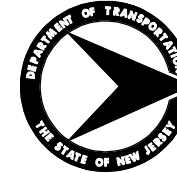


UTILITIES	
VERIZON NEW JERSEY INC. (TELEPHONE)	
JERSEY CENTRAL POWER & LIGHT COMPANY (ELECTRIC)	
NEW JERSEY NATURAL GAS COMPANY (GAS)	
NEW JERSEY AMERICAN WATER (WATER)	
TOWNSHIP OF BRANCHBURG (SANITARY SEWER)	
TOWNSHIP OF BRIDGEWATER (SANITARY SEWER)	
PUBLIC SERVICE ELECTRIC AND GAS COMPANY (GAS)	
PUBLIC SERVICE ELECTRIC AND GAS COMPANY (ELECTRIC)	
SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (SEWER)	



# State of New Jersey Department of Transportation



STATE	FEDERAL PROJECT NO.
N.J.	NHP-0202(336)

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	KEY
2-4	ESTIMATE - DISTRIBUTION OF QUANTITIES
5-9	TYPICAL SECTIONS
10	CONSTRUCTION LEGEND
11-50	CONSTRUCTION PLANS
51	ENVIRONMENTAL PLANS
52-90	TRAFFIC CONTROL PLANS
91-105	ELECTRICAL PLANS
106-109	TRAFFIC SIGNAL INSTALLATION PLANS
110-116	TRAFFIC SIGNING & STRIPING PLANS
117-120	CONSTRUCTION DETAILS
121-123	CURB RAMP LAYOUT DETAIL

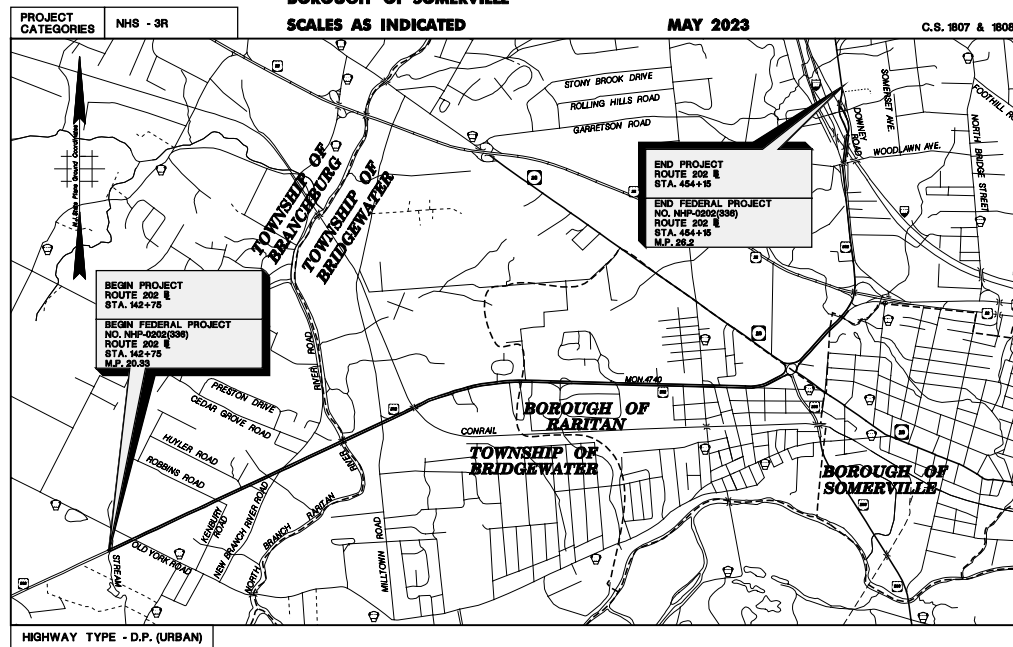
W COUNTY DRIVE (CR 646) TO ROUTE 287

CONTRACT NO. 020223450

PAVEMENT PRESERVATION

TOWNSHIP OF BRANCHBURG  
TOWNSHIP OF BRIDGEWATER  
BOROUGH OF RARITAN  
BOROUGH OF SOMERVILLE

SOMERSET COUNTY



STANDARD ROADWAY CONSTRUCTION - TRAFFIC CONTROL - BRIDGE CONSTRUCTION DETAILS BOOKLET 2016 AND STANDARD ELECTRICAL DETAILS BOOKLET 2007, ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

MID - POINT OF PROJECT  
LONGITUDE : 74° 58' 58" W  
LATITUDE : 40° 54' 58" N

DESIGN TRAFFIC DATA	
A.D.T. (2023) - ONE WAY	= 53567
A.D.T. (2035) - ONE WAY	= 56361
D	= 58 %
T	= 2 %
V	= 80 M.P.H. (M.P.20.33-23.78) 50 M.P.H. (M.P.23.78-25.24) 80 M.P.H. (M.P.25.24-25.74) 55 M.P.H. (M.P.25.74-28.2)

## KEY MAP



TOTAL LENGTH OF THE PROJECT = 31140 LIN. FT. OR 5.87 MILES

TOTAL LENGTH OF FEDERAL PROJECT NO. NHP-0202(336) = 31140 LIN. FT. OR 5.87 MILES

2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION TO GOVERN

Submitted by ARWOOD 4/4/23  
Director, Division of Project Management Date

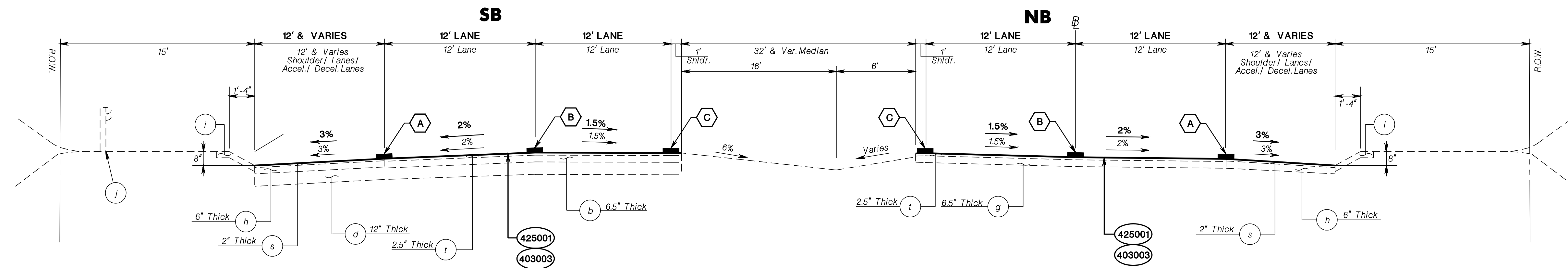
Approved by Rob Muel 4/4/23  
State Transportation Engineer Date



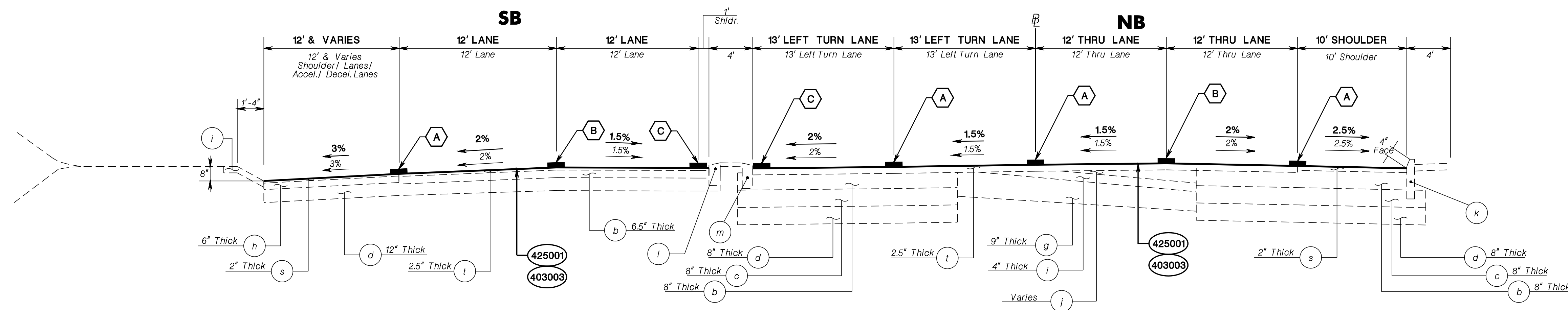








**ROUTE 202  
NORMAL SECTION  
STA. 142+00 TO STA. 216+72  
STA. 218+67 TO STA. 246+00**



**ROUTE 202  
NORMAL SECTION  
STA. 246+00 TO STA. 254+30**

**TRAFFIC STRIPING LEGEND**

- A 4" SOLID WHITE LINE
- B 4" DASHED WHITE LINE
- C 4" SOLID YELLOW LINE
- D 4" SOLID DOUBLE YELLOW LINE

Existing Materials	
Item No.	Description
a	Bituminous Concrete Surface Course, Mix 1-4
b	Bituminous Stabilized Base Course, Mix 1-2
c	Dense Graded Aggregate Base Course
d	Subbase
e	Pavement Type CA-BC-1
f	Concrete Pavement Surface Reinforced
g	Concrete Base Course
h	Stone Base Course
i	Bituminous Concrete
j	Bituminous Stabilized Surface Course, Mix 1-2, HD
k	9" X 16" White Concrete Vertical Curb
l	12" X 6" White Concrete Sloping Curb, Dowelled
m	12" X 13" White Concrete Sloping Curb
n	24" X 41" White Concrete Barrier Curb
o	9" X 18" White Concrete Vertical Curb
p	24" X 41" White Concrete Barrier Curb
q	26" X 41" White Concrete Barrier Curb
r	Pavement Type FA-BC
s	Hot Mix Asphalt 12.5 M64 Surface Course
t	Stone Matrix Asphalt 12.5 MM Surface Course
u	Hot Mix Asphalt 12.5 M76 Intermediate Course

PROPOSED MATERIALS	
ITEM NO.	DESCRIPTION
403003M	ULTRA - THIN FRICTION COURSE
425001M	SCRUB SEAL

**PROPOSED SEQUENCE OF WORK FOR THE CONSTRUCTION OF ULTRA - THIN FRICTION COURSE (UTFC)**

A. TRAVEL LANES, SHOULDER, AND RAMPS.

- REMOVE RPMs, AND TRAFFIC STRIPINGS/MARKINGS.
- MICROPAVE RUMBLE STRIPS AND INSTALL LATEX STRIPING.
- APPLY TACK COAT FOR PAVEMENT REPAIR AREAS.
- APPLY POLYMER MODIFIED TACK COAT FOR SURFACE PREPARATION.
- APPLY SCRUB SEAL.
- APPLY ULTRA THIN FRICTION COURSE.
- INSTALL LATEX STRIPING AND REAPPLY AS NEEDED THROUGHOUT UTFC CURING.
- INSTALL RUMBLE STRIPS.
- INSTALL EPOXY STRIPING.
- INSTALL RPMs AT AN 18" OFFSET FROM EXISTING LOCATION.

**N.T.S.**

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

ROUTE 202  
CONTRACT NO. 020223450

TS-1  
TS-5

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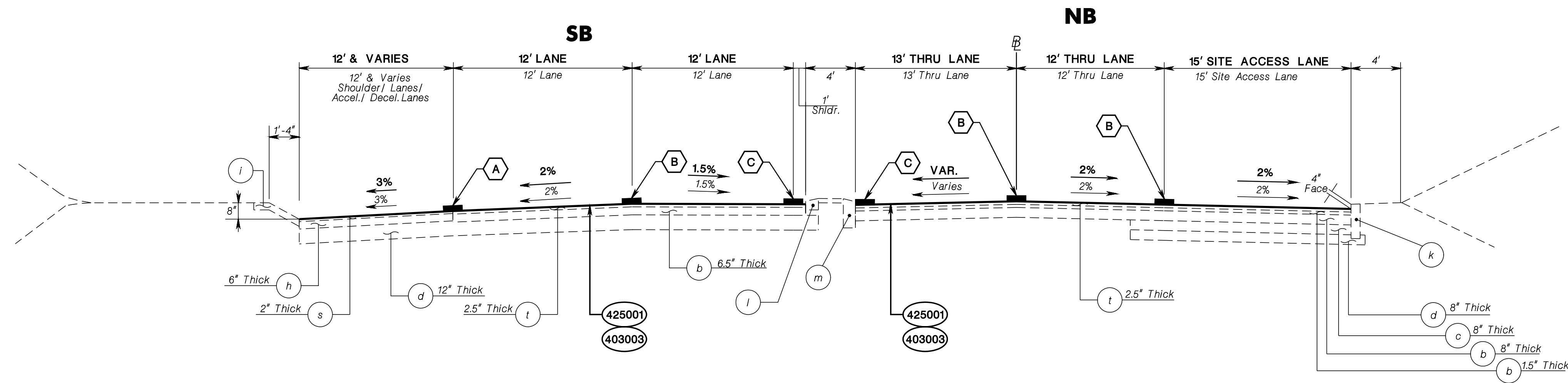
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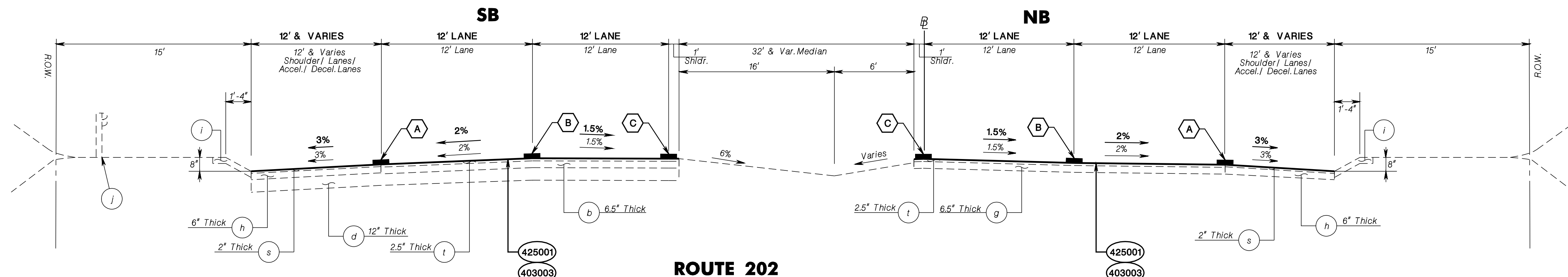
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NJDOT Roadway Design Group 2

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**ROUTE 202  
NORMAL SECTION  
STA. 254+30 TO STA. 263+00 NB**



**ROUTE 202  
NORMAL SECTION  
STA. 263+00 TO STA. 332+50**

Existing Materials	
Item No.	Description
a	Bituminous Concrete Surface Course, Mix 1-4
b	Bituminous Stabilized Base Course, Mix 1-2
c	Dense Graded Aggregate Base Course
d	Subbase
e	Pavement Type CA-BC-1
f	Concrete Pavement Surface Reinforced
g	Concrete Base Course
h	Stone Base Course
i	Bituminous Concrete
j	Bituminous Stabilized Surface Course, Mix 1-2, HD
k	9" X 16" White Concrete Vertical Curb
l	12" X 6" White Concrete Sloping Curb, Dowelled
m	12" X 13" White Concrete Sloping Curb
n	24" X 41" White Concrete Barrier Curb
o	9" X 18" White Concrete Vertical Curb
p	24" X 18" White Concrete Barrier Curb
q	26" X 18" White Concrete Barrier Curb
r	Pavement Type FA-BC
s	Hot Mix Asphalt 12.5 M64 Surface Course
t	Stone Matrix Asphalt 12.5 MM Surface Course
u	Hot Mix Asphalt 12.5 M76 Intermediate Course

PROPOSED MATERIALS	
ITEM NO.	DESCRIPTION
403003M	ULTRA - THIN FRICTION COURSE
425001M	SCRUB SEAL

**TRAFFIC STRIPING LEGEND**

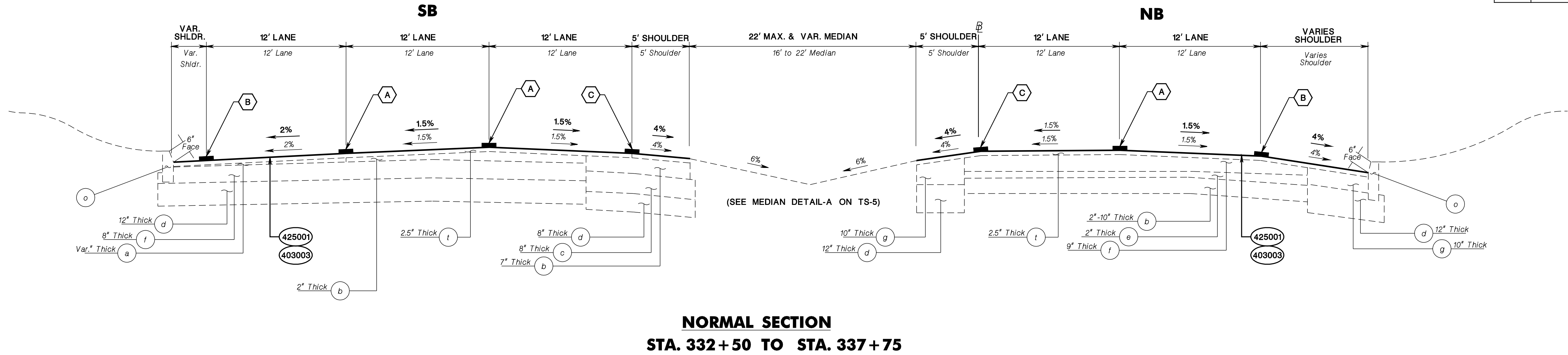
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- B 4" DASHED WHITE LINE
- C 4" SOLID YELLOW LINE
- D 4" SOLID DOUBLE YELLOW LINE

**N.T.S.**

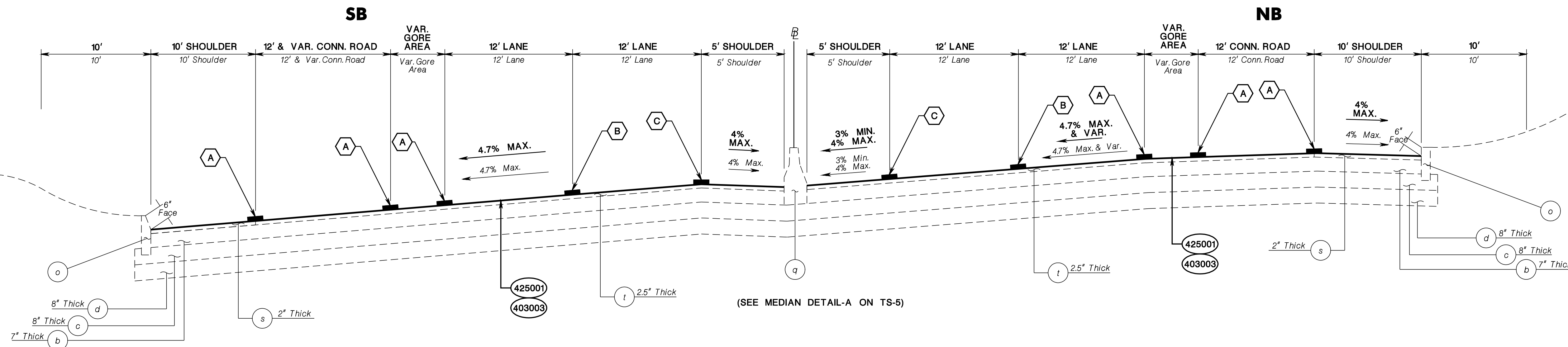
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**  
ROUTE 202  
CONTRACT NO. 020223450

TS-2  
TS-5



**NORMAL SECTION**  
**STA. 332+50 TO STA. 337+75**



**ROUTE 202**  
**SUPERELEVATED SECTION**  
**STA. 337+75 TO STA. 356+24**  
**STA. 362+44 TO STA. 369+60**

Existing Materials	
Item No.	Description
a	Bituminous Concrete Surface Course, Mix I-4
b	Bituminous Stabilized Base Course, Mix I-2
c	Dense Graded Aggregate Base Course
d	Subbase
e	Pavement Type CA-BC-1
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h	Stone Base Course
i	Bituminous Concrete
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q	26" X 18" White Concrete Barrier Curb
r	Pavement Type FA-BC
s	Hot Mix Asphalt 12.5 M64 Surface Course
t	Stone Matrix Asphalt 12.5 MM Surface Course
u	Hot Mix Asphalt 12.5 M76 Intermediate Course

PROPOSED MATERIALS	
ITEM NO.	DESCRIPTION
403003M	ULTRA - THIN FRICTION COURSE
425001M	SCRUB SEAL

**TRAFFIC STRIPING LEGEND**

- (A) 4" SOLID WHITE LINE
- (B) 4" DASHED WHITE LINE
- (C) 4" SOLID YELLOW LINE
- (D) 4" SOLID DOUBLE YELLOW LINE

**N.T.S.**

NEW JERSEY DEPARTMENT OF TRANSPORTATION

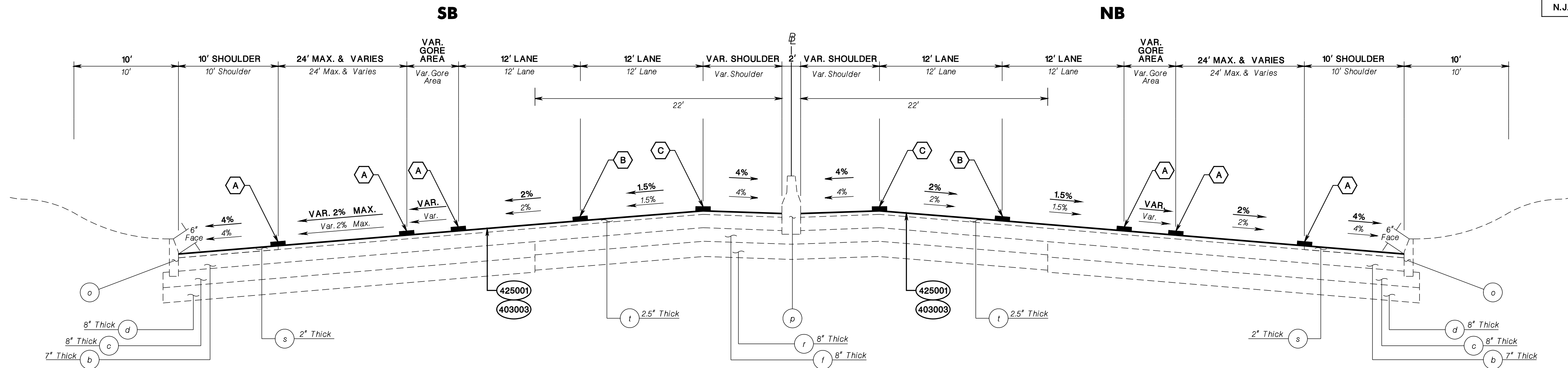
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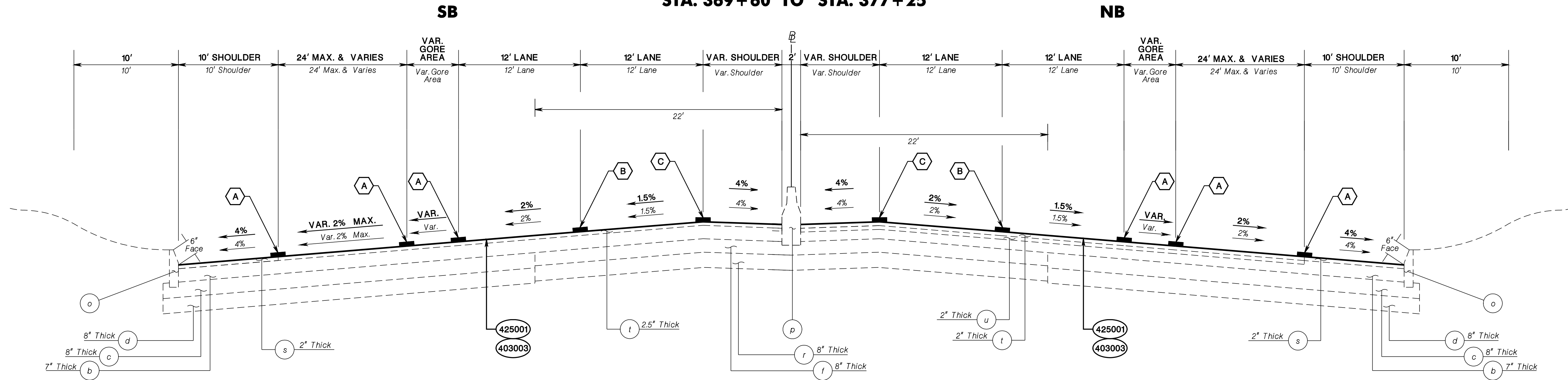
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**ROUTE 202  
NORMAL SECTION  
STA. 369+60 TO STA. 377+25**



**ROUTE 202  
NORMAL SECTION  
STA. 377+25 TO STA. 384+00 SB**

Existing Materials	
Item No.	Description
a	Bituminous Concrete Surface Course, Mix I-4
b	Bituminous Stabilized Base Course, Mix I-2
c	Dense Graded Aggregate Base Course
d	Subbase
e	Pavement Type CA-BC-1
f	Concrete Pavement Surface Reinforced
g	Concrete Base Course
h	Stone Base Course
i	Bituminous Concrete
j	Bituminous Stabilized Surface Course, Mix I-2, HD
k	12" X 13" White Concrete Sloping Curb
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u	Hot Mix Asphalt 12.5 M76 Intermediate Course

PROPOSED MATERIALS	
ITEM NO.	DESCRIPTION
403003M	ULTRA - THIN FRICTION COURSE
425001M	SCRUB SEAL

**TRAFFIC STRIPING LEGEND**

- (A) 4" SOLID WHITE LINE
- (B) 4" DASHED WHITE LINE
- (C) 4" SOLID YELLOW LINE
- (D) 4" SOLID DOUBLE YELLOW LINE

**N.T.S.**

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

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CONTRACT NO. 020223450

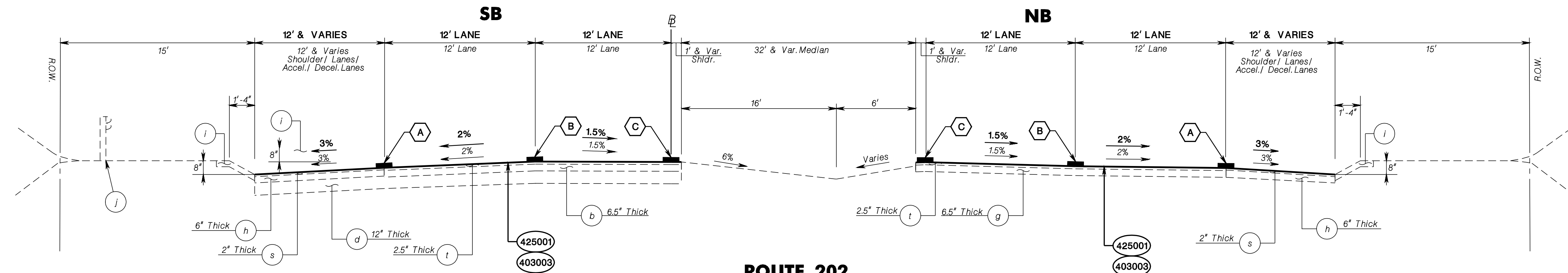
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TS-5

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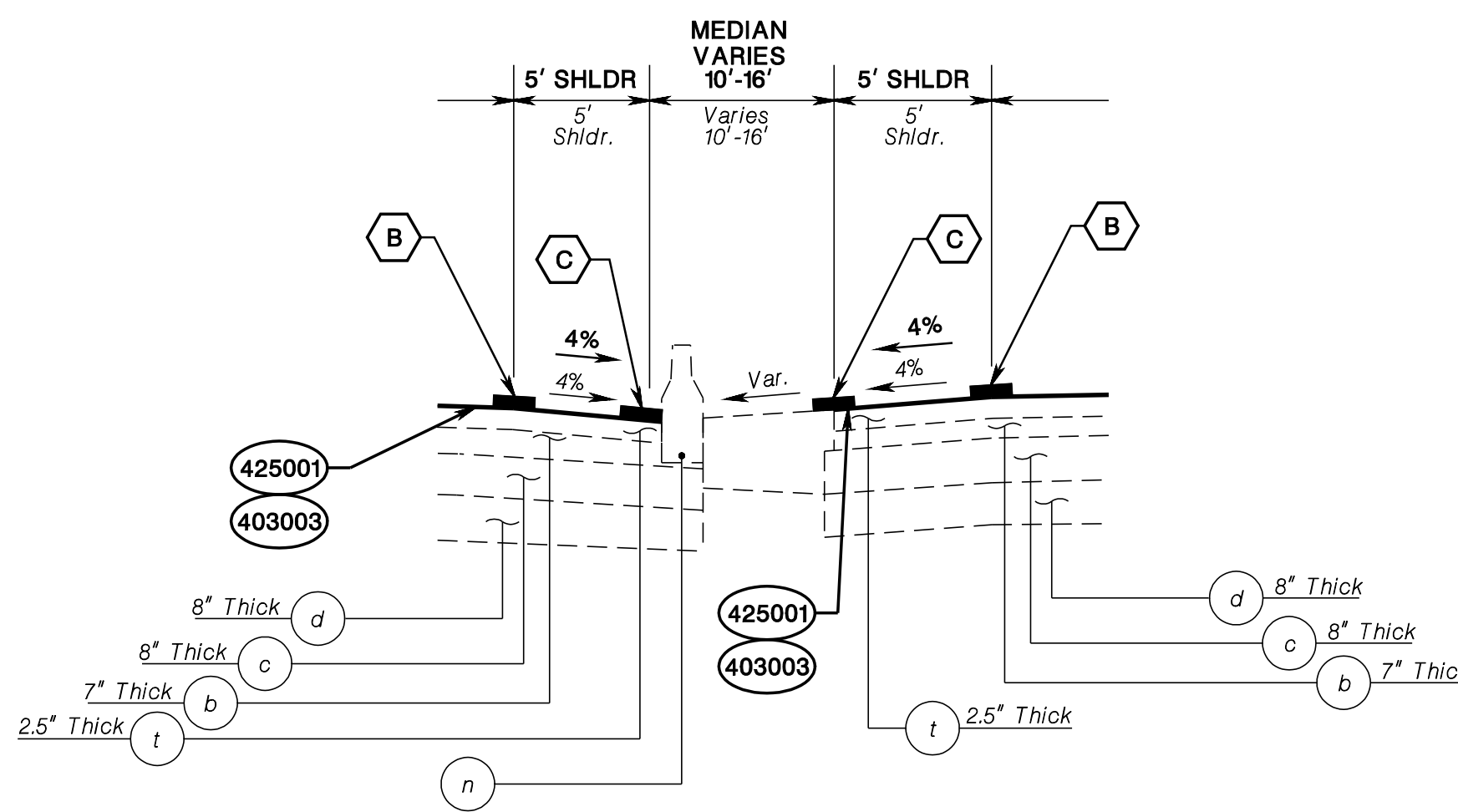
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NJDOT Roadway Design Group 2

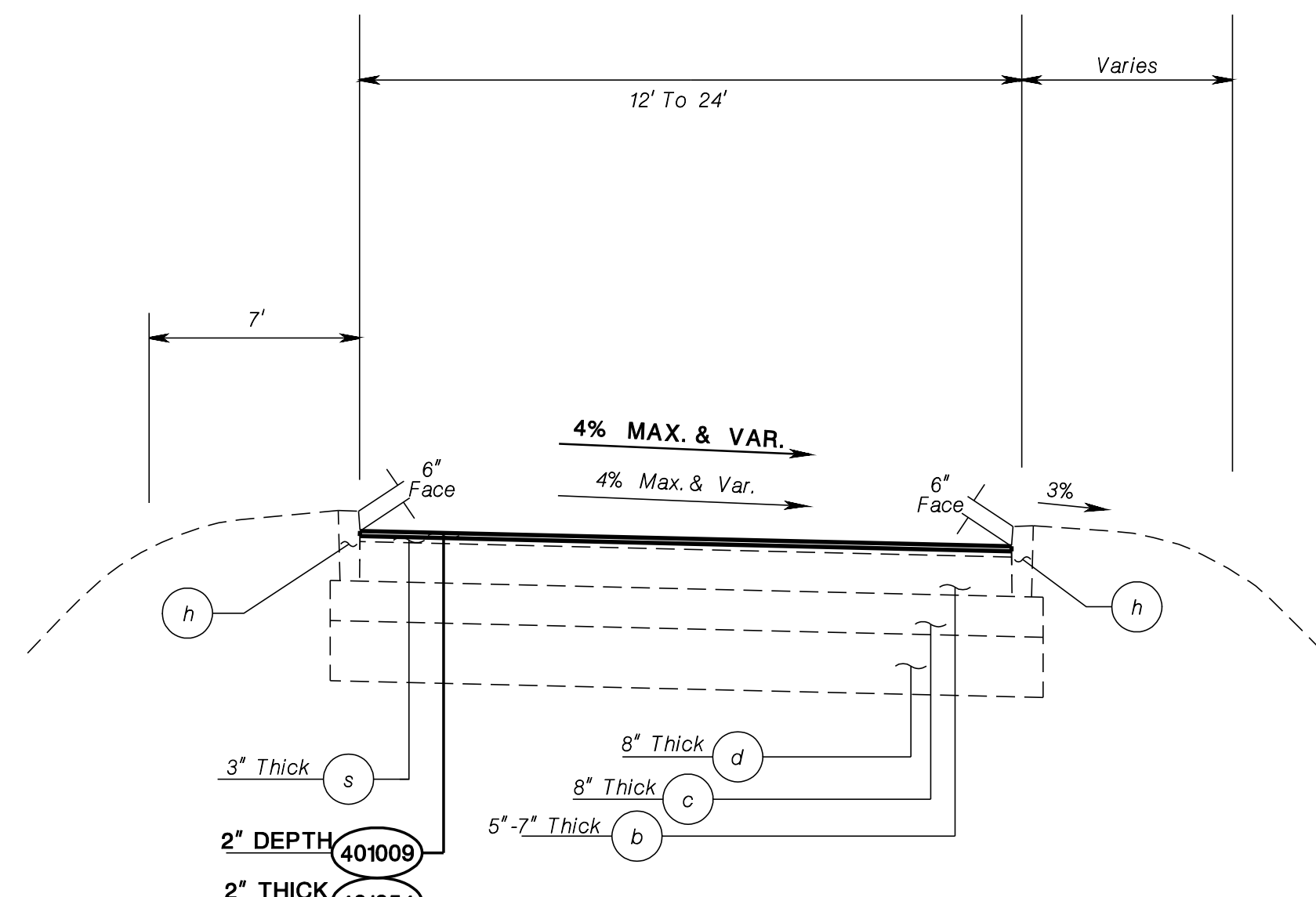
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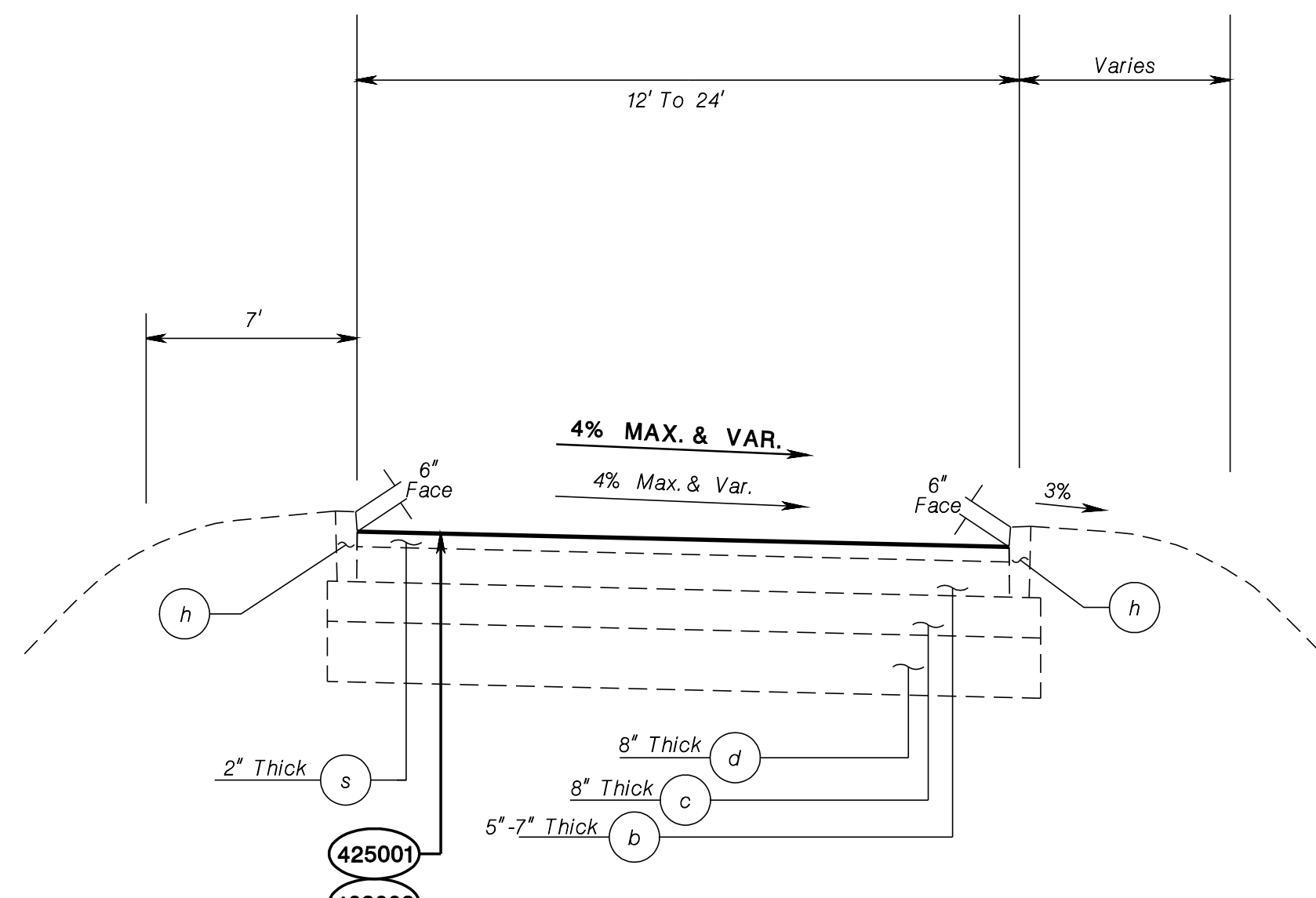
**ROUTE 202  
NORMAL SECTION**  
**STA. 384+00 TO STA. 389+06 NB/STA. 390+03 SB**  
**STA. 391+03 SB/STA. 391+67 NB TO STA. 434+67**  
**STA. 438+71 TO STA. 449+12**



**MEDIAN DETAIL A**  
**STA. 336+00 TO STA. 341+00**



**RAMPS**  
**A102300, A102310, A102540, B102310,**  
**B102550, B102560, X102560, Y102550, Y202550**  
**ROUTE 202 STA.**  
**450+73 TO STA. 454+15**



**RAMPS**  
**A102030, A102040, A102050, A102080,**  
**A102090, A102130, A102190, A102380,**  
**A102420, A102620, B102040, B102140,**  
**B102250, X102040, X102090, X102100,**  
**X102140, X102200, X102250, X102400,**  
**X102620, Y102040, Y102130, Y102420**

Existing Materials	
Item No.	Description
a	Bituminous Concrete Surface Course, Mix I-4
b	Bituminous Stabilized Base Course, Mix I-2
c	Dense Graded Aggregate Base Course
d	Subbase
e	Pavement Type CA-BC-1
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r	Pavement Type FA-BC
s	Hot Mix Asphalt 12.5 M64 Surface Course
t	Stone Matrix Asphalt 12.5 MM Surface Course
u	Hot Mix Asphalt 12.5 M76 Intermediate Course

PROPOSED MATERIALS	
ITEM NO.	DESCRIPTION
403003M	ULTRA - THIN FRICTION COURSE
425001M	SCRUB SEAL
401009P	HMA MILLING, 3" OR LESS
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE

- TRAFFIC STRIPING LEGEND**
- (A) 4" SOLID WHITE LINE
  - (B) 4" DASHED WHITE LINE
  - (C) 4" SOLID YELLOW LINE
  - (D) 4" SOLID DOUBLE YELLOW LINE

**N.T.S.**

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

ROUTE 202

CONTRACT NO. 020223450

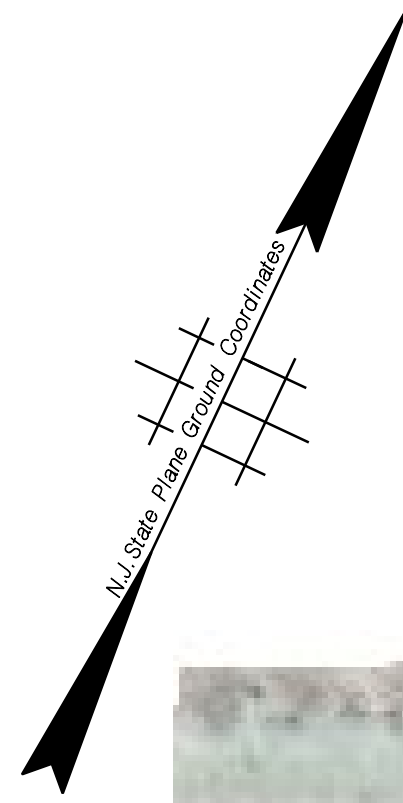
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NJDOT Roadway Design Group 2



TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET



MATCH LINE @ STA. 142+00

PLAN SHEET NO. C-2

**NO WORK ON THIS SHEET**



C-1  
C-40

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

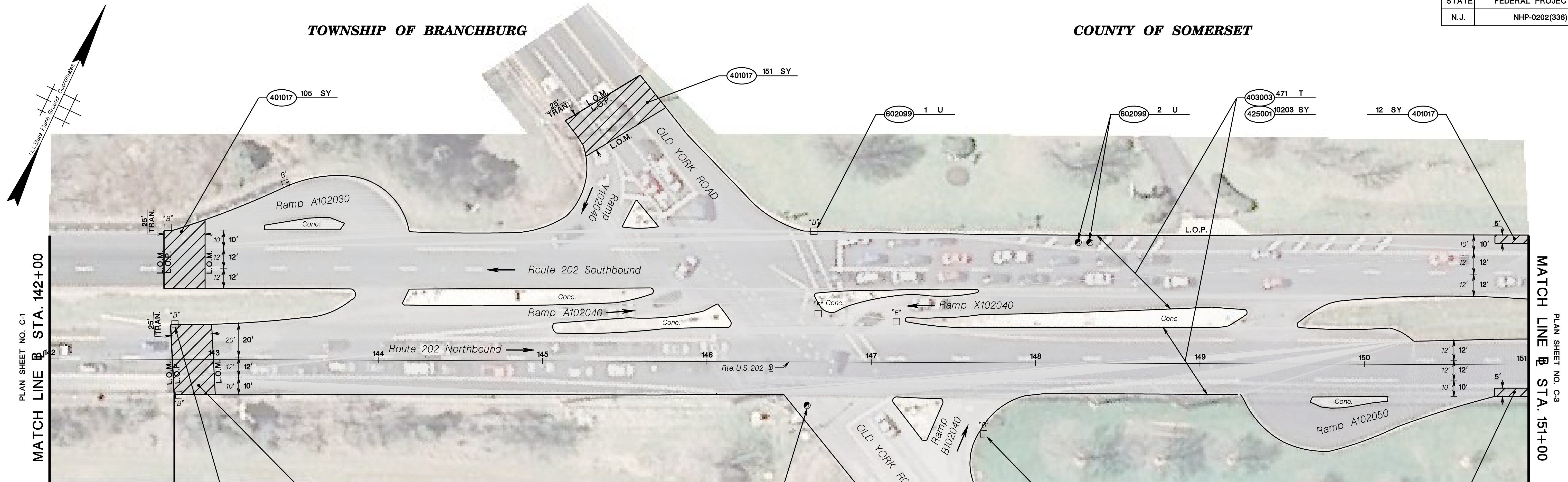
ROUTE 202

CONTRACT NO. 020223450



TOWNSHIP OF BRANCHBURG

COUNTY OF SOMERSET

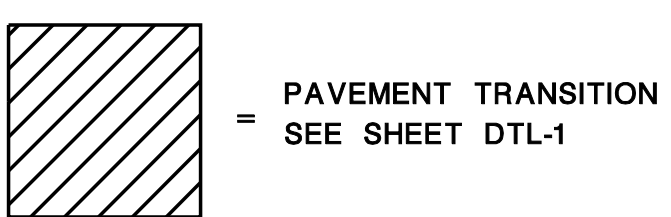


PLAN SHEET NO. C-1  
MATCH LINE B STA. 142+00

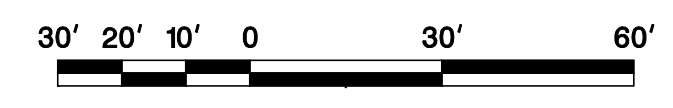
PLAN SHEET NO. C-3  
MATCH LINE B STA. 151+00

BEGIN PROJECT  
ROUTE 202 B  
STA. 142+75

BEGIN FEDERAL PROJECT  
NO. NHP-0202(336)  
ROUTE 202 B  
STA. 142+75  
M.P. 20.33



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	520 SY
403003M	ULTRA-THIN FRICTION COURSE	471 T
425001M	SCRUB SEAL	10203 SY
602099M	RESET EXISTING CASTING	4 U
602213M	CURB PIECE	2 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

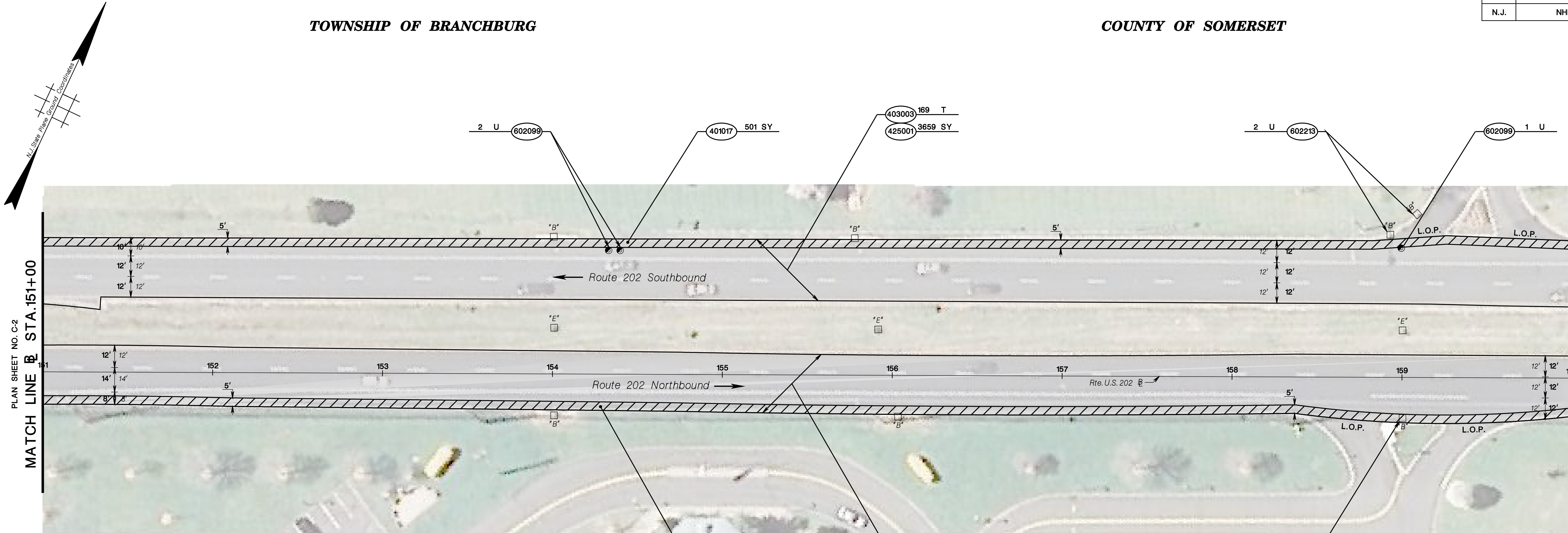
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NJDOT Roadway Design Group 2



TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET



PLAN SHEET NO. C-2  
MATCH LINE B STA. 151+00

MATCH LINE STA. 160+00  
PLAN SHEET NO. C-4

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1002 SY
403003M	ULTRA-THIN FRICTION COURSE	333 T
425001M	SCRUB SEAL	7207 SY
602099M	RESET EXISTING CASTING	3 U
602213M	CURB PIECE	3 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

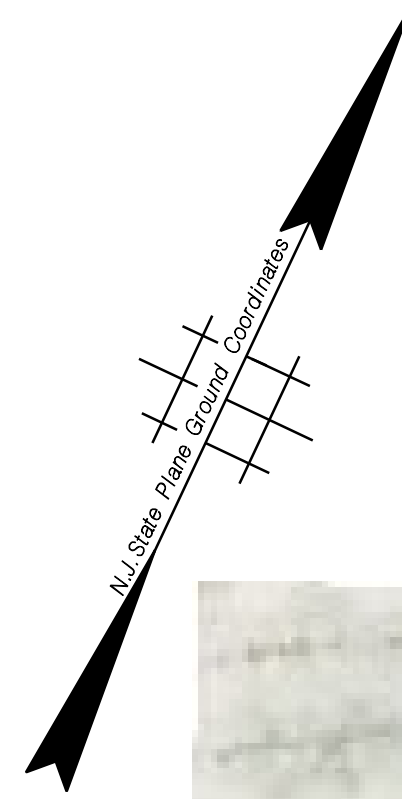
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NJDOT Roadway Design Group 2

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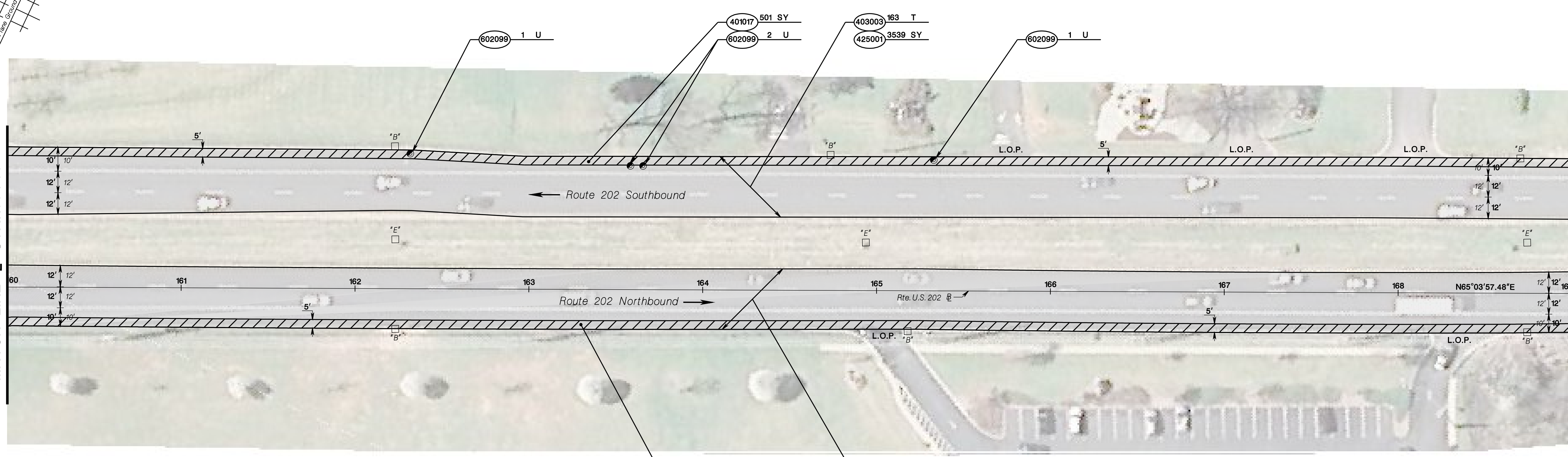
TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET

