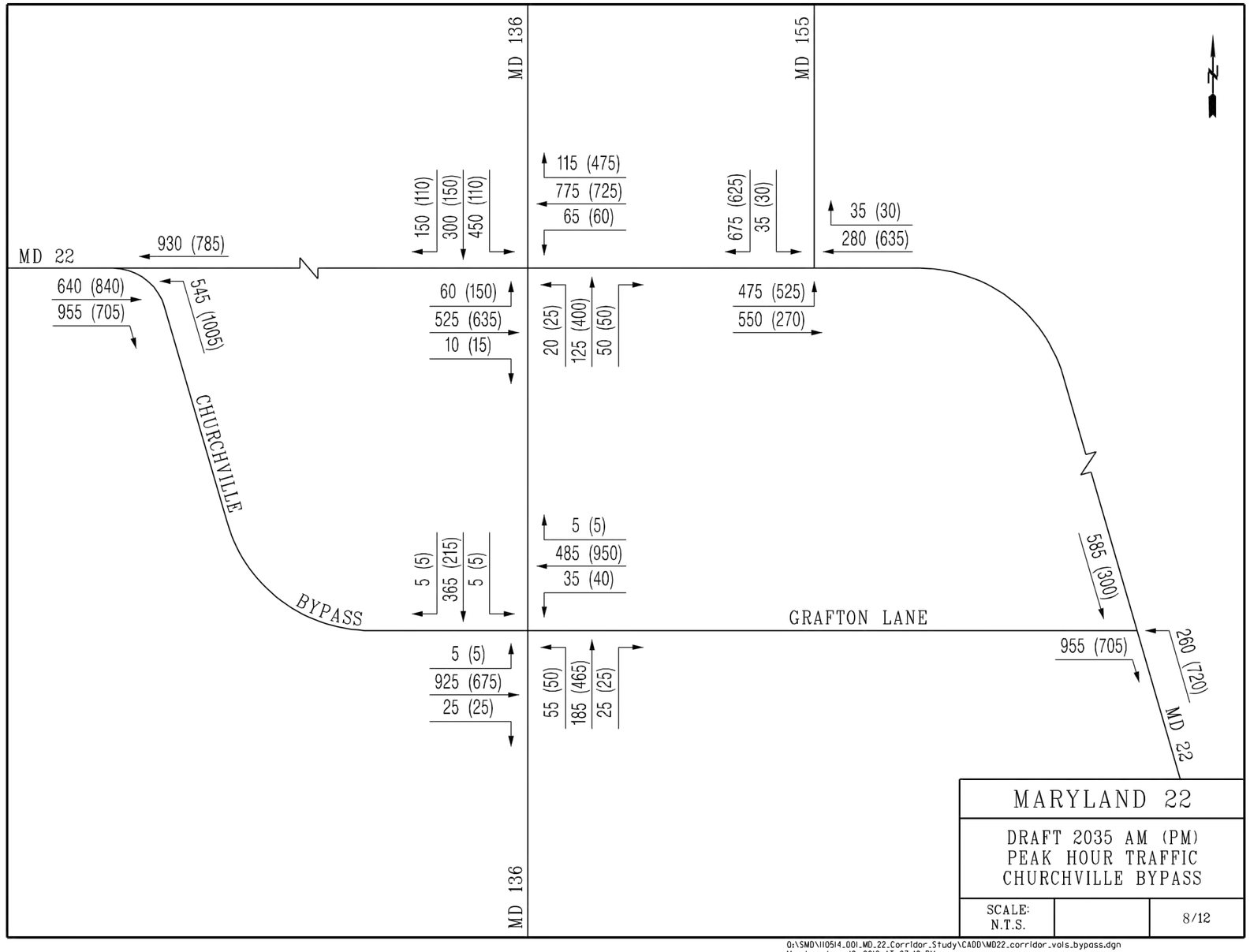