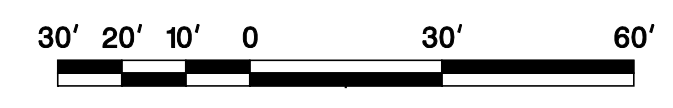


PLAN SHEET NO. C-3  
MATCH LINE @ STA. 160+00

PLAN SHEET NO. C-5  
MATCH LINE @ STA. 169+00



 PAVEMENT TRANSITION  
SEE SHEET DTL-1



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1002 SY
403003M	ULTRA-THIN FRICTION COURSE	324 T
425001M	SCRUB SEAL	7023 SY
602099M	RESET EXISTING CASTING	4 U

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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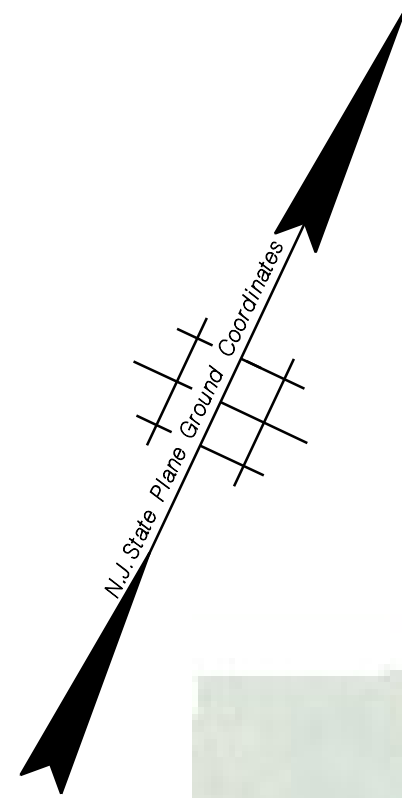
NJDOT Roadway Design Group 2

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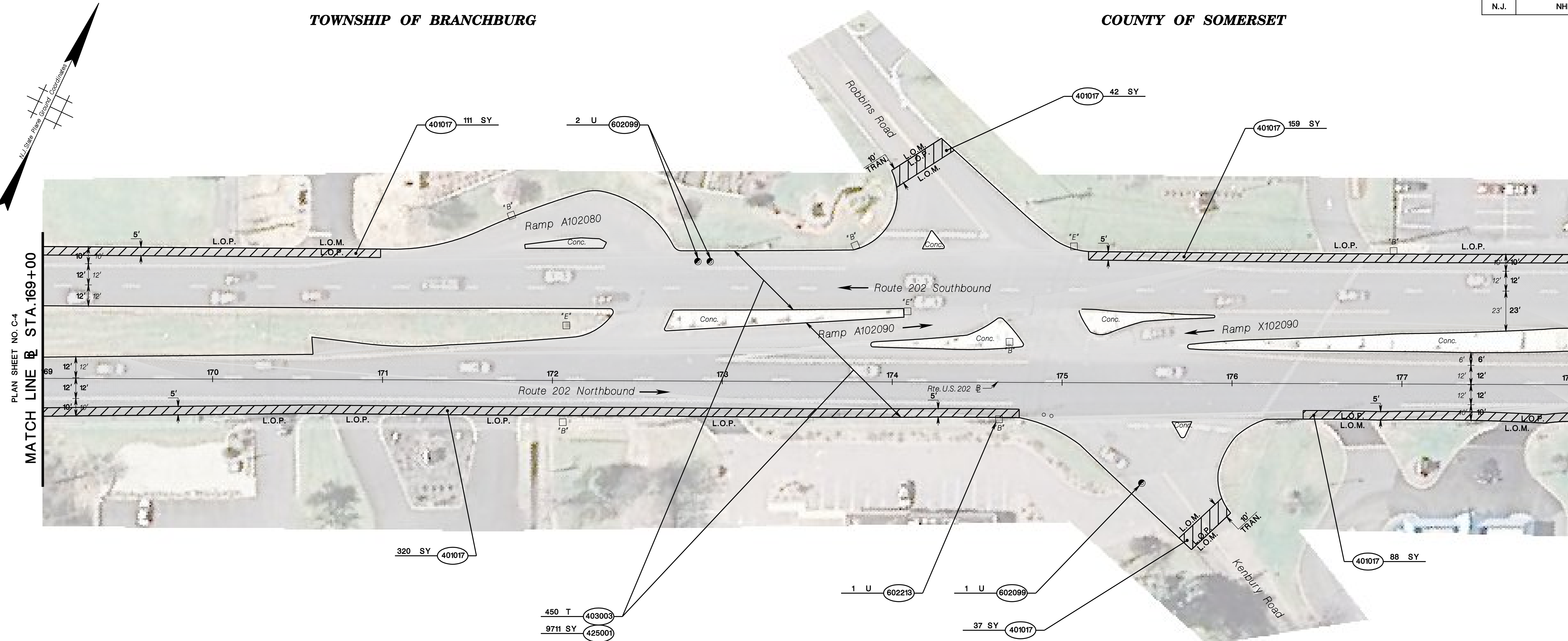
TOWNSHIP OF BRANCHBURG

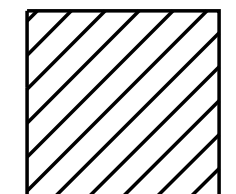
COUNTY OF SOMERSET



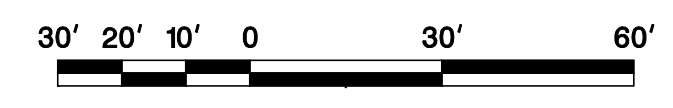
PLAN SHEET NO. C-4  
MATCH LINE @ STA. 169+00

PLAN SHEET NO. C-8  
MATCH LINE @ STA. 178+00



 = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	757 SY
403003M	ULTRA-THIN FRICTION COURSE	450 T
425001M	SCRUB SEAL	9711 SY
602099M	RESET EXISTING CASTING	3 U
602213M	CURB PIECE	1 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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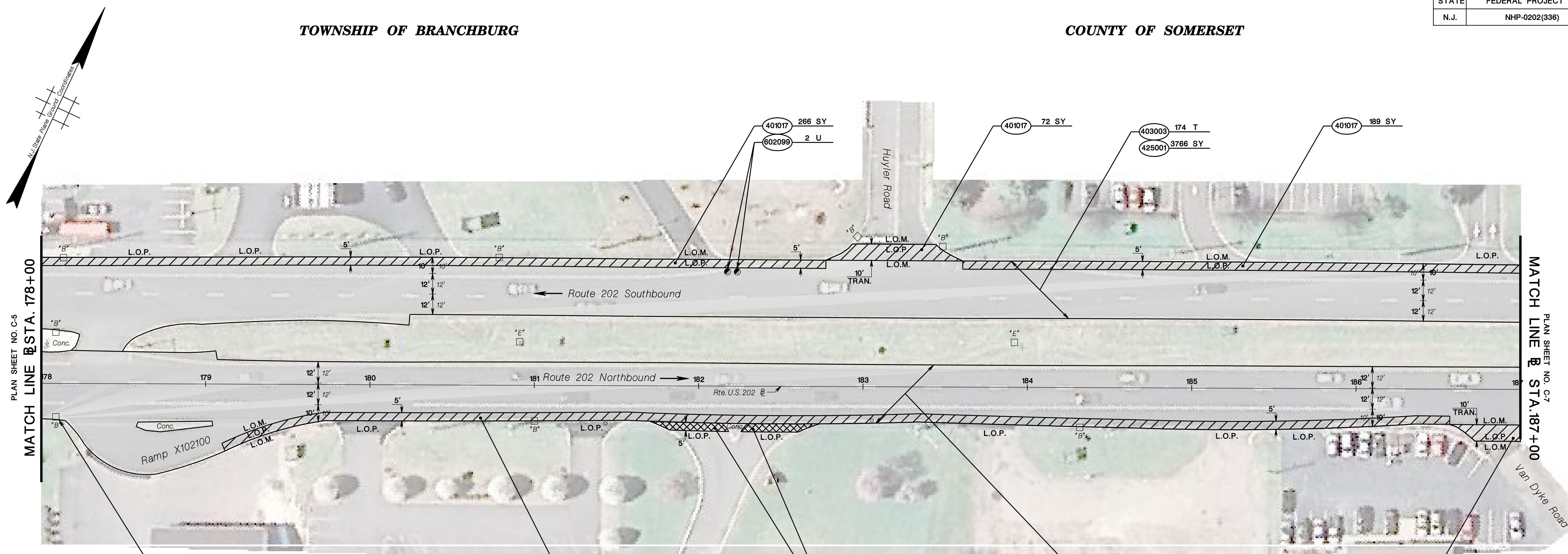
NJDOT Roadway Design Group 2

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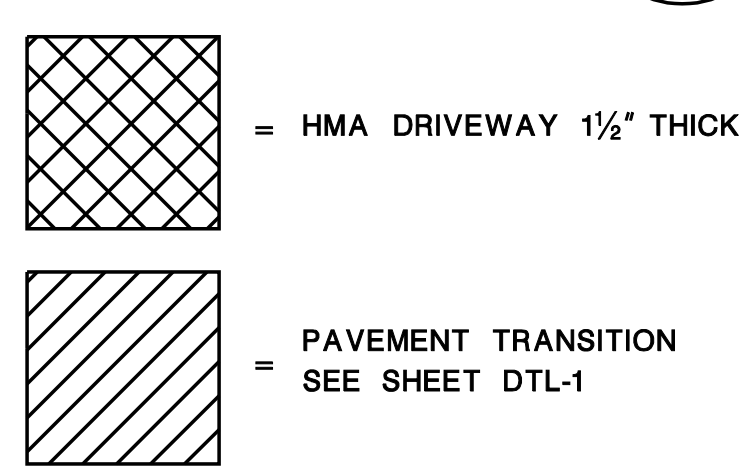
TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET

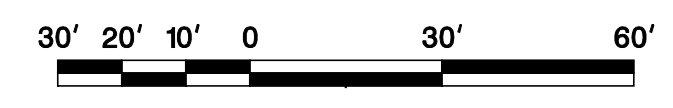


PLAN SHEET NO. C-5  
MATCH LINE STA. 178+00

PLAN SHEET NO. C-7  
MATCH LINE STA. 187+00



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	982 SY
403003M	ULTRA-THIN FRICTION COURSE	361 T
425001M	SCRUB SEAL	7823 SY
602099M	RESET EXISTING CASTING	2 U
602213M	CURB PIECE	1 U
606030P	HOT MIX ASPHALT DRIVEWAY, 1 1/2" THICK	45 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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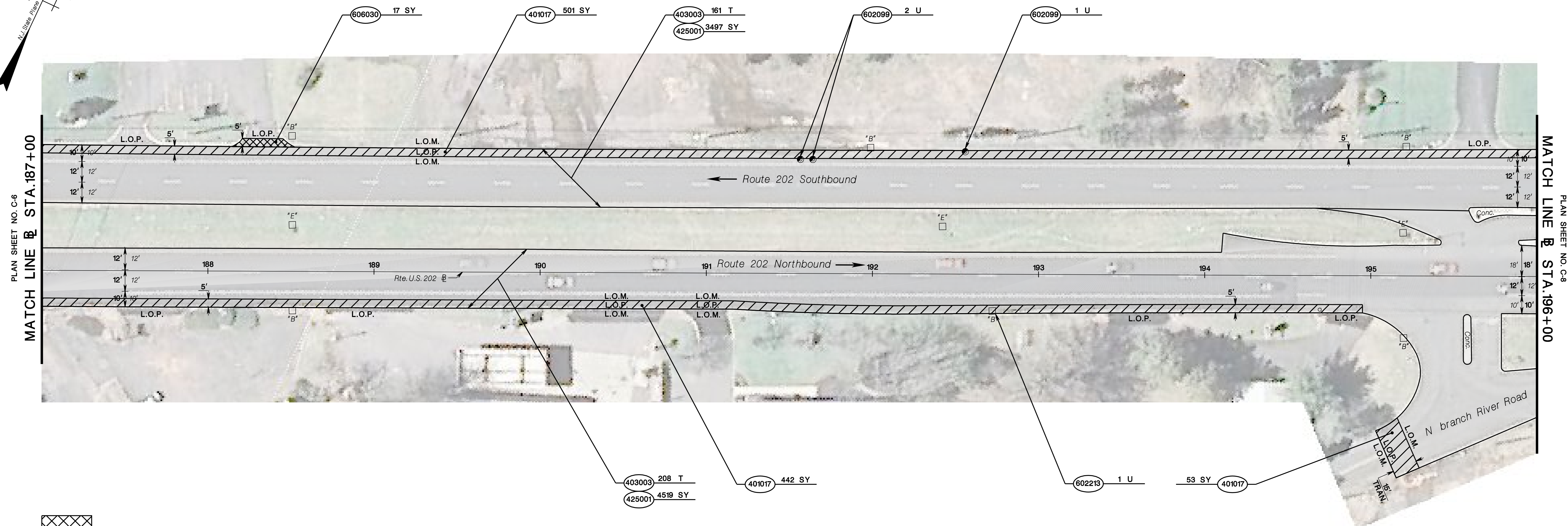
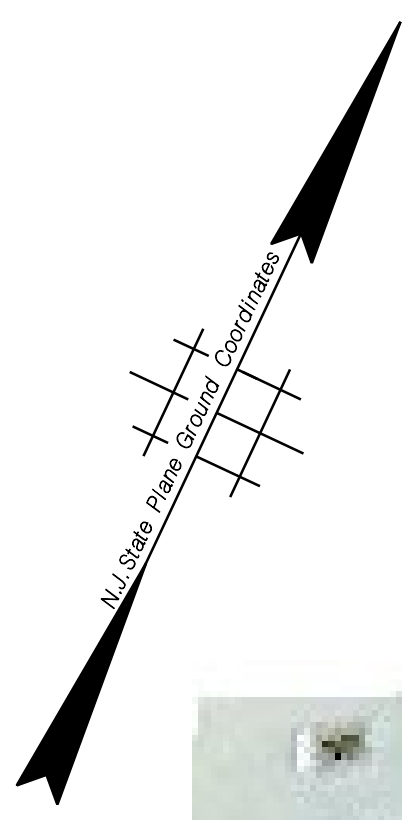
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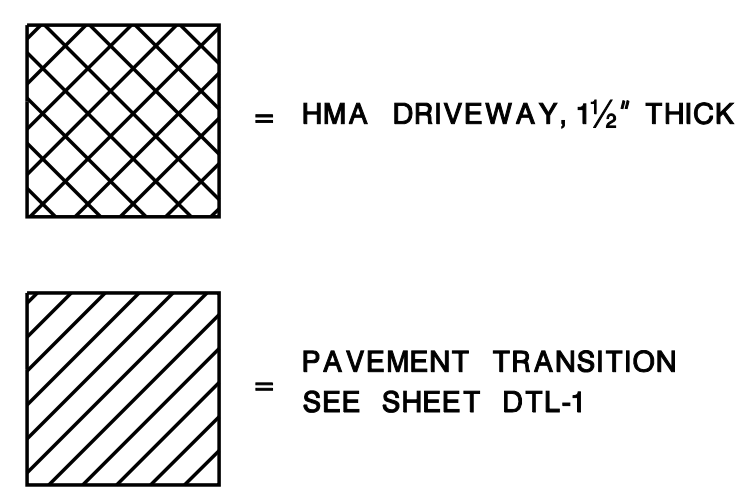
TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET

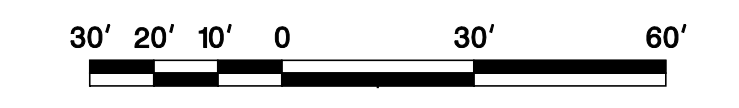


PLAN SHEET NO. C-6  
MATCH LINE @ STA. 187+00

PLAN SHEET NO. C-8  
MATCH LINE @ STA. 196+00



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	996 SY
403003M	ULTRA-THIN FRICTION COURSE	369 T
425001M	SCRUB SEAL	8016 SY
602099M	RESET EXISTING CASTING	3 U
602213M	CURB PIECE	1 U
606030P	HOT MIX ASPHALT DRIVEWAY, 1/2" THICK	17 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

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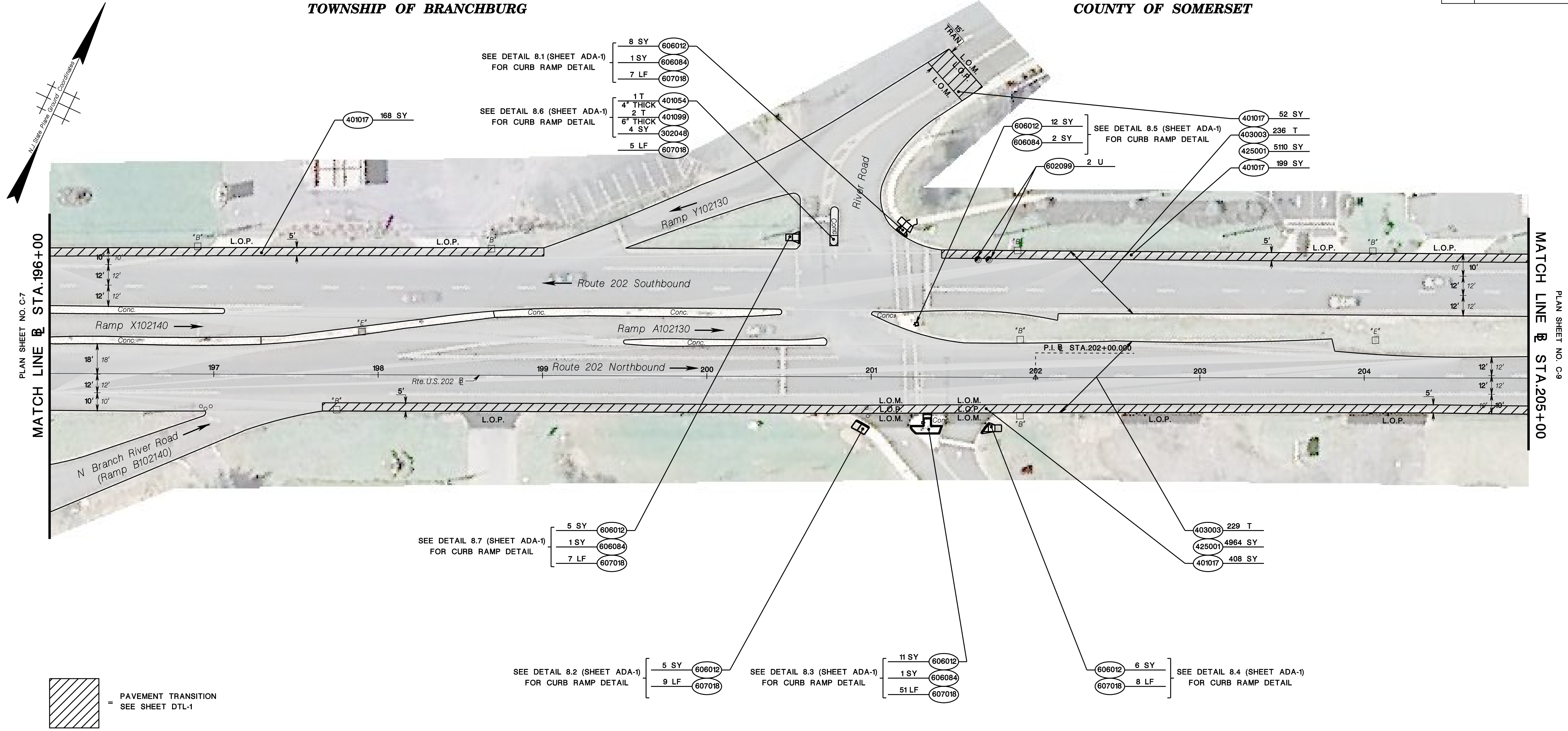
NJDOT Roadway Design Group 2

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TOWNSHIP OF BRANCHBURG

COUNTY OF SOMERSET



PLAN SHEET NO. C-7  
MATCH LINE B STA. 196+00

PLAN SHEET NO. C-9  
MATCH LINE B STA. 205+00



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
302048P	DENSE-GRADED AGGREGATE BASE COURSE, 12" THICK	4 SY
401017P	MICRO-MILLING	827 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	1 T
401099M	HOT MIX ASPHALT 25 M 64 BASE COURSE	2 T
403003M	ULTRA-THIN FRICTION COURSE	465 T
425001M	SCRUB SEAL	10074 SY
602099M	RESET EXISTING CASTING	2 U
606012P	CONCRETE SIDEWALK, 4" THICK	47 SY
606084P	DETECTABLE WARNING SURFACE	5 SY
607018P	9" X 16" CONCRETE VERTICAL CURB	87 LF



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

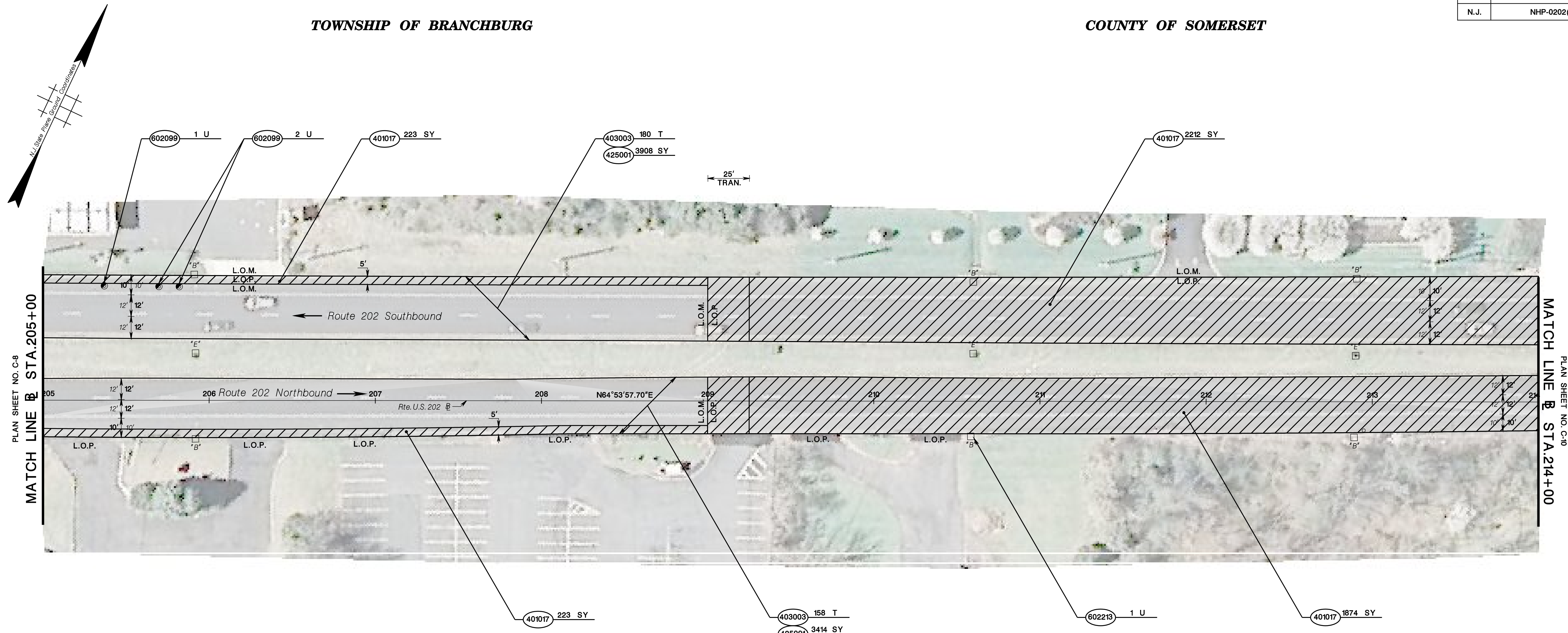
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TOWNSHIP OF BRANCHBURG

COUNTY OF SOMERSET

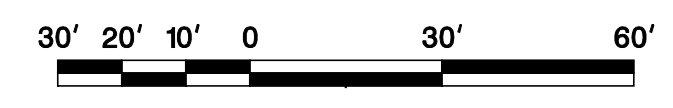


PLAN SHEET NO. C-8  
MATCH LINE @ STA. 205+00

PLAN SHEET NO. C-10  
MATCH LINE @ STA. 214+00



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	4532 SY
403003M	ULTRA-THIN FRICTION COURSE	338 T
425001M	SCRUB SEAL	7322 SY
602099M	RESET EXISTING CASTING	3 U
602213M	CURB PIECE	1 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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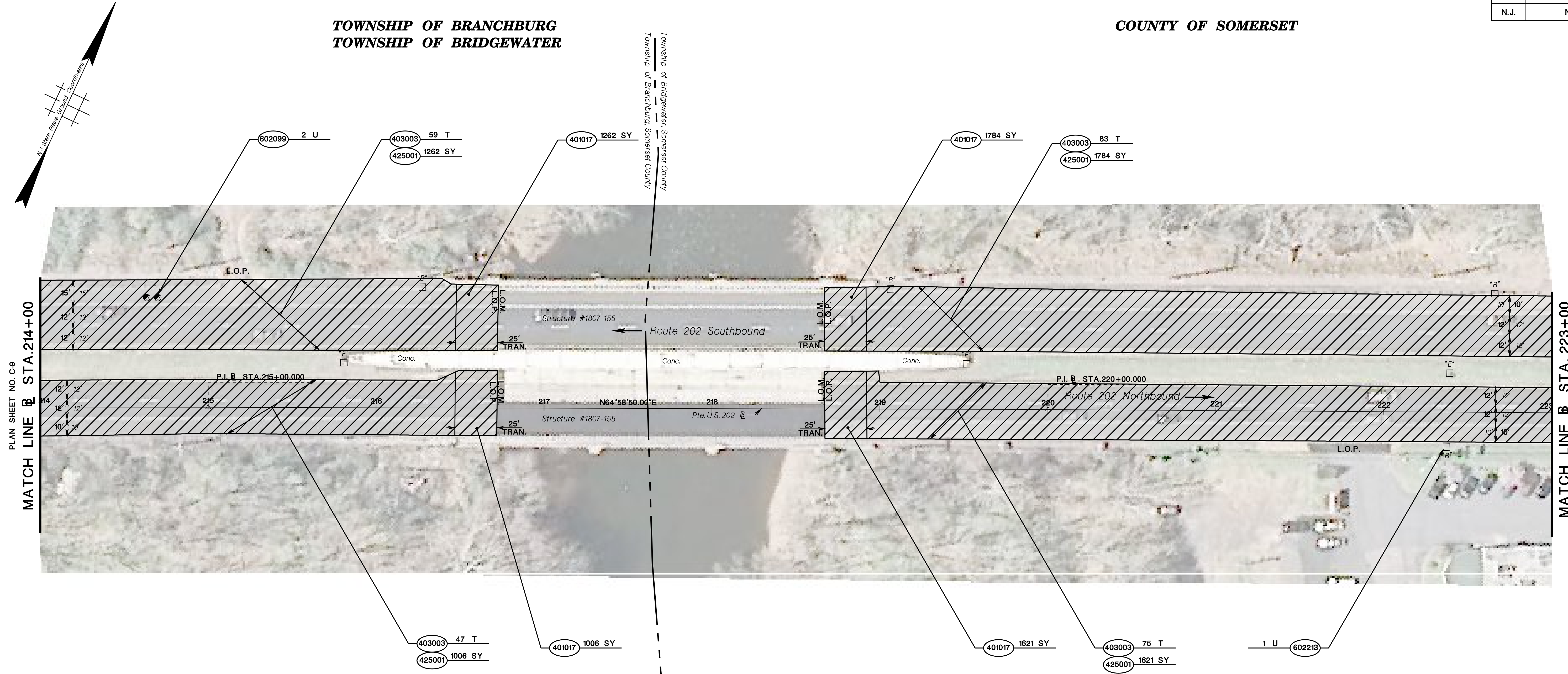
NJDOT Roadway Design Group 2

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**TOWNSHIP OF BRANCBURG  
TOWNSHIP OF BRIDGEWATER**

**COUNTY OF SOMERSET**



PLAN SHEET NO. C-9  
MATCH LINE @ STA. 214+00

MATCH LINE @ STA. 223+00  
PLAN SHEET NO. C-11

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	5673 SY
403003M	ULTRA-THIN FRICTION COURSE	264 T
425001M	SCRUB SEAL	5673 SY
602099M	RESET EXISTING CASTING	2 U
602213M	CURB PIECE	1 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

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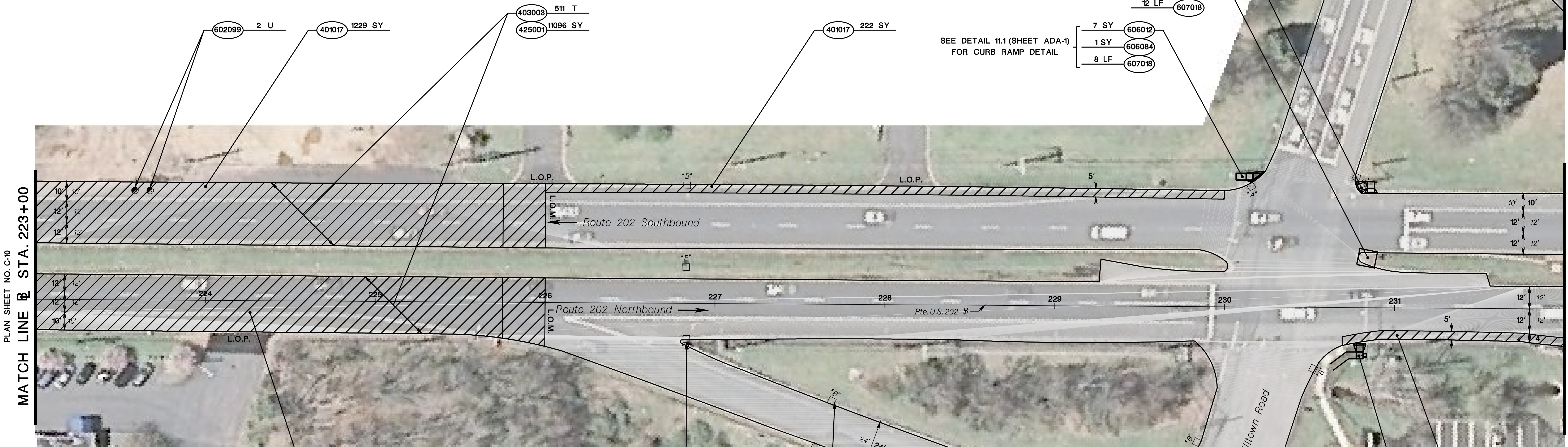
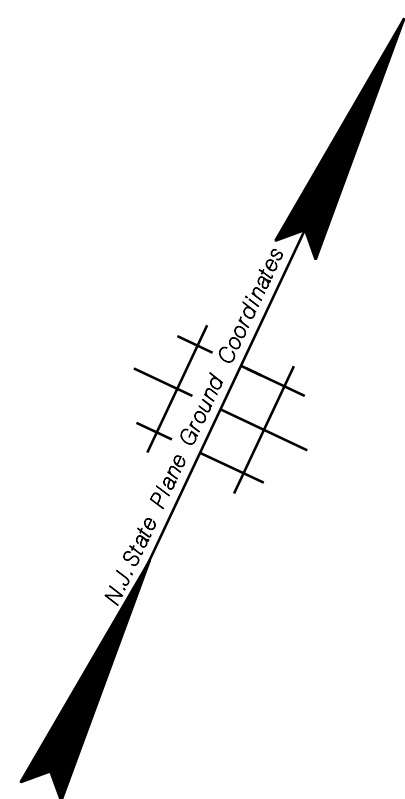
NJDOT Roadway Design Group 2

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TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



PLAN SHEET NO. C-10  
MATCH LINE @ STA. 223+00

PLAN SHEET NO. C-12  
MATCH LINE @ STA. 232+00

= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
302048P	DENSE-GRADED AGGREGATE BASE COURSE, 12" THICK	12 SY
401017P	MICRO-MILLING	2878 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	3 T
401099M	HOT MIX ASPHALT 25 M 64 BASE COURSE	4 T
403003M	ULTRA-THIN FRICTION COURSE	511 T
425001M	SCRUB SEAL	11096 SY
602099M	RESET EXISTING CASTING	2 U
602213M	CURB PIECE	3 U
606012P	CONCRETE SIDEWALK, 4" THICK	28 SY
606084P	DETECTABLE WARNING SURFACE	4 SY
607018P	9" X 16" CONCRETE VERTICAL CURB	41 LF

SEE DETAIL 11.2 (SHEET ADA-1)  
FOR CURB RAMP DETAIL

- 7 SY (606012)
- 2 SY (606084)
- 14 LF (607018)

SEE DETAIL 11.4 (SHEET ADA-1)  
FOR CURB RAMP DETAIL

- 3 T (401054)
- 4" THICK (401099)
- 4 T (401099)
- 6" THICK (302048)
- 12 SY (302048)
- 12 LF (607018)

SEE DETAIL 11.1 (SHEET ADA-1)  
FOR CURB RAMP DETAIL

- 7 SY (606012)
- 1 SY (606084)
- 8 LF (607018)

SEE DETAIL 11.3 (SHEET ADA-1)  
FOR CURB RAMP DETAIL

- 12 SY (606012)
- 1 SY (606084)
- 7 LF (607018)



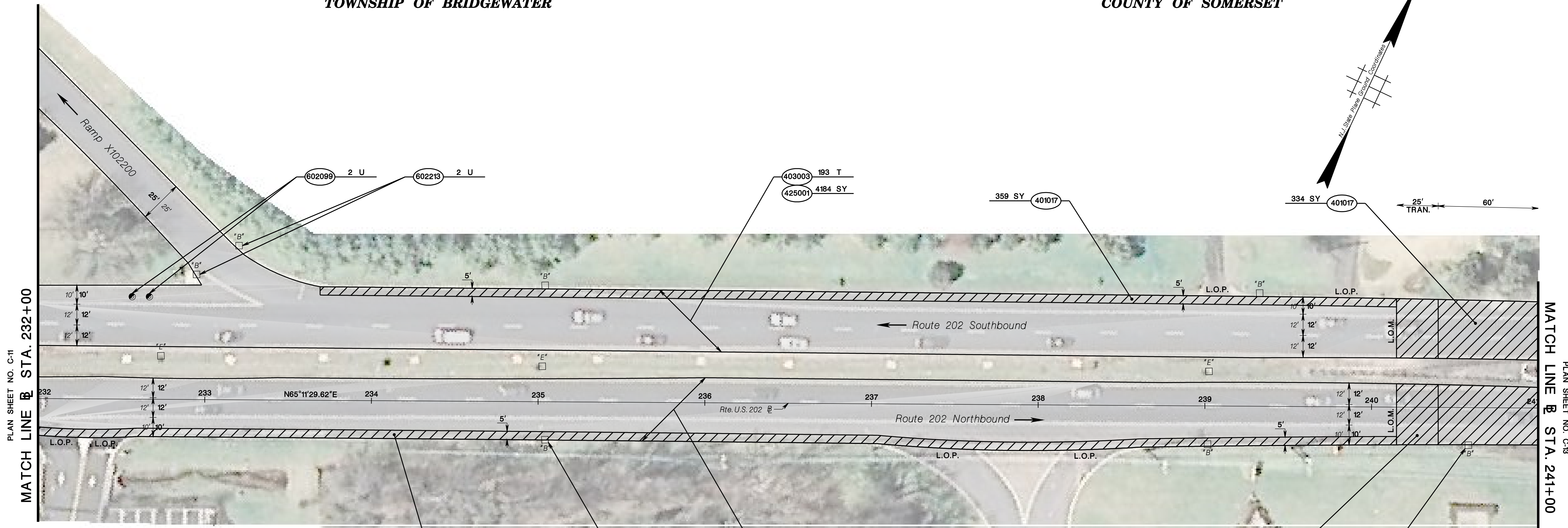
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



 = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1484 SY
403003M	ULTRA-THIN FRICTION COURSE	366 T
425001M	SCRUB SEAL	7937 SY
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602213M	CURB PIECE	4 U

NEW JERSEY DEPARTMENT OF TRANSPORTATION

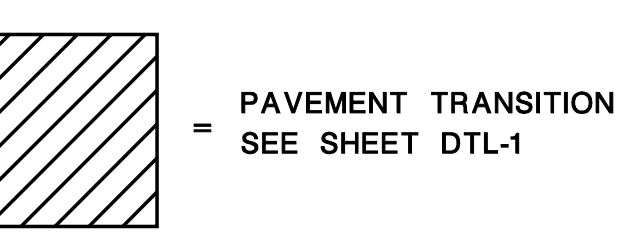
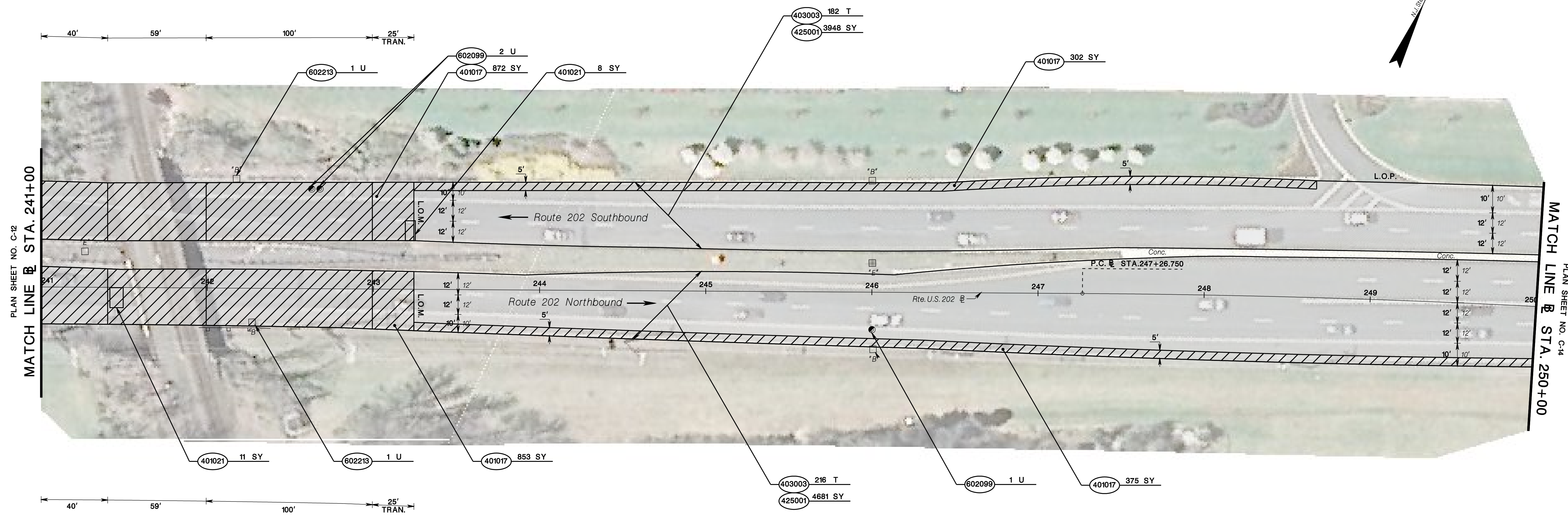
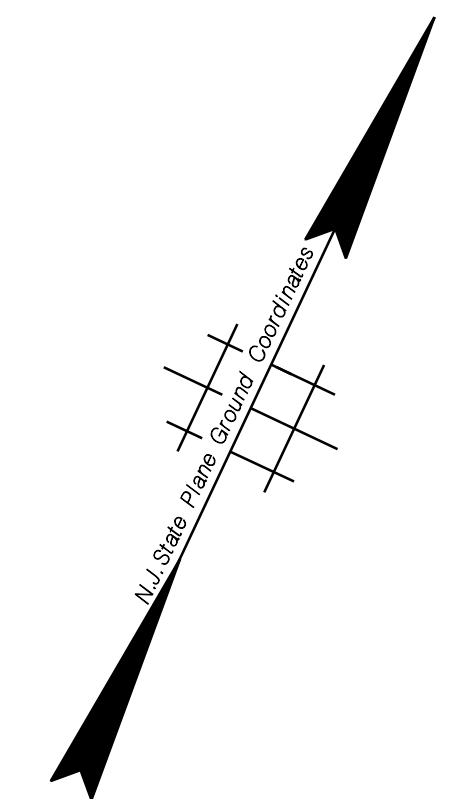
**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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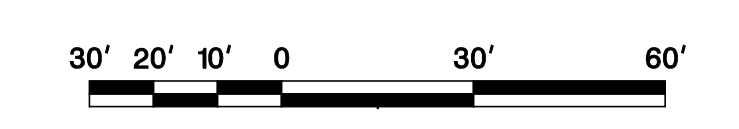
NJDOT Roadway Design Group 2

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STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	2402 SY
401021M	HOT MIX ASPHALT PAVEMENT REPAIR	19 SY
403003M	ULTRA-THIN FRICTION COURSE	398 T
425001M	SCRUB SEAL	8629 SY
602099M	RESET EXISTING CASTING	3 U
602213M	CURB PIECE	2 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202  
CONTRACT NO. 020223450

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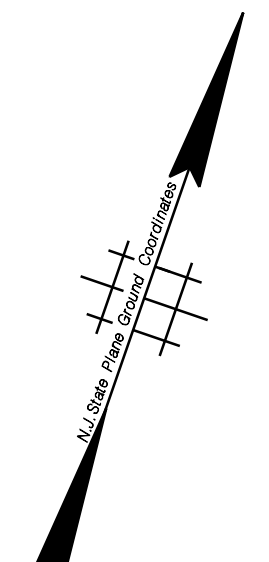
NJDOT Roadway Design Group 2

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**TOWNSHIP OF BRIDGEWATER**

**COUNTY OF SOMERSET**



SEE DETAIL 14.6 (SHEET ADA-2)  
FOR CONCRETE ISLAND DETAIL

- 2 T 401054
- 4" THICK 401099
- 3 T 302048
- 6" THICK 9 SY 607018
- 8 LF

SEE DETAIL 14.5 (SHEET ADA-2)  
FOR CONCRETE ISLAND DETAIL

- 1 T 401054
- 4" THICK 401099
- 2 T 302048
- 6" THICK 4 SY

SEE DETAIL 14.4 (SHEET ADA-2)  
FOR CURB RAMP DETAIL

- 5 SY 606012
- 1 SY 606084
- 7 LF 607018

SEE DETAIL 14.2 (SHEET ADA-2)  
FOR CURB RAMP DETAIL

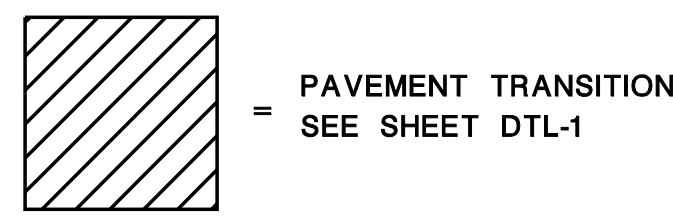
- 10 SY 606012
- 2 SY 606084
- 14 LF 607018

SEE DETAIL 14.3 (SHEET ADA-2)  
FOR CURB RAMP DETAIL

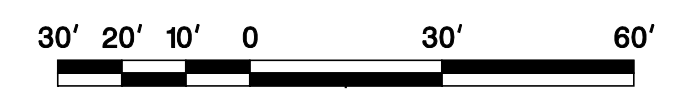
- 9 SY 606012
- 1 SY 606084
- 24 LF 607018

SEE DETAIL 14.1 (SHEET ADA-2)  
FOR CURB RAMP DETAIL

- 14 SY 606012
- 2 SY 606084
- 18 LF 607018



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
302048P	DENSE-GRADED AGGREGATE BASE COURSE, 12" THICK	13 SY
401017P	MICRO-MILLING	467 SY
401021M	HOT MIX ASPHALT PAVEMENT REPAIR	14 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	3 T
401099M	HOT MIX ASPHALT 25 M 64 BASE COURSE	5 T
403003M	ULTRA-THIN FRICTION COURSE	503 T
425001M	SCRUB SEAL	10918 SY
602099M	RESET EXISTING CASTING	9 U
606012P	CONCRETE SIDEWALK, 4" THICK	38 SY
606084P	DETECTABLE WARNING SURFACE	6 SY
607018P	9" X 16" CONCRETE VERTICAL CURB	71 LF



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

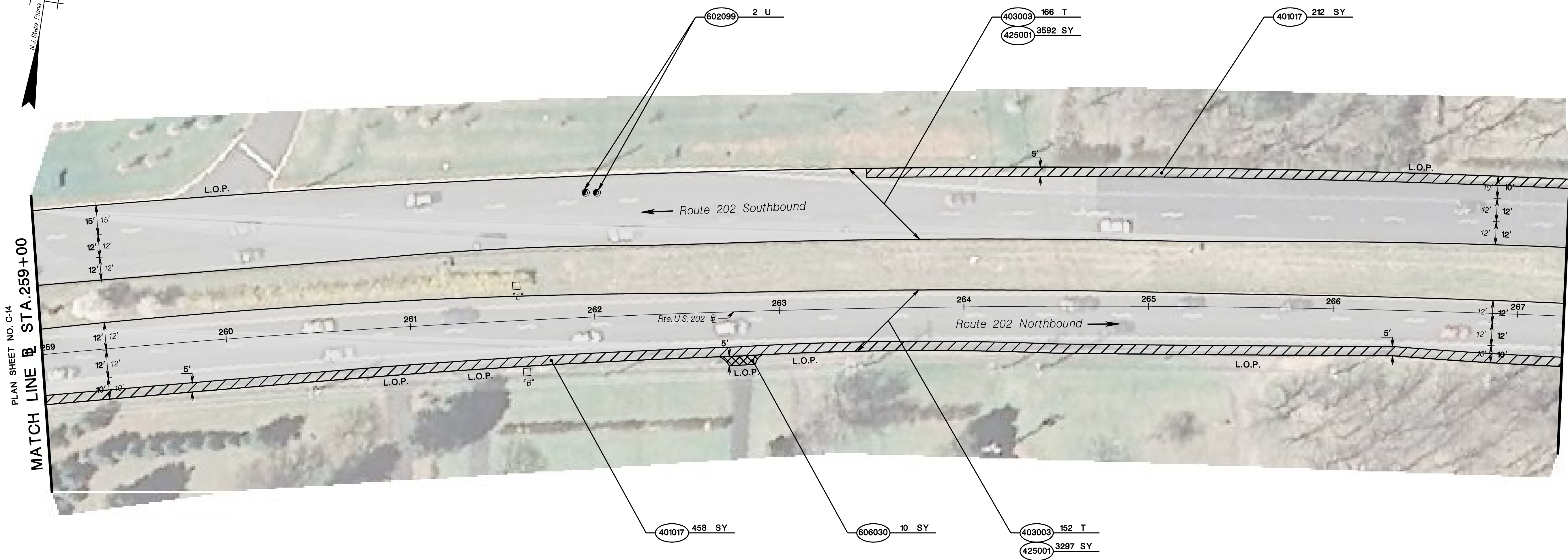
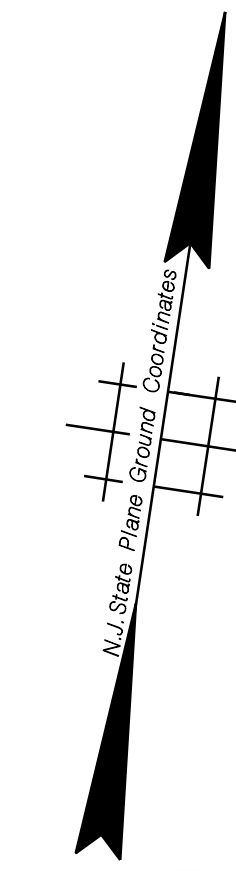
ROUTE 202

CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

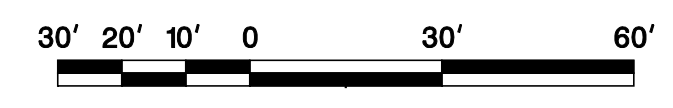
COUNTY OF SOMERSET



PLAN SHEET NO. C-14  
MATCH LINE B STA. 259+00

PLAN SHEET NO. C-16  
MATCH LINE B STA. 267+25

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	670 SY
403003M	ULTRA-THIN FRICTION COURSE	318 T
425001M	SCRUB SEAL	6889 SY
602099M	RESET EXISTING CASTING	2 U
606030P	HOT MIX ASPHALT DRIVEWAY, 1½" THICK	10 SY

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

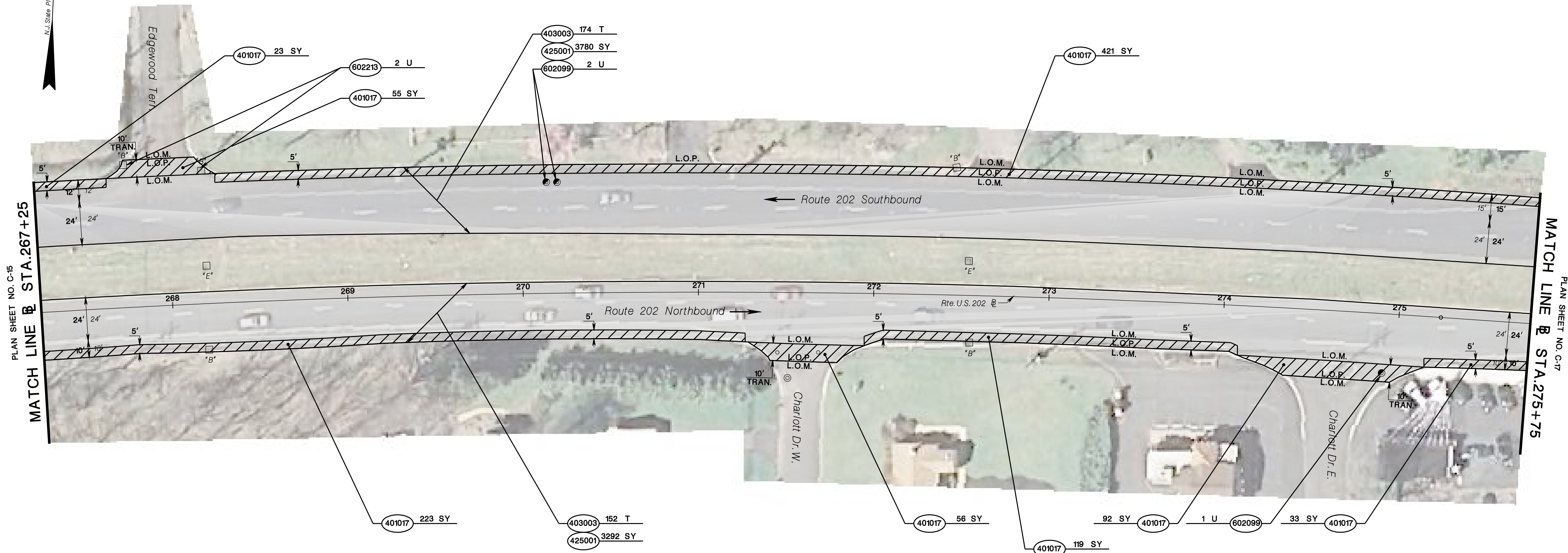
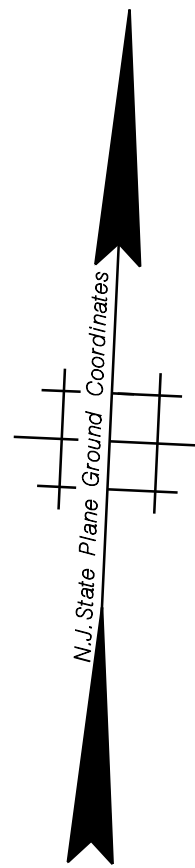
ROUTE 202

CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



PLAN SHEET NO. C-15  
MATCH LINE @ STA. 267+25

PLAN SHEET NO. C-17  
MATCH LINE @ STA. 275+75

= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1022 SY
403003M	ULTRA-THIN FRICTION COURSE	326 T
425001M	SCRUB SEAL	7072 SY
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602213M	CURB PIECE	2 U



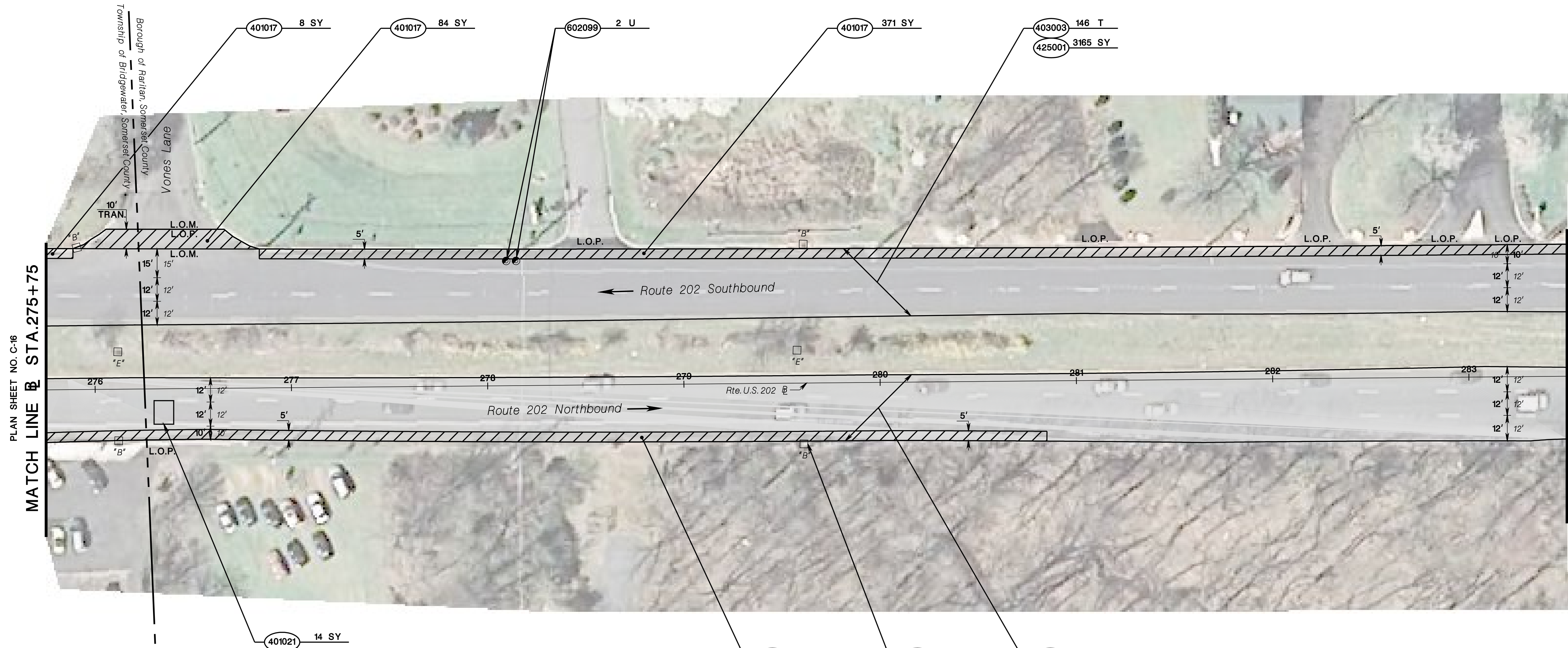
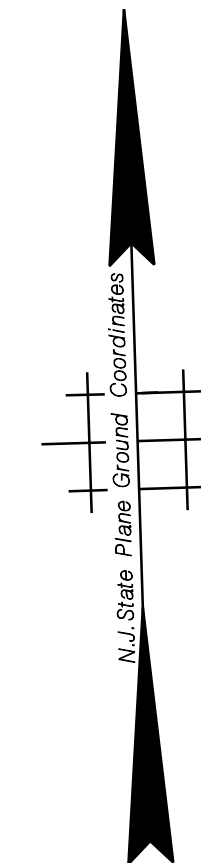
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450



**TOWNSHIP OF BRIDGEWATER  
BOROUGH OF RARITAN**

**COUNTY OF SOMERSET**

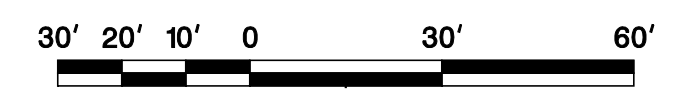


PLAN SHEET NO. C-16  
MATCH LINE @ STA. 275+75

MATCH LINE @ STA. 283+50  
PLAN SHEET NO. C-18

= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	747 SY
401021M	HOT MIX ASPHALT PAVEMENT REPAIR	14 SY
403003M	ULTRA-THIN FRICTION COURSE	281 T
425001M	SCRUB SEAL	6093 SY
602099M	RESET EXISTING CASTING	2 U
602213M	CURB PIECE	1 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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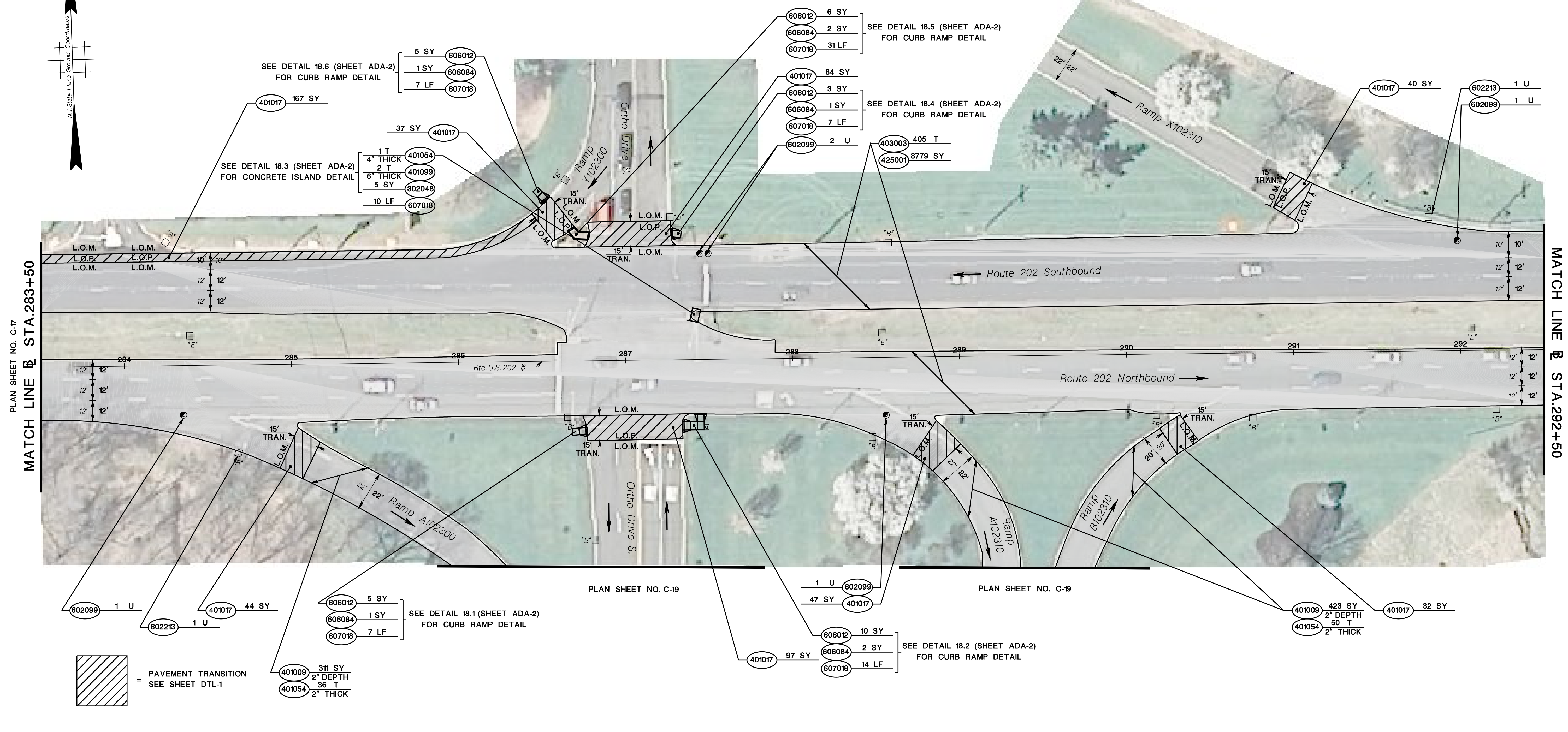
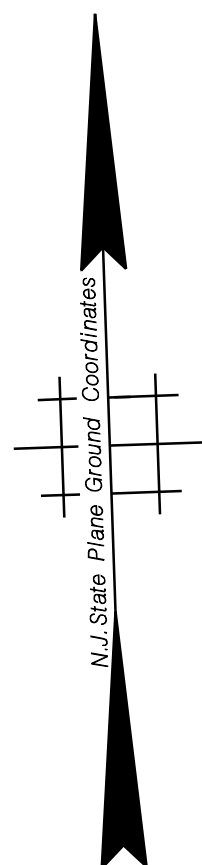
NJDOT Roadway Design Group 2

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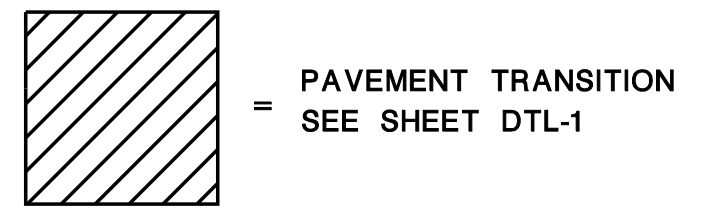
**BOROUGH OF RARITAN**

**COUNTY OF SOMERSET**

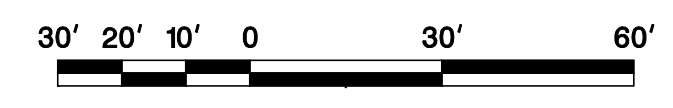


PLAN SHEET NO. C-17  
MATCH LINE R STA. 283+50

PLAN SHEET NO. C-20  
MATCH LINE R STA. 292+50



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
302048P	DENSE-GRADED AGGREGATE BASE COURSE, 12" THICK	5 SY
401009P	HMA MILLING, 3" OR LESS	734 SY
401017P	MICRO-MILLING	548 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	87 T
401099M	HOT MIX ASPHALT 25 M 64 BASE COURSE	2 T
403003M	ULTRA-THIN FRICTION COURSE	405 T
425001M	SCRUB SEAL	8779 SY
602099M	RESET EXISTING CASTING	5 U
602213M	CURB PIECE	2 U
606012P	CONCRETE SIDEWALK, 4" THICK	29 SY
606084P	DETECTABLE WARNING SURFACE	7 SY
607018P	9" X 16" CONCRETE VERTICAL CURB	76 LF



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

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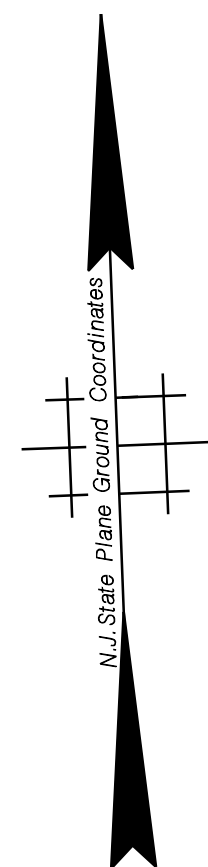
NJDOT Roadway Design Group 2

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BOROUGH OF RARITAN

COUNTY OF SOMERSET



PLAN SHEET NO. C-18

PLAN SHEET NO. C-18



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401009P	HMA MILLING, 3" OR LESS	1828 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	211 T



NEW JERSEY DEPARTMENT OF TRANSPORTATION

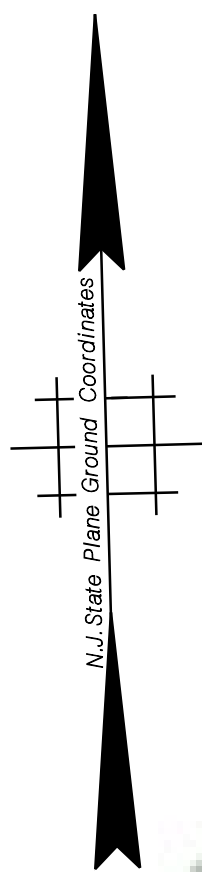
**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

BOROUGH OF RARITAN

COUNTY OF SOMERSET

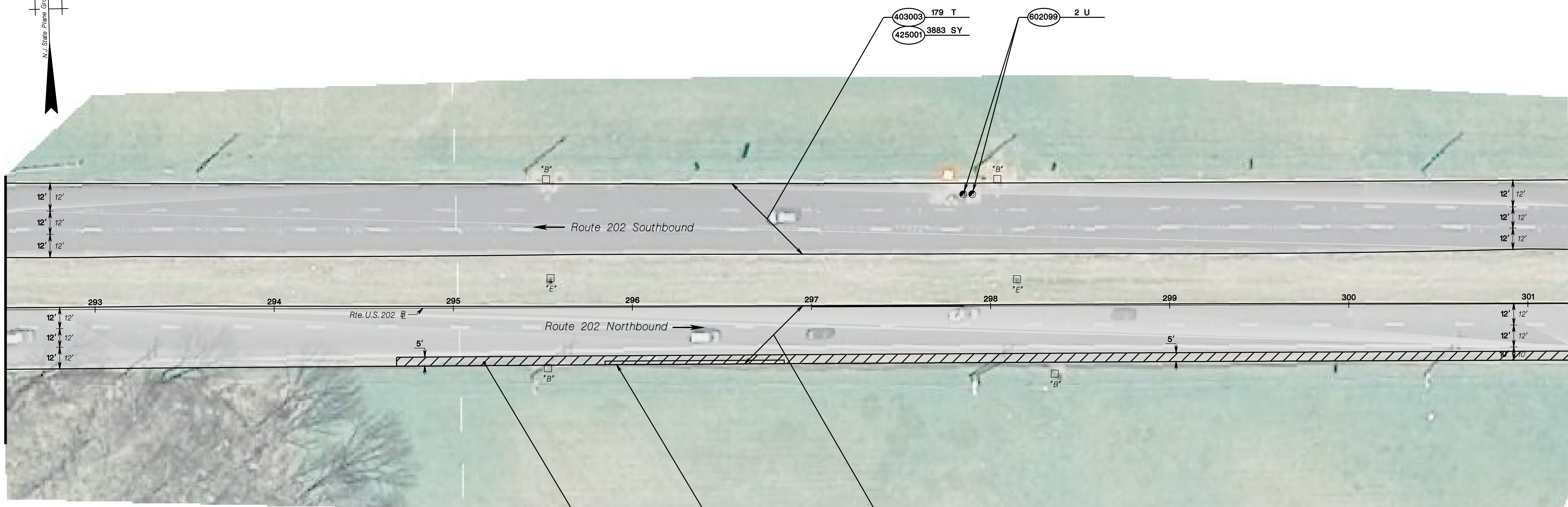


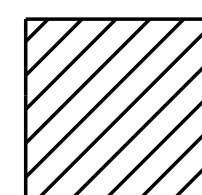
PLAN SHEET NO. C-18

MATCH LINE @ STA. 292+50

MATCH LINE @ STA. 301+25

PLAN SHEET NO. C-21



 = PAVEMENT TRANSITION  
SEE SHEET DTL-1



C-20  
C-40

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	365 SY
401021M	HOT MIX ASPHALT PAVEMENT REPAIR	23 SY
403003M	ULTRA-THIN FRICTION COURSE	326 T
425001M	SCRUB SEAL	7077 SY
602099M	RESET EXISTING CASTING	2 U

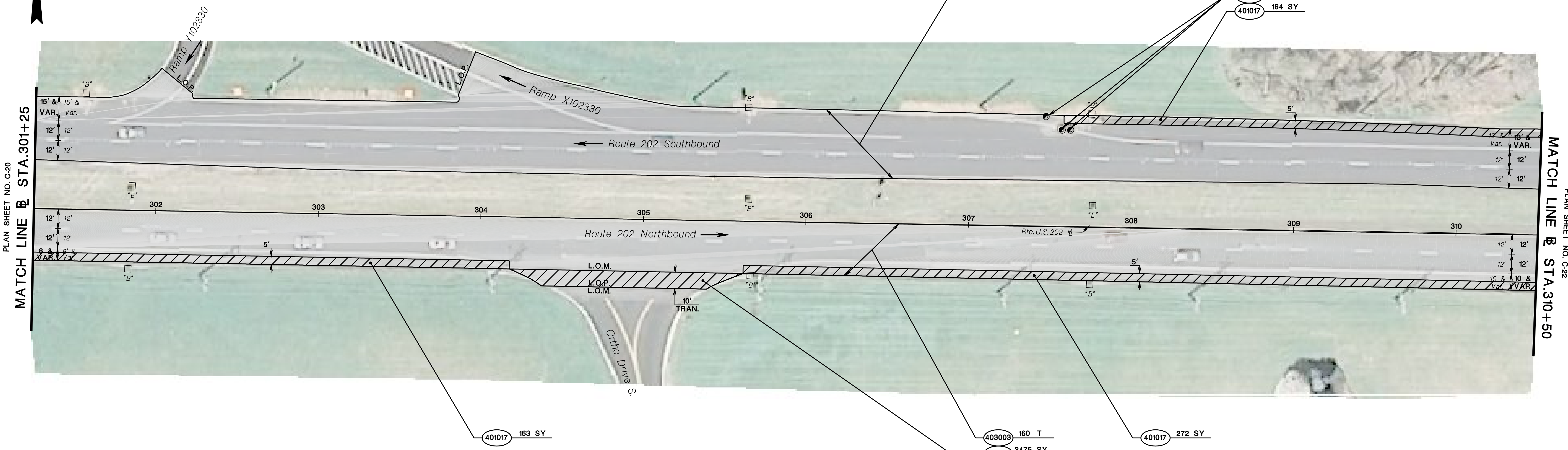
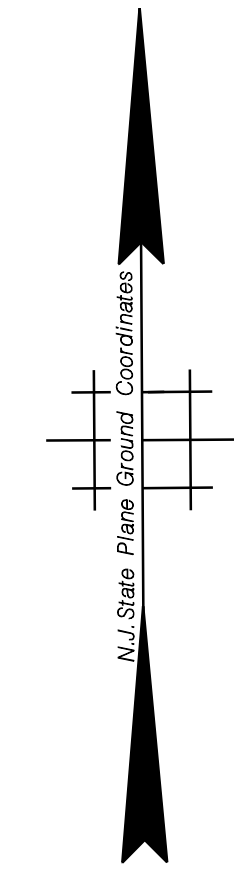
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450



BOROUGH OF RARITAN

COUNTY OF SOMERSET

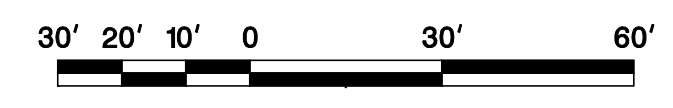


PLAN SHEET NO. C-20  
MATCH LINE @ STA. 301+25

PLAN SHEET NO. C-22  
MATCH LINE @ STA. 310+50

= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	734 SY
403003M	ULTRA-THIN FRICTION COURSE	364 T
425001M	SCRUB SEAL	7902 SY
602099M	RESET EXISTING CASTING	3 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

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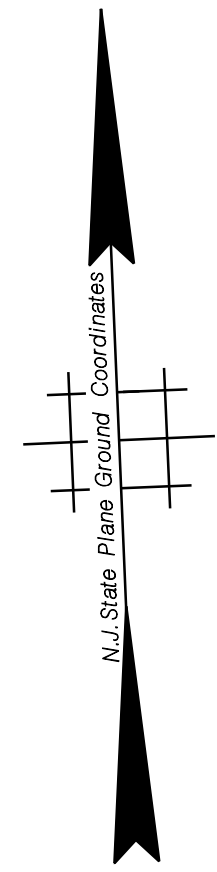
NJDOT Roadway Design Group 2

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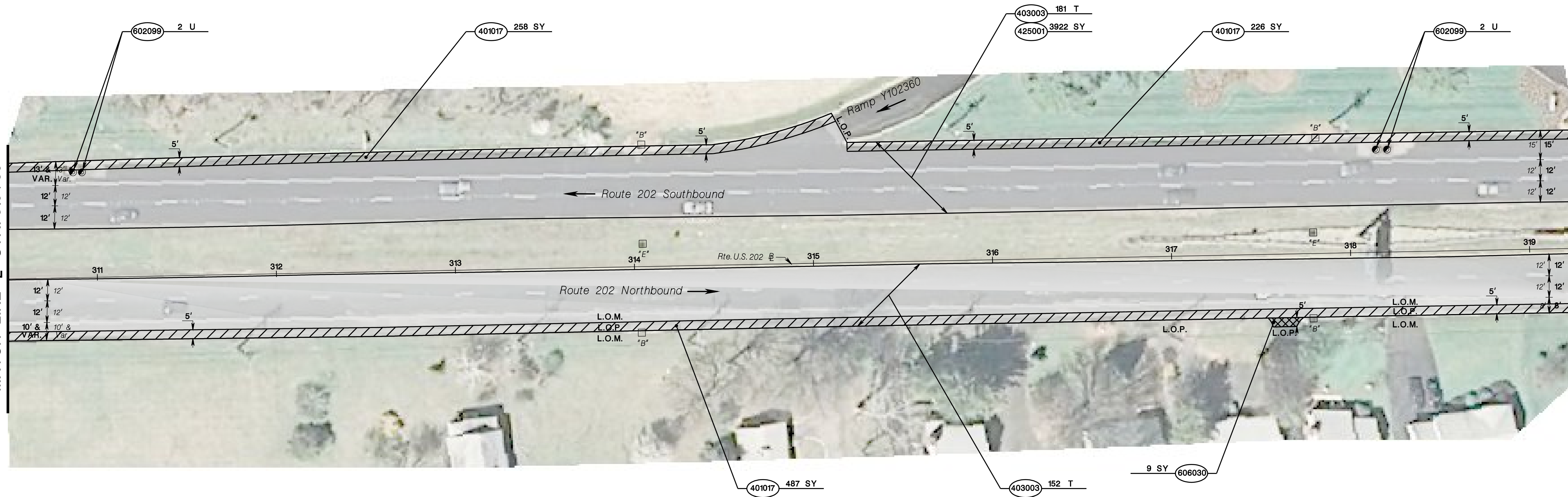
BOROUGH OF RARITAN

COUNTY OF SOMERSET



PLAN SHEET NO. C-21  
MATCH LINE @ STA. 310+50

PLAN SHEET NO. C-23  
MATCH LINE @ STA. 319+25



- = HMA DRIVEWAY 1½" THICK
- = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	971 SY
403003M	ULTRA-THIN FRICTION COURSE	333 T
425001M	SCRUB SEAL	7209 SY
602099M	RESET EXISTING CASTING	4 U
606030P	HOT MIX ASPHALT DRIVEWAY, 1½" THICK	9 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

C-22  
C-40

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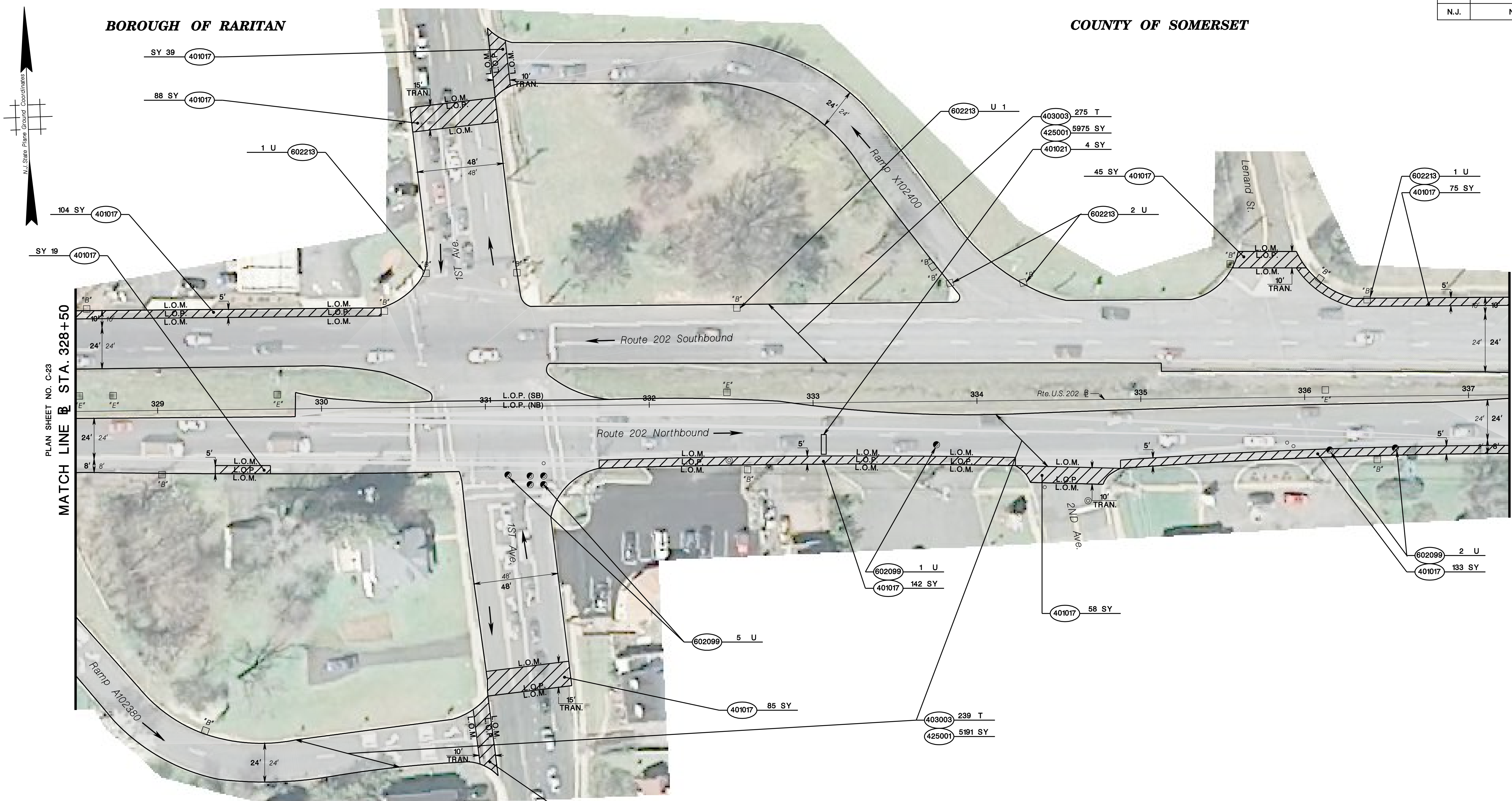






BOROUGH OF RARITAN

COUNTY OF SOMERSET

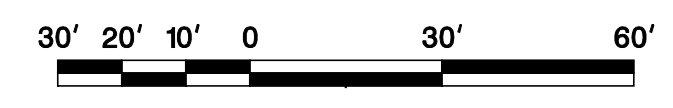


PLAN SHEET NO. C-23  
MATCH LINE @ STA. 328+50

MATCH LINE @ STA. 337+25  
PLAN SHEET NO. C-25



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	833 SY
401021M	HOT MIX ASPHALT PAVEMENT REPAIR	4 SY
403003M	ULTRA-THIN FRICTION COURSE	514 T
425001M	SCRUB SEAL	11166 SY
602099M	RESET EXISTING CASTING	8 U
602213M	CURB PIECE	5 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

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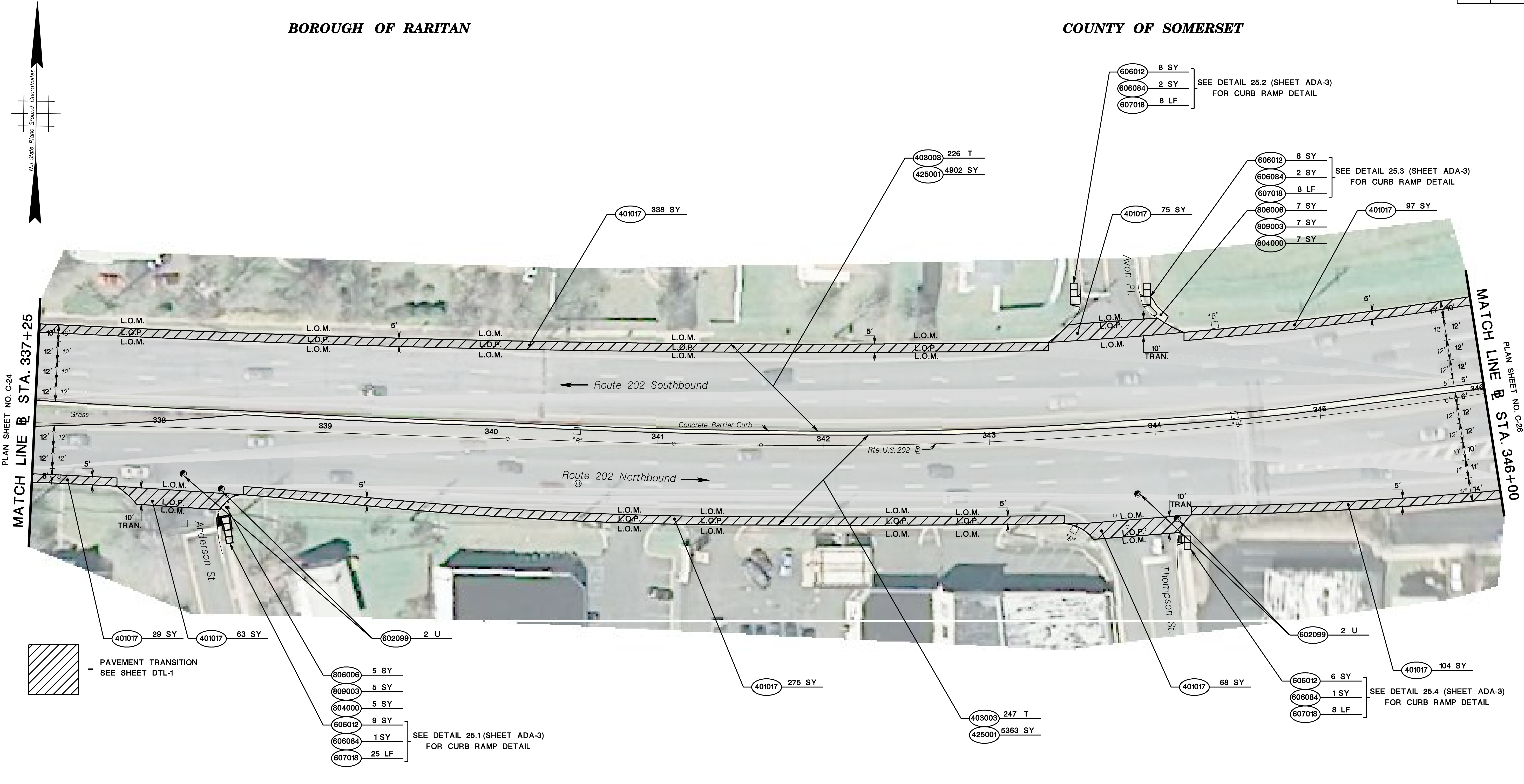
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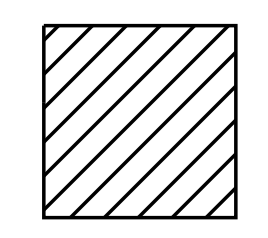
BOROUGH OF RARITAN

COUNTY OF SOMERSET



PLAN SHEET NO. C-24  
MATCH LINE @ STA. 337+25

MATCH LINE @ STA. 346+00  
PLAN SHEET NO. C-26



PAVEMENT TRANSITION  
SEE SHEET DTL-1

- (606006) 5 SY
  - (609003) 5 SY
  - (604000) 5 SY
  - (606012) 9 SY
  - (606084) 1 SY
  - (607018) 25 LF
- SEE DETAIL 25.1 (SHEET ADA-3)  
FOR CURB RAMP DETAIL

- (403003) 247 T
- (425001) 5363 SY

- (606012) 6 SY
  - (606084) 1 SY
  - (607018) 8 LF
- SEE DETAIL 25.4 (SHEET ADA-3)  
FOR CURB RAMP DETAIL

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1049 SY
403003M	ULTRA-THIN FRICTION COURSE	473 T
425001M	SCRUB SEAL	10265 SY
602099M	RESET EXISTING CASTING	4 U
606012P	CONCRETE SIDEWALK, 4" THICK	31 SY
606084P	DETECTABLE WARNING SURFACE	6 SY
607018P	9" X 16" CONCRETE VERTICAL CURB	49 LF
804000P	TOPSOIL SPREADING " THICK	12 SY
806006P	FERTILIZING AND SEEDING, TYPE A-3	12 SY
809003M	STRAW MULCHING	12 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

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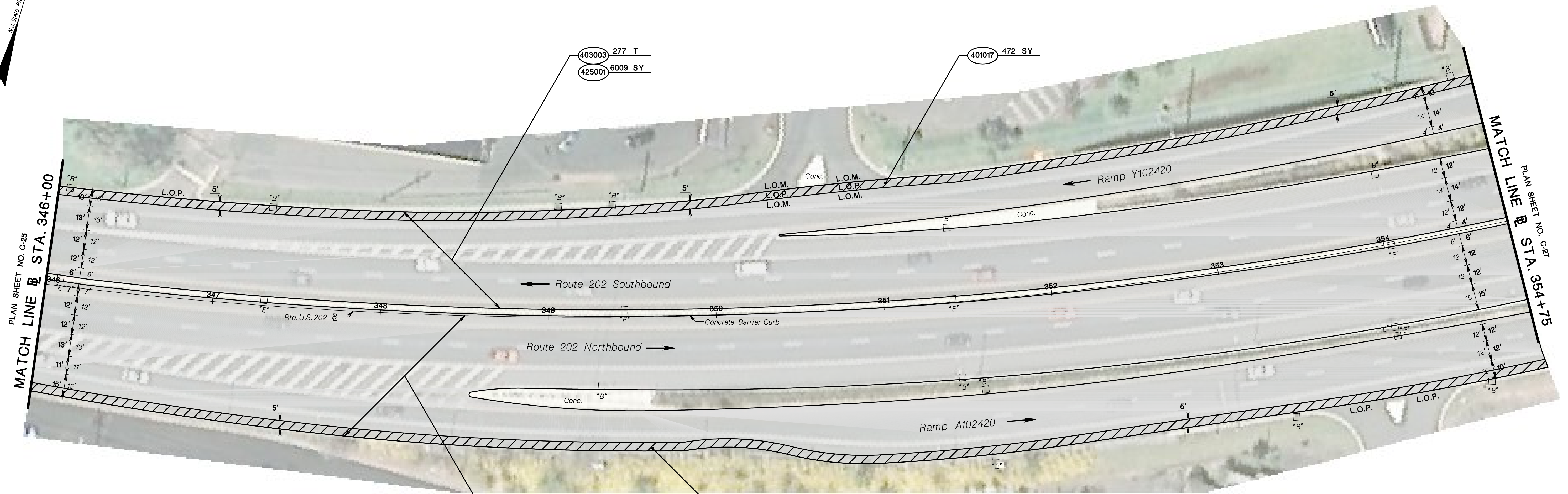
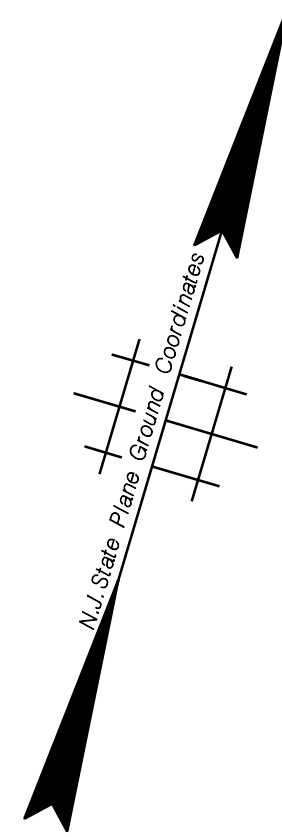
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BOROUGH OF RARITAN

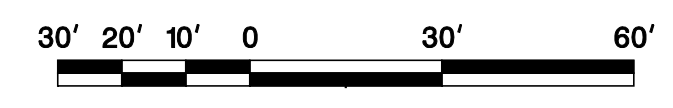
COUNTY OF SOMERSET



PLAN SHEET NO. C-25  
MATCH LINE @ STA. 346+00

PLAN SHEET NO. C-21  
MATCH LINE @ STA. 354+75

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	978 SY
403003M	ULTRA-THIN FRICTION COURSE	625 T
425001M	SCRUB SEAL	13565 SY

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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NJDOT Roadway Design Group 2

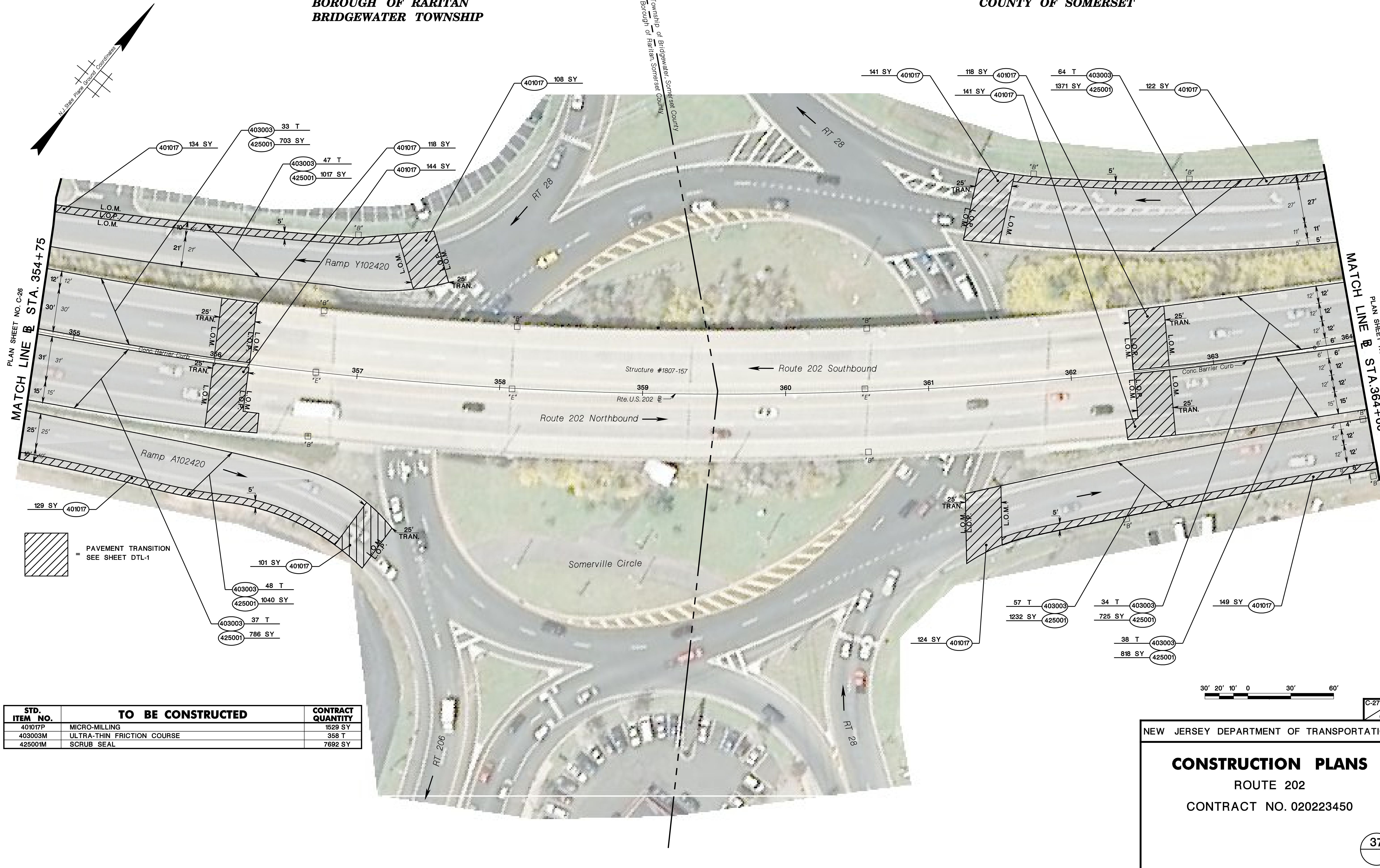
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**BOROUGH OF RARITAN  
BRIDGEWATER TOWNSHIP**

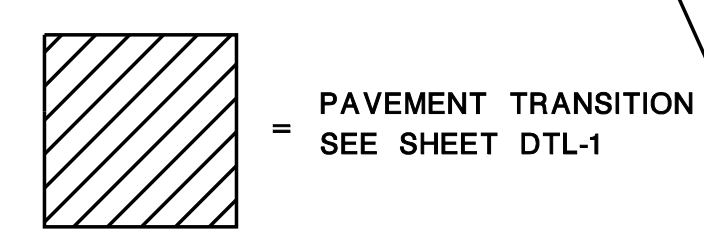
**COUNTY OF SOMERSET**

Township of Bridgewater, Somerset County  
Borough of Raritan, Somerset County

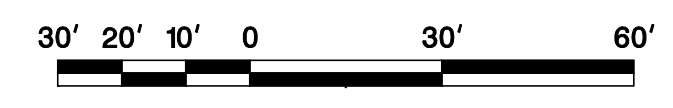


PLAN SHEET NO. C-26  
MATCH LINE @ STA. 354+75

PLAN SHEET NO. C-28  
MATCH LINE @ STA. 364+00



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1529 SY
403003M	ULTRA-THIN FRICTION COURSE	358 T
425001M	SCRUB SEAL	7892 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

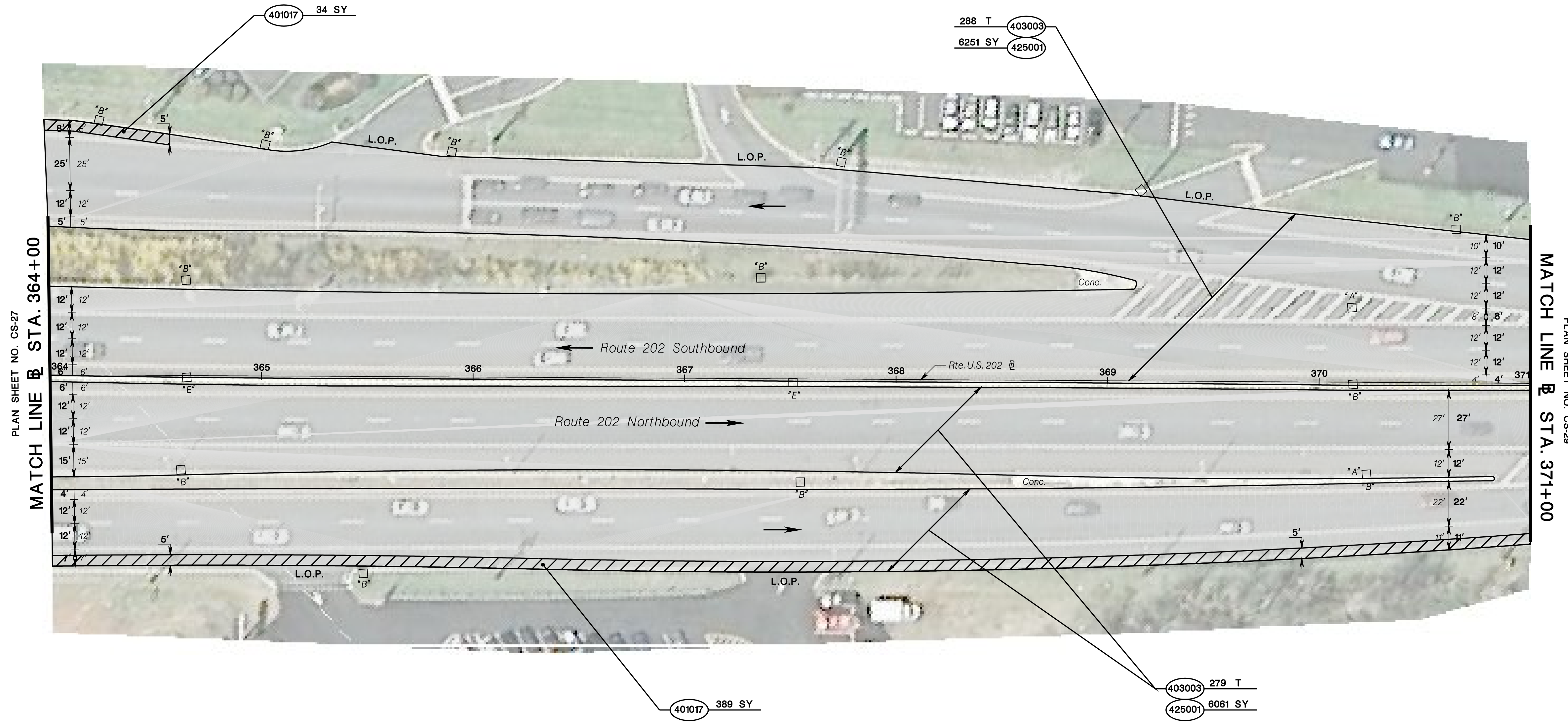
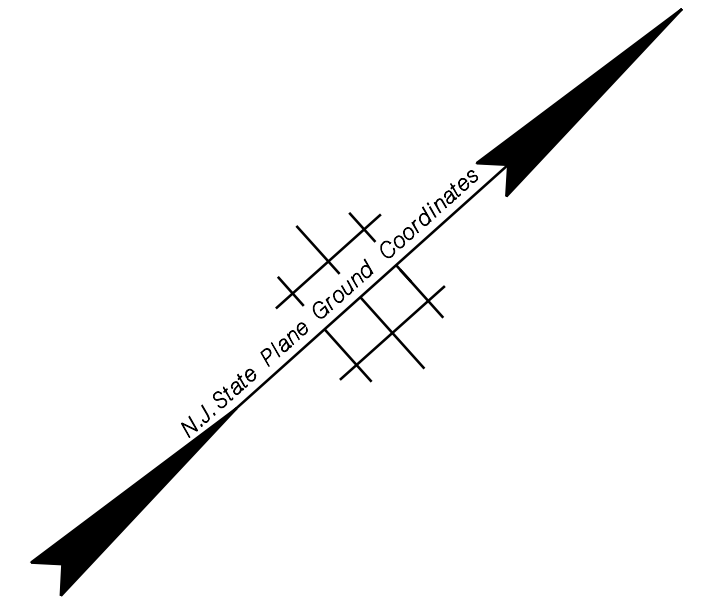
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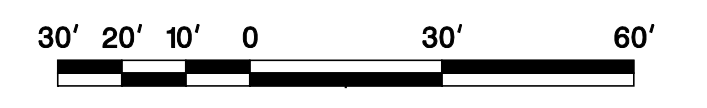


PLAN SHEET NO. CS-27  
MATCH LINE @ STA. 364+00

PLAN SHEET NO. CS-29  
MATCH LINE @ STA. 371+00



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	423 SY
403003M	ULTRA-THIN FRICTION COURSE	567 T
425001M	SCRUB SEAL	12312 SY



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**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

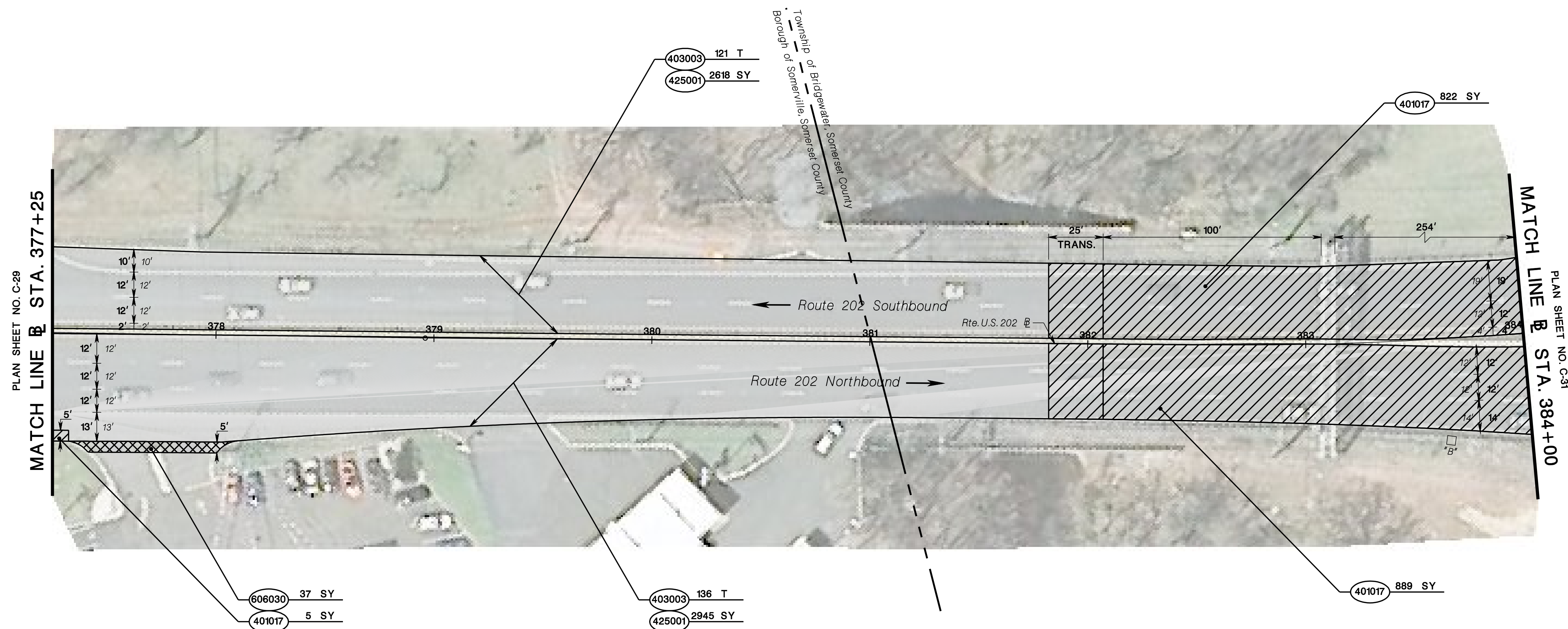
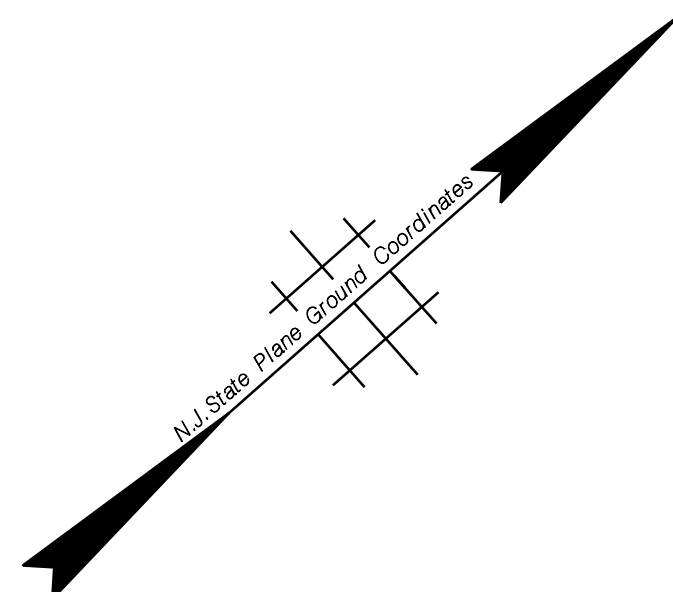