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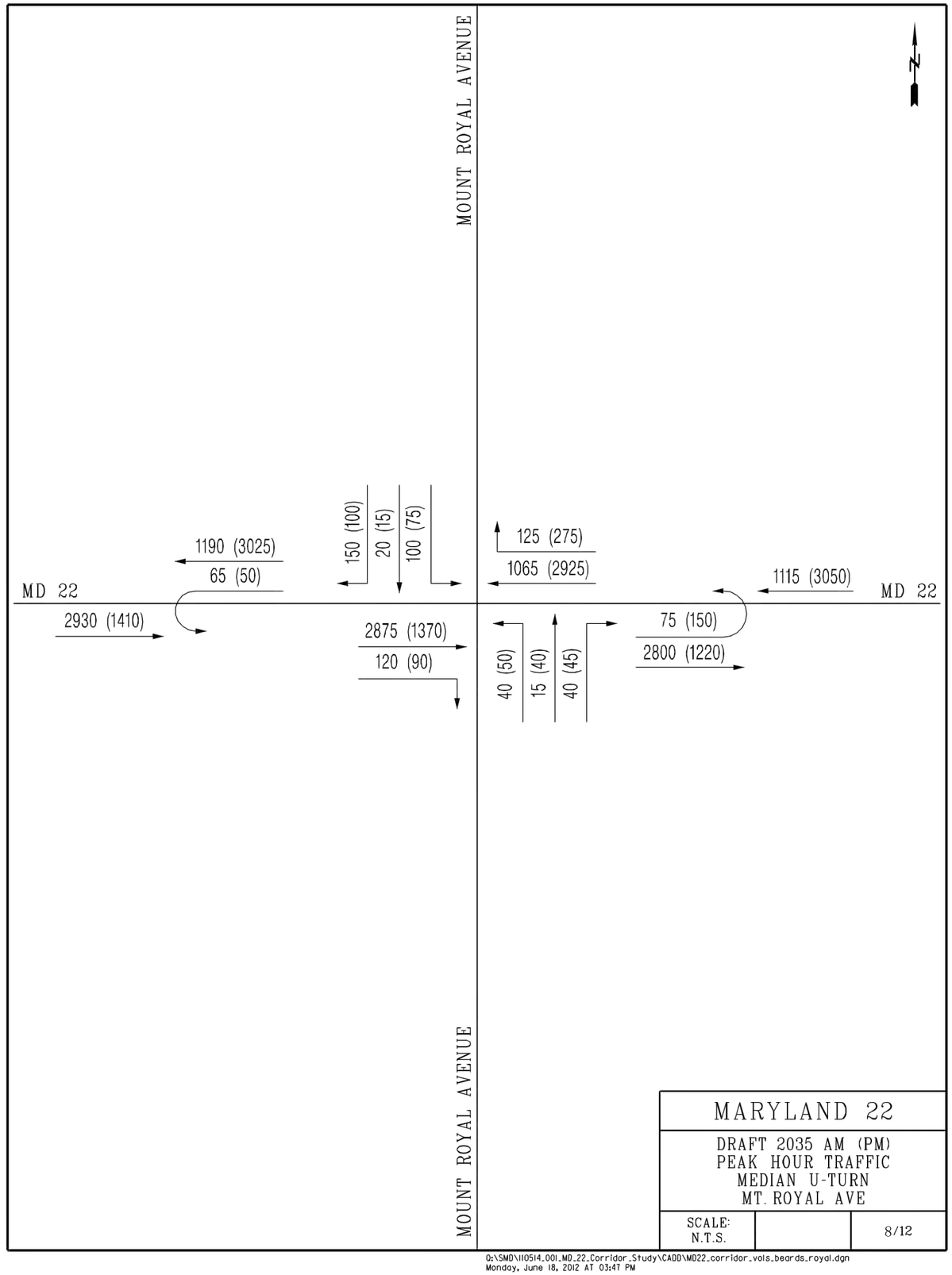