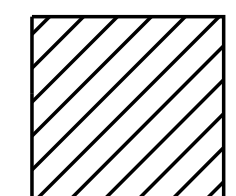
BRIDGEWATER TOWNSHIP

COUNTY OF SOMERSET

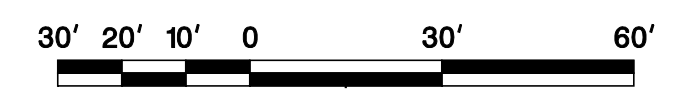


PLAN SHEET NO. C-29  
MATCH LINE B STA. 377+25

PLAN SHEET NO. C-31  
MATCH LINE B STA. 384+00

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	1716 SY
403003M	ULTRA-THIN FRICTION COURSE	257 T
425001M	SCRUB SEAL	5563 SY
606030P	HOT MIX ASPHALT DRIVEWAY, 1½" THICK	37 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

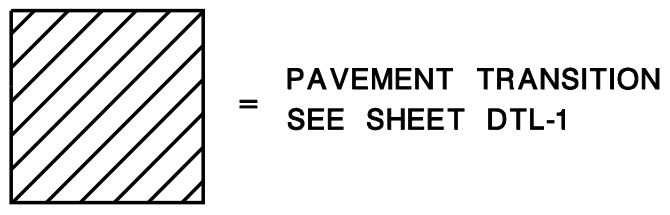
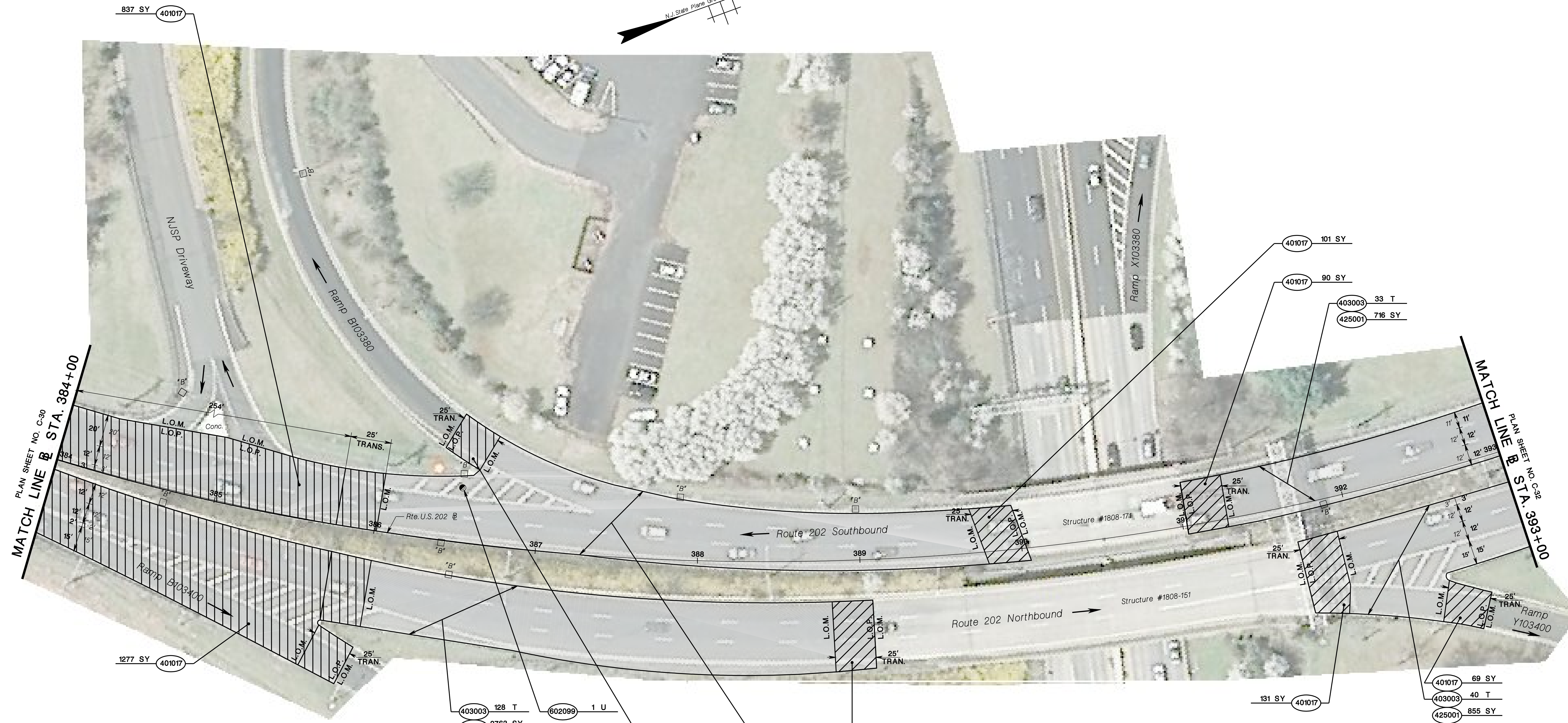
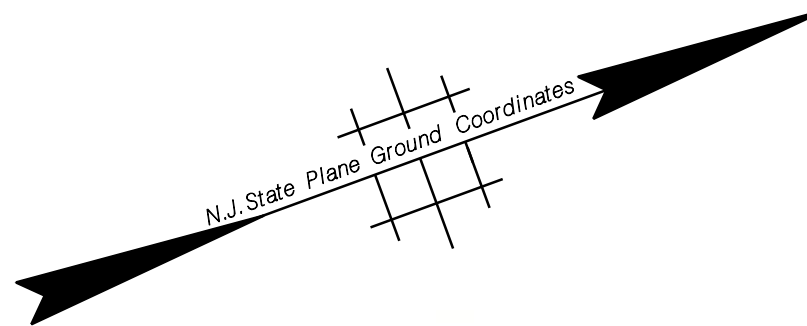
**CONSTRUCTION PLANS**  
ROUTE 202  
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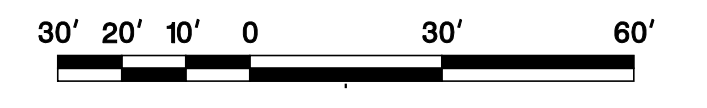
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STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	2691 SY
403003M	ULTRA-THIN FRICTION COURSE	325 T
425001M	SCRUB SEAL	7019 SY
602099M	RESET EXISTING CASTING	1 U



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**CONSTRUCTION PLANS**

ROUTE 202

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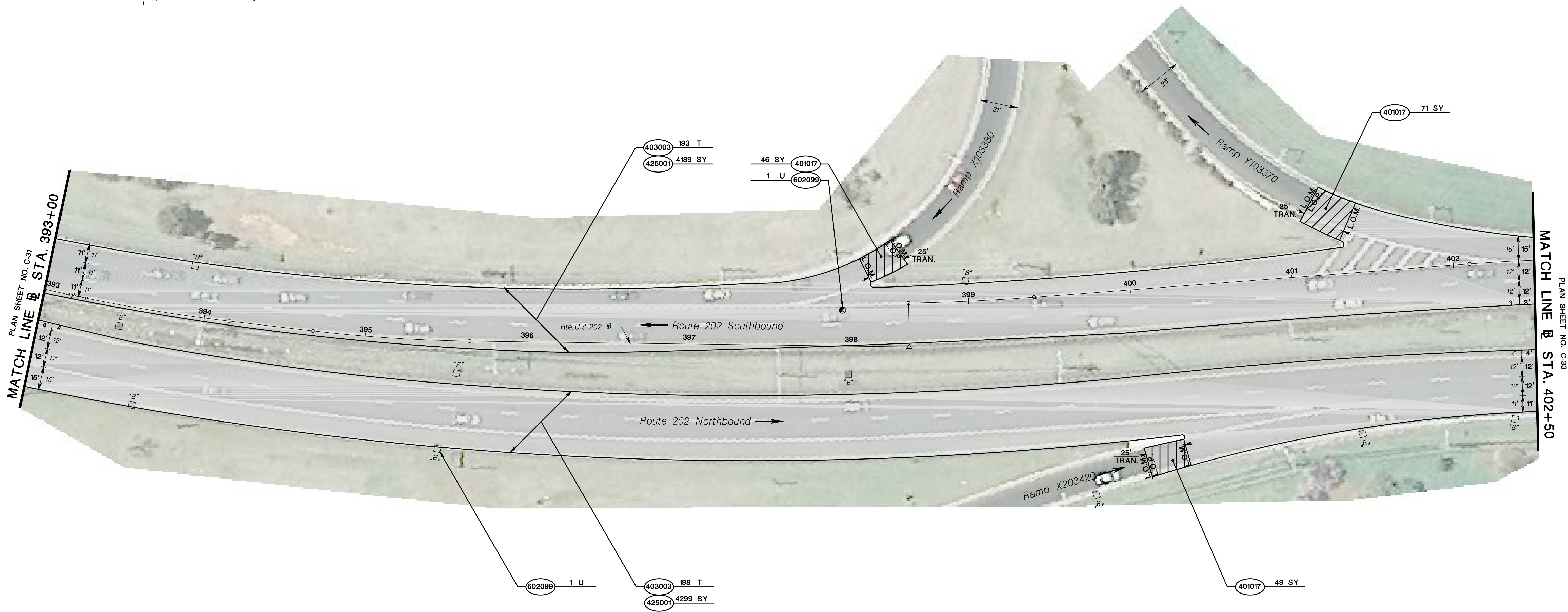
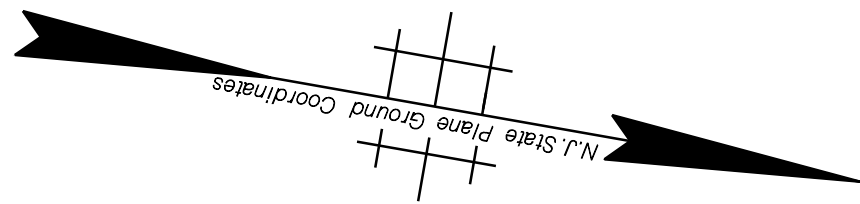
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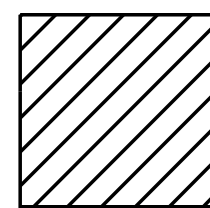
TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



PLAN SHEET NO. C-31  
MATCH LINE B STA. 393+00

PLAN SHEET NO. C-38  
MATCH LINE B STA. 402+50

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	166 SY
403003M	ULTRA-THIN FRICTION COURSE	391 T
425001M	SCRUB SEAL	8488 SY
602099M	RESET EXISTING CASTING	2 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

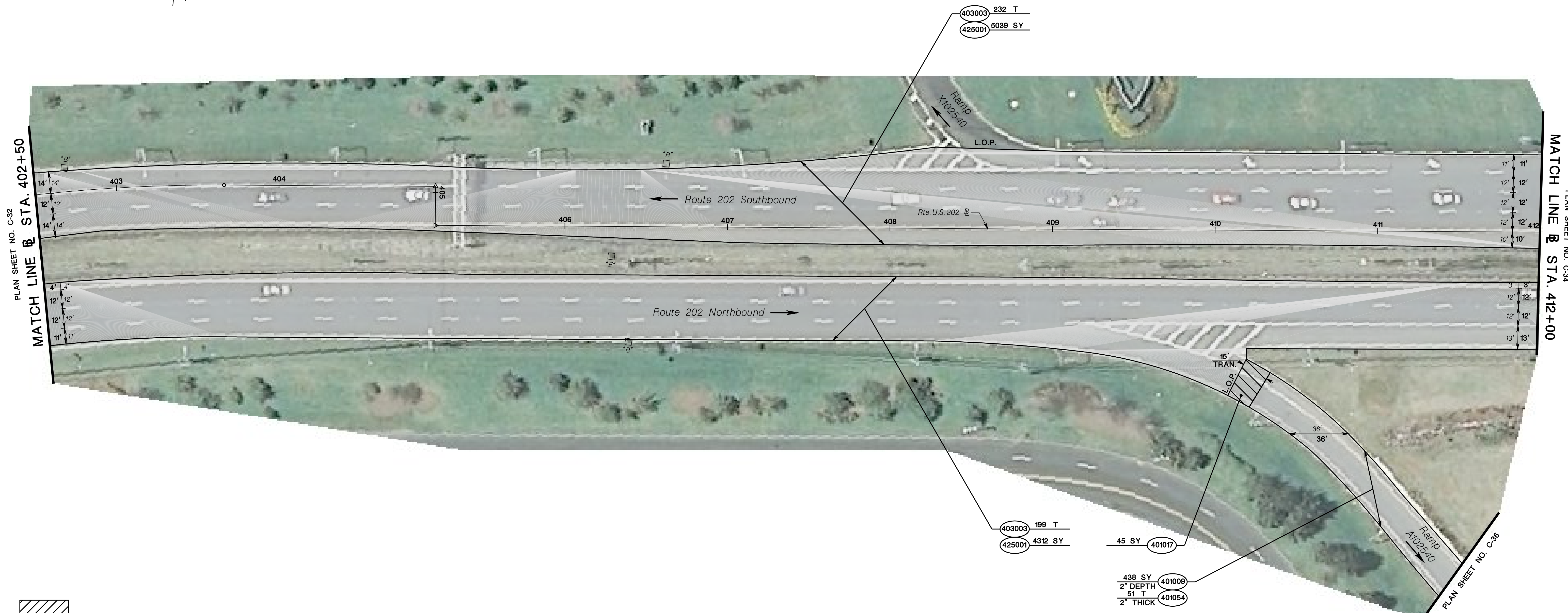
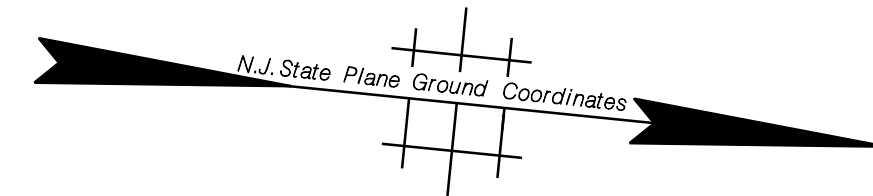
ROUTE 202

CONTRACT NO. 020223450



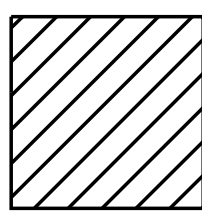
TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



PLAN SHEET NO. C-32  
MATCH LINE @ STA. 402+50

PLAN SHEET NO. C-34  
MATCH LINE @ STA. 412+00

 = PAVEMENT TRANSITION  
SEE SHEET DTL-1



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401009P	HMA MILLING, 3" OR LESS	438 SY
401017P	MICRO-MILLING	45 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	51 T
403003M	ULTRA-THIN FRICTION COURSE	431 T
425001M	SCRUB SEAL	9351 SY

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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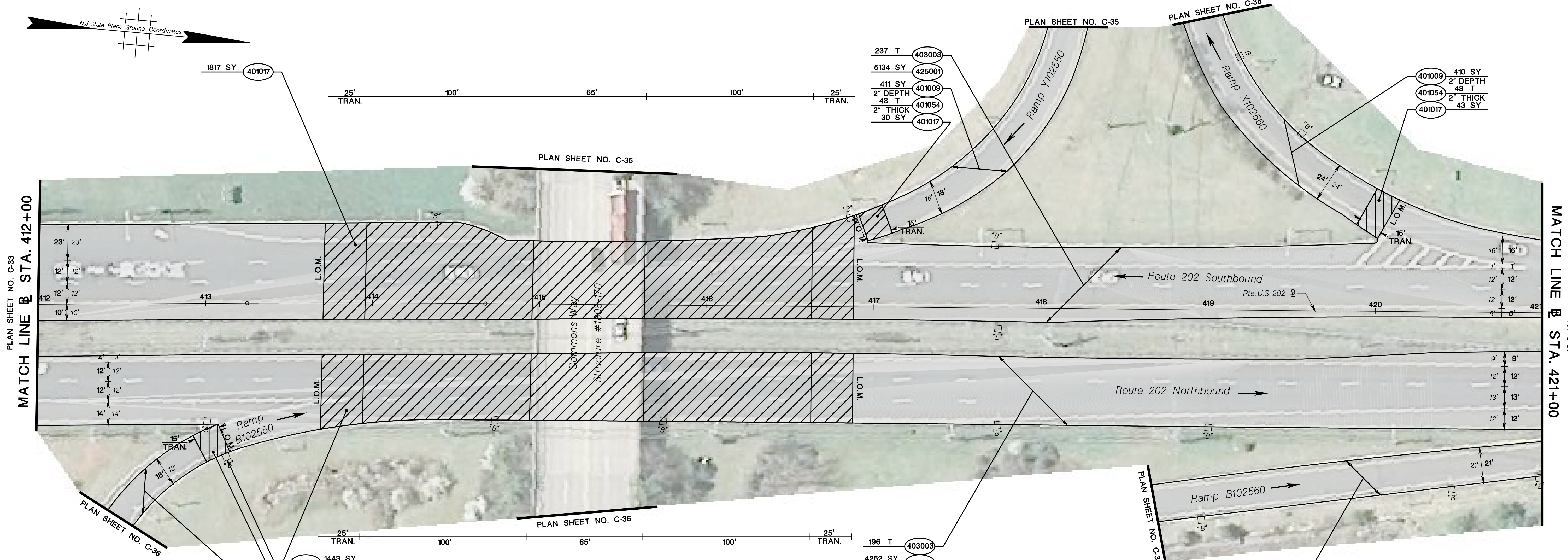
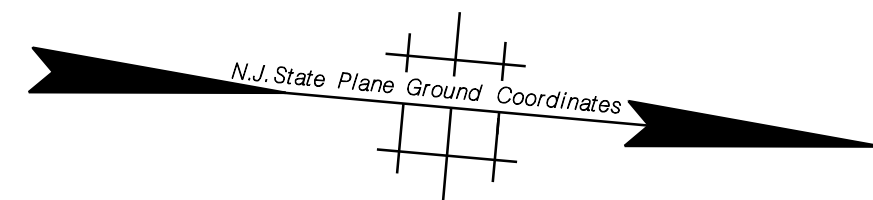
NJDOT Roadway Design Group 2

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TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



PLAN SHEET NO. C-33  
MATCH LINE @ STA. 412+00

PLAN SHEET NO. C-37  
MATCH LINE @ STA. 421+00

- 237 T (403003)
- 5134 SY (425001)
- 411 SY (401009)
- 2" DEPTH 48 T (401054)
- 2" THICK 30 SY (401017)

- 410 SY (401009)
- 2" DEPTH 48 T (401054)
- 2" THICK 43 SY (401017)

- 401017 1443 SY
- 602213 1 U
- 401017 32 SY
- 401009 126 SY
- 2" DEPTH 15 T (401054)
- 2" THICK

- 196 T (403003)
- 4252 SY (425001)

- 401009 578 SY
- 2" DEPTH 67 T (401054)
- 2" THICK

= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401009P	HMA MILLING, 3" OR LESS	1525 SY
401017P	MICRO-MILLING	3365 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	178 T
403003M	ULTRA-THIN FRICTION COURSE	433 T
425001M	SCRUB SEAL	9386 SY
602213M	CURB PIECE	1U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

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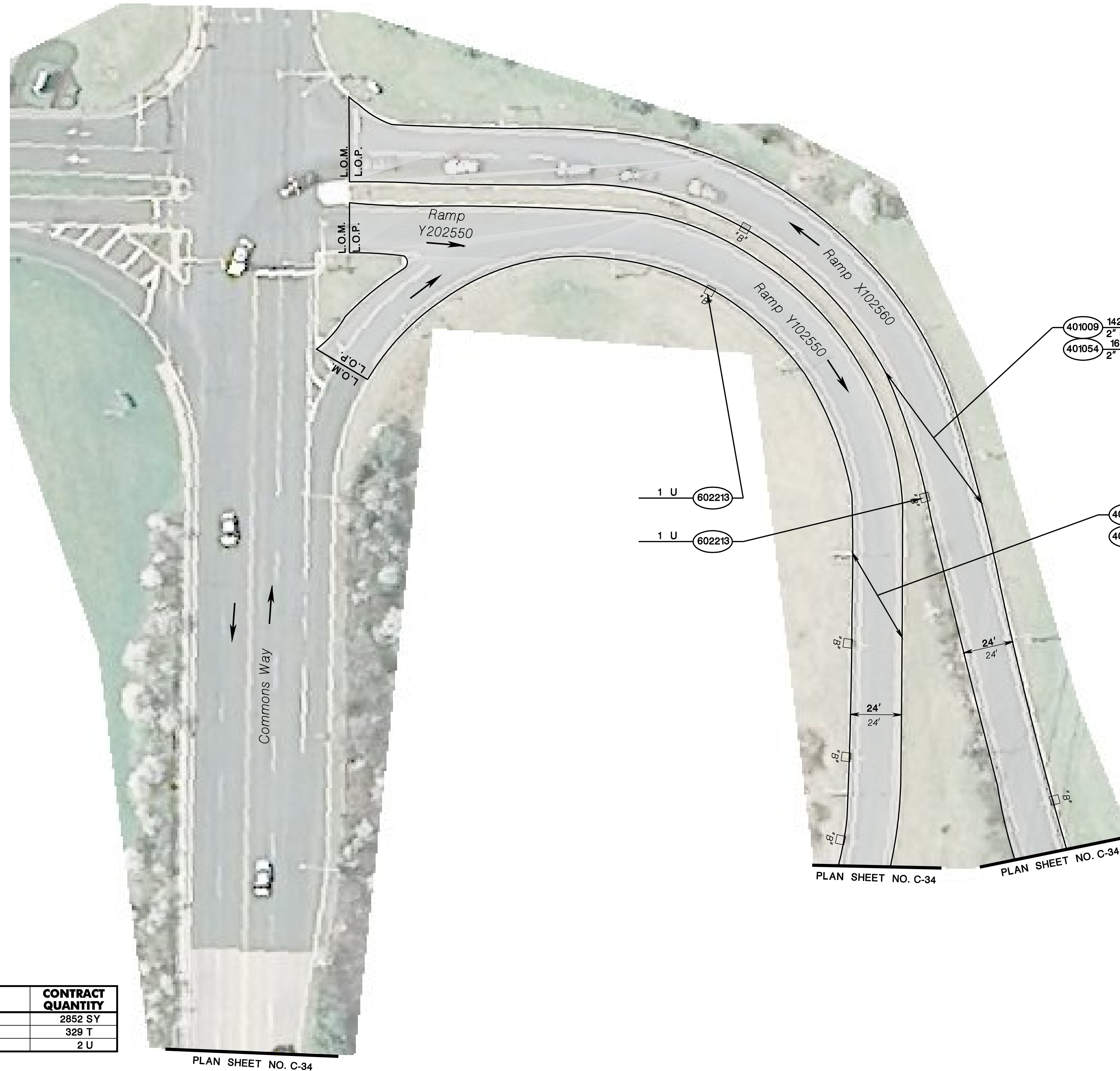
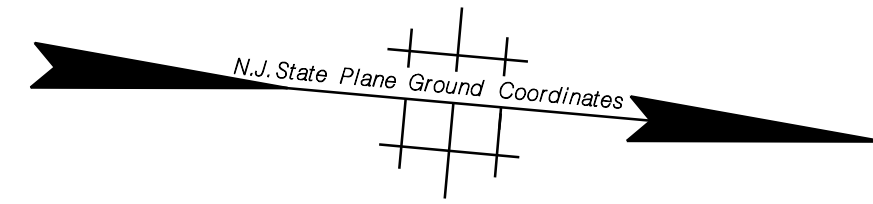
NJDOT Roadway Design Group 2

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TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401009P	HMA MILLING, 3" OR LESS	2852 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	329 T
602213M	CURB PIECE	2 U

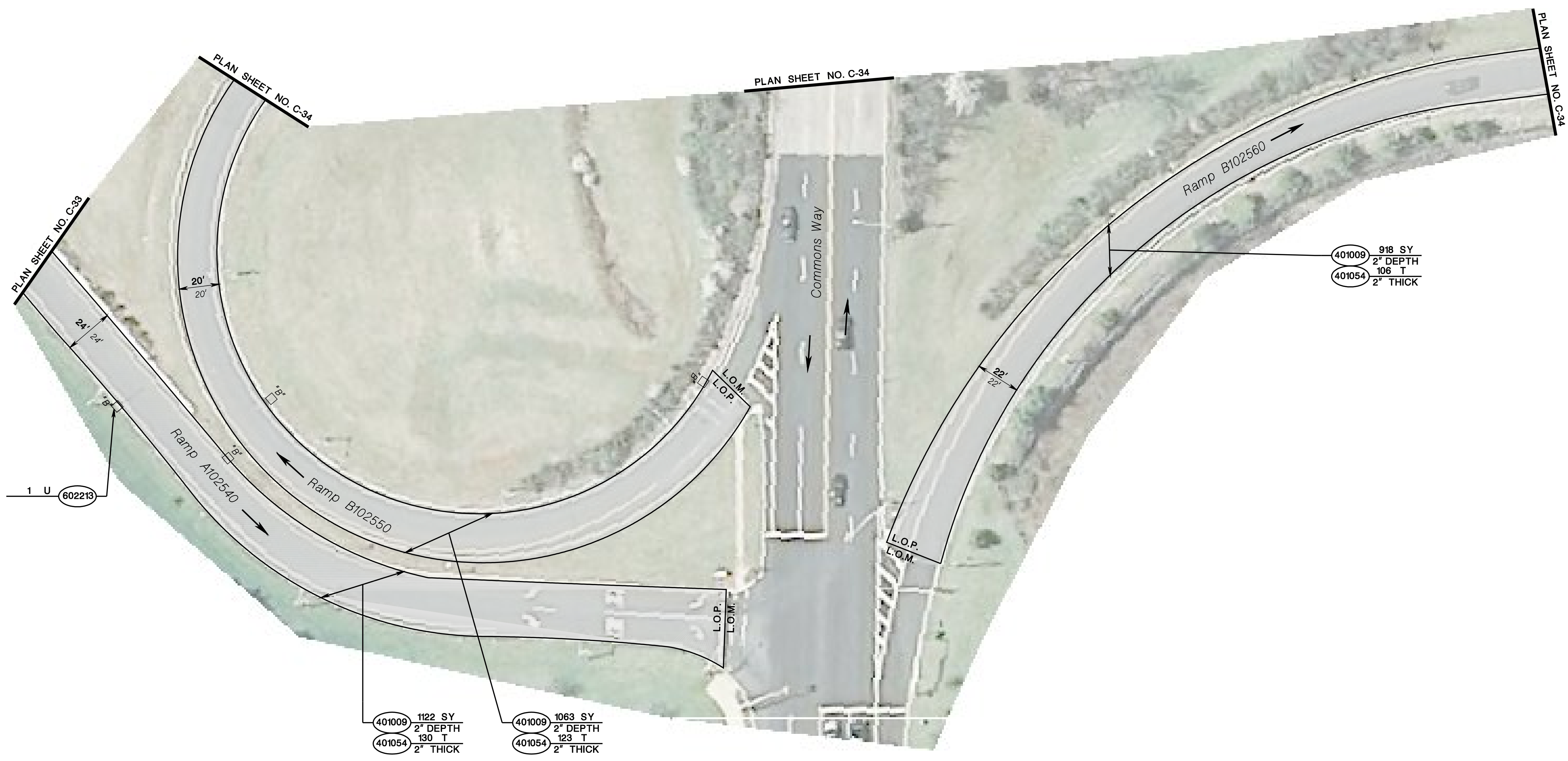
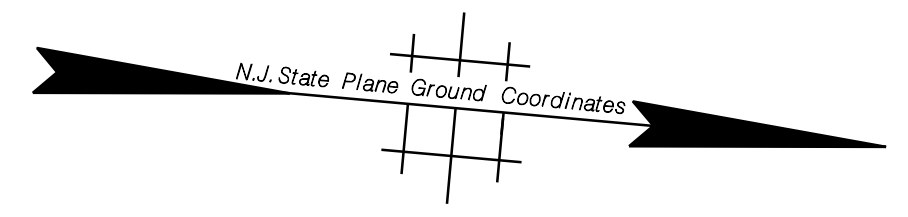


NEW JERSEY DEPARTMENT OF TRANSPORTATION

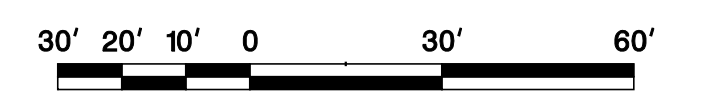
**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401009P	HMA MILLING, 3" OR LESS	3103 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	359 T
602213M	CURB PIECE	1 U



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**  
 ROUTE 202  
 CONTRACT NO. 020223450

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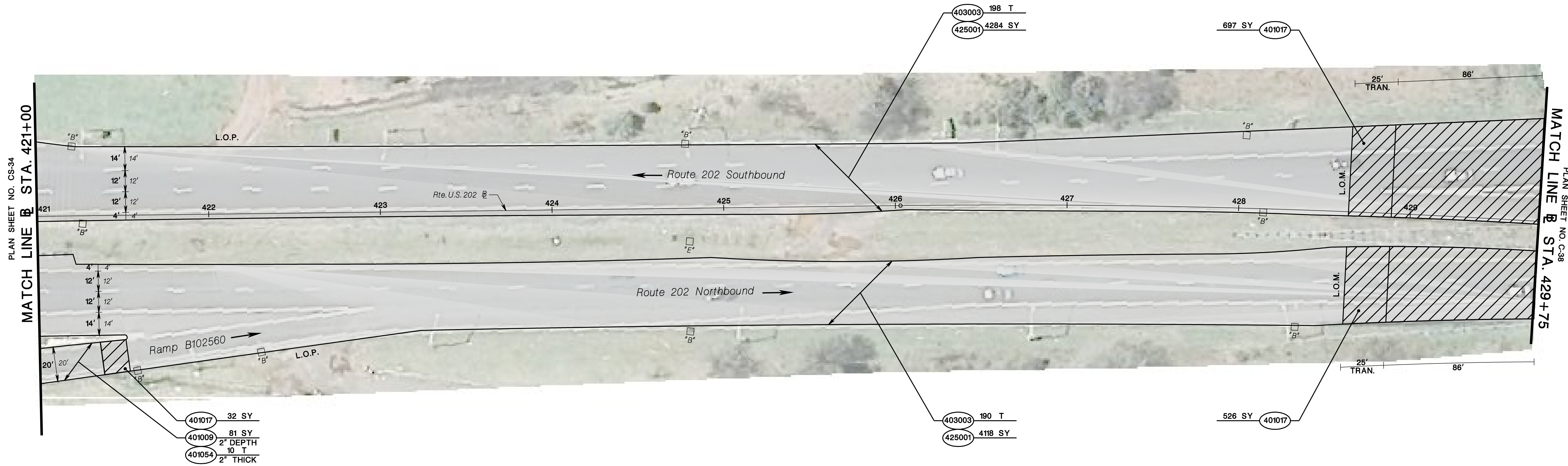
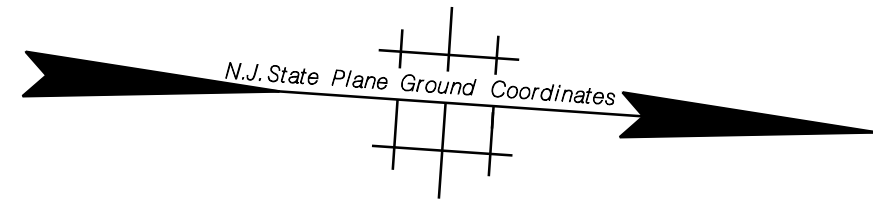
NJDOT Roadway Design Group 2

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TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401009P	HMA MILLING, 3" OR LESS	81 SY
401017P	MICRO-MILLING	1255 SY
401054M	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE	10 T
403003M	ULTRA-THIN FRICTION COURSE	388 T
425001M	SCRUB SEAL	8402 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

C-37  
C-40

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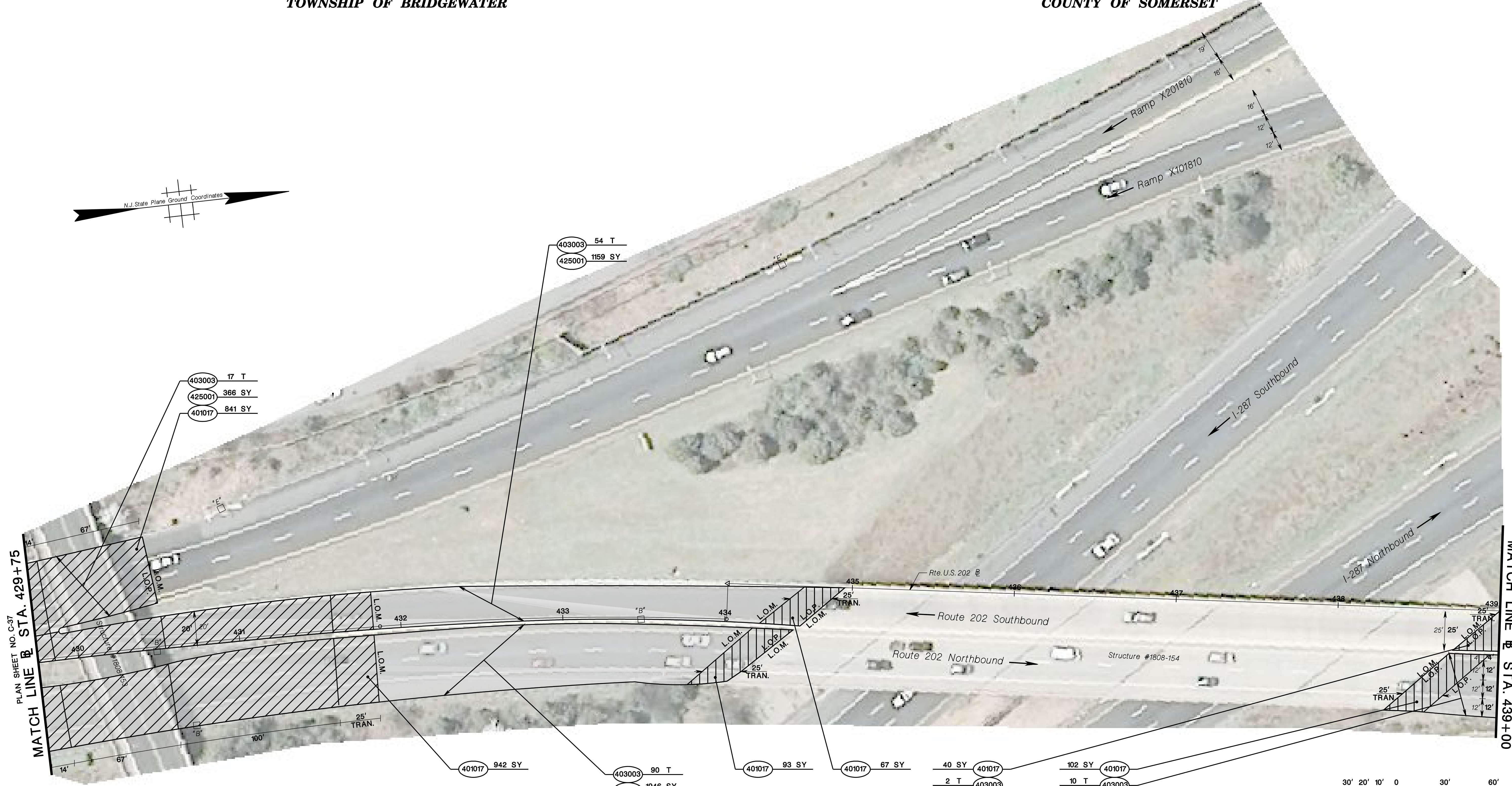
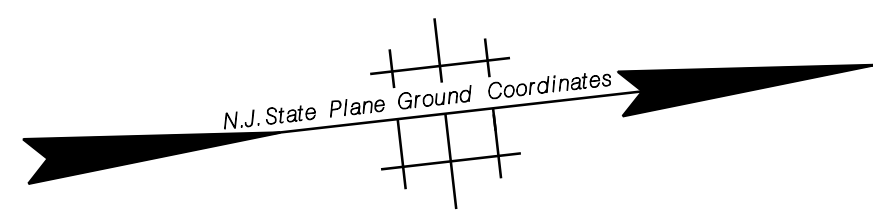
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TOWNSHIP OF BRIDGEWATER

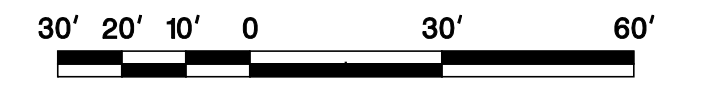
COUNTY OF SOMERSET



= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	2085 SY
403003M	ULTRA-THIN FRICTION COURSE	173 T
425001M	SCRUB SEAL	3723 SY

- 40 SY 401017
- 2 T 403003
- 40 SY 425001
- 102 SY 401017
- 10 T 403003
- 212 SY 425001



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

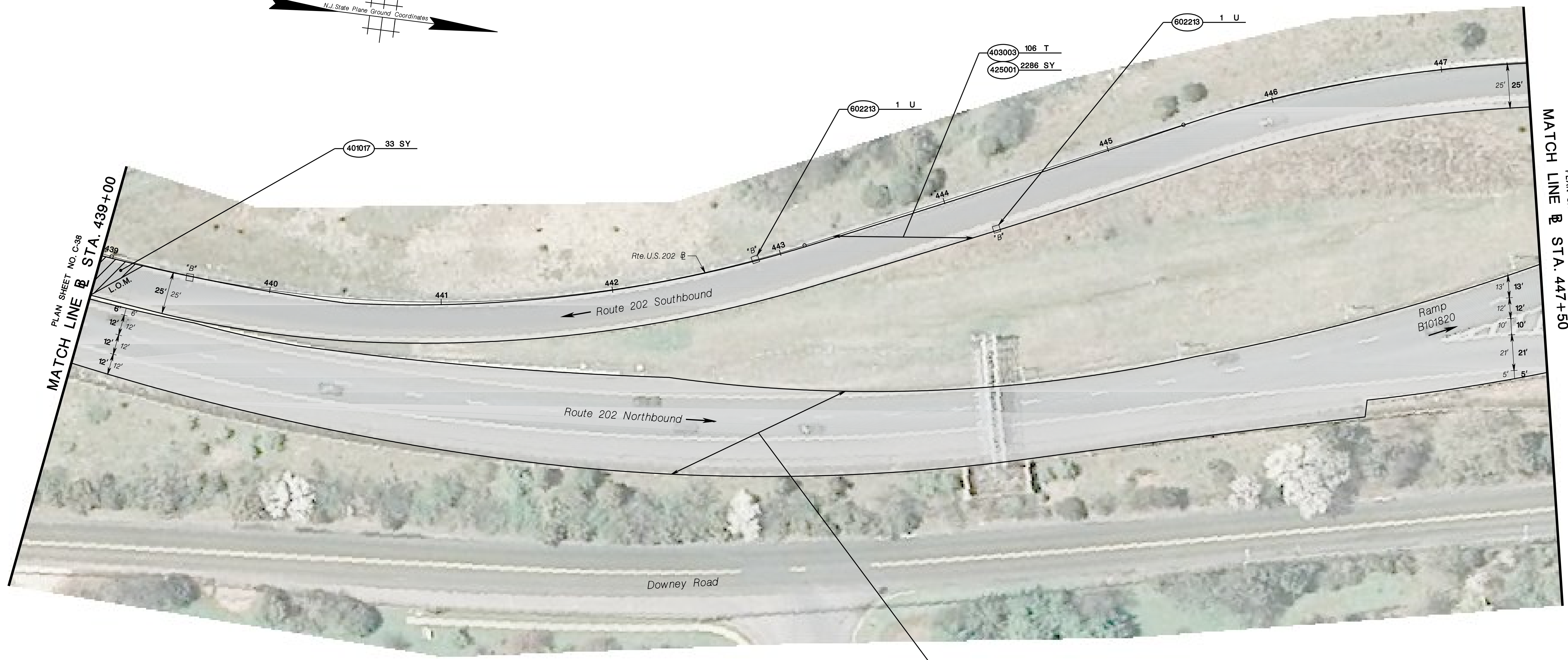
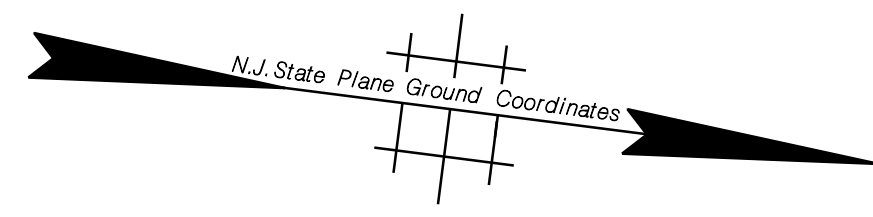
ROUTE 202

CONTRACT NO. 020223450

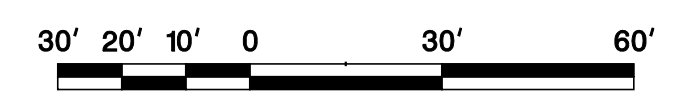


TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



 = PAVEMENT TRANSITION  
SEE SHEET DTL-1



STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	33 SY
403003M	ULTRA-THIN FRICTION COURSE	321 T
425001M	SCRUB SEAL	6957 SY
602213M	CURB PIECE	2 U

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

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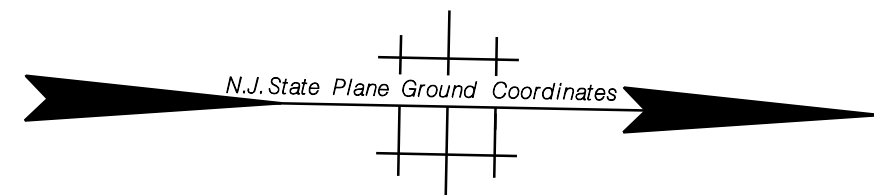
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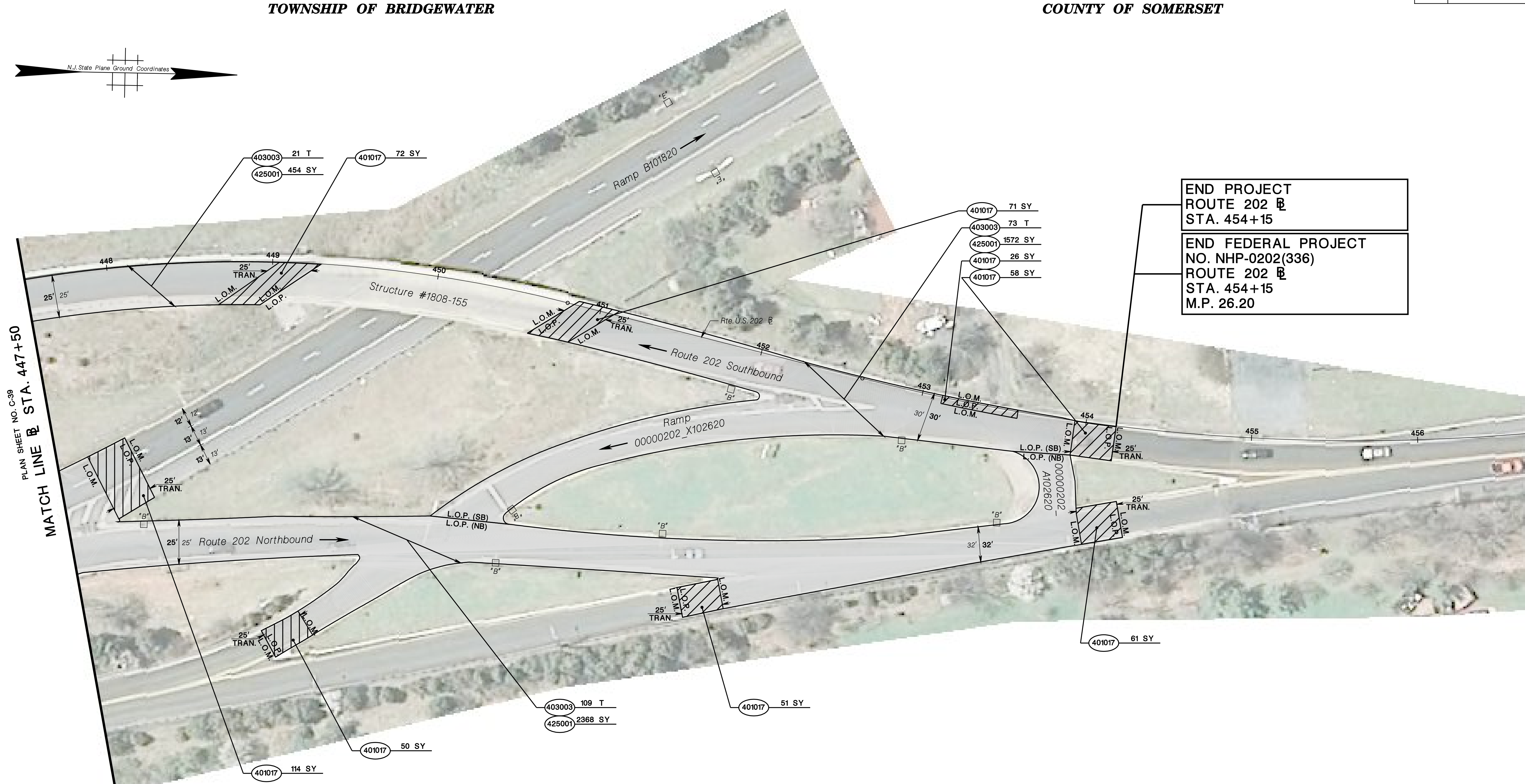
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COUNTY OF SOMERSET



END PROJECT  
ROUTE 202  
STA. 454+15

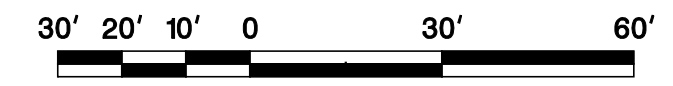
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NO. NHP-0202(336)  
ROUTE 202  
STA. 454+15  
M.P. 26.20



PLAN SHEET NO. C-39  
MATCH LINE @ STA. 447+50

= PAVEMENT TRANSITION  
SEE SHEET DTL-1

STD. ITEM NO.	TO BE CONSTRUCTED	CONTRACT QUANTITY
401017P	MICRO-MILLING	503 SY
403003M	ULTRA-THIN FRICTION COURSE	203 T
425001M	SCRUB SEAL	4394 SY



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION PLANS**

ROUTE 202

CONTRACT NO. 020223450

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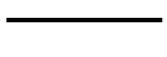
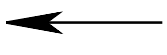


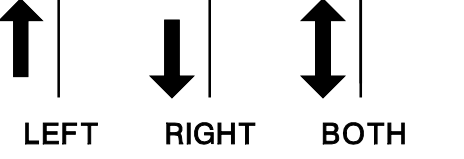

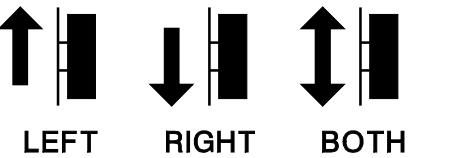


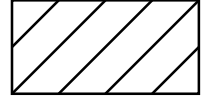
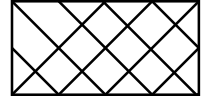
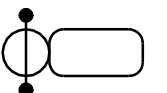
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## LEGEND

	BREAKAWAY BARRICADES
	BREAKAWAY BARRICADES WITH SIGN
	CONSTRUCTION SIGNS
	DRUMS
	CONE
	PRECAST CONCRETE CURB CONSTRUCTION BARRIER (TYPE SPECIFIED)
	DIRECTION OF TRAFFIC FLOW
	TRAFFIC DIRECTOR, FLAGGER
	TRAILER MOUNTED MOUNTED ARROW BOARD SHOWING CAUTION MODE
	ILLUMINATED FLASHING ARROW MOUNTED ON TOWING VEHICLE SHOWING ARROW PATTERN (Left, Right, Both)
	TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING CAUTION MODE
	TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION AND ARROW BOARD SHOWING ARROW PATTERN (Left, Right, Both)
	TEMPORARY CRASH CUSHION, INERTIAL BARRIER SYSTEM
	TEMPORARY CRASH CUSHION, (all other approved)
	BUFFER ZONE
	WORK AREA
	PAINT STRIPING TRUCK OR OTHER OPERATING VEHICLE

## GENERAL NOTES:

- ADVANCE WARNING SIGNS DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED, AT DIRECTION OF THE DEPARTMENT, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
- THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS ARE SHOWN ON THE TRAFFIC CONTROL PLANS. THESE LOCATIONS MAY BE MODIFIED AS APPROVED BY RE TO ADJUST FOR VISIBILITY DUE TO HORIZONTAL OR VERTICAL CURVATURE OF THE ROADWAY OR TO POSITION AT A SAFER LOCATION. ILLUMINATED FLASHING ARROW BOARDS ARE TO BE USED FOR TEMPORARY LANE CLOSINGS AND AT LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLANS.
- PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
- RAMPS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-IF SIGN (ROAD WORK AHEAD) AS A MINIMUM.
- ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS AND/OR FLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED AS DIRECTED BY THE RE.
- CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON EITHER THE EXISTING, TEMPORARY, OR PROPOSED TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR COVERED.
- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - PART VI "STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS.
- CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) SHALL BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
- A W1-6 (ARROW) SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED WIDTH SHALL BE LOCATED 100 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
- CONSTRUCTION SIGNS R11-4 (ROAD CLOSED TO THRU TRAFFIC) SHALL BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF CONSTRUCTION.
- CONSTRUCTION SIGNS W8-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE AS DIRECTED BY THE RE.
- MOVING WORK AREAS IN A LANE CLOSURE REQUIRE A TRAILER MOUNTED ILLUMINATED FLASHING ARROW TO REMAIN AT THE END OF THE TAPER, THE TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION THAT SHALL MOVE WITH THE WORK AREAS TO KEEP A 70 FEET MIN. AND 150 FEET MAX. BUFFER IN ADVANCE OF EACH WORK AREA.
- THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SAFE ACCESS OF CONSTRUCTION VEHICLES THROUGHOUT THE WORK SITE WHERE SPACE CONSTRAINTS PREVENT THE USE OF LANE CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE RE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY SHALL BE BACKFILLED AND PLACED ON AT LEAST 6H : 1V SLOPE BEFORE THE END OF EACH WORK DAY. OTHER EXCAVATED AREA WITHIN THE CLEAR ZONE SHALL BE BACKFILLED.
- WHERE REQUIRED, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN CROSSING LOCATIONS AND TYPE AS DIRECTED BY THE RE.
- BITUMINOUS CONCRETE PLACED DURING THE VARIOUS CONSTRUCTION STAGES SHALL BE TRANSITIONED ON A MINIMUM 20H : 1V SLOPE TO MEET THE ADJACENT EXISTING GRADE AT THE LONGITUDINAL AND TRANSVERSE LIMITS OF THE STAGE CONSTRUCTION AREAS UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.
- THE PLACEMENT AND OR RELOCATION OF PRECAST CONCRETE CURB, CONSTRUCTION BARRIER SHALL BE DONE DURING APPROVED OFF-PEAK HOURS WHEN TRAFFIC MAY BE REDUCED TO ONE LANE IN EACH DIRECTION.
- CONSTRUCTION ZONE SPEED LIMIT WILL BE DETERMINED BY THE BUREAU OF TRAFFIC ENGINEERING, REGIONAL TRAFFIC ENGINEER - WORK ZONE, AT THE TIME OF OR DURING CONSTRUCTION, AS REQUESTED BY THE R.E..
- THE SPEED LIMIT, R2-1 (BLACK ON WHITE) WITH ADDED WORK ZONE PLATE (BLACK ON ORANGE) SIGNS SHALL BE LOCATED THROUGH WORK AREAS AS DIRECTED BY THE BUREAU OF TRAFFIC ENGINEERING, REGIONAL TRAFFIC ENGINEER - WORK ZONE.
- THE REDUCED SPEED AHEAD SIGN, W3-5(S) (BLACK ON ORANGE) SHALL BE LOCATED IN ADVANCE OF SPEED LIMIT R2-1 SIGNS WHICH REDUCE THE NORMAL POSTED SPEED LIMIT THROUGH THE CONSTRUCTION ZONE.
- TRAFFIC FINES DOUBLED IN WORK AREA R(NJ)5-17(S), 4 FEET BY 2.5 FEET SIGN SHALL BE LOCATED 500 FEET AFTER THE FIRST ADVANCE WARNING SIGN, (W20 SERIES) AT EACH WORK AREA LOCATED WITHIN URBAN AREAS. THIS SIGN SHALL ALSO BE USED ON PROJECTS REQUIRING MOVING OPERATIONS IN WHICH CASE THE SIGN SHALL BE MOUNTED ON A SLOW MOVING CONSTRUCTION VEHICLE.
- THE FINAL HMA SURFACE PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL THE FINAL STAGE OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE RE OR INDICATED ON THE PLANS. MANHOLES AND INLETS SHALL BE SET TO FINISHED GRADE AND TEMPORARY PAVEMENT RAMPS ARE TO BE CONSTRUCTED AROUND THEM WITH A MINIMUM 20H : 1V SLOPE IN ALL DIRECTIONS USING HOT MIX ASPHALT PAVEMENT. THIS TEMPORARY MATERIAL WILL BE REMOVED IMMEDIATELY PRIOR TO PLACING THE SURFACE COURSE.
- TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. SHALL BE PLACED AS SHOWN ON PLANS. SIGNS SHALL NOT BE PLACED WITHOUT ACTUAL LANE CLOSURES AND SHALL BE IMMEDIATELY REMOVED UPON REMOVAL OF THE CLOSURES.
- CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE RE.
- TRAFFIC IMPACT NOTICES AND CHANGES
  - TERMS:  
WHEN THE FOLLOWING TERMS ARE USED, THE INTENT AND MEANING SHALL BE AS FOLLOWS:
    - IMPACTS TO NORMAL TRAFFIC FLOW - WORK THAT REQUIRES A PORTION OF THE PAVED ROADWAY BEING BLOCKED OR CLOSED WITH SAFETY DEVICES OR VEHICLES, INCLUDING, BUT NOT LIMITED TO, FULL OR PARTIAL LANE CLOSURES, FULL OR PARTIAL RAMP CLOSURES, SHOULDER CLOSURES, MOVING OPERATIONS SUCH AS TRAFFIC STRIPING OR SWEEPING, LANE SHIFTS, OR ALTERNATING TRAFFIC. THIS APPLIES EVEN WHEN DETOURS ARE PROVIDED.
    - TEMPORARY LANE CLOSURES - WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC FLOW" WHICH IS ROUTINELY SET UP AND REMOVED ON A DAILY BASIS.
    - PERMANENT LANE CLOSURES - WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC FLOW" WHICH REMAINS IN PLACE CONTINUOUSLY FOR 24 HOURS OR MORE.
  - ADVANCE NOTICES  
FOR THE INITIAL START OF WORK THAT REQUIRES "IMPACTS TO NORMAL TRAFFIC FLOW", THE CONTRACTOR SHALL NOTIFY THE RE IN WRITING, ON THE ADVANCE FORM TO-103 PROVIDED BY THE DEPARTMENT, OF THE PROPOSED DATE. THE NOTICE SHALL BE SUBMITTED AT LEAST TWENTY-EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, BEFORE THE PROPOSED DATE. START OF WORK THAT IMPACTS NORMAL TRAFFIC FLOW WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR SHALL CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE SEVEN (AND/OR FOURTEEN) CALENDAR DAYS BEFORE STARTING THE ESTABLISHMENT OF THE TRAFFIC CONTROL MEASURES FOR THE TRAFFIC IMPACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RE IF THE PROPOSED ESTABLISHMENT CAN NOT BE COMPLETED ON THE PROPOSED DATE.  
  
FOR A "PERMANENT LANE CLOSURE", THE CONTRACTOR SHALL NOTIFY THE RE IN WRITING, ON ADVANCE FORM TO-103, OF THE PROPOSED DATE A NEW TRAFFIC PATTERN WILL BE ESTABLISHED. THE NOTICE SHALL BE SUBMITTED AT LEAST TWENTY-EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, IN ADVANCE OF THE PROPOSED DATE. START OF A NEW TRAFFIC PATTERN WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR SHALL CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE OF THE NEW TRAFFIC PATTERN SEVEN (AND/OR FOURTEEN) DAYS BEFORE STARTING TRAFFIC CONTROL MEASURES FOR THE ESTABLISHMENT OF THE NEW PATTERN. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RE IF THE PROPOSED ESTABLISHMENT CAN NOT BE COMPLETED ON THE PROPOSED DATE.  
  
STARTING THE ESTABLISHMENT OF A NEW PERMANENT TRAFFIC PATTERN SHALL BEGIN NO EARLIER THAN 11:00 PM FRIDAY AND SHALL BE COMPLETED AND READY FOR OPERATIONS BY 6:00 PM THE FOLLOWING SUNDAY. THE ESTABLISHMENT SHALL BE COMPLETED IN ACCORDANCE WITH THE LANE CLOSURE HOURS SPECIFIED IN THE CONTRACT.  
  
ADVANCE NOTICES SENT PRIOR TO THE PRE-CONSTRUCTION MEETING SHALL BE ADDRESSED TO THE CONTACT PERSON AS SPECIFIED IN SUBSECTION 101.04 OF THE SPECIAL PROVISIONS.
  - PROGRESS NOTICES  
ALL "IMPACTS TO NORMAL TRAFFIC FLOW" SCHEDULED FOR THE SEVEN DAY PERIOD STARTING ON THE FOLLOWING MONDAY SHALL BE SUBMITTED TO THE RE BY 9:00 AM OF EACH FRIDAY ON WEEKLY FORM TO-100 PROVIDED BY THE DEPARTMENT.  
  
EACH DAY OF "TEMPORARY LANE CLOSURES" SHALL BE SUBMITTED TO THE RE BY 9:00 AM THE DAY IN ADVANCE OF THE START OF THOSE OPERATIONS ON DAILY FORM TO-101 PROVIDED BY THE DEPARTMENT.  
  
"TEMPORARY LANE CLOSURES" FOR WEEKENDS SHALL BE SUBMITTED TO THE RE BY 9:00 AM ON THE IMMEDIATELY PRECEDING FRIDAY ON THE DAILY FORM TO-101 PROVIDED BY THE DEPARTMENT.
  - CHANGES TO THE SCHEDULED CLOSURES  
REQUEST FOR A CHANGE TO THE TRAFFIC CONTROL REQUIREMENTS IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING TO THE RE AS FOLLOWS:  
  
CHANGES TO THE SCHEDULED HOURS FOR "TEMPORARY LANE CLOSURES" SHALL BE SUBMITTED TO THE R.E. AT LEAST EIGHT CALENDAR DAYS IN ADVANCE OF WHEN THE CHANGE IS PROPOSED TO START.  
  
OTHER PROPOSED CHANGES TO "TEMPORARY LANE CLOSURES" AND ALL CHANGES TO "PERMANENT LANE CLOSURES" SHALL BE SUBMITTED TO THE RE AS SPECIFIED IN THE SPECIFICATIONS.
- WHERE MILLING OR HMA PAVING IS PERFORMED AND THE LANE IS TO BE RE-OPENED TO TRAFFIC EACH DAY, APPLY TEMPORARY TRAFFIC STRIPES.

TC-1  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

# TRAFFIC CONTROL AND STAGING PLANS

## ROUTE 202

CONTRACT NO. 020223450



# PROJECT SPECIFIC NOTES: TEMPORARY ALLOWABLE LANE CLOSURE HOURS

## 1. A. ROUTE 202 NB, MP 20.33 - 24.43 (TWO TRAVEL LANES SECTION)

ALL LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 8:00 PM
SATURDAY	9:00 AM TO 8:00 PM
SUNDAY	10:00 AM TO 8:00 PM
ONE LANE MAINTAINED - (ONE LANE CLOSED)	
MONDAY TO THURSDAY	8:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	8:00 PM TO 9:00 AM (SATURDAY)
SATURDAY	8:00 PM TO 10:00 AM (SUNDAY)
SUNDAY	8:00 PM TO 6:00 AM (MONDAY)

## B. ROUTE 202 NB, MP 22.43 (TWO TRAVEL LANES SECTION) (TWO LEFT - TURN LANES, TWO THRU LANES)

ALL THRU LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 8:00 PM
SATURDAY	9:00 AM TO 8:00 PM
SUNDAY	10:00 AM TO 8:00 PM
ONE THRU LANE MAINTAINED - (ONE THRU LANE CLOSED)	
MONDAY TO THURSDAY	8:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	8:00 PM TO 9:00 AM (SATURDAY)
SATURDAY	8:00 PM TO 10:00 AM (SUNDAY)
SUNDAY	8:00 PM TO 6:00 AM (MONDAY)
ALL LEFT TURN LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 8:00 PM
SATURDAY	9:00 AM TO 8:00 PM
SUNDAY	10:00 AM TO 8:00 PM
OUTER LEFT - TURN LANE CLOSED -- INNER LEFT - TURN LANE MAINTAINED	
MONDAY TO THURSDAY	9:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	9:00 PM TO 7:00 AM (SATURDAY)
SATURDAY	9:00 PM TO 8:00 AM (SUNDAY)
SUNDAY	9:00 PM TO 6:00 AM (MONDAY)
LEFT - TURN LANES CLOSED AND DETOURED	
MONDAY TO THURSDAY	10:00 PM TO 5:00 AM (NEXT DAY)
FRIDAY	10:00 PM TO 6:00 AM (SATURDAY)
SATURDAY	10:00 PM TO 7:00 AM (SUNDAY)
SUNDAY	10:00 PM TO 5:00 AM (MONDAY)

## C. ROUTE 202/206 NB, MP 24.43 - 26.13 (TWO TRAVEL LANES SECTION) ROUTE 202/206 SB, MP 24.43 - 25.78 (TWO TRAVEL LANES SECTION)

HOLIDAY SHOPPING SEASON	
ALL LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 10:00 PM
SATURDAY	7:00 AM TO 10:00 PM
SUNDAY	8:00 AM TO 10:00 PM
ONE LANE MAINTAINED - ONE LANE CLOSED	
MONDAY TO THURSDAY	10:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	10:00 PM TO 7:00 AM (SATURDAY)
SATURDAY	10:00 PM TO 8:00 AM (SUNDAY)
SUNDAY	10:00 PM TO 6:00 AM (MONDAY)

### ALL OTHER TIMES OF THE YEAR

ALL LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 9:00 PM
SATURDAY	7:00 AM TO 9:00 PM
SUNDAY	8:00 AM TO 9:00 PM
ONE LANE MAINTAINED - (ONE LANE CLOSED)	
MONDAY TO THURSDAY	9:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	9:00 PM TO 7:00 AM (SATURDAY)
SATURDAY	9:00 PM TO 8:00 AM (SUNDAY)
SUNDAY	9:00 PM TO 6:00 AM (MONDAY)

## D. ROUTE 202/206 NB, MP 26.13 - 26.20 (ONE TRAVEL LANE SECTION) ROUTE 202/206 SB, MP 25.78 - 26.20 (ONE TRAVEL LANE SECTION)

ALL LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 10:00 PM
SATURDAY	7:00 AM TO 10:00 PM
SUNDAY	8:00 AM TO 10:00 PM
ROAD CLOSED AND DETOURED	
MONDAY TO THURSDAY	10:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	10:00 PM TO 7:00 AM (SATURDAY)
SATURDAY	10:00 PM TO 8:00 AM (SUNDAY)
SUNDAY	10:00 PM TO 6:00 AM (MONDAY)

## E. ROUTE 202 SB, MP 20.33 - 21.99 (TWO TRAVEL LANES SECTION)

ALL LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 9:00 PM
SATURDAY	9:00 AM TO 9:00 PM
SUNDAY	10:00 AM TO 9:00 PM
ONE LANE MAINTAINED - (ONE LANE CLOSED)	
MONDAY TO THURSDAY	9:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	9:00 PM TO 9:00 AM (SATURDAY)
SATURDAY	9:00 PM TO 10:00 AM (SUNDAY)
SUNDAY	9:00 PM TO 6:00 AM (MONDAY)

## F. ROUTE 202 SB, MP 21.99 - 24.43 (TWO TRAVEL LANES SECTION)

ALL LANES MAINTAINED	
MONDAY TO FRIDAY	6:00 AM TO 10:00 PM
SATURDAY	8:00 AM TO 10:00 PM
SUNDAY	10:00 AM TO 9:00 PM
ONE LANE MAINTAINED - (ONE LANE CLOSED)	
MONDAY TO THURSDAY	10:00 PM TO 6:00 AM (NEXT DAY)
FRIDAY	10:00 PM TO 8:00 AM (SATURDAY)
SATURDAY	10:00 PM TO 10:00 AM (SUNDAY)
SUNDAY	9:00 PM TO 6:00 AM (MONDAY)

**NOTE:** THE ADDED TRAVEL LANE BETWEEN MP 22.35 AND MP 22.53 THROUGH THE SIGNALIZED INTERSECTION AT TOWNE CENTER ROAD / FISHER PLACE SHALL NOT BE TREATED AS A THIRD TRAVEL LANE. THIS LANE MAY BE CLOSED AT ALL TIMES EXCEPT DURING WEEKDAYS FROM 6AM TO 9AM AND 3PM TO 7PM FOR THE MORNING AND EVENING RUSH HOURS.

## 2. NO LANE, SHOULDER, RAMP CLOSURES, OR TRAFFIC SHIFTS WILL BE PERMITTED ON THE FOLLOWING HOLIDAYS:

- \* EASTER SUNDAY (INCLUDING 6:00 AM SATURDAY UNTIL NOON MONDAY)
- \* MEMORIAL DAY (SEE NOTE BELOW)
- \* JULY 4TH (SEE NOTE BELOW)
- \* LABOR DAY (SEE NOTE BELOW)
- \* ELECTION DAY (8:00 AM UNTIL 8:00 PM THE DAY OF)
- \* THANKSGIVING DAY (SEE NOTE BELOW)
- \* CHRISTMAS DAY (SEE NOTE BELOW)
- \* NEW YEARS DAY (SEE NOTE BELOW)

### NOTE:

IF HOLIDAY FALLS ON	NO LANE CLOSURES PERMITTED
SUNDAY OR MONDAY	6:00 AM FRIDAY UNTIL NOON TUESDAY
TUESDAY	6:00 AM FRIDAY UNTIL NOON WEDNESDAY
WEDNESDAY	6:00 AM TUESDAY UNTIL NOON THURSDAY
THURSDAY	6:00 AM WEDNESDAY UNTIL NOON MONDAY
FRIDAY OR SATURDAY	6:00 AM THURSDAY UNTIL NOON MONDAY

## 3. GENERAL NOTE:

- THE PROPOSED WORK AND LANE CLOSURES MUST BE COORDINATED WITH ALL OTHER PROJECTS THAT ARE UNDERWAY AT THE SAME TIME NEAR THE PROJECT AREA.
- ACCESS TO ALL FIRE AND EMERGENCY LANES AND DRIVEWAYS MUST BE MAINTAINED DURING BUSINESS HOURS. ACCESS TO ALL FIRE AND EMERGENCY LANES AND AT LEAST ONE DRIVEWAY MUST BE MAINTAINED DURING NON-BUSINESS HOURS.
- THE HOLIDAY SHOPPING SEASON SHALL START ON FRIDAY 6 AM OF THE WEEKEND BEFORE THANKSGIVING, AND END AFTER SUNDAY OF THE WEEKEND AFTER NEW YEAR'S DAY.
- THE MINIMUM ALLOWABLE LANE WIDTH FOR EACH TRAVEL LANE WHEN WORK IS PERFORMED SHALL BE 11 FEET.
- FOR TRAFFIC SHIFTS DURING CONSTRUCTION, SIGNS WILL BE NEEDED TO DESIGNATE BUSINESS DRIVEWAYS TO MINIMIZE TRAFFIC CONFUSION.
- NO LANE, SHOULDER, RAMP CLOSURES, OR TRAFFIC SHIFTS WILL BE PERMITTED DURING THE DAYTIME AND ALL NIGHTTIME LANE CLOSURES WILL BE RESTRICTED FROM 11:00 PM TO 5:00 AM ON ROUTE 202 BETWEEN MP 20.33 AND 25.03 FOR THE NEW JERSEY FESTIVAL OF BALLOONING DURING THE LAST WEEKEND OF JULY. EVENT DETAILS ARE AVAILABLE AT [HTTP://BALLOONFESTIVAL.COM/INFO/](http://BALLOONFESTIVAL.COM/INFO/).
- NO LANE, SHOULDER, RAMP CLOSURES, OR TRAFFIC SHIFTS WILL BE PERMITTED DURING THE DAYTIME AND ALL NIGHTTIME LANE CLOSURES WILL NOT BE PERMITTED UNTIL ONE HOUR AFTER THE END OF THE EVENT EACH NIGHT ON ROUTE 202 BETWEEN MP 20.33 AND 25.03 DURING THE SOMERSET COUNTY 4-H FAIR DURING THE FIRST WEEK OF AUGUST. EVENT DETAILS ARE AVAILABLE AT [HTTP://WWW.SOMERSETCOUNTY4H.ORG/FAIR-SCHEDULES/](http://WWW.SOMERSETCOUNTY4H.ORG/FAIR-SCHEDULES/).
- RAMPS / TURN LANES / AUXILIARY LANES / MEDIAN OPENINGS / SIDE STREETS MAY BE CLOSED BETWEEN THE HOURS OF 11:00 PM AND 5:00 AM THE NEXT DAY UNLESS OTHERWISE SPECIFIED. AN APPROVED SIGNED DETOUR IS REQUIRED FOR ALL RAMPS / TURN LANES / AUXILIARY LANES / MEDIAN OPENINGS / SIDE STREETS CLOSURES. TWO CONSECUTIVE RAMPS / TURN LANES / AUXILIARY LANES / SIDE STREETS MAY NOT BE CLOSED AT THE SAME TIME.

CONSTRUCTION SIGN TABLE					
SIGN DESIGNATION	MESSAGE	SIZE IN x IN	AREA (S.F.)	REQUIRED QUANTITY	TOTAL AREA (S.F.)
W20-1D	ROAD WORK 1 MILE	48" x 48"	16	1	16
W20-1D	ROAD WORK 1/2 MILE	48" x 48"	16	1	16
W20-3A	RAMPS CLOSED 1500 FT.	48" x 48"	16	1	16
W20-10C	SHOULDER CLOSED 500 FT	48" x 48"	16	1	16
W20-5A	RIGHT LANE CLOSED 1500 FT.	48" x 48"	16	1	16
W20-5A	LEFT LANE CLOSED 1500 FT.	48" x 48"	16	1	16
W20-3B (MOD)	RAMP CLOSED 1000 FT.	48" x 48"	16	1	16
W20-5B	RIGHT LANE CLOSED 1000 FT.	48" x 48"	16	1	16
W20-5B	LEFT LANE CLOSED 1000 FT.	48" x 48"	16	1	16
W4-2 (S)	LANE ENDS (RIGHT)	48" x 48"	16	2	32
W4-2 (S)	LANE ENDS (LEFT)	48" x 48"	16	1	16
W1-6	ARROW	48" x 24"	8	6	48
W20-4F (M)	SINGLE LANE AHEAD	48" x 48"	16	1	16
G20-2	END ROAD WORK	48" x 24"	8	1	8
W20-2C	DETOUR 500 FT.	48" x 48"	16	1	16
SIGN "A"	ON OR ABOUT	84" x 42"	24.5	2	49
R11-2 (MOD)	RAMP CLOSED	48" x 30"	10	1	10
M4-8a	END DETOUR	24" x 18"	3	2	6
W99-2	GIVE US A BRAKE	48" x 48"	16	1	16
R(NJ)5-17	TRAFFIC FINES DOUBLED	60" x 36"	15	1	15
M4-8	DETOUR	24" x 12"	2	10	20
M3-1	NORTH	24" x 12"	2	10	20
M3-3	SOUTH	24" x 12"	2	11	22
M1-4	ROUTE 202	30" x 24"	5	7	35
M1-4	ROUTE 206	30" x 24"	5	11	55
M1-5	ROUTE 28	24" x 24"	4	11	44
M4-9X	DETOUR	30" x 24"	5	2	10
M4-9L	DETOUR	30" x 24"	5	2	10
M4-9R	DETOUR	30" x 24"	5	2	10
M4-9RX	DETOUR	30" x 24"	5	3	15
M4-9LX	DETOUR	30" x 24"	5	3	15
M6-3		21" x 15"	2.2	3	6.6
M6-2R		21" x 15"	2.2	5	11
M6-2L		21" x 15"	2.2	2	4.4
M6-1L		21" x 15"	2.2	2	4.4
D3-1	OLD YORK ROAD	30" x 18"	3.75	4	15
D3-2	ROBBINS ROAD	30" x 18"	3.75	6	22.5
D3-3	KENBURY ROAD	30" x 18"	3.75	4	15
D3-4	RIVER ROAD	30" x 18"	3.75	6	22.5
D3-5	MILLTOWN ROAD	30" x 18"	3.75	6	22.5
D3-6	ORTHO DRIVE	30" x 18"	3.75	4	15
D3-7	JANSSEN DRIVE	30" x 18"	3.75	6	22.5
D3-8	1ST AVENUE	30" x 18"	3.75	8	30
D3-9	MOUNTAIN AVENUE	30" x 18"	3.75	7	26.25
D3-10	COMMONS WAY	30" x 18"	3.75	7	26.25
D3-11	DOWNEY ROAD	30" x 18"	3.75	5	18.75
SUBTOTAL					894.65
ADDITIONAL CONSTRUCTION SIGNS					89.465
SIGN TOTAL					985

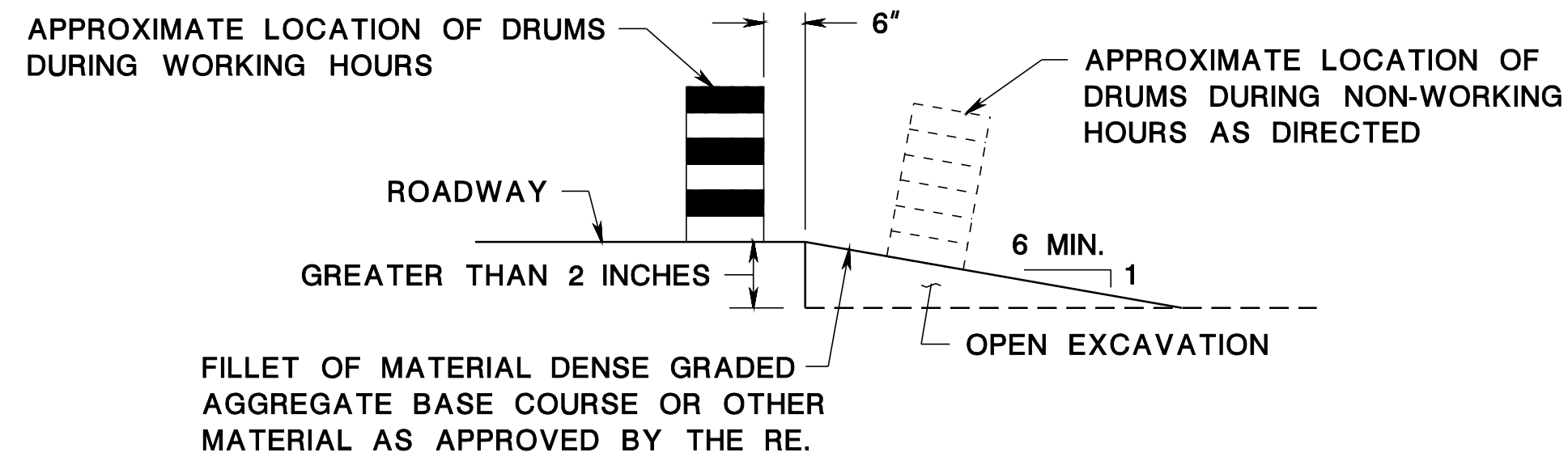
TC-2  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

# TRAFFIC CONTROL AND STAGING PLANS ROUTE 202

CONTRACT NO. 020223450





**NOTE:**  
ESCAPE RAMPS MUST BE CONSTRUCTED AND MAINTAINED DURING NON-WORKING HOURS WHERE A VERTICAL DROP GREATER THAN 2 INCHES EXISTS ADJACENT TO TRAVELED LANE.

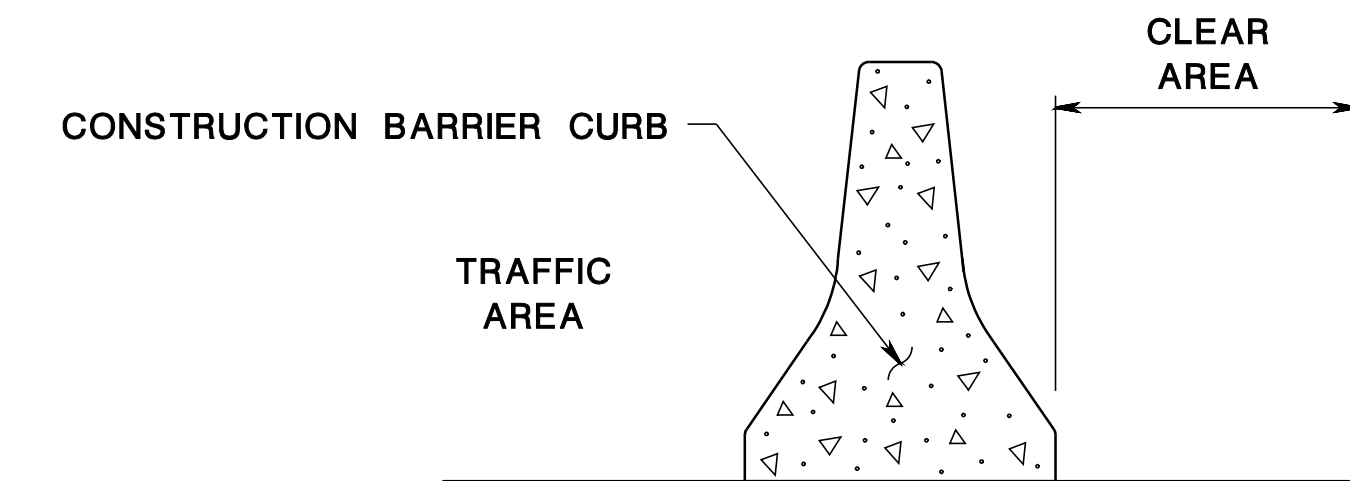
**ESCAPE RAMP DETAIL**

REGULATORY APPROACH SPEED OF TRAFFIC MILESHOUR	RECOMMENDED SIGHT DISTANCE TO BEGINNING OF CHANNELIZING TAPERS		
	DESIRABLE		MINIMUM
	RURAL FEET	URBAN FEET	RURAL AND URBAN FEET
25	375	525	150
30	450	625	200
35	525	725	250
40	600	825	325
45	675	925	400
50	750	1025	475
55	875	1150	550
60	1000	1275	650
65	1050		725

- NOTES:**
1. AVOIDANCE MANEUVER IS FOR A SPEED, PATH, AND / OR DIRECTION CHANGE PRIOR TO THE BEGINNING OF CHANNELIZING TAPERS.
  2. RECOMMENDED DISTANCES BETWEEN TWO SEPARATE LANE CLOSURES ARE DOUBLE THE VALUES SHOWN ABOVE.
  3. RURAL AND URBAN ROAD DESIGNATIONS ARE AS DEFINED IN THE NJDOT STATE HIGHWAY STRAIGHT LINE DIAGRAMS.
  4. PROVIDE DESIRABLE VALUES WHEREVER POSSIBLE. IF IT IS NOT FEASIBLE OR PRACTICAL TO PROVIDE DESIRABLE VALUES BECAUSE OF HORIZONTAL OR VERTICAL CURVATURE OR IF RELOCATION OF THE TAPER IS NOT POSSIBLE, THEN MINIMUM VALUES CAN BE APPLIED. WHEN MINIMUM VALUES ARE USED, PAY SPECIAL ATTENTION TO THE USE OF SUITABLE TRAFFIC CONTROL DEVICES WHEN PROVIDING ADVANCED WARNING OF THE CONDITIONS THAT ARE LIKELY TO BE ENCOUNTERED.
  5. LOCATE TAPERS TO MAXIMIZE THE VISIBILITY OF THEIR TOTAL LENGTH.

REGULATORY APPROACH SPEED OF TRAFFIC MILES / HOUR	RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS					MAXIMUM DEVICE (B) SPACING ALONG TAPERS IN FEET	RECOMMENDED SPACING ALONG TANGENTS
	MINIMUM TAPER RATIO IN LENGTH PER FOOT OF WIDTH	MINIMUM TAPER LENGTH L - FOR LANE WIDTHS			MAXIMUM DEVICE (D) SPACING ALONG TANGENTS IN FEET		
		10'	11'	12'			
25	10.5:1	105	115	125	25	50	
30	15:1	150	165	180	30	60	
35	20.5:1	205	225	245	35	70	
40	27:1	270	300	325	40	80	
45	45:1	450	495	540	45	90	
50	50:1	500	550	600	50	100	
55	55:1	550	605	660	55	110	
60	60:1	600	660	720	60	120	
65	65:1	650	715	780	65	130	

**NOTE:**  
THE MAXIMUM DEVICE SPACING ALONG CURVES IS DEFINED FOR TAPERS (B) IN THE ABOVE TABLE.

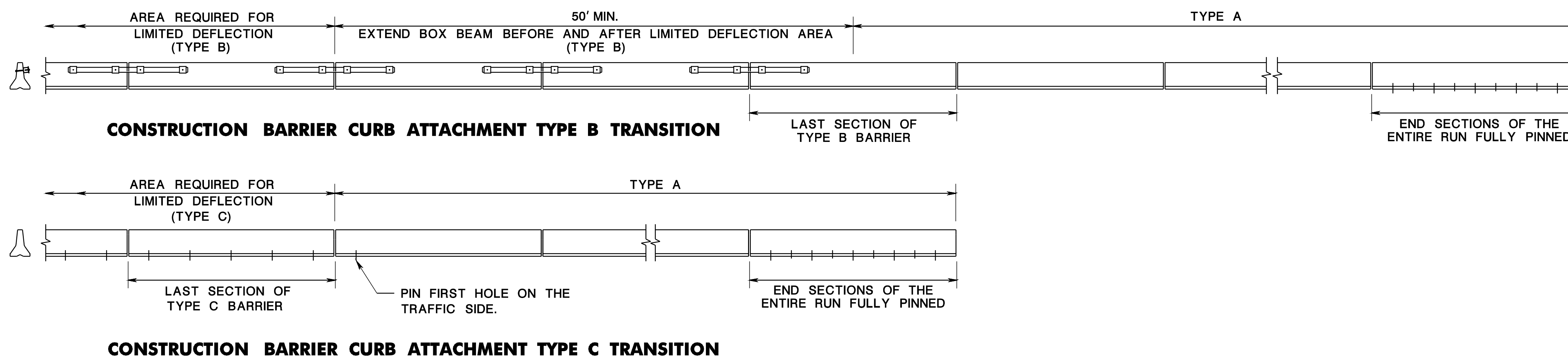


**NOTES:**

1. CHANGES TO THE PROPOSED ATTACHMENT TYPE AT ANY LOCATION MUST BE APPROVED BY THE DEPARTMENT.
2. NO ROADWAY DROP OFFS, OBSTRUCTIONS, STORAGE OF MATERIALS, OR WORK WILL BE PERMITTED IN THE CLEAR AREA UNLESS APPROVED BY THE RE.

STAGE	LOCATION	ATTACHMENT TYPE	ATTACHMENT TYPE	CLEAR AREA
	RTE. STA. TO STA.		A	39 INCHES
			B	33 INCHES
			C	12 INCHES
			D	0 INCHES

**CONSTRUCTION BARRIER CURB ATTACHMENT TYPE AND CLEAR AREA**



N.T.S.

TC-3  
TC-39

TCD-2

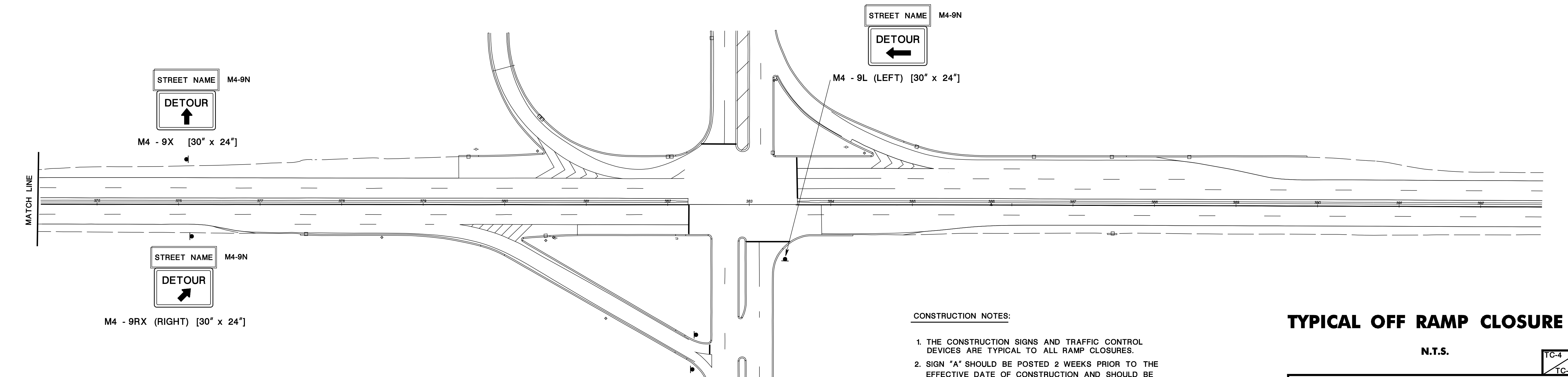
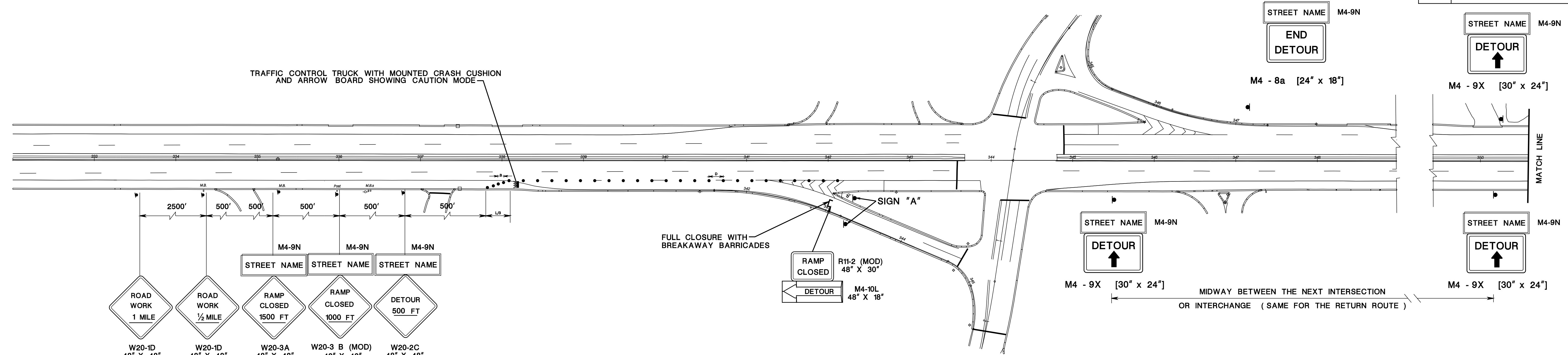
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL DETAILS**

ROUTE 202

CONTRACT NO. 020223450





- CONSTRUCTION NOTES:**
1. THE CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES ARE TYPICAL TO ALL RAMP CLOSURES.
  2. SIGN "A" SHOULD BE POSTED 2 WEEKS PRIOR TO THE EFFECTIVE DATE OF CONSTRUCTION AND SHOULD BE REMOVED AT THE END OF CONSTRUCTION.
  3. ONLY ONE RAMP CLOSURE AT A TIME.

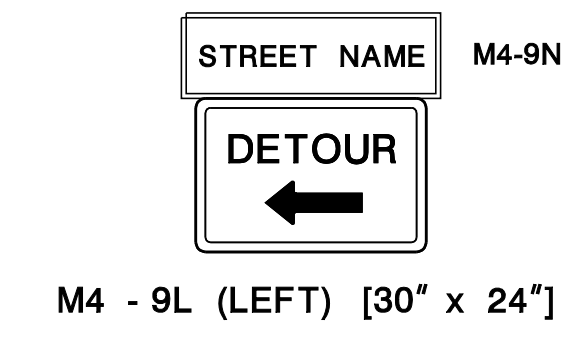
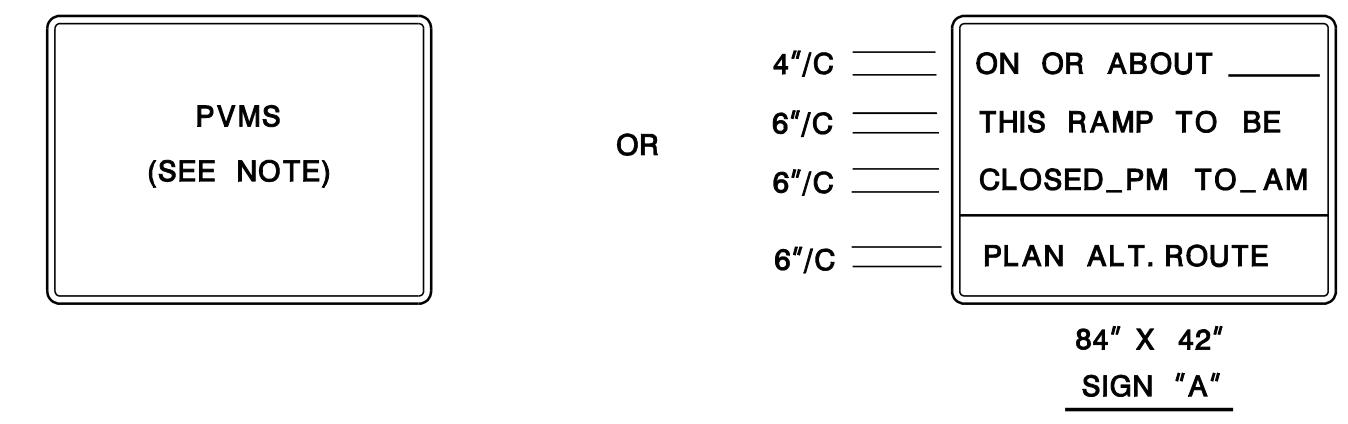
**TYPICAL OFF RAMP CLOSURE**

N.T.S.

TC-4  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL PLANS**  
ROUTE 202  
CONTRACT NO. 020223450





ROUTE 28 EB TO ROUTE 202 SB

CONTINUE IN THE SOMERVILLE CIRCLE.  
 TAKE THE EXIT FOR ROUTE 202 NB.  
 TAKE THE EXIT FOR ROUTE 22 WB.  
 TAKE THE EXIT FOR ROUTE 202 SB.  
 END DETOUR

ROUTE 28 WB TO ROUTE 202 NB

CONTINUE IN THE SOMERVILLE CIRCLE.  
 TAKE THE EXIT FOR ROUTE 202 SB.  
 TAKE THE EXIT FOR 1ST AVENUE.  
 TURN LEFT ONTO 1ST AVENUE.  
 TURN LEFT ONTO ROUTE 202 NB.  
 END DETOUR

COMMONS WAY SB TO ROUTE 202 SB

CONTINUE ON COMMONS WAY SB.  
 TAKE THE EXIT FOR ROUTE 22 WB.  
 TAKE THE EXIT FOR ROUTE 202 SB.  
 END DETOUR.

COMMONS WAY SB TO ROUTE 202 NB

CONTINUE ON COMMONS WAY SB.  
 TAKE THE EXIT FOR ROUTE 22 WB.  
 TAKE THE EXIT FOR ROUTE 202 NB.  
 END DETOUR

COMMONS WAY NB TO ROUTE 202 NB

CONTINUE ON COMMONS WAY NB.  
 TAKE THE EXIT FOR ROUTE 202 SB.  
 TAKE THE EXIT FOR ROUTE 22 EB.  
 TAKE THE EXIT FOR ROUTE 202/206 NB.  
 KEEP LEFT ON THE RAMP FOR ROUTE 202 NB.  
 END DETOUR.

COMMONS WAY NB TO ROUTE 202 SB

CONTINUE ON COMMONS WAY NB.  
 TURN RIGHT ONTO GARRETSON ROAD.  
 TURN LEFT ONTO DOWNEY ROAD.  
 MERGE ONTO ROUTE 202/206 NB.  
 TAKE THE U-TURN TO ROUTE 202/206 SB.  
 END DETOUR.

ON RAMP  
 DETOURS

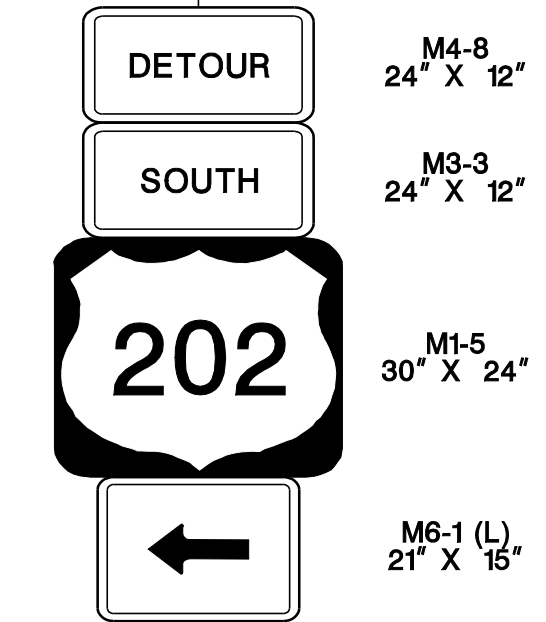
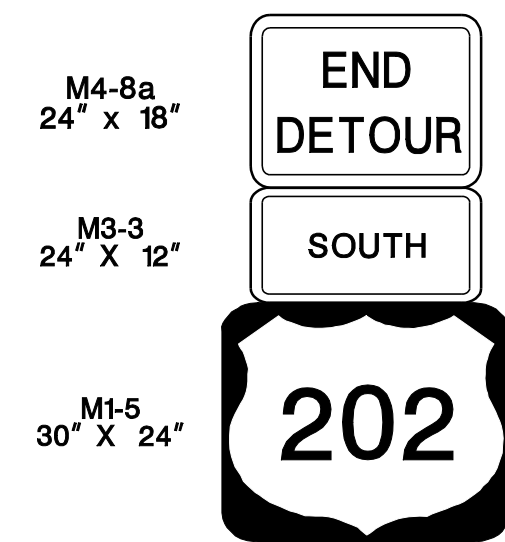
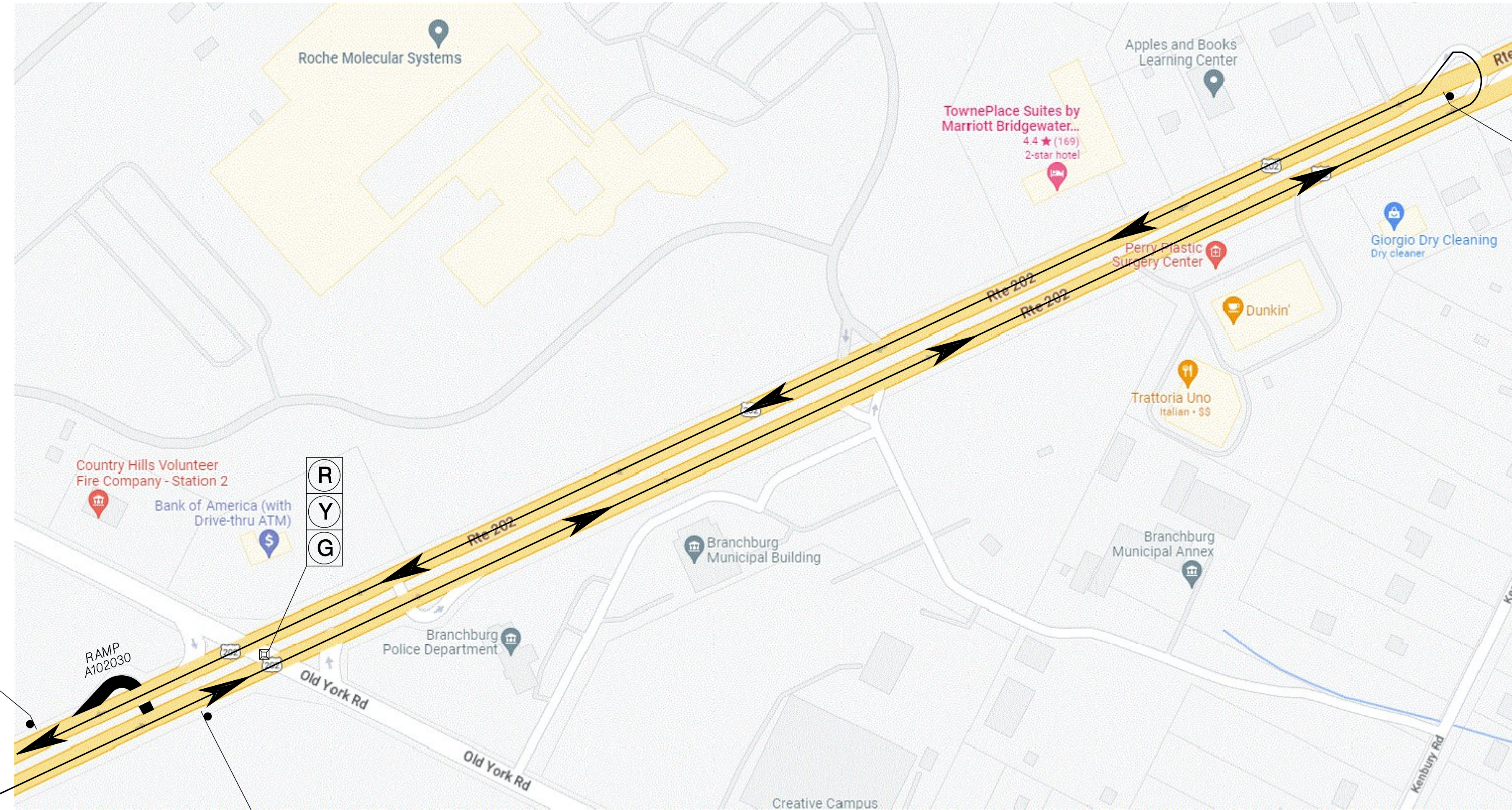
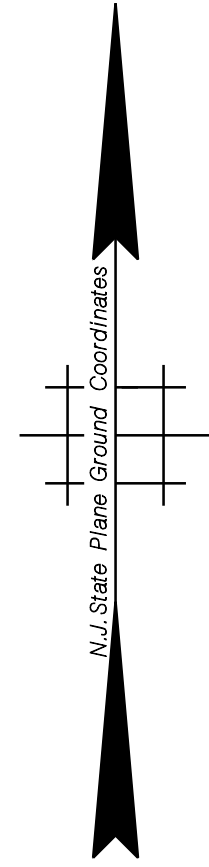
TC-5  
 TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

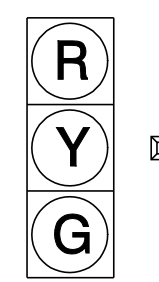
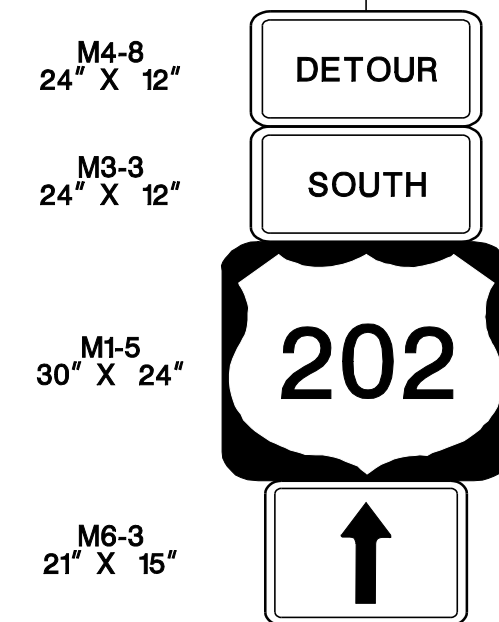
**TRAFFIC CONTROL AND  
 STAGING PLANS**  
 ROUTE 202