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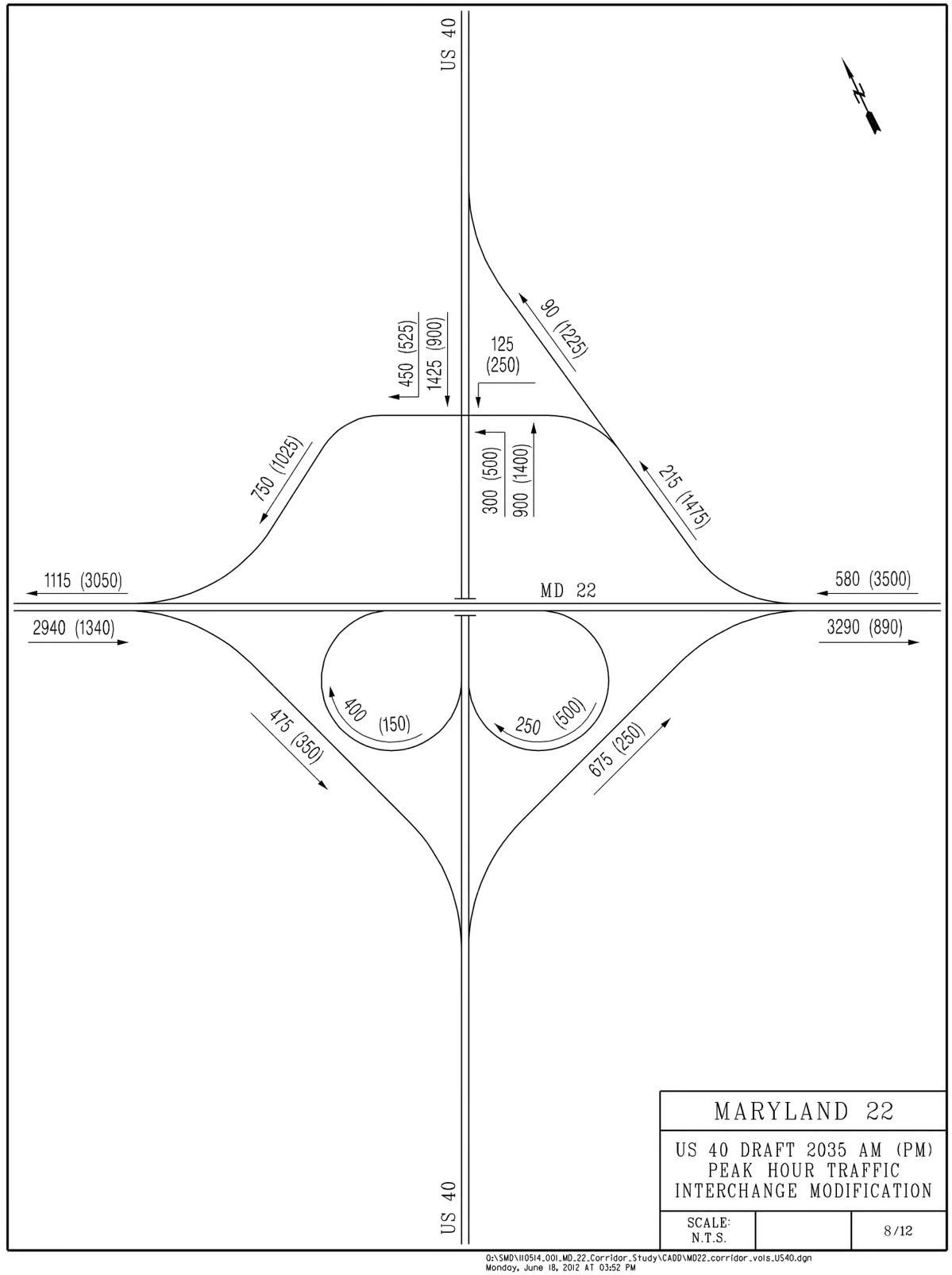

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Monday, June 18, 2012 AT 03:46 PM