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE



Traffic Signal



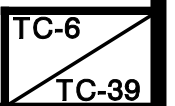
Closed Ramp



Traffic Detour Route

**DETOUR PLAN**  
**RAMP A102030**  
**ROUTE 202 NB TO**  
**ROUTE 202 SB**

N. T. S.

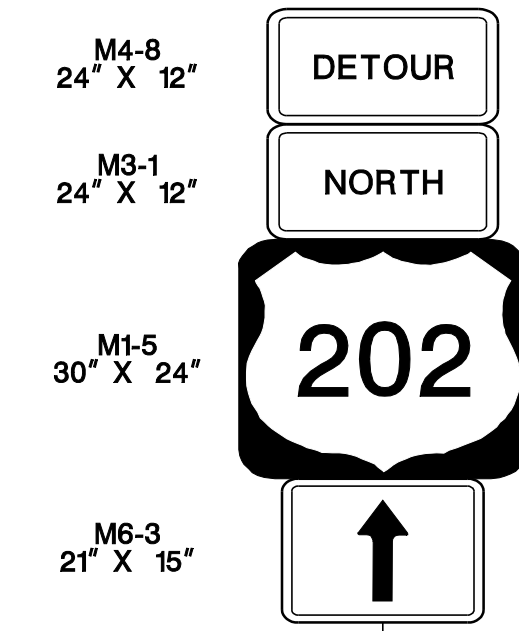


NEW JERSEY DEPARTMENT OF TRANSPORTATION

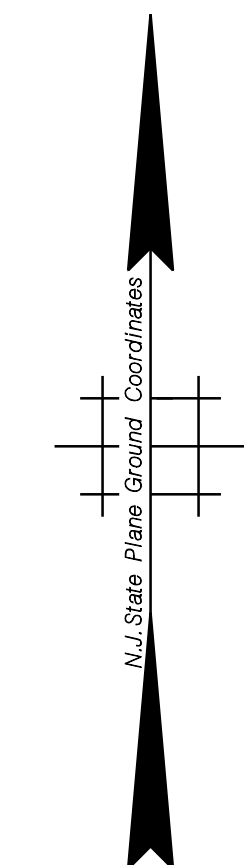
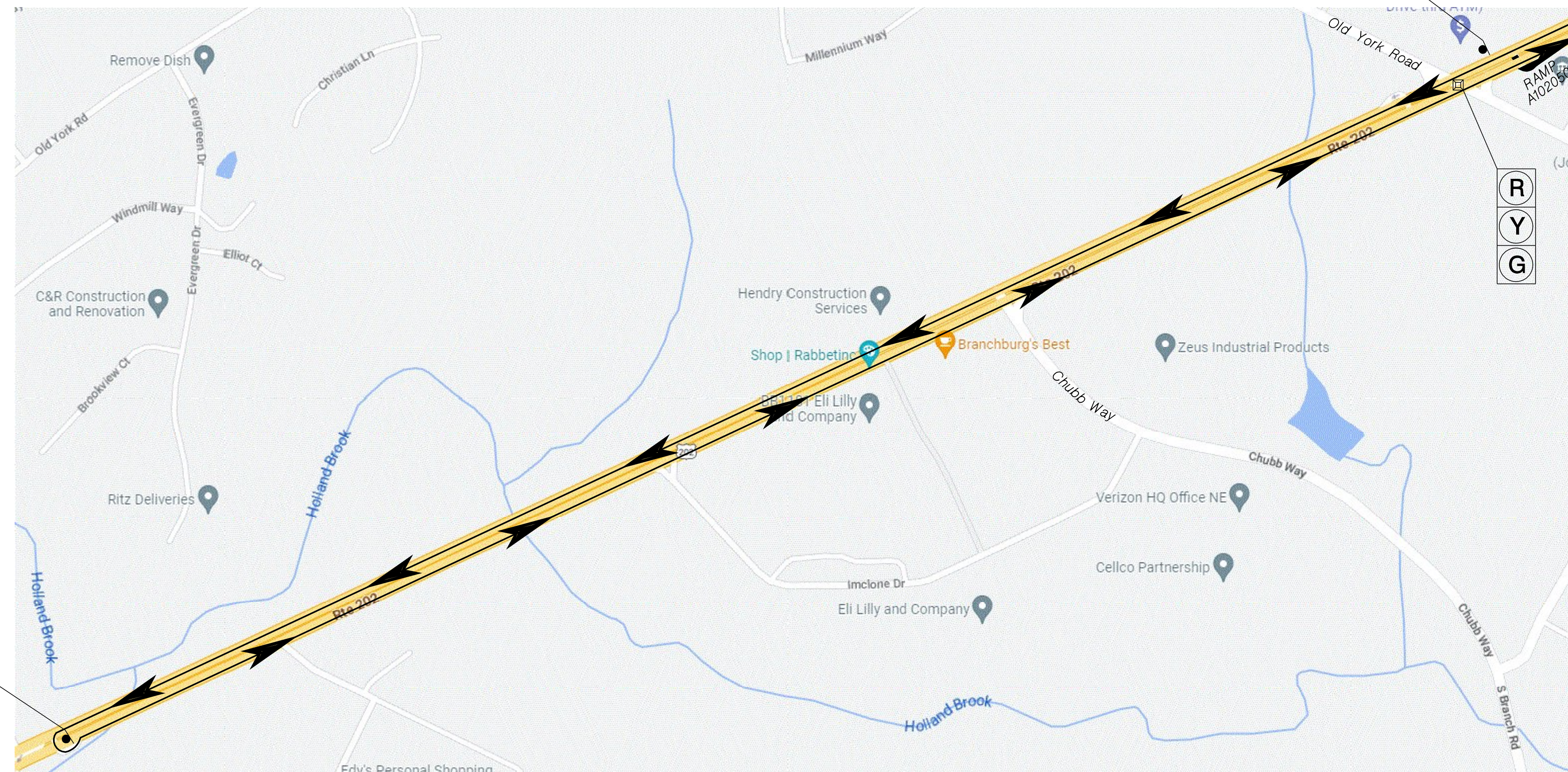
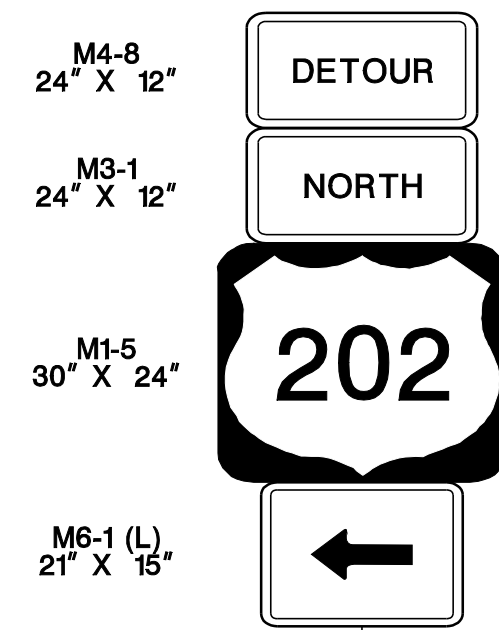
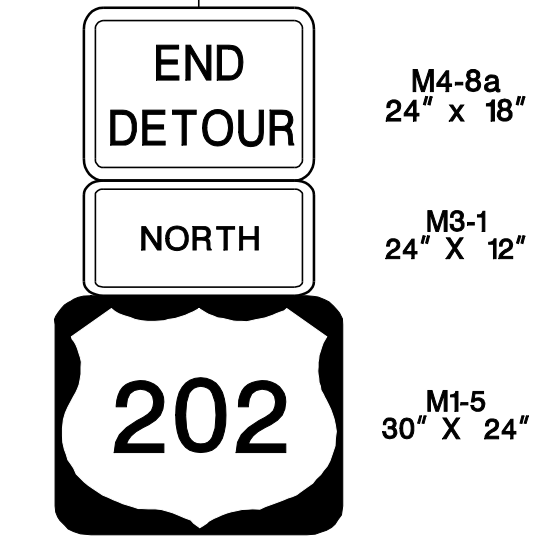
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN**  
**RAMP A102050**  
**ROUTE 202 SB TO**  
**ROUTE 202 NB**

N. T. S.

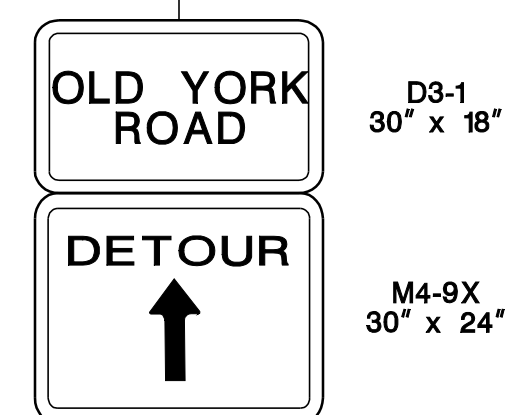
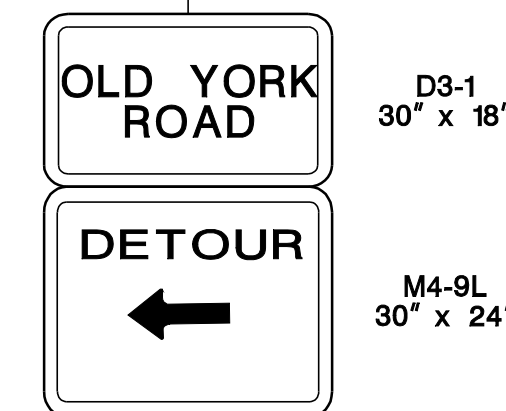
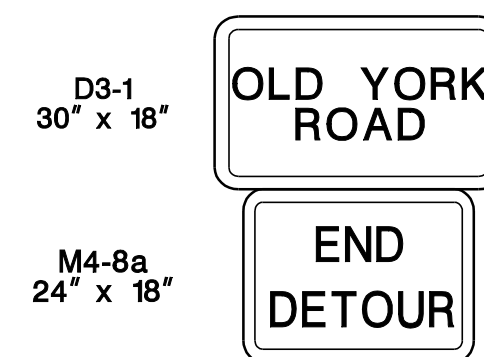
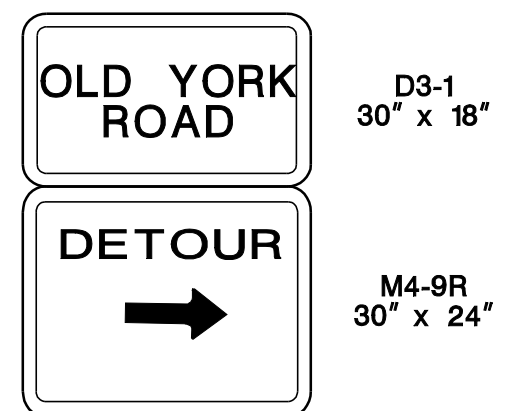
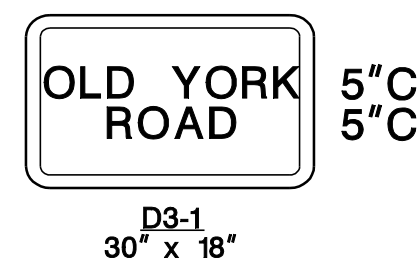
TC-7  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

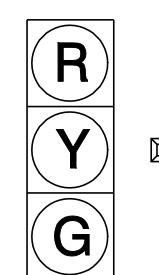
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
 ROUTE 202

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



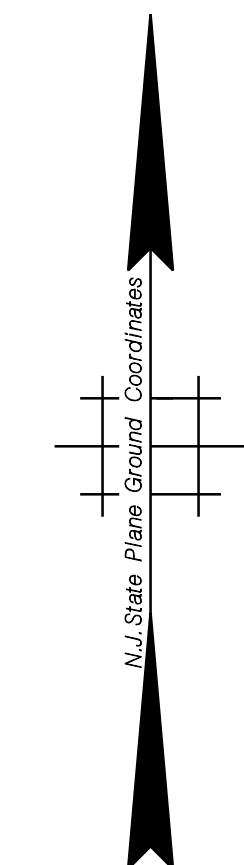
Traffic Signal



Closed Ramp



Traffic Detour Route



**DETOUR PLAN**  
**RAMP A102040**  
**ROUTE 202 NB TO**  
**OLD YORK ROAD**

N. T. S.

TC-8  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

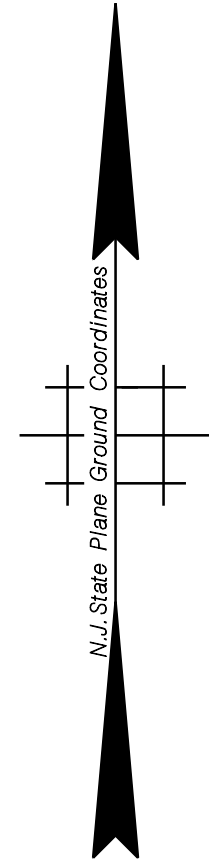
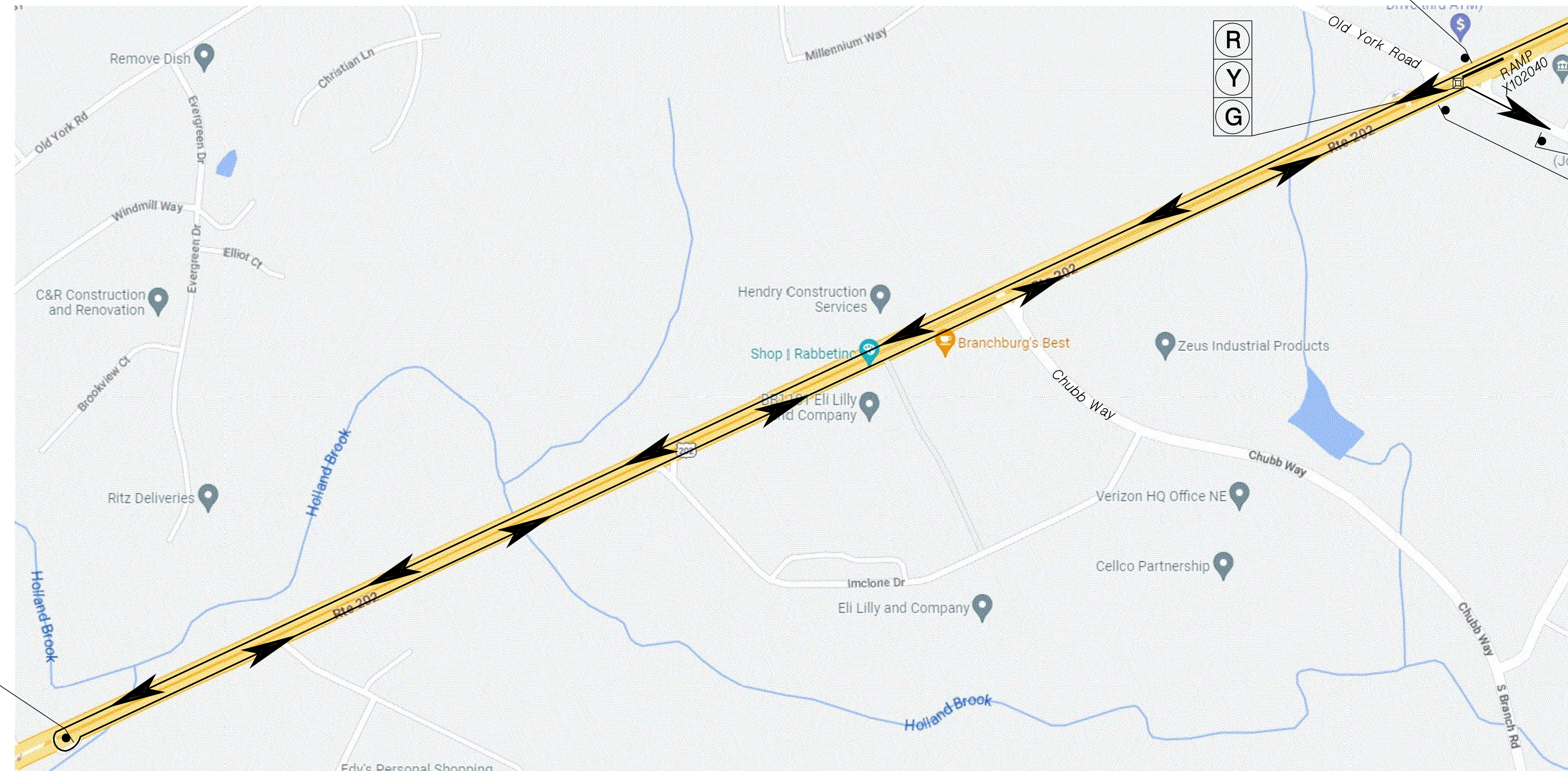
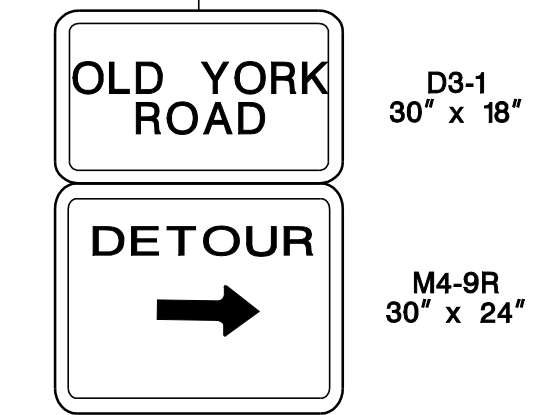
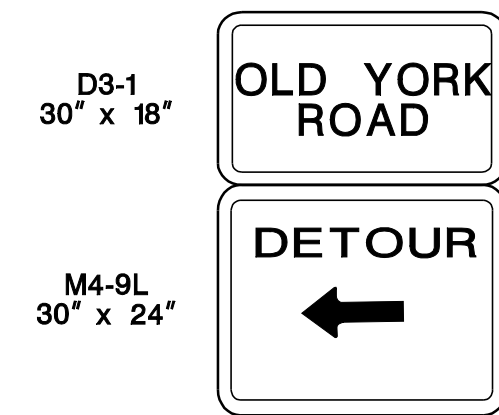
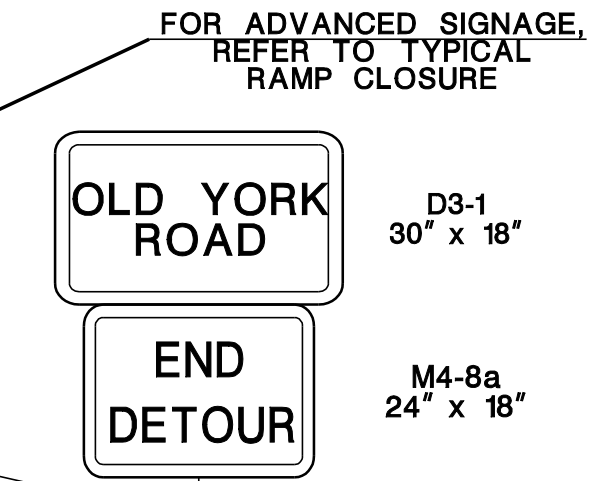
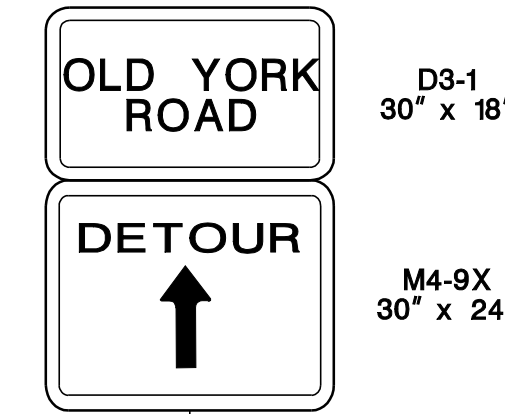
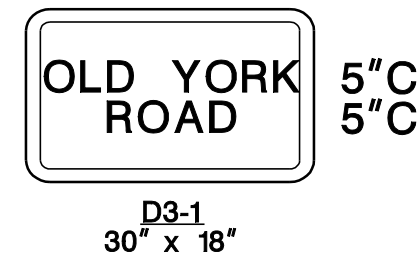
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450



TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET



**DETOUR PLAN**  
**RAMP X102040**  
**ROUTE 202 SB TO**  
**OLD YORK ROAD**

N. T. S.

TC-9  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

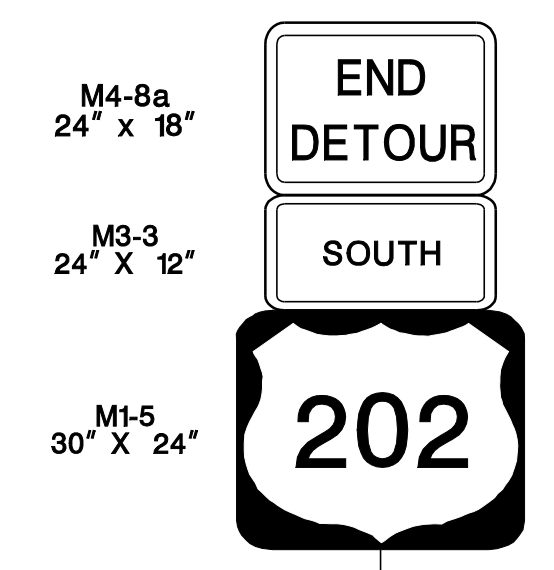
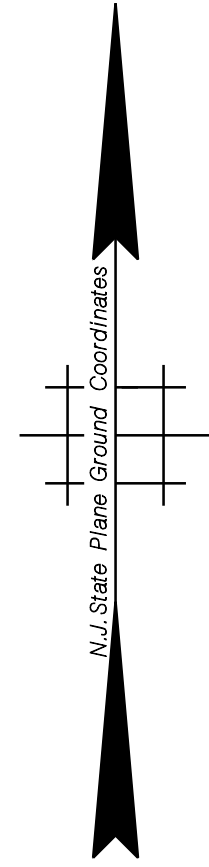
CONTRACT NO. 020223450

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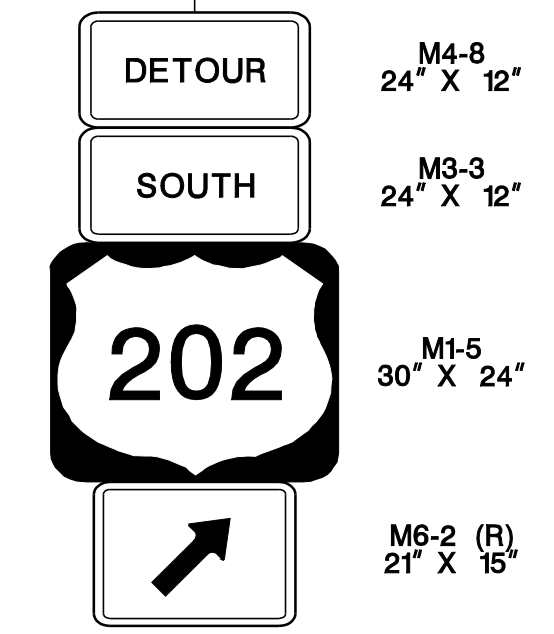
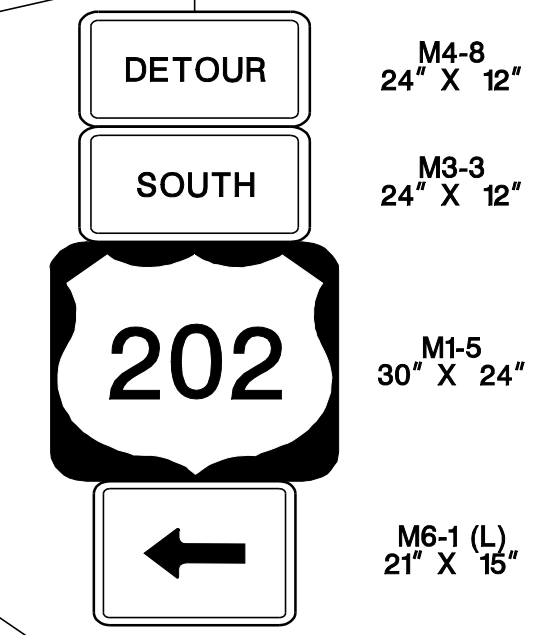
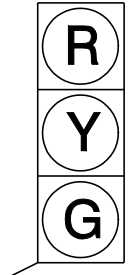
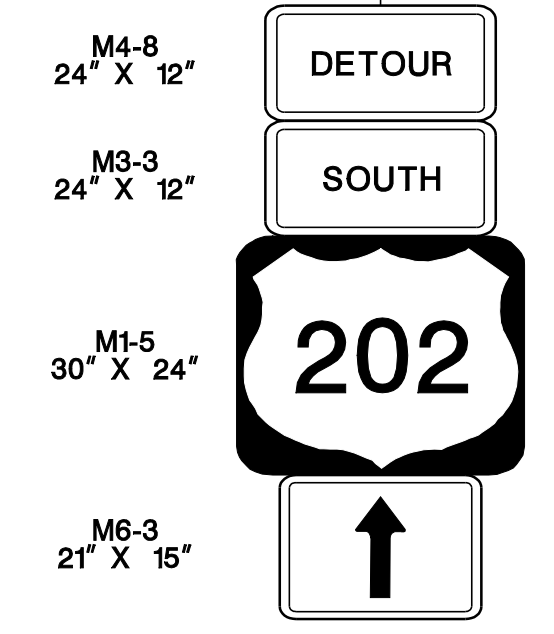


TOWNSHIP OF BRANCHBURG

COUNTY OF SOMERSET



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN**  
**RAMP A102080**  
**ROUTE 202 NB TO**  
**ROUTE 202 SB**

N. T. S.

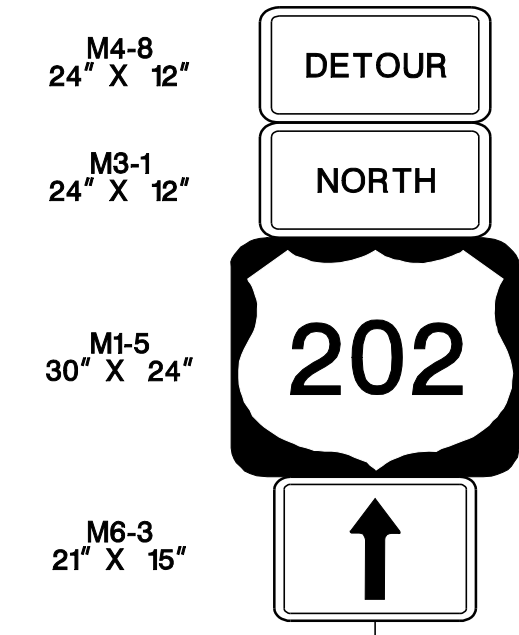
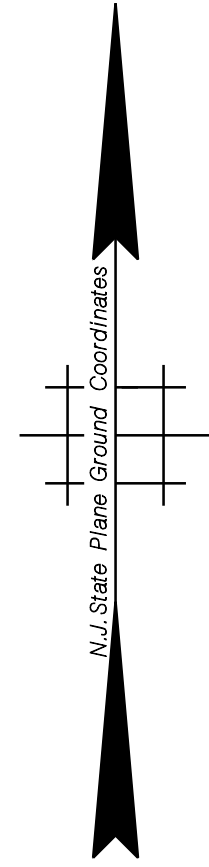
TC-10  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

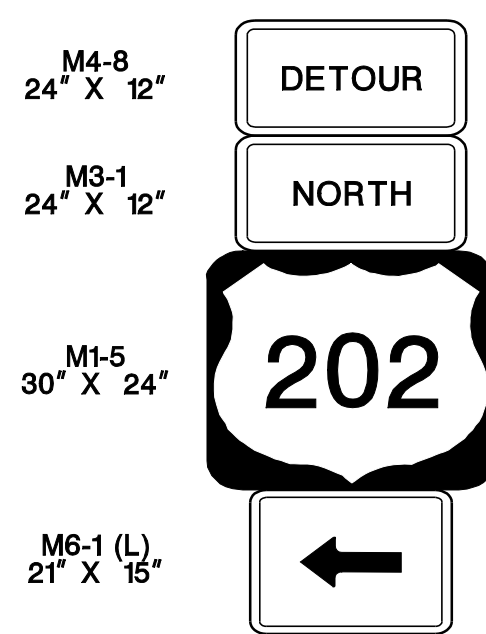
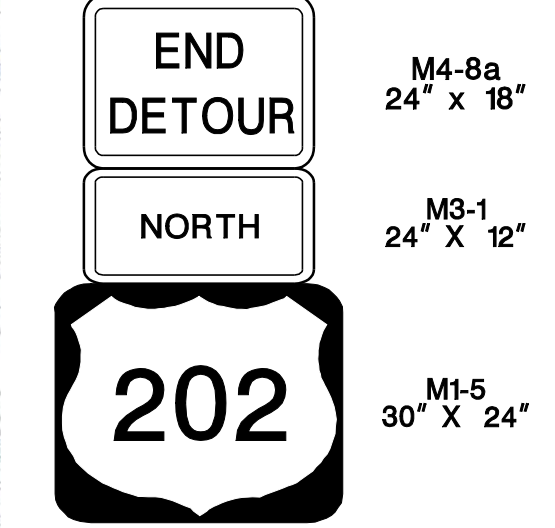
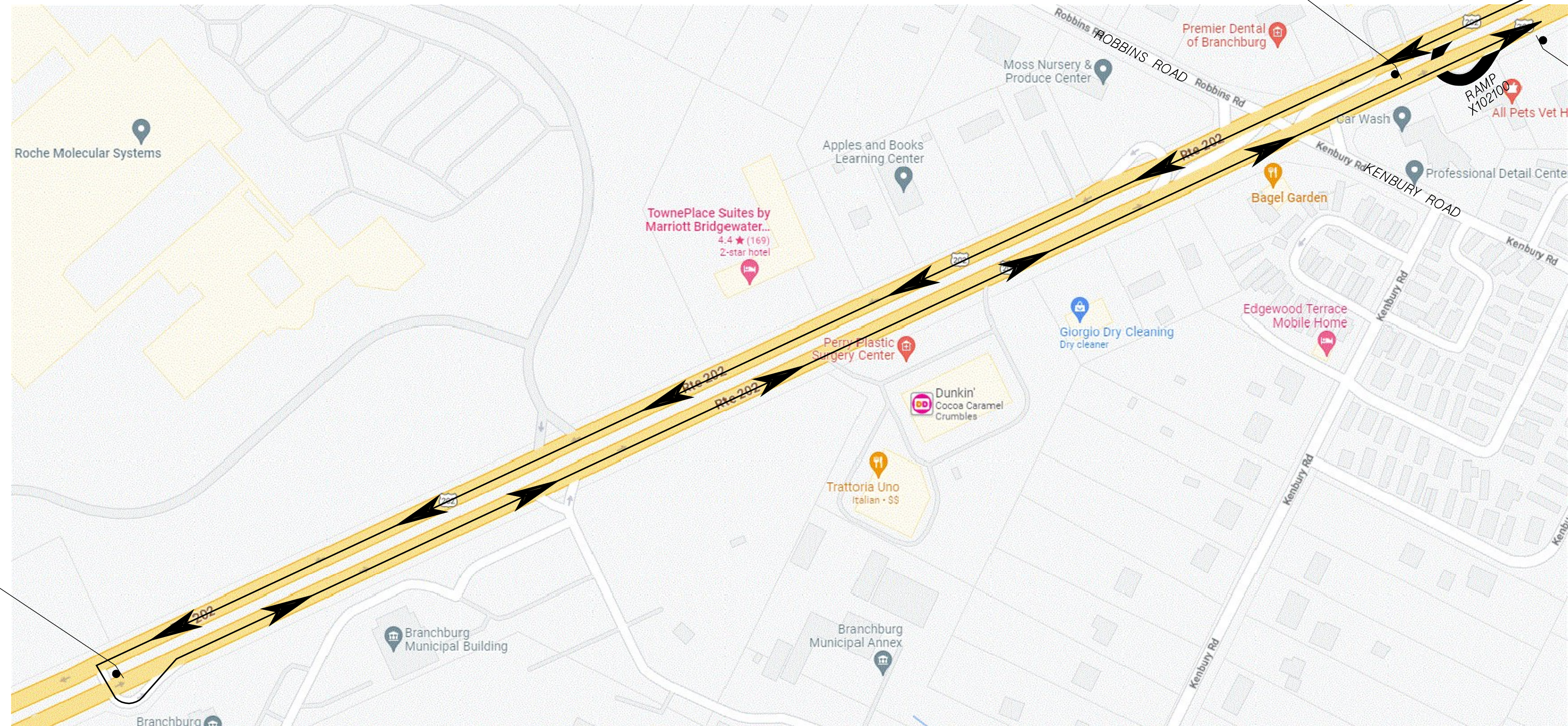
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN**  
**RAMP X102100**  
**ROUTE 202 SB TO**  
**ROUTE 202 NB**

N. T. S.

TC-31  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
 ROUTE 202

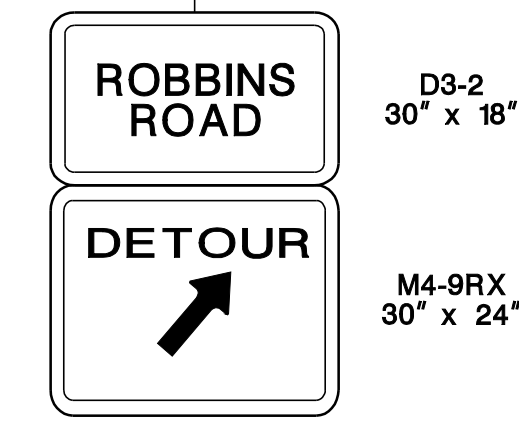
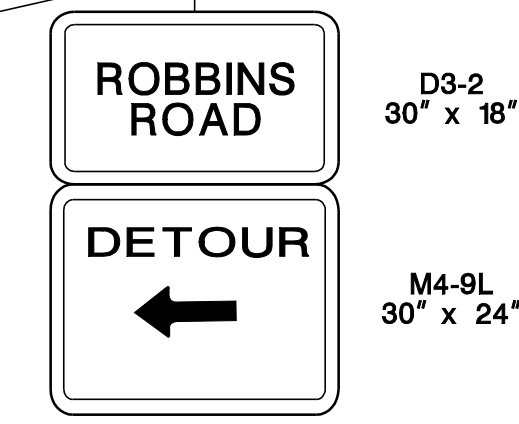
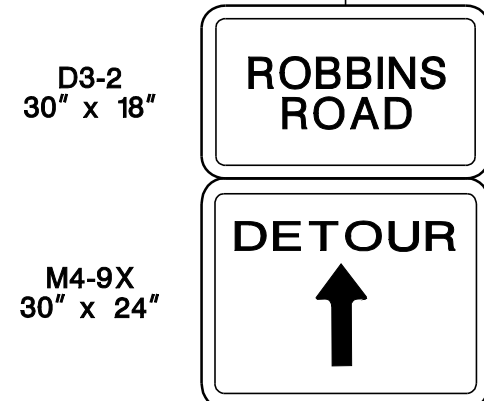
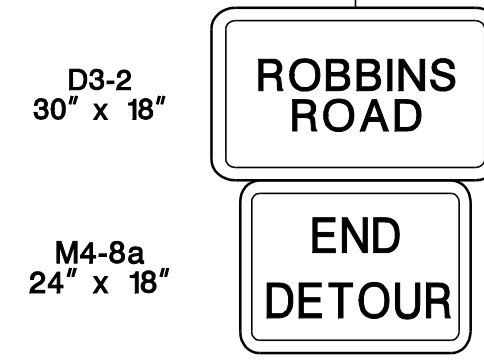
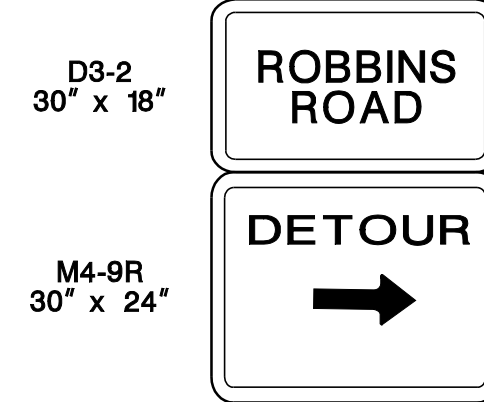
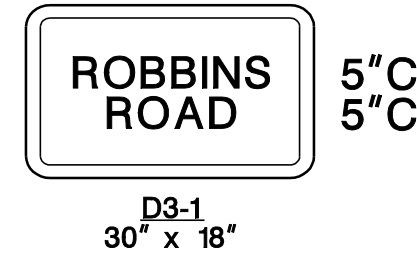
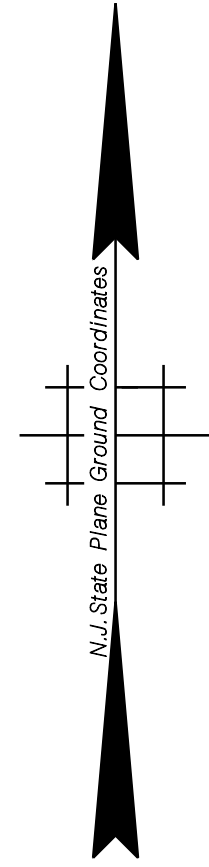
CONTRACT NO. 020223450





TOWNSHIP OF BRANCHBURG

COUNTY OF SOMERSET



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE

MATCH LINE

MATCH LINE

**DETOUR PLAN  
RAMP A102090  
ROUTE 202 NB TO  
ROBBINS ROAD**

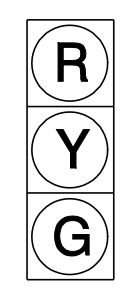
N. T. S.

TC-12  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND  
STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450



Traffic Signal



Closed Ramp

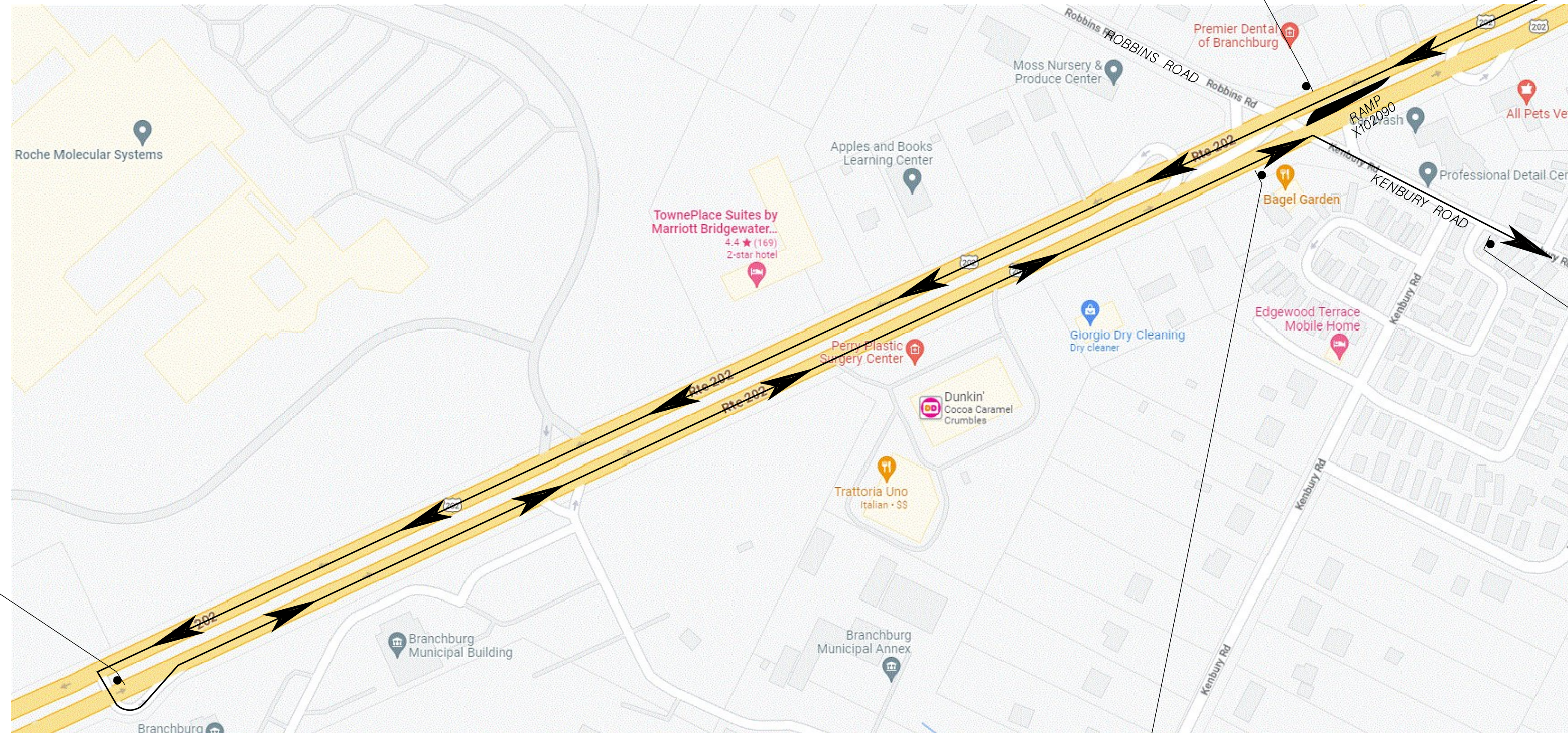
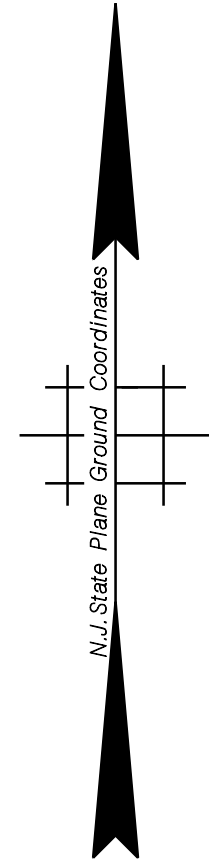
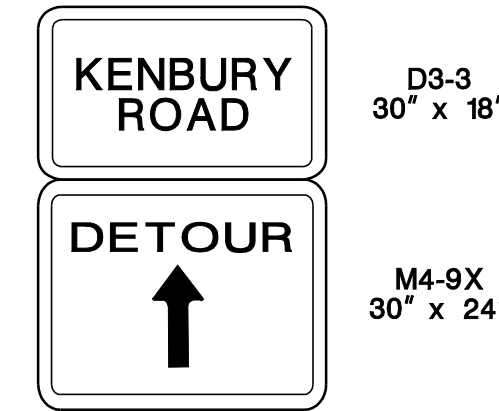
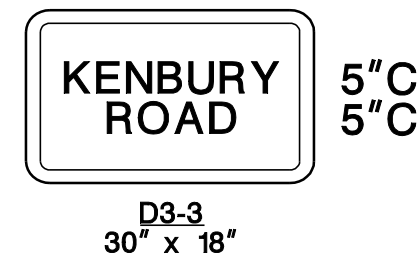


Traffic Detour Route

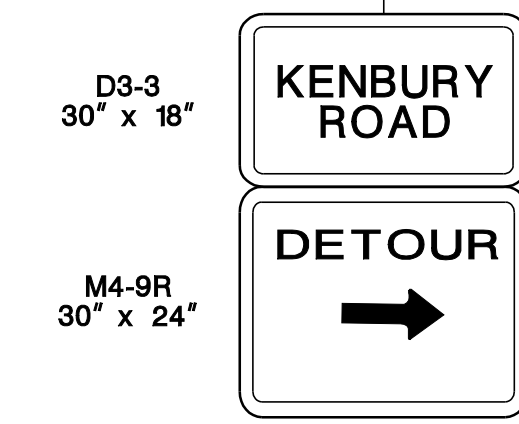
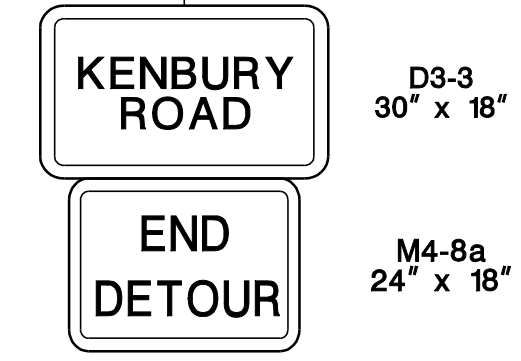
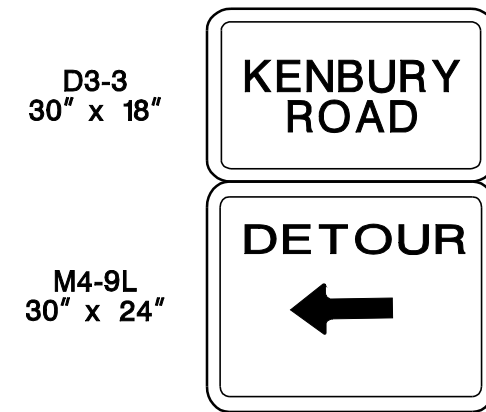


TOWNSHIP OF BRANCBURG

COUNTY OF SOMERSET



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN**  
**RAMP X102090**  
**ROUTE 202 SB TO**  
**KENBURY ROAD**

N. T. S.

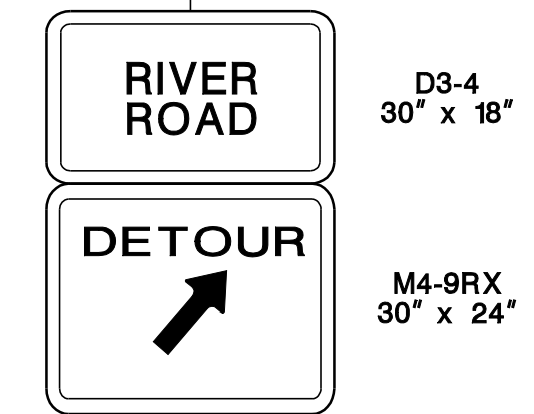
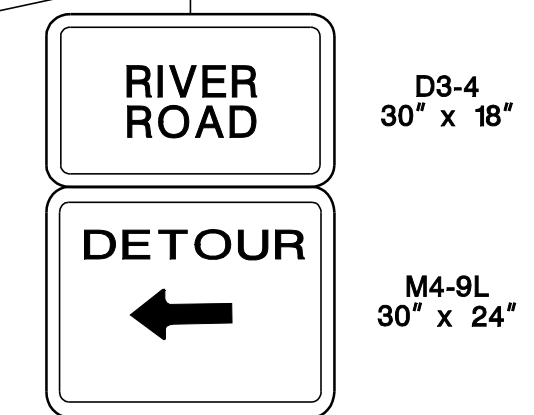
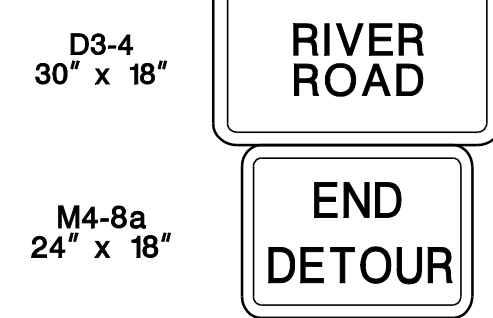
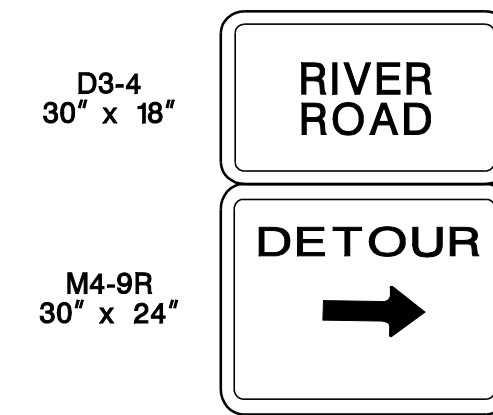
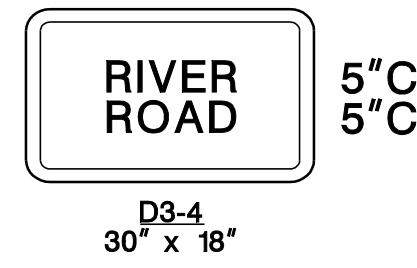
TC-13  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE



Traffic Signal

Closed Ramp

Traffic Detour Route

**DETOUR PLAN**  
**RAMP A102130**  
**ROUTE 202 NB TO**  
**RIVER ROAD**

N. T. S.

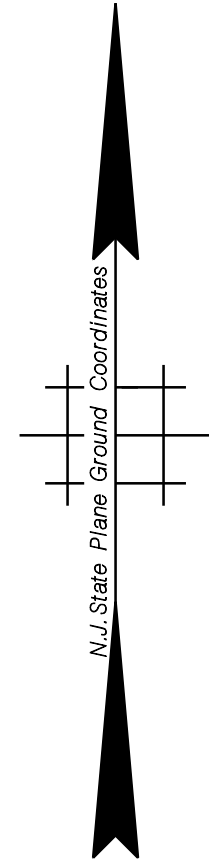
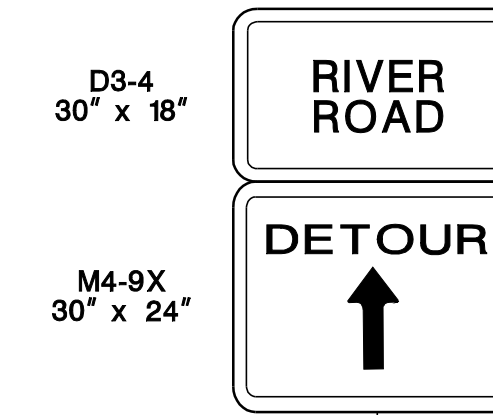
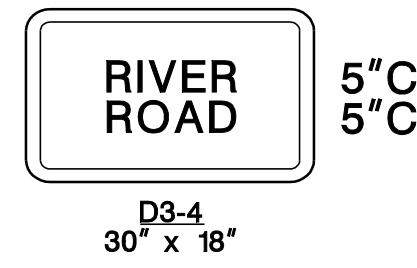
TC-14  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

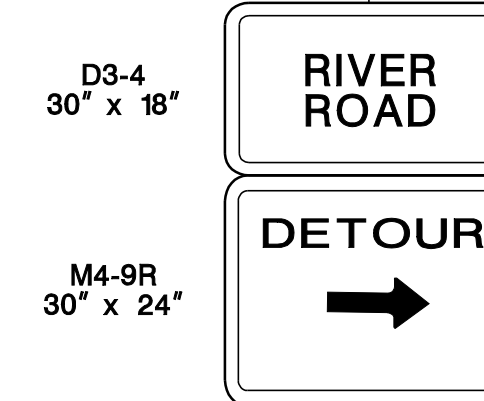
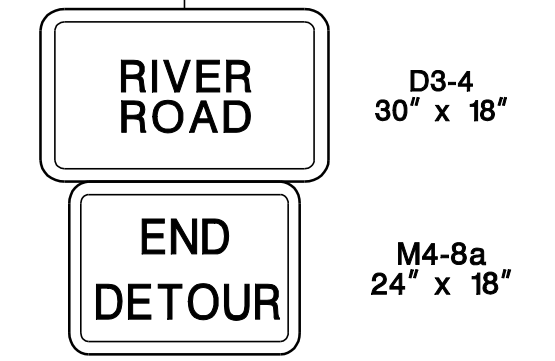
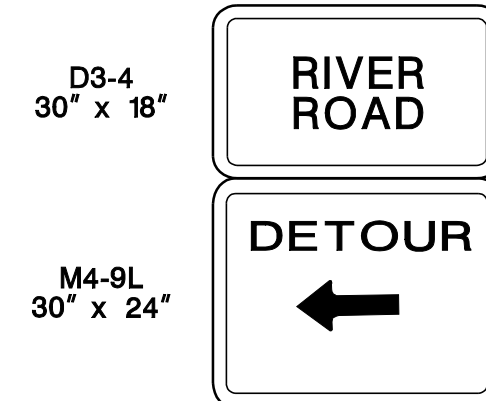
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE



**DETOUR PLAN**  
**RAMP X102140**  
**ROUTE 202 SB TO**  
**RIVER ROAD**

N. T. S.

TC-15  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

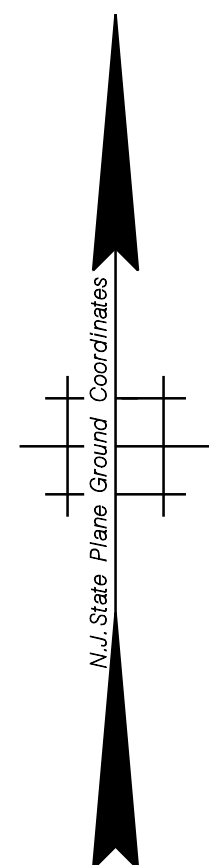
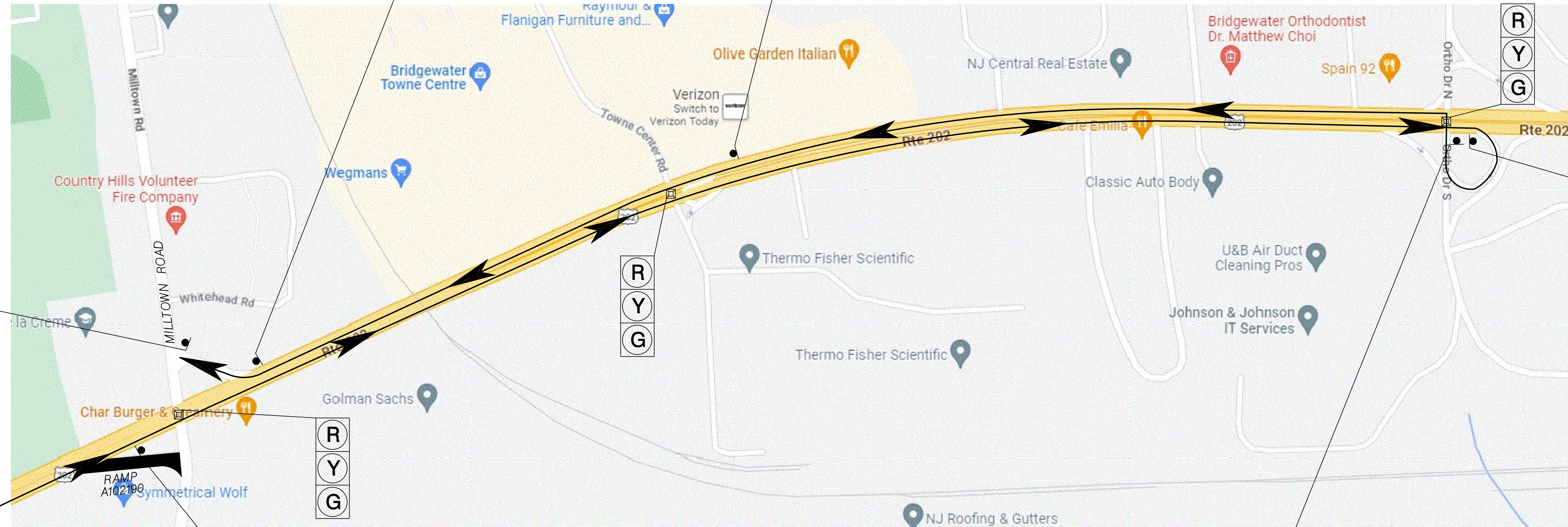
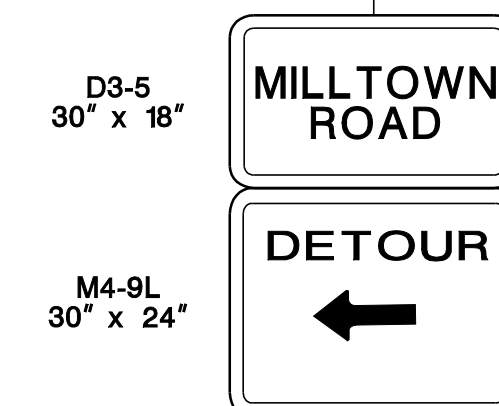
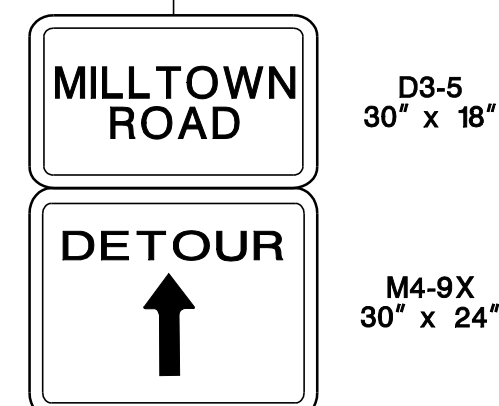
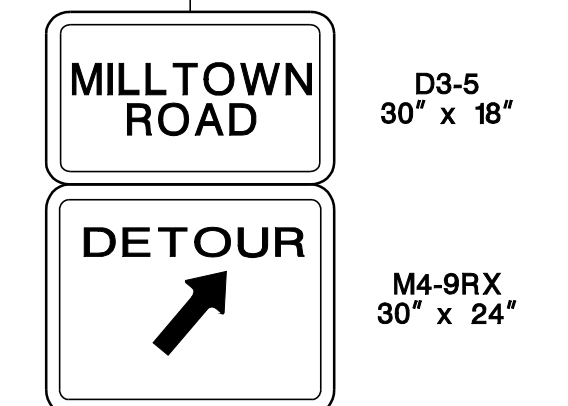
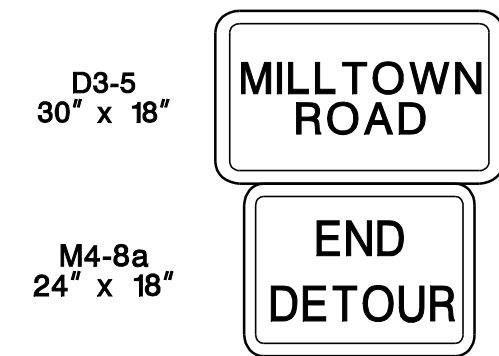
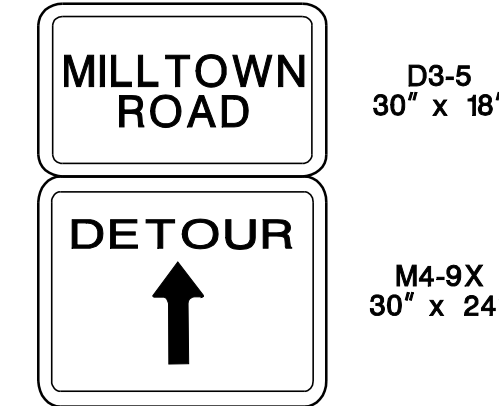
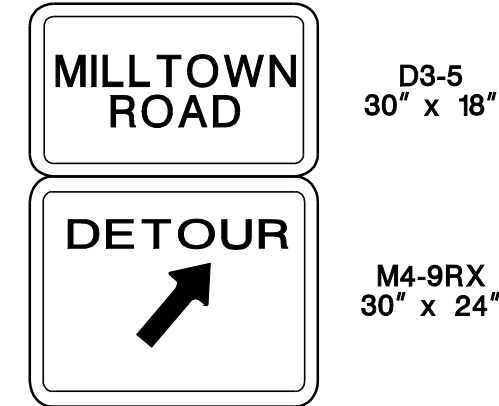
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE

**DETOUR PLAN**  
**RAMP A102190**  
**ROUTE 202 NB TO**  
**MILLTOWN ROAD**

N. T. S.

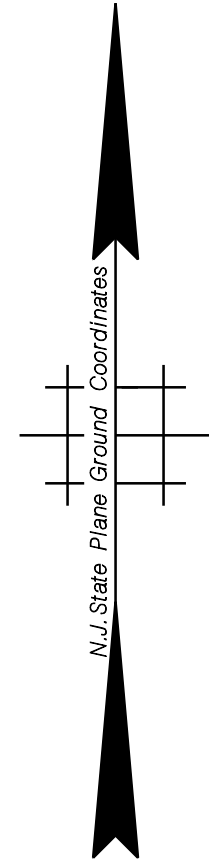
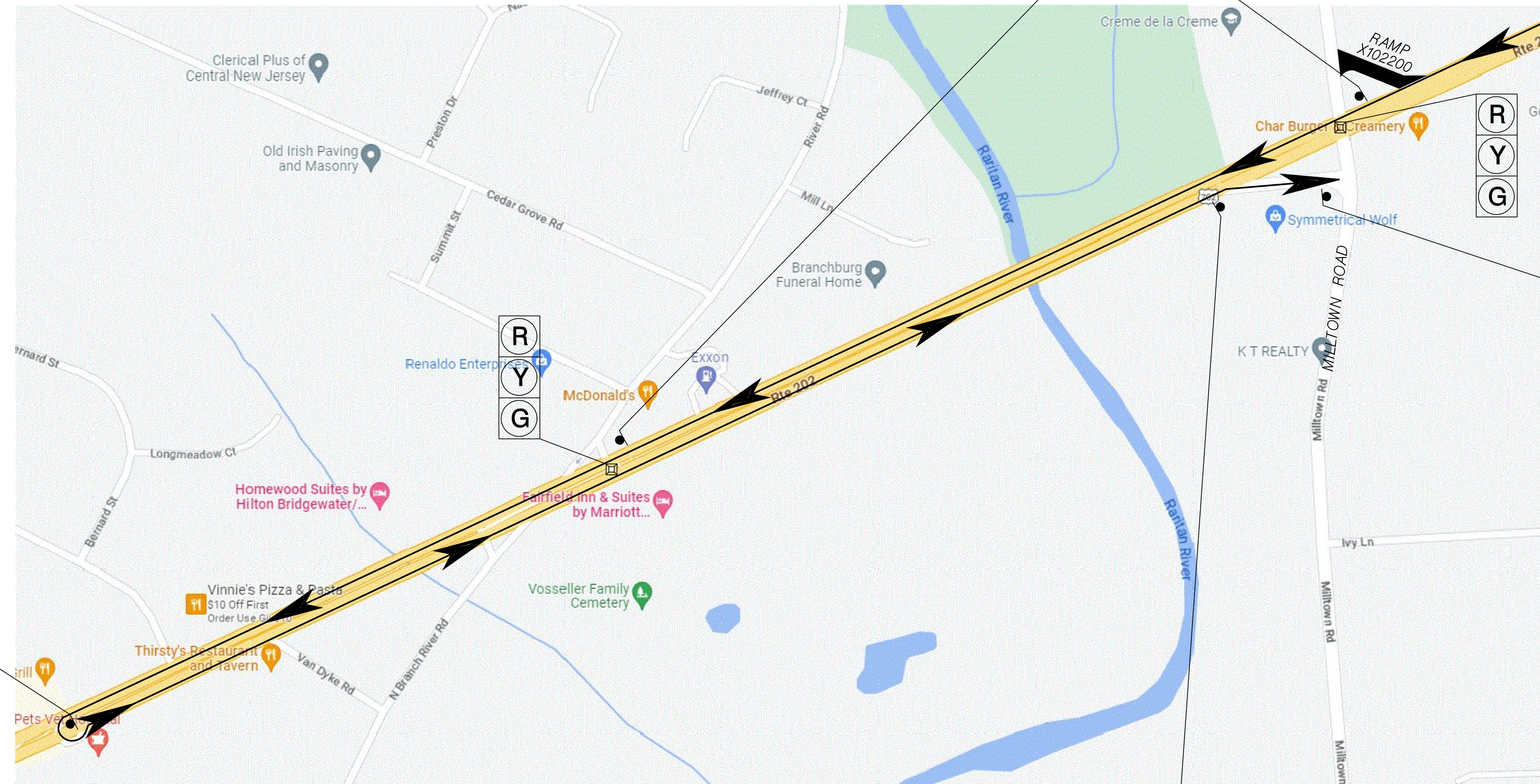
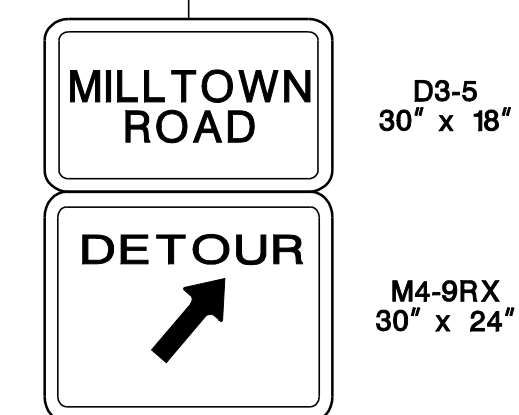
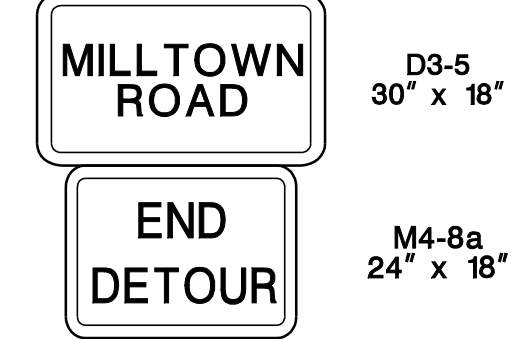
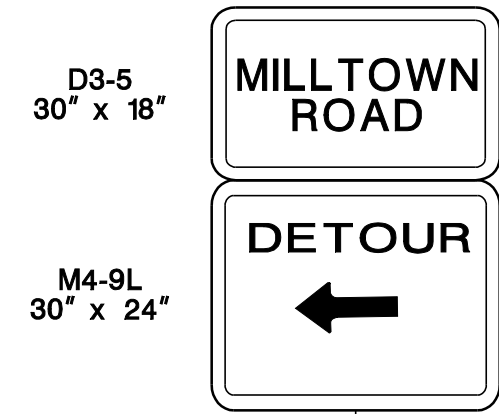
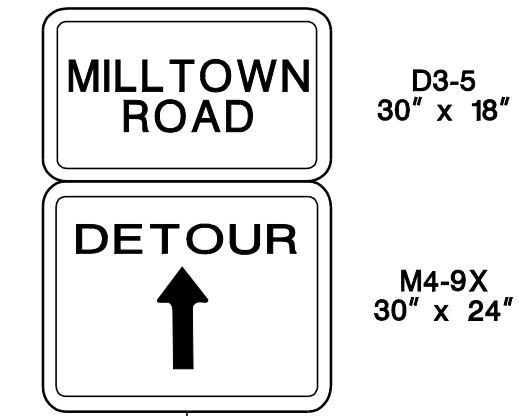
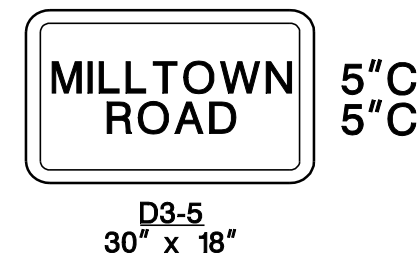
TC-16  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE

**DETOUR PLAN**  
**RAMP X102200**  
**ROUTE 202 SB TO**  
**MILLTOWN ROAD**

N. T. S.

TC-17  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

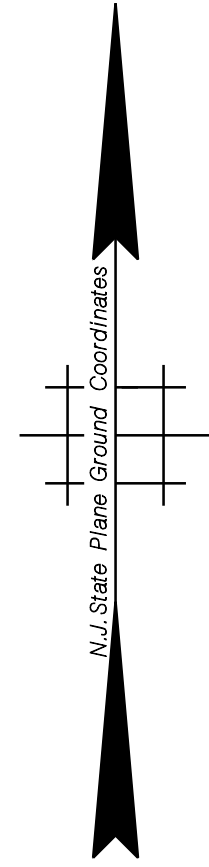
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



M4-8  
24" X 12"  
DETOUR

M3-1  
24" X 12"  
NORTH

M1-5  
30" X 24"  
202

M6-1 (L)  
21" X 15"  
←

M4-8  
24" X 12"  
DETOUR

M3-1  
24" X 12"  
NORTH

M1-5  
30" X 24"  
202

M6-2 (R)  
21" X 15"  
↗

M4-8  
24" X 12"  
DETOUR

M3-1  
24" X 12"  
NORTH

M1-5  
30" X 24"  
202

M6-3  
21" X 15"  
↑

FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE

M4-8a  
24" x 18"  
END  
DETOUR

M3-1  
24" X 12"  
NORTH

M1-5  
30" X 24"  
202

**DETOUR PLAN  
RAMP X102250 AND  
RAMP B102250  
ROUTE 202 SB TO  
ROUTE 202 NB**

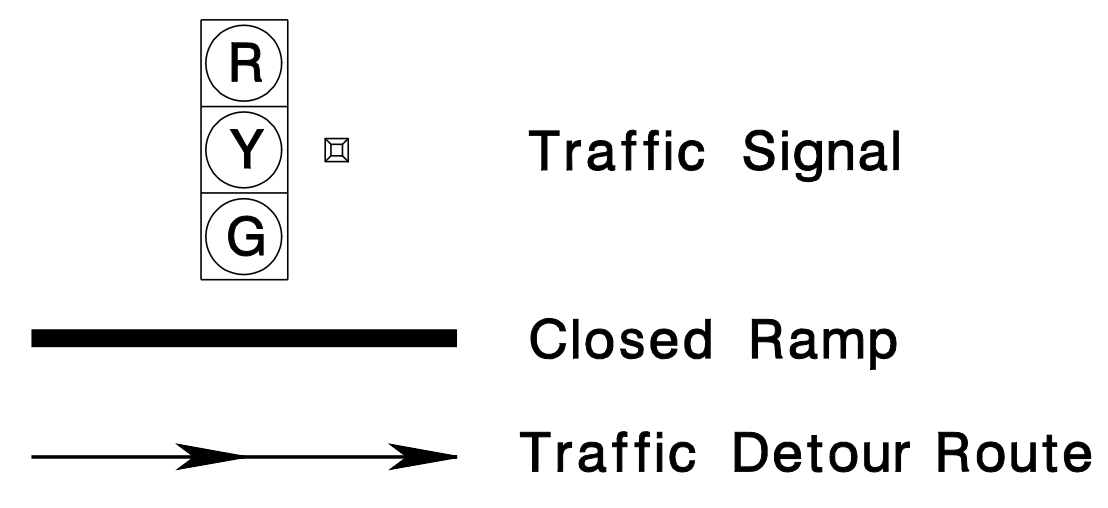
N. T. S.

TC-18  
TC-39

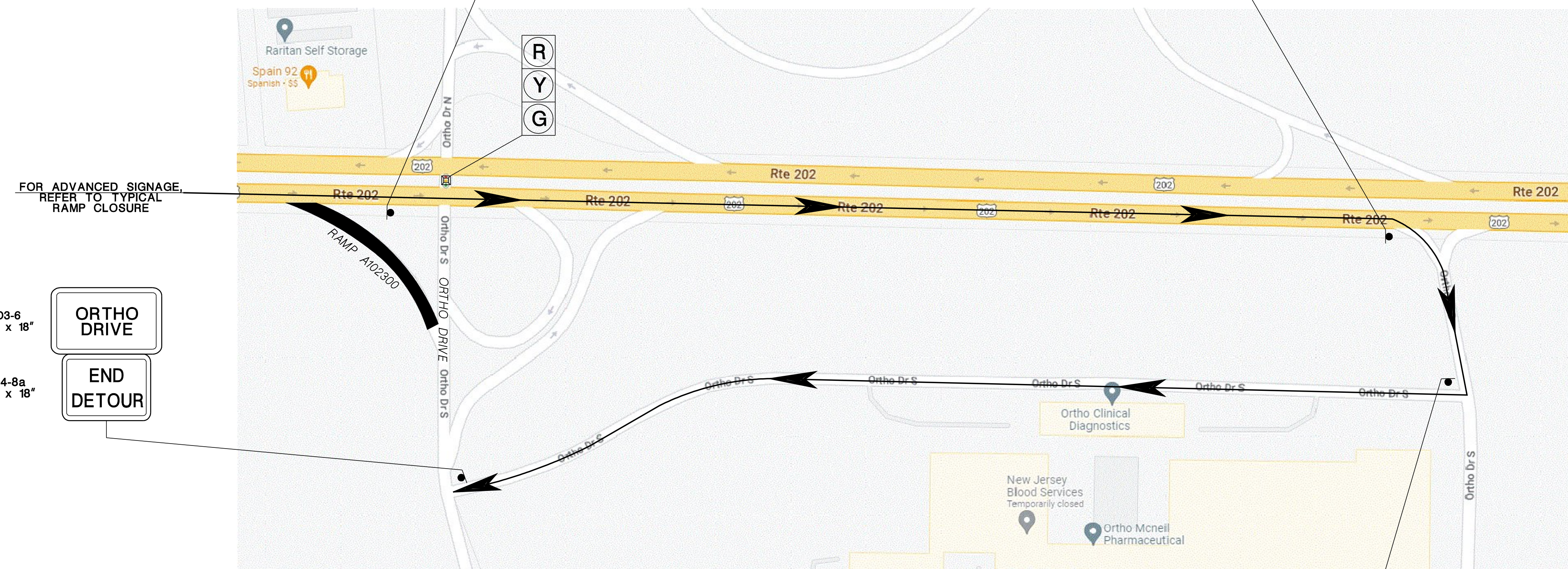
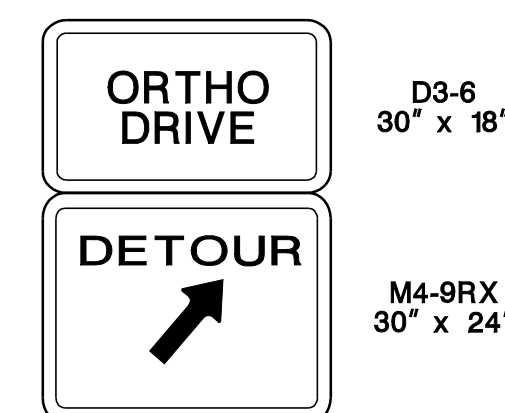
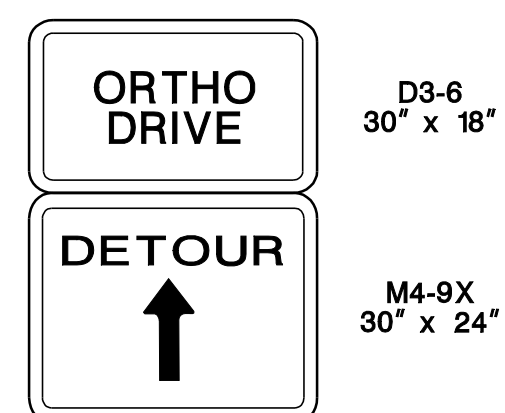
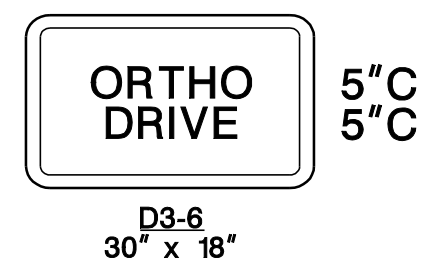
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND  
STAGING PLANS  
ROUTE 202**

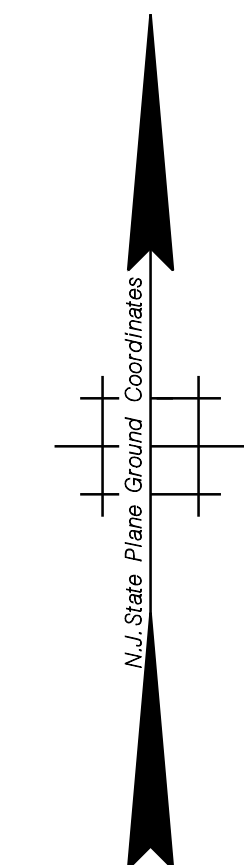
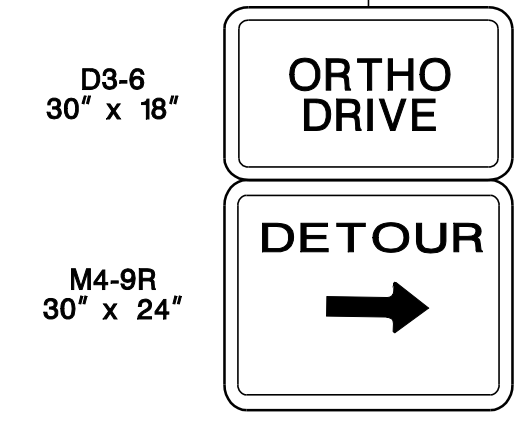
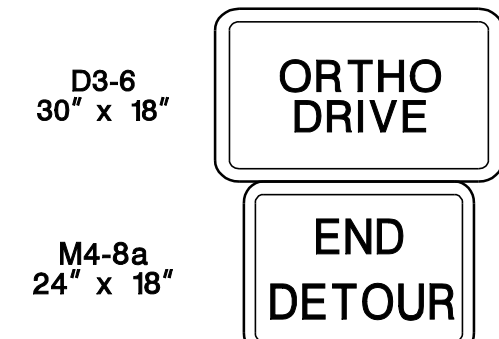
CONTRACT NO. 020223450







FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE



**DETOUR PLAN**  
**RAMP A102300**  
**ROUTE 202 NB TO**  
**ORTHO DRIVE**

N. T. S.

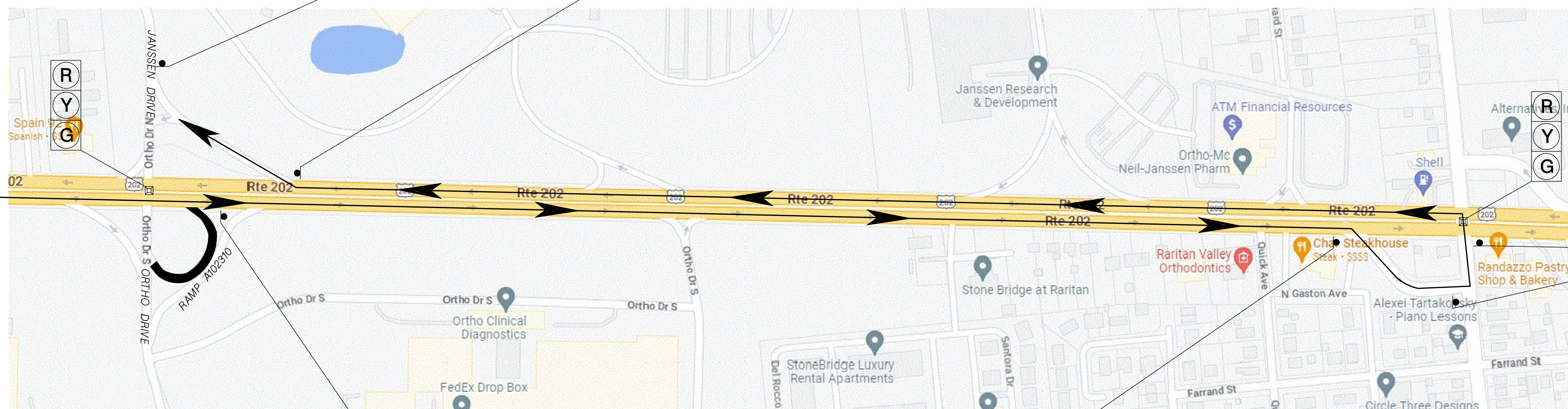
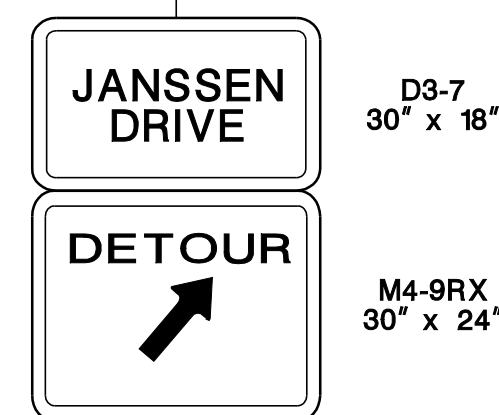
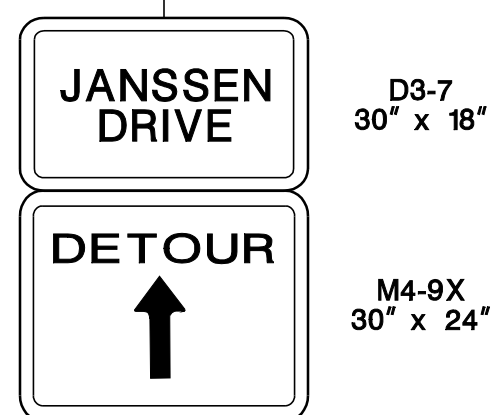
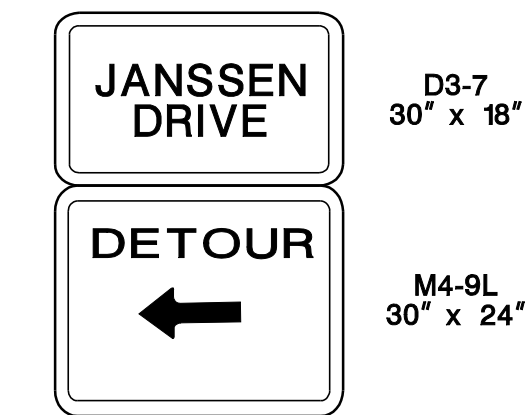
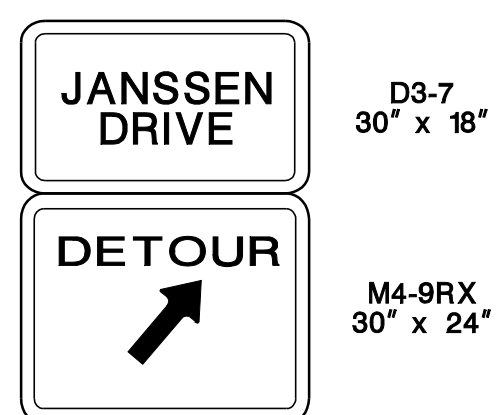
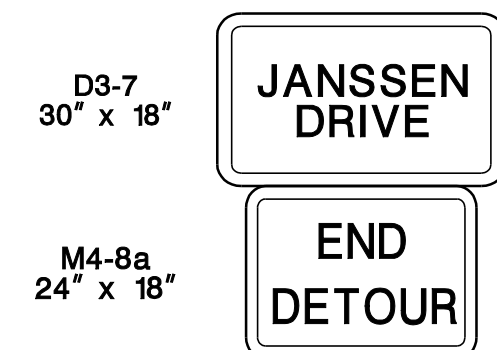
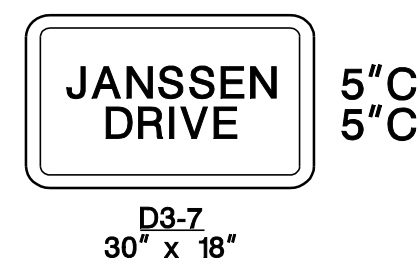
TC-19  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE

**DETOUR PLAN**  
**RAMP A102310**  
**ROUTE 202 NB TO**  
**JANSSEN DRIVE**

N. T. S.

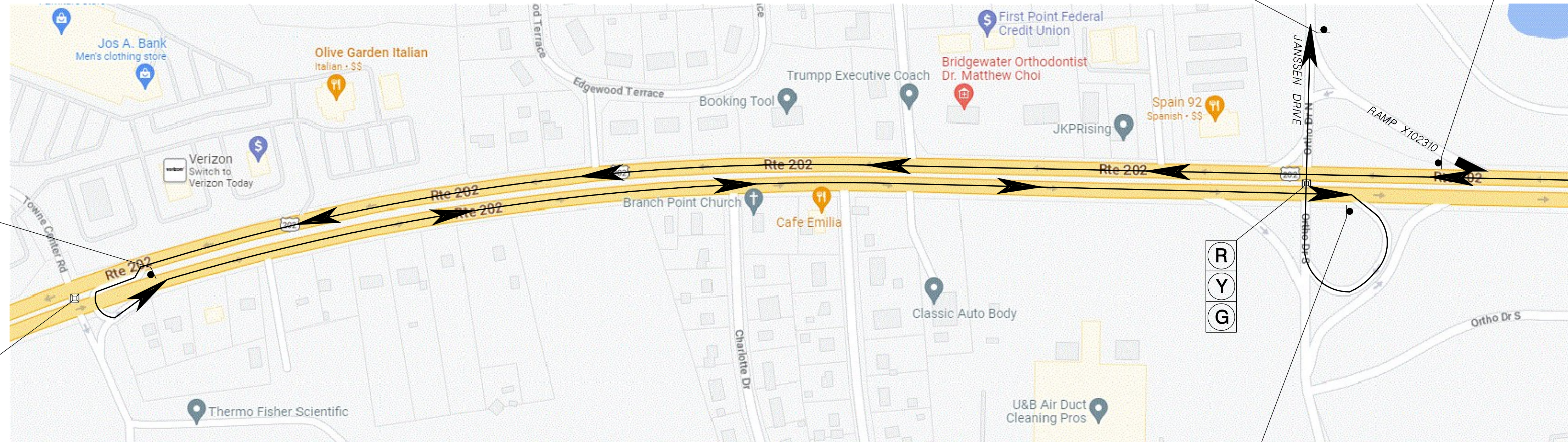
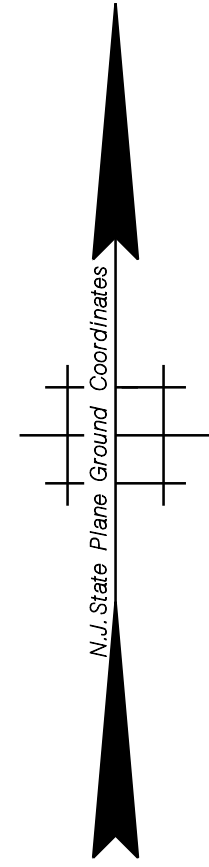
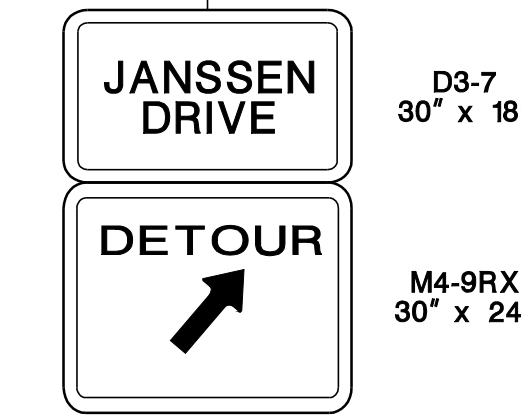
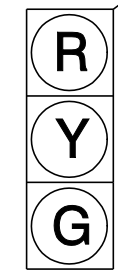
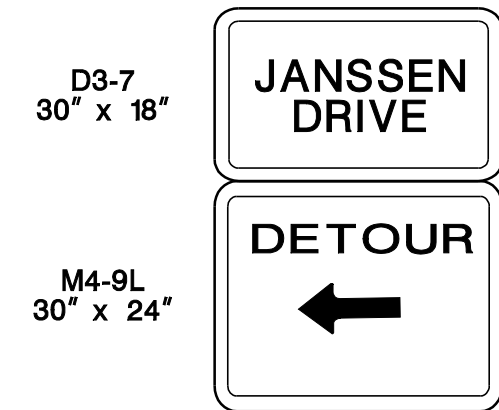
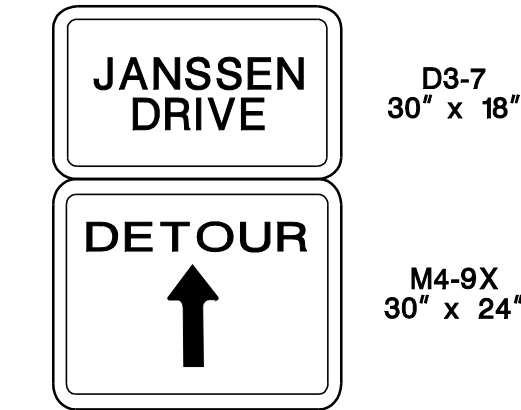
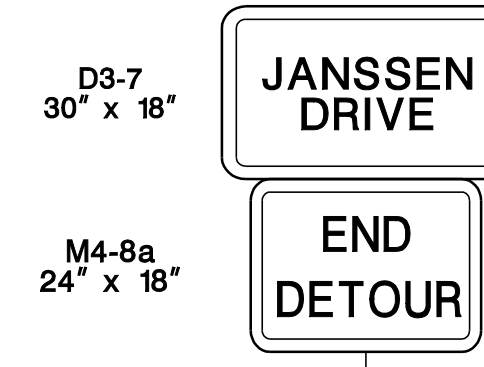
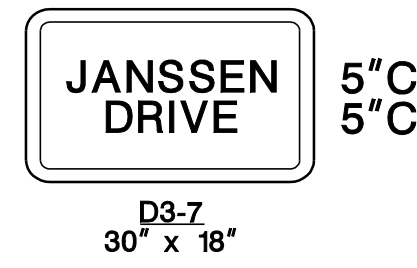
TC-20  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE

**DETOUR PLAN  
RAMP X102310  
ROUTE 202 SB TO  
JANSSEN DRIVE**

N. T. S.

TC-21  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

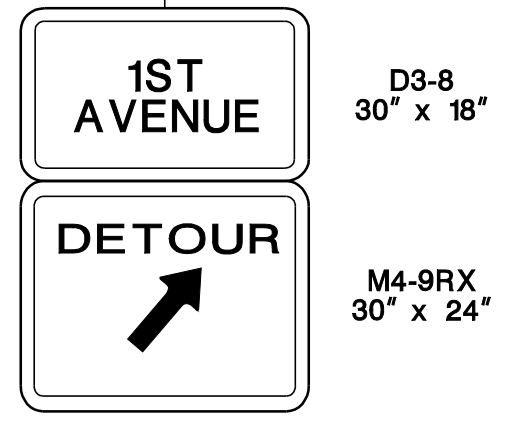
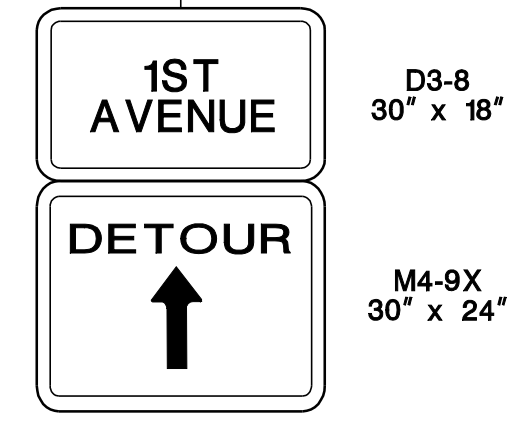
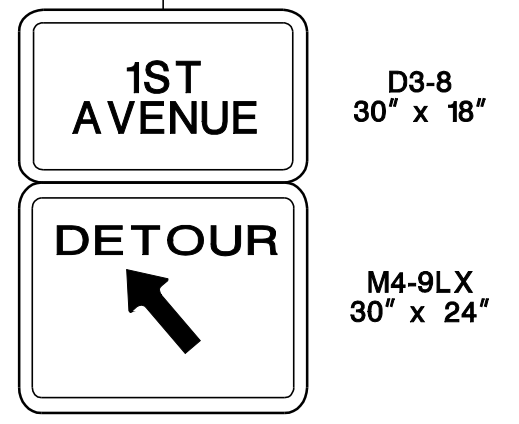
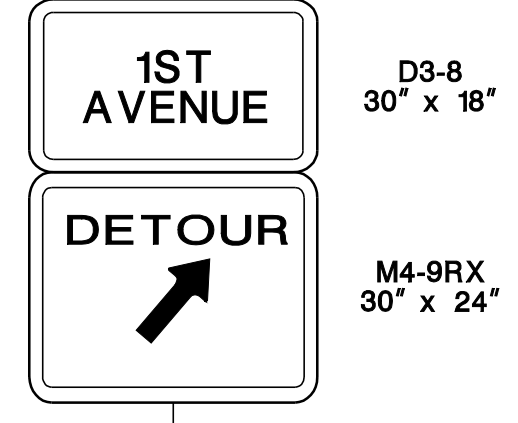
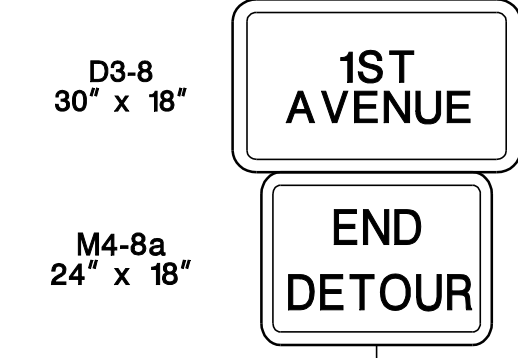
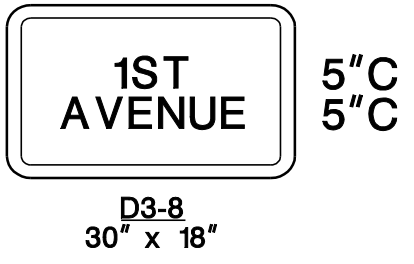
**TRAFFIC CONTROL AND  
STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450

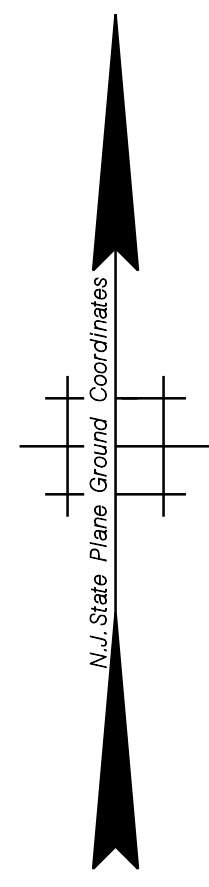
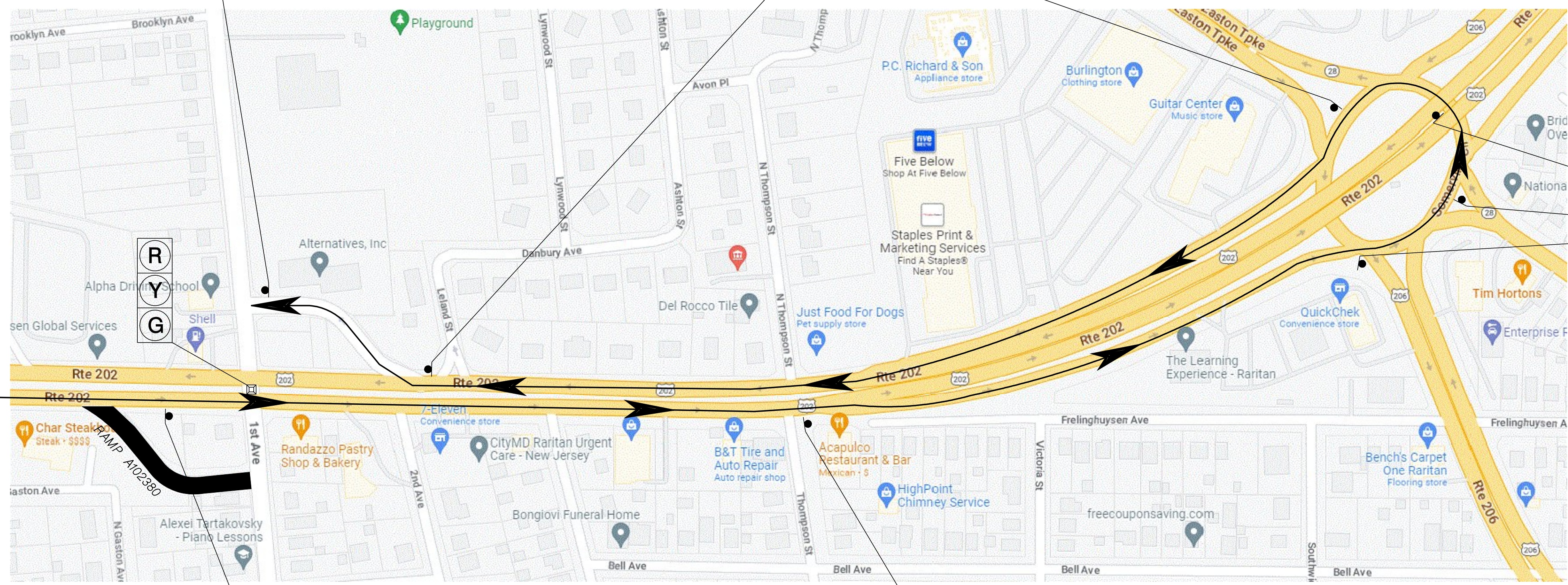


BOROUGH OF RARITAN

COUNTY OF SOMERSET



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN**  
**RAMP A102380**  
**ROUTE 202 NB TO**  
**1ST AVENUE**

N. T. S.

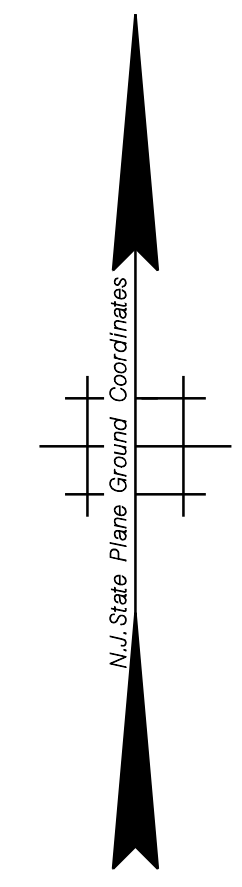
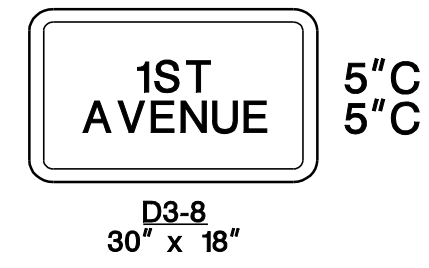
TC-22  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450





FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE

**DETOUR PLAN**  
**RAMP X102400**  
**ROUTE 202 SB TO**  
**1ST AVENUE**

N. T. S.

TC-23  
TC-39

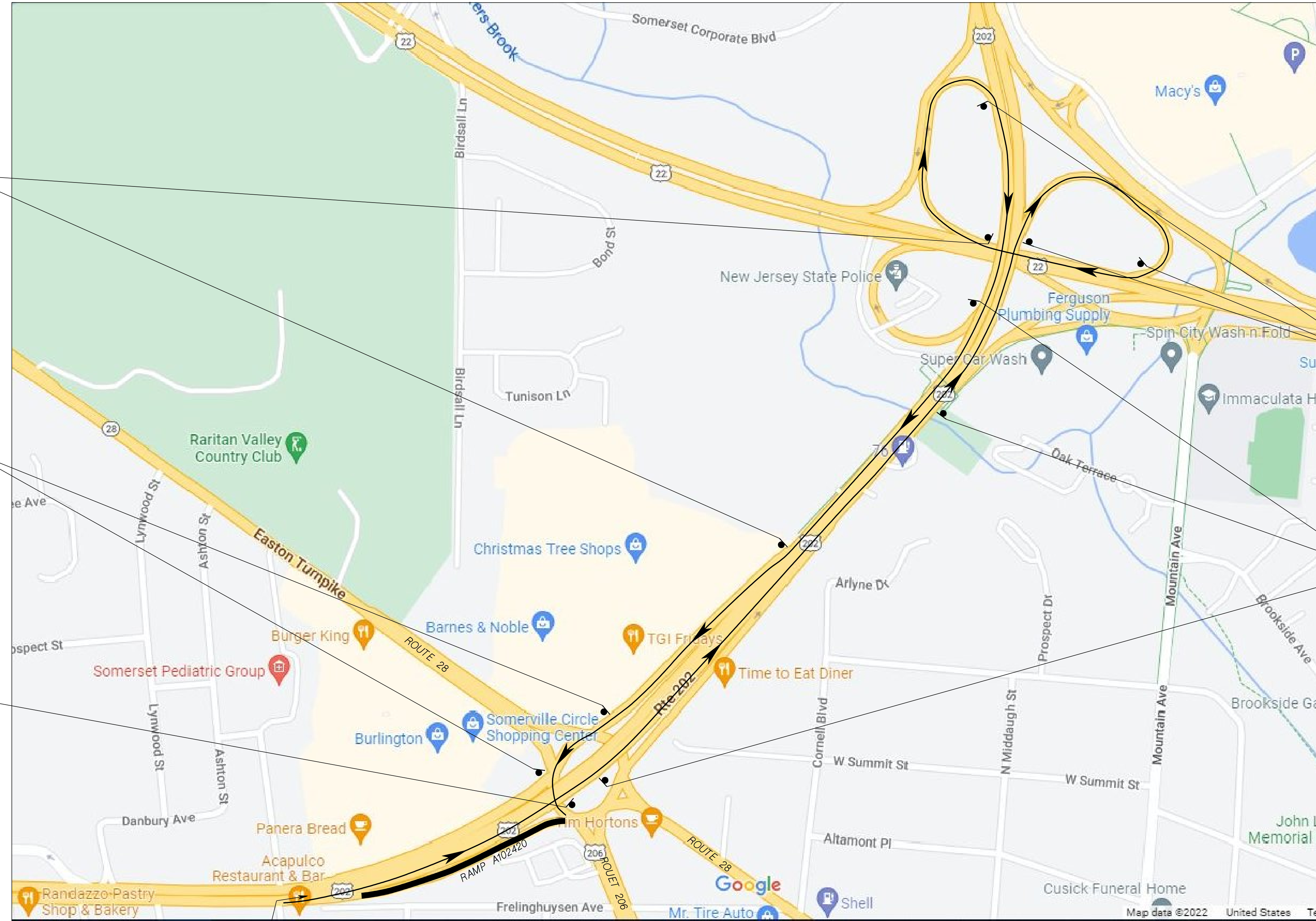
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450



- M4-8  
24" x 12" DETOUR SOUTH
- M1-4  
30" x 24" 206
- M1-5  
24" x 24" 28
- M6-2R  
21" x 15" [Right Arrow]
- M4-8  
24" x 12" DETOUR SOUTH
- M1-4  
30" x 24" 206
- M1-5  
24" x 24" 28
- M6-2L  
21" x 15" [Left Arrow]
- M3-3  
24" x 12" SOUTH
- M1-4  
30" x 24" 206
- M1-5  
24" x 24" 28
- M4-8a  
24" x 18" END DETOUR



- M4-8  
24" x 12" DETOUR SOUTH
- M1-4  
30" x 24" 206
- M1-5  
24" x 24" 28
- M6-2R  
21" x 15" [Right Arrow]
- M4-8  
24" x 12" DETOUR SOUTH
- M1-4  
30" x 24" 206
- M1-5  
24" x 24" 28
- M6-3  
21" x 15" [Up Arrow]

**NOTES:**

- Closed Ramp
- Traffic Detour Route

FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE

**DETOUR PLAN**  
**RAMP A102420**  
**RT. 202 NB TO RT. 206 SB /RT. 28**  
 N. T. S.

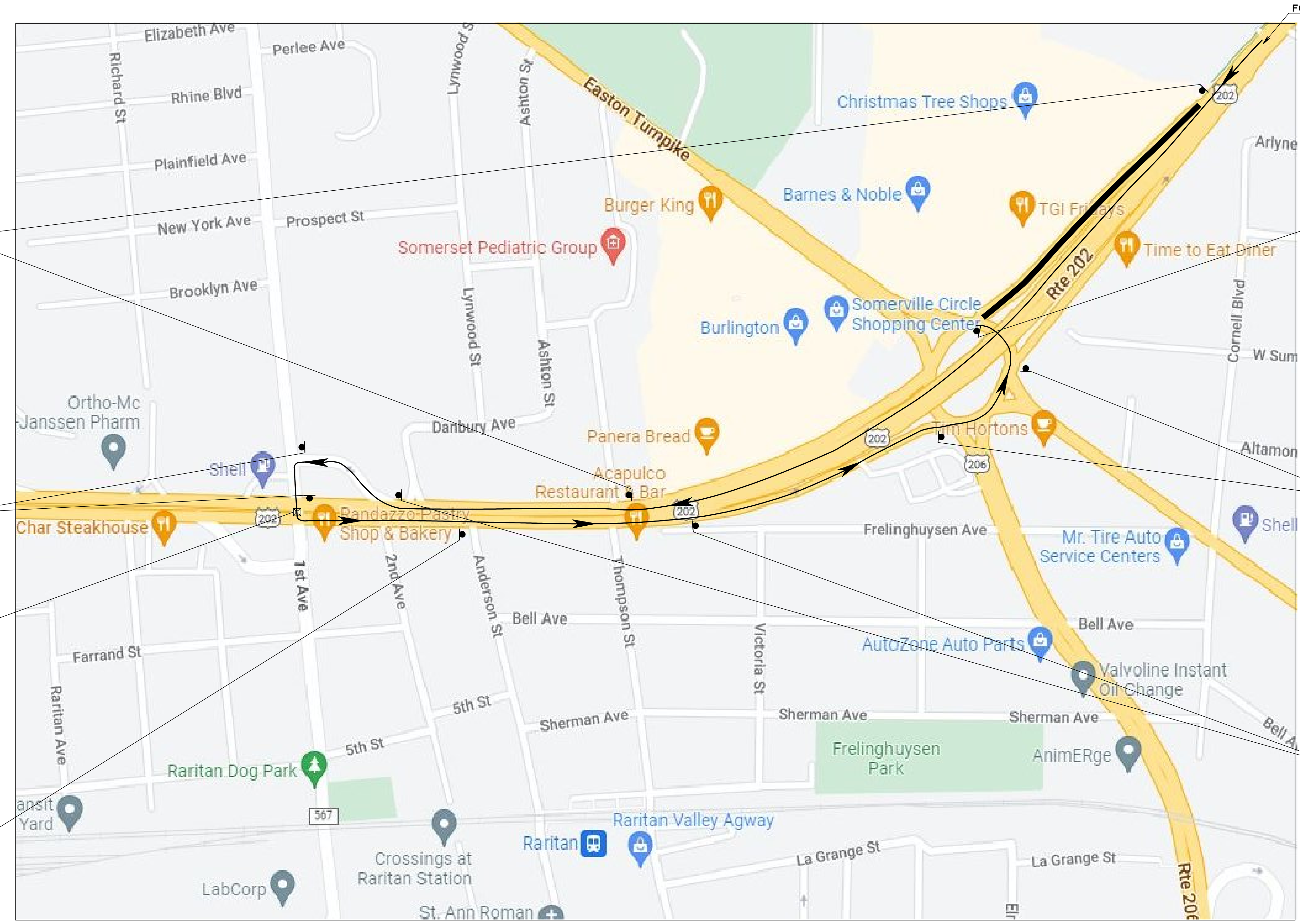
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND STAGING PLANS**  
 ROUTE 202

CONTRACT NO. 020223450

TC-24  
TC-39





- M4-8 24" x 12" **DETOUR SOUTH**
- M3-3 24" x 12" **206**
- M1-4 30" x 24" **28**
- M1-5 24" x 24" **↑**
- M6-3 21" x 15" **↑**
- M4-8 24" x 12" **DETOUR SOUTH**
- M3-3 24" x 12" **206**
- M1-4 30" x 24" **28**
- M1-5 24" x 24" **28**
- M6-1L 21" x 15" **←**
- R**
- Y**
- G**
- M4-8 24" x 12" **DETOUR SOUTH**
- M3-3 24" x 12" **206**
- M1-4 30" x 24" **28**
- M1-5 24" x 24" **28**
- M6-3 21" x 15" **↑**

- SOUTH**
- M3-3 24" x 12" **206**
- M1-4 30" x 24" **28**
- M1-5 24" x 24" **END DETOUR**
- M4-8a 24" x 18" **END DETOUR**
- M4-8 24" x 12" **DETOUR SOUTH**
- M3-3 24" x 12" **206**
- M1-4 30" x 24" **28**
- M1-5 24" x 24" **28**
- M6-2L 21" x 15" **↙**
- M4-8 24" x 12" **DETOUR SOUTH**
- M3-3 24" x 12" **206**
- M1-4 30" x 24" **28**
- M1-5 24" x 24" **28**
- M6-2R 21" x 15" **↘**

**NOTES:**

- R** **Y** **G** Traffic Signal
- Closed Ramp
- Traffic Detour Route

**DETOUR PLAN**  
**RT. 202 SB TO RT. 206 SB / RT. 28**

N. T. S.

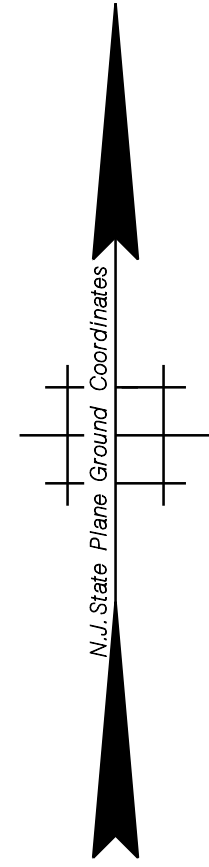
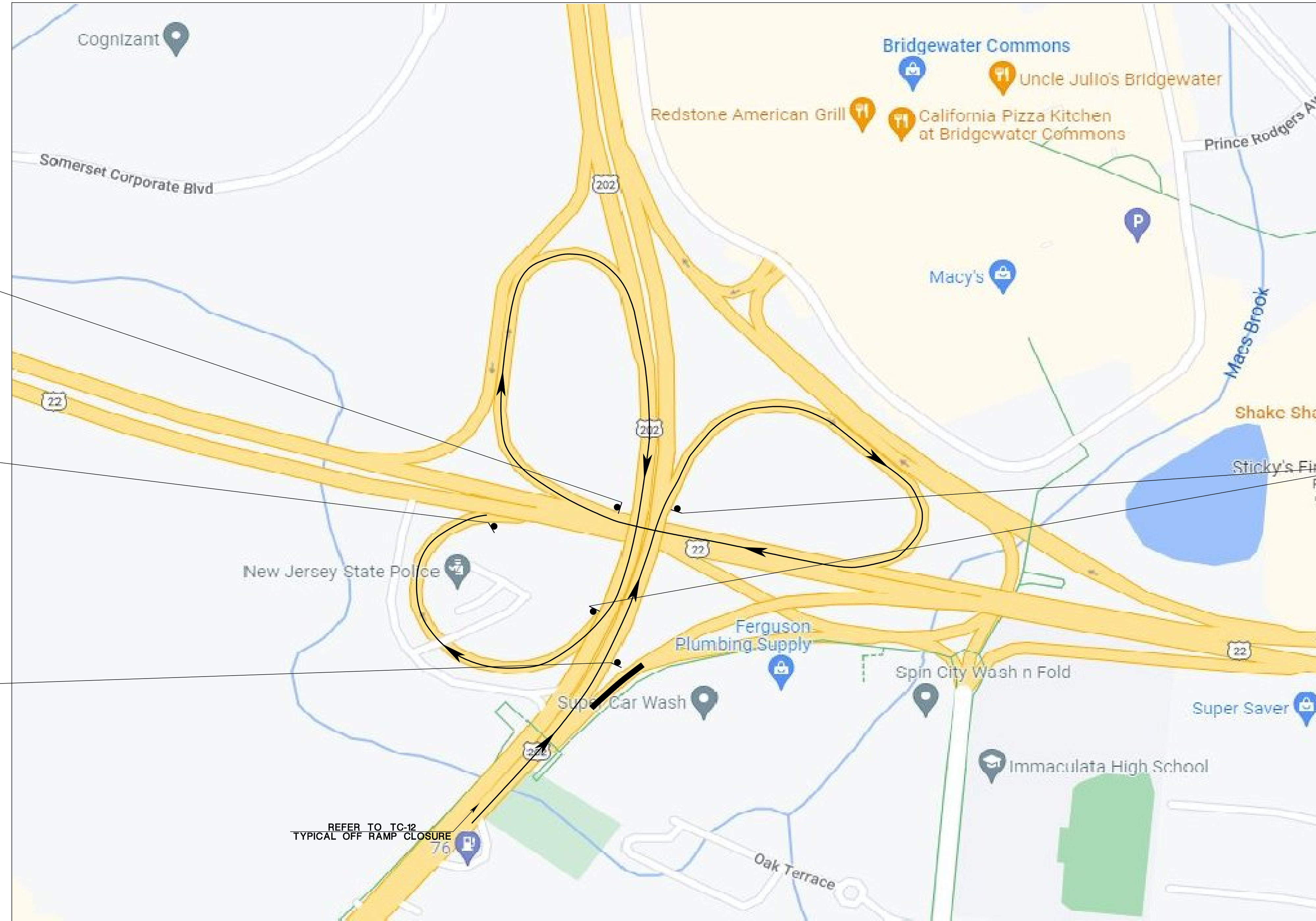
TC-25  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450





- M4-8  
24" x 12" DETOUR
- M3-2  
24" x 12" EAST
- M1-4  
24" x 24" 22
- M6-2R  
21" x 15" [Arrow pointing up-right]
- M3-2  
24" x 12" EAST
- M1-4  
24" x 24" 22
- M4-8a  
24" x 18" END DETOUR
- M4-8  
24" x 12" DETOUR
- M3-2  
24" x 12" EAST
- M1-4  
24" x 24" 22
- M6-3  
21" x 15" [Arrow pointing up]

- M4-8  
24" x 12" DETOUR
- M3-2  
24" x 12" EAST
- M1-4  
24" x 24" 22
- M6-2R  
21" x 15" [Arrow pointing up-right]

**NOTES:**

- Closed Ramp
- Traffic Detour Route

**DETOUR PLAN**  
**RT. 202 NB TO RT. 22 EB**

N. T. S.

TC-26  
 TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
 ROUTE 202

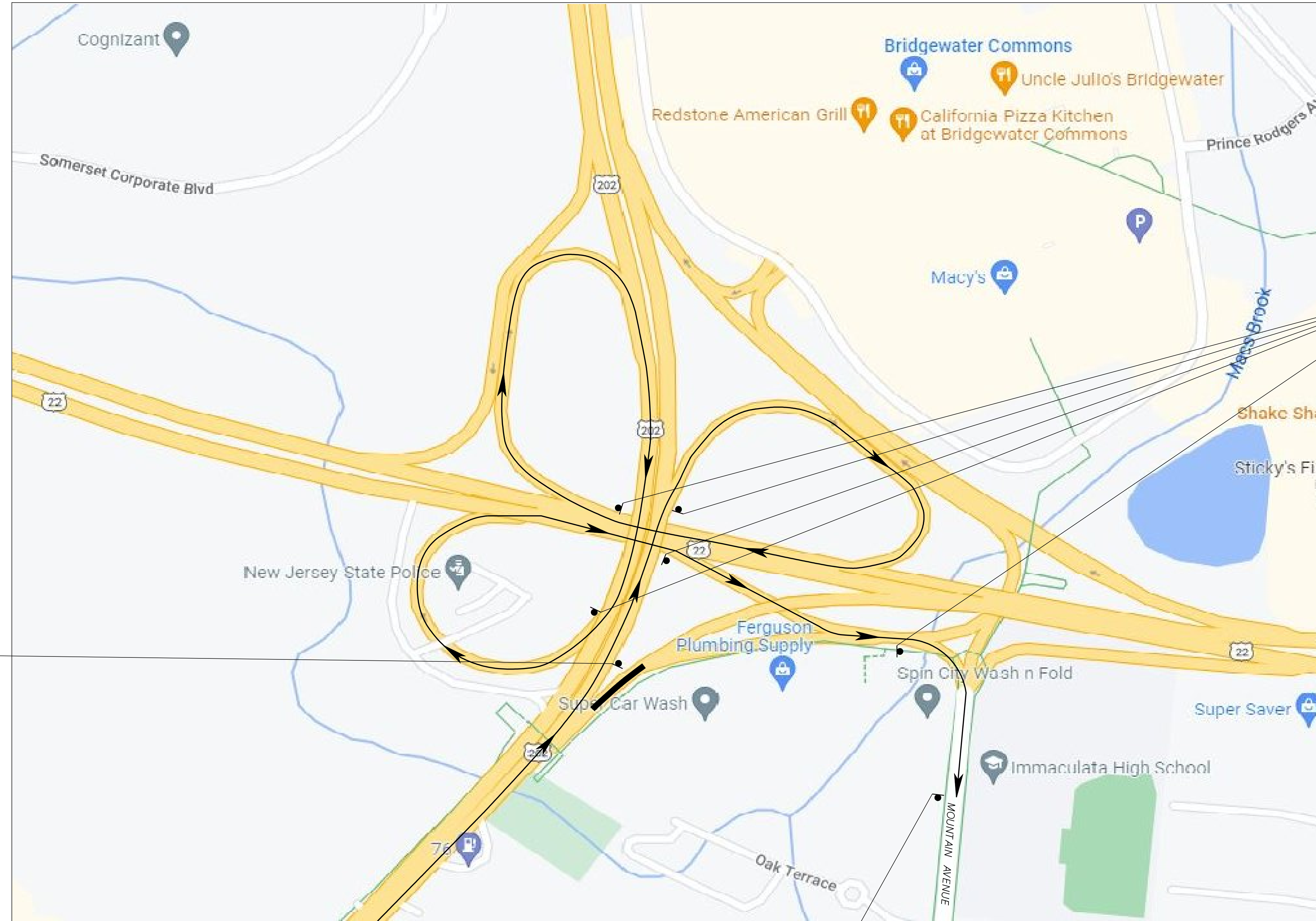
CONTRACT NO. 020223450



**MOUNTAIN AVENUE**  
5" C  
5" C  
D3-9  
30" x 18"

D3-9  
30" x 18"  
**MOUNTAIN AVENUE**  
M4-9X  
30" x 24"  
**DETOUR**  
↑

**MOUNTAIN AVENUE**  
D3-9  
30" x 18"  
**DETOUR**  
↗  
M4-9RX  
30" x 24"



FOR ADVANCED SIGNAGE,  
REFER TO TYPICAL  
RAMP CLOSURE

**NOTES:**

- Closed Ramp
- Traffic Detour Route

D3-9  
30" x 18"  
**MOUNTAIN AVENUE**  
M4-8a  
24" x 18"  
**END  
DETOUR**

**DETOUR PLAN  
RT. 202 NB TO  
MOUNTAIN AVE**

N. T. S.

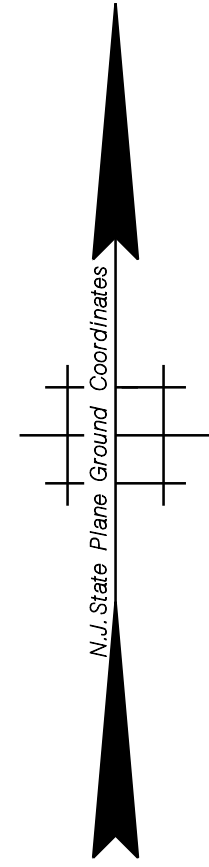
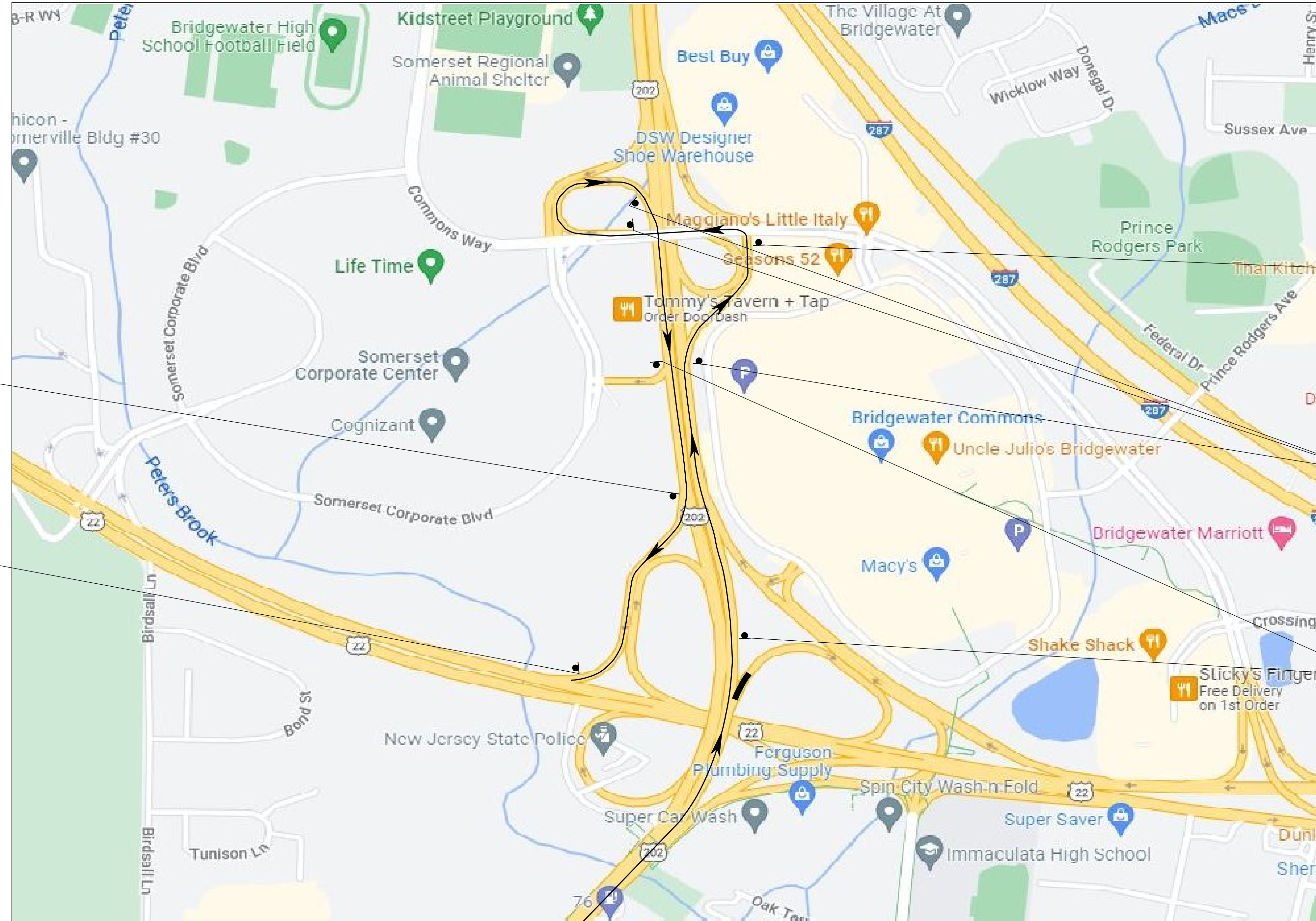
TC-27  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND  
STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450





- M4-8  
24" x 12"
- M3-4  
24" x 12"
- DETOUR WEST
- M1-4  
24" x 24"
- 22
- M6-2R  
21" x 15"
- ↗
- M3-4  
24" x 12"
- WEST
- M1-4  
24" x 24"
- 22
- M4-8a  
24" x 18"
- END DETOUR

- DETOUR WEST
- M4-8  
24" x 12"
- M3-4  
24" x 12"
- M1-4  
24" x 24"
- ←
- M6-1L  
21" x 15"
- DETOUR WEST
- M4-8  
24" x 12"
- M3-4  
24" x 12"
- M1-4  
24" x 24"
- ↗
- M6-2R  
21" x 15"
- DETOUR WEST
- M4-8  
24" x 12"
- M3-4  
24" x 12"
- M1-4  
24" x 24"
- ↑
- M6-3  
21" x 15"

**NOTES:**

- Closed Ramp
- Traffic Detour Route

FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE

**DETOUR PLAN  
RT. 202 NB TO RT. 22 WB**

N. T. S.

TC-28  
TC-39

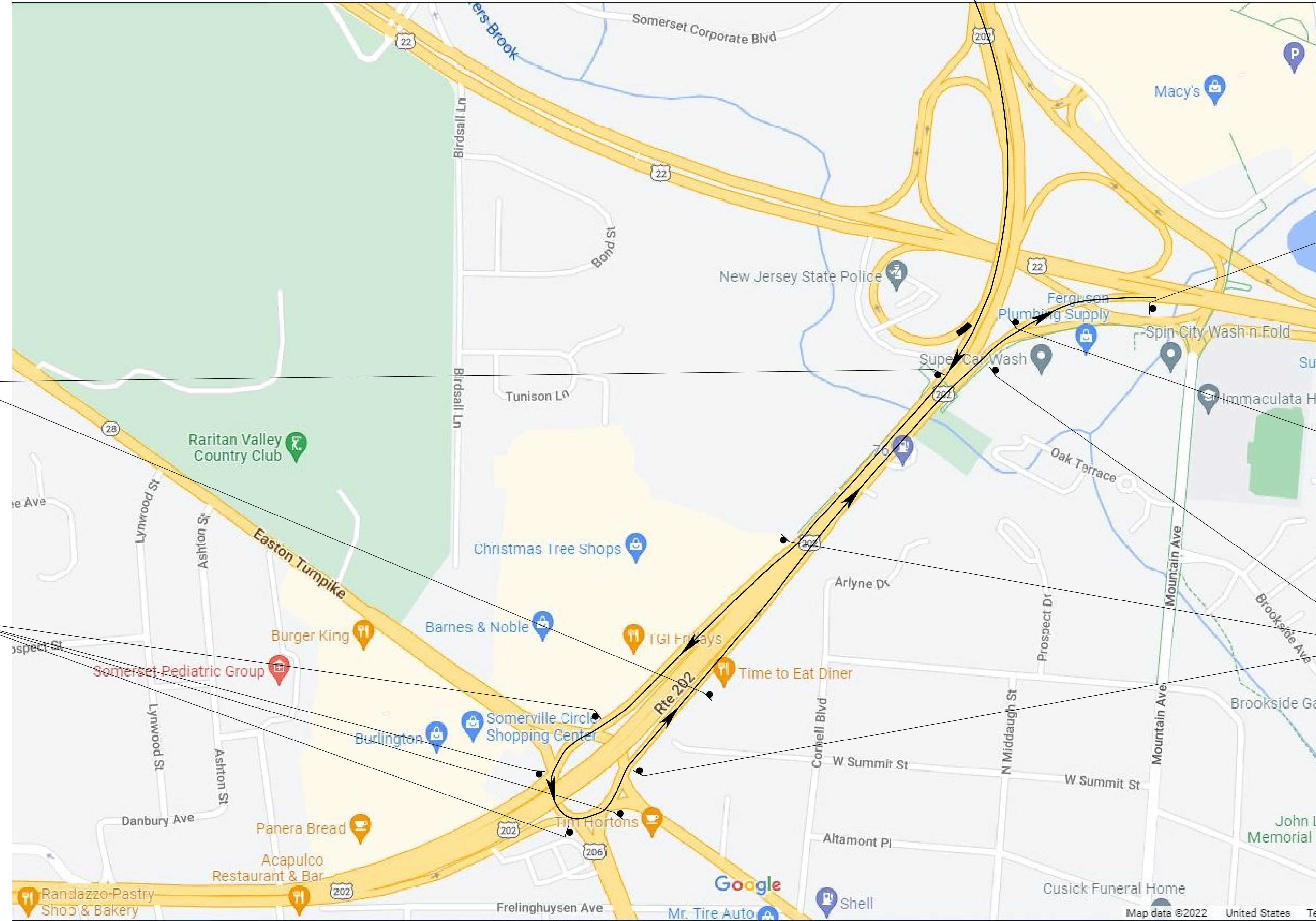
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450



FOR ADVANCED SIGNAGE REFER TO TYPICAL RAMP CLOSURE



M4-8  
24" x 12"

M3-2  
24" x 12"

M1-4  
24" x 24"

M6-3  
21" x 15"

DETOUR EAST

22

↑

M4-8  
24" x 12"

M3-2  
24" x 12"

M1-4  
24" x 24"

M6-2L  
21" x 15"

DETOUR EAST

22

↖

EAST

M3-2  
24" x 12"

M1-4  
24" x 24"

M4-8a  
24" x 18"

END DETOUR

DETOUR EAST

M4-8  
24" x 12"

M3-2  
24" x 12"

M1-4  
24" x 24"

M6-2L  
21" x 15"

↙

DETOUR EAST

M4-8  
24" x 12"

M3-2  
24" x 12"

M1-4  
24" x 24"

M6-2R  
21" x 15"

↘

**NOTES:**

- Closed Ramp
- Traffic Detour Route

**DETOUR PLAN  
RT. 202 SB TO RT 22 EB**

N. T. S.

TC-29  
TC-39

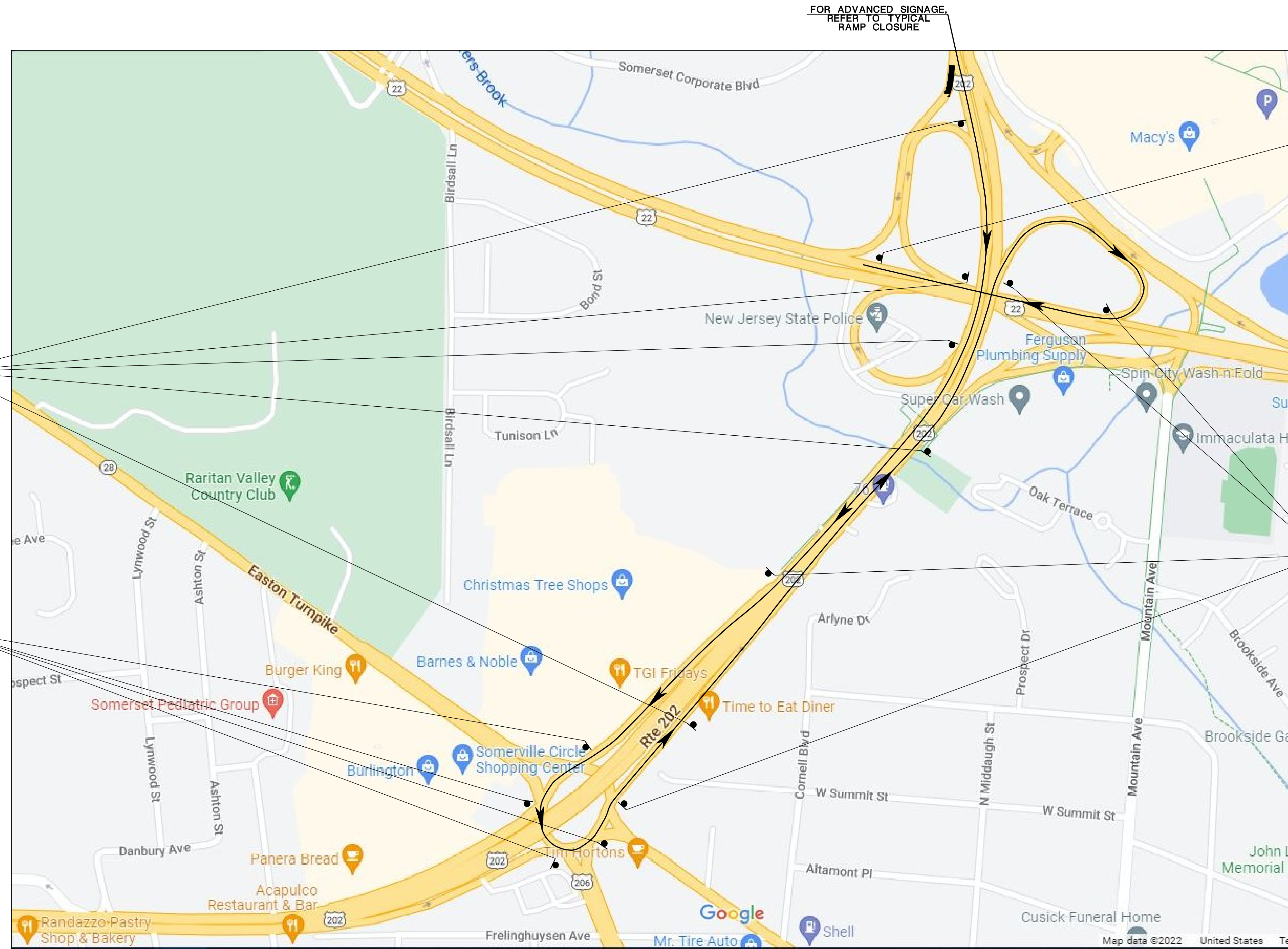
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND  
STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450

80





M4-8  
24" x 12"

M3-4  
24" x 12"

M1-4  
24" x 24"

M6-3  
21" x 15"

DETOUR

WEST

22

↑

M4-8  
24" x 12"

M3-4  
24" x 12"

M1-4  
24" x 24"

M6-2L  
21" x 15"

DETOUR

WEST

22

↙

WEST

22

M3-4  
24" x 12"

M1-4  
24" x 24"

END  
DETOUR

M4-8a  
24" x 18"

DETOUR

WEST

22

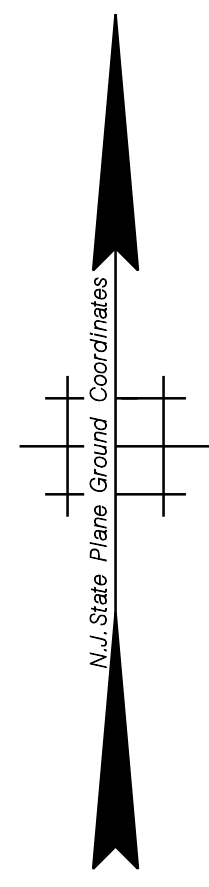
M4-8  
24" x 12"

M3-4  
24" x 12"

M1-4  
24" x 24"

M6-2R  
21" x 15"

↗



**NOTES:**

- Closed Ramp
- Traffic Detour Route

**DETOUR PLAN**  
**RT. 202 SB TO RT. 22 WB**

N. T. S.

TC-30  
 TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND  
 STAGING PLANS**  
 ROUTE 202

CONTRACT NO. 020223450



**TOWNSHIP OF BRIDGEWATER**

**COUNTY OF SOMERSET**

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-2R  
21" x 15"

DETOUR  
NORTH

202

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-3  
21" x 15"

DETOUR  
NORTH

202

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-2R  
21" x 15"

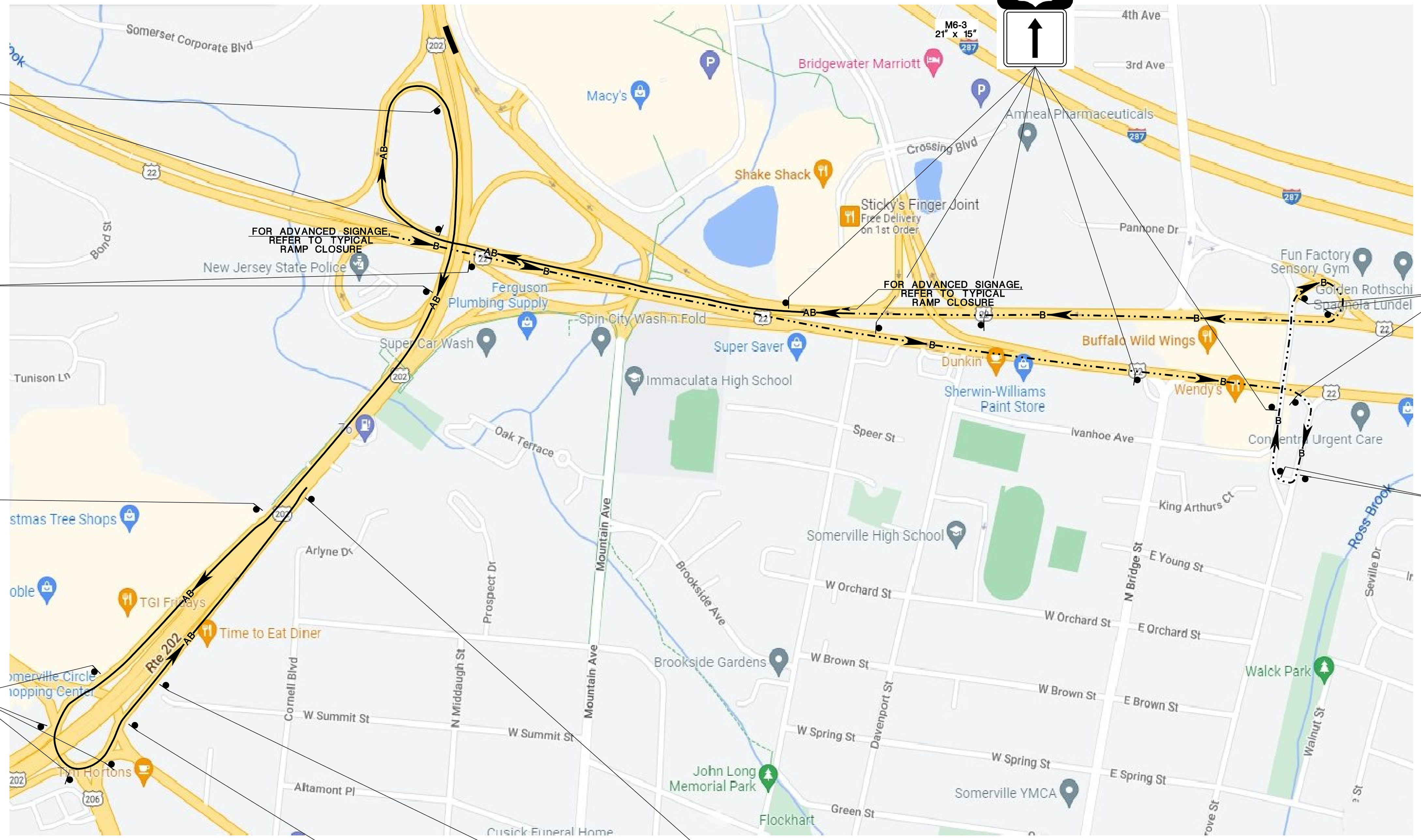
DETOUR  
NORTH

202

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-2L  
21" x 15"

DETOUR  
NORTH

202



M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-2R  
21" x 15"

DETOUR  
NORTH

202

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-1R  
21" x 15"

DETOUR  
NORTH

202

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-2R  
21" x 15"

DETOUR  
NORTH

202

M4-8  
24" x 12"  
M3-1  
24" x 12"  
M1-4  
30" x 24"  
M6-3  
21" x 15"

DETOUR  
NORTH

202

M3-1  
24" x 12"  
M1-4  
30" x 24"

NORTH

202

M4-8a  
24" x 18"

END  
DETOUR

**NOTES:**

- Closed Ramp
- Traffic Detour Route (A AND B)
- Traffic Detour Route (B)

**DETOUR PLAN**  
**A - RT. 22 WB TO RT. 202 NB**  
**B - RT. 22 EB TO RT. 202 NB**

N. T. S.

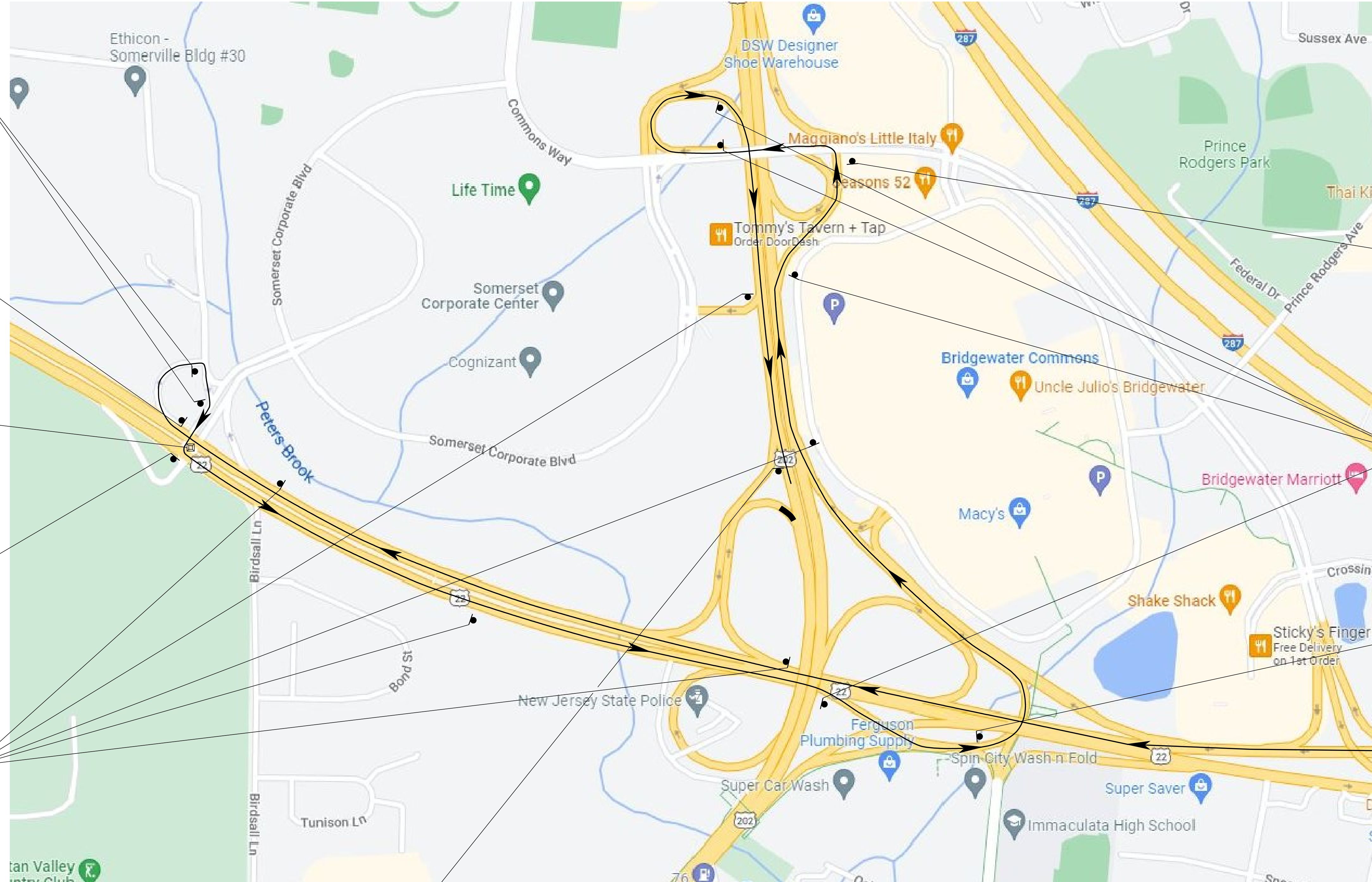
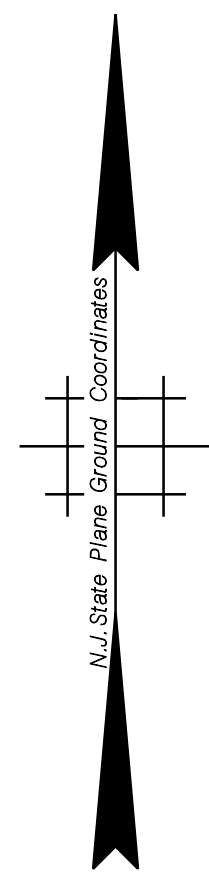
TC-31  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450





- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" →
- M6-1R 21" x 15" →
- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" →
- M6-2R 21" x 15" ↗
- R
- Y
- G
- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" ←
- M6-1L 21" x 15" ←
- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" ↗
- M6-3 21" x 15" ↑

- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" ←
- M6-1L 21" x 15" ←
- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" ↗
- M6-2R 21" x 15" ↗
- M4-8 24" x 12" DETOUR SOUTH
- M3-3 24" x 12" 202
- M1-4 30" x 24" ↗
- M6-2L 21" x 15" ↗

FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE

**NOTES:**

- Traffic Signal
- Closed Ramp
- Traffic Detour Route

- M3-3 24" x 12" SOUTH
- M1-4 30" x 24" 202
- M4-8a 24" x 18" END DETOUR

**DETOUR PLAN  
RT. 22 WB TO RT. 202 SB**

N. T. S.

TC-32  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

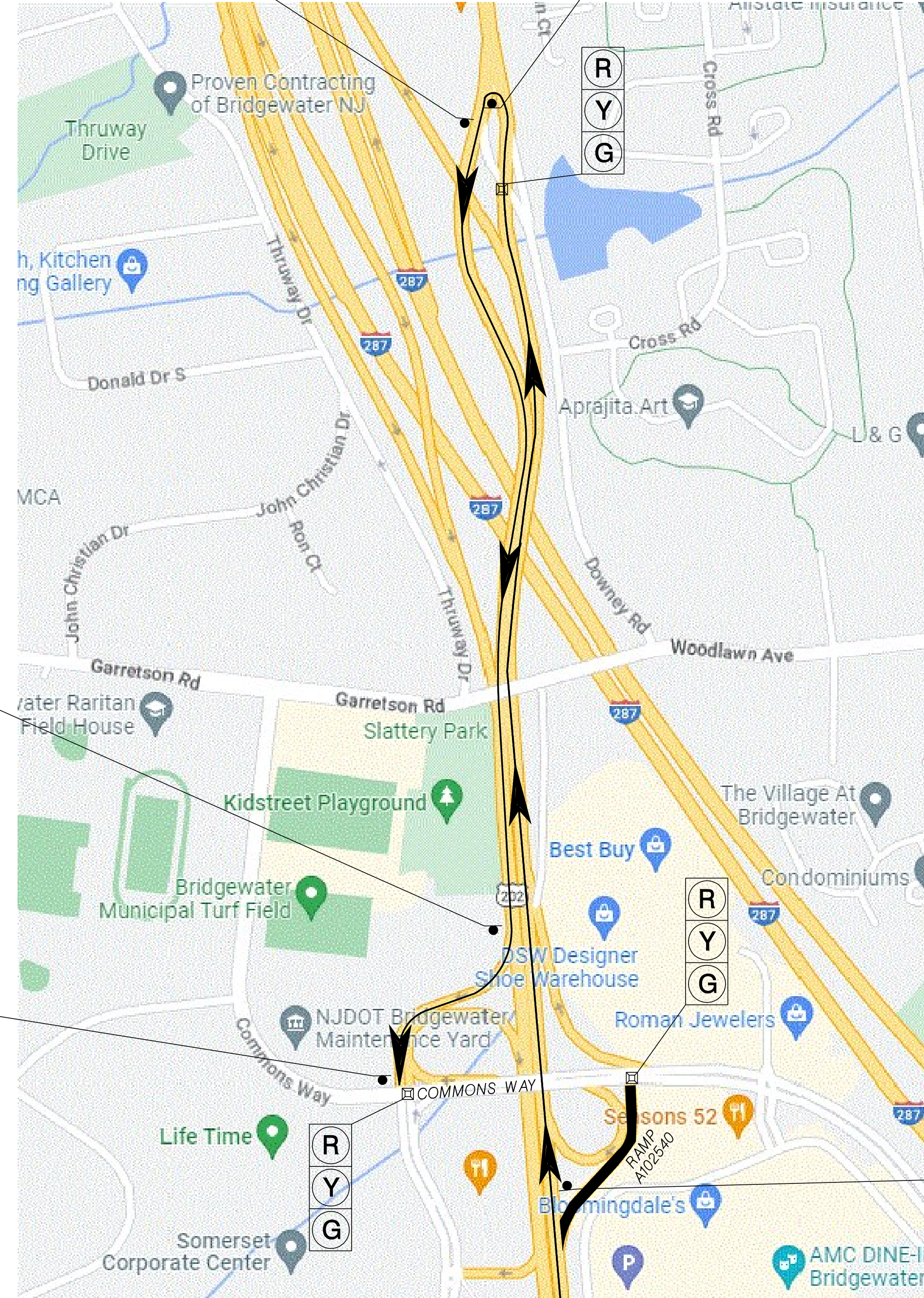
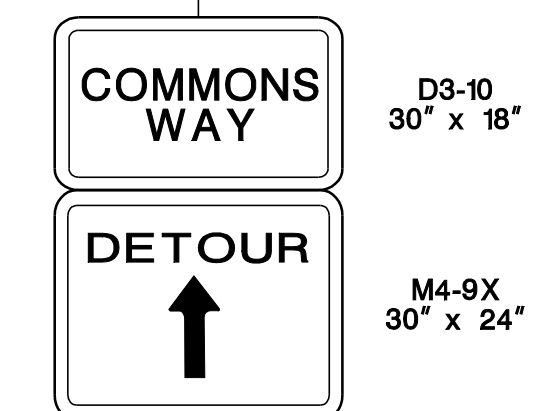
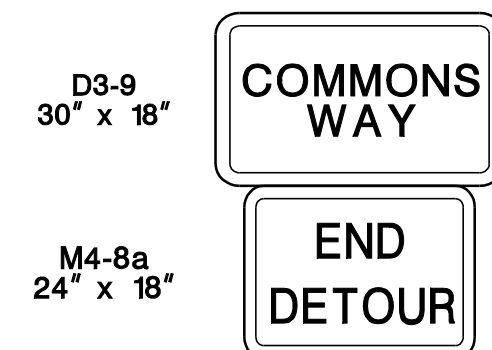
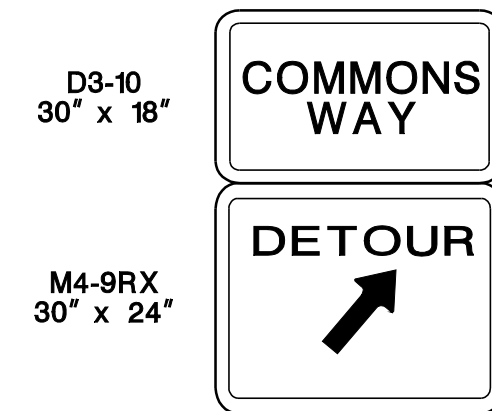
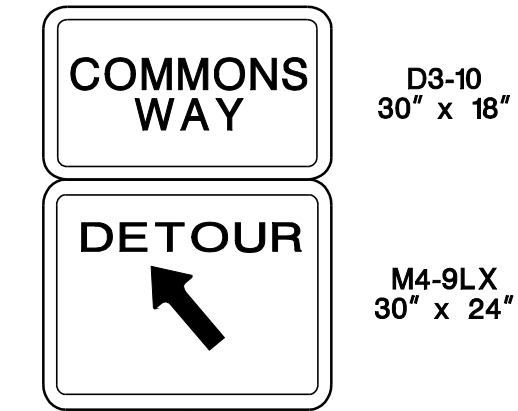
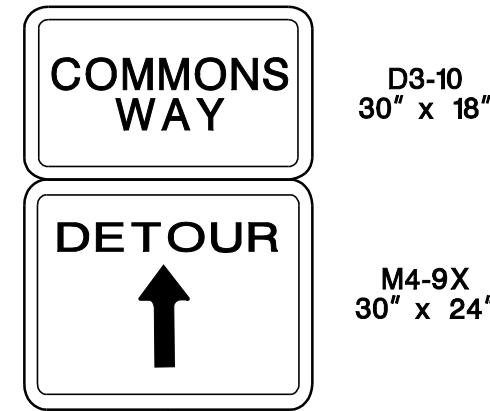
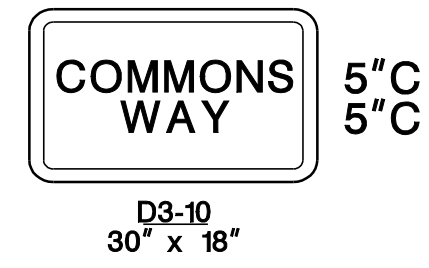
**TRAFFIC CONTROL AND STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450

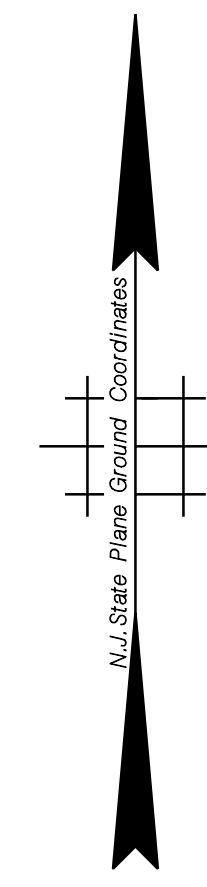


TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



FOR ADVANCED SIGNAGE REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN  
RAMP A102540  
ROUTE 202 NB TO  
COMMONS WAY**

N. T. S.

TC-38  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

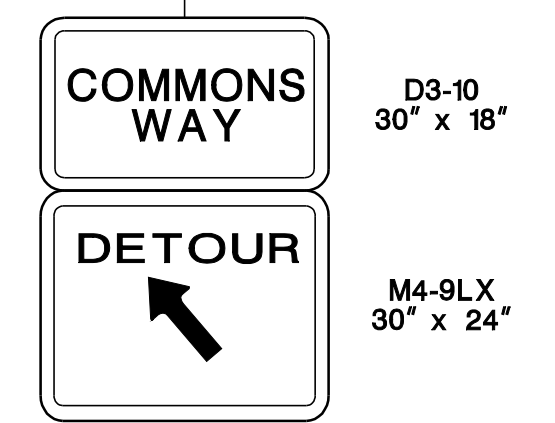
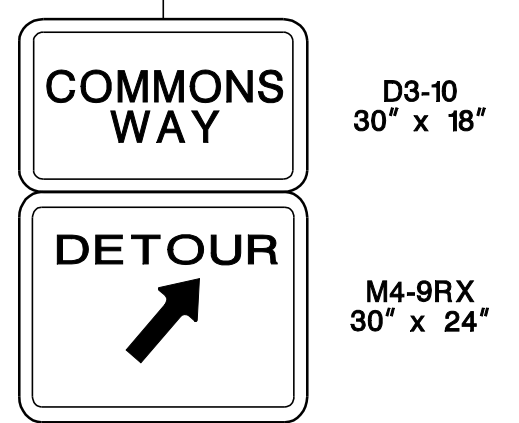
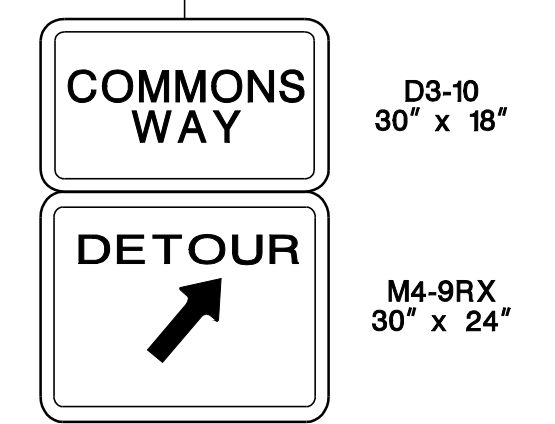
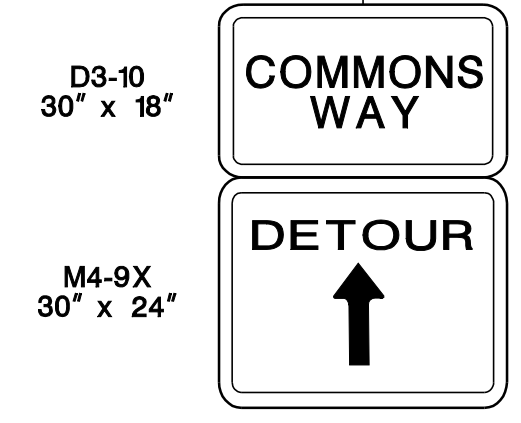
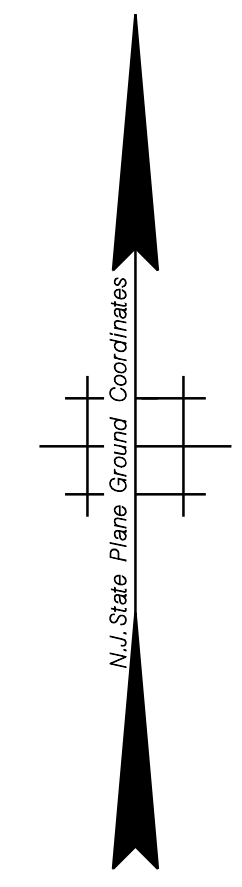