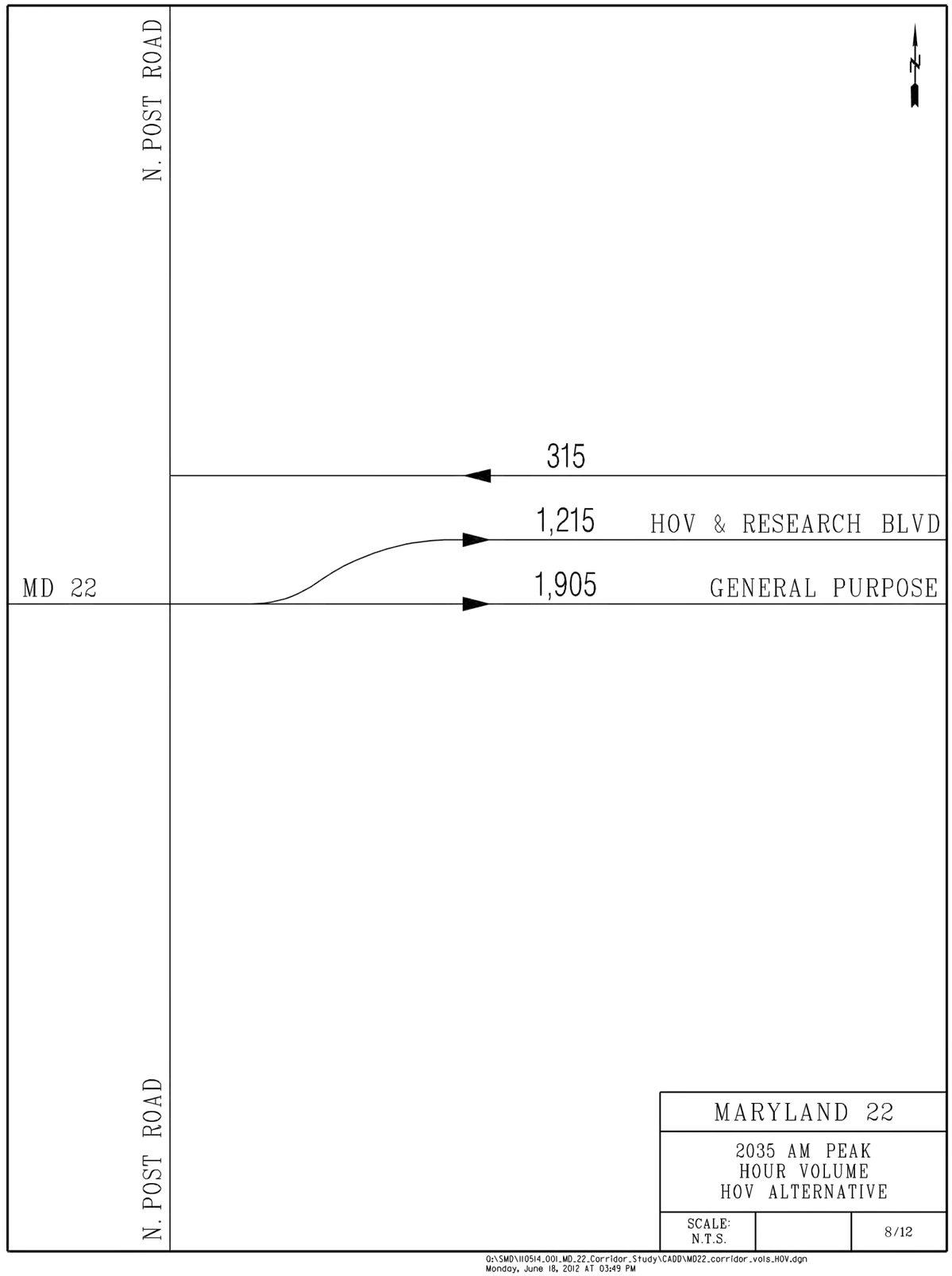

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Monday, June 18, 2012 AT 03:48 PM




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Monday, June 18, 2012 AT 03:47 PM




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Monday, June 18, 2012 AT 03:52 PM




MARYLAND 22

2035 AM PEAK
HOUR VOLUME
HOV ALTERNATIVE

| SCALE: N.T.S. | | 8/12 |
|---|---|---|

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Monday, June 18, 2012 AT 03:49 PM

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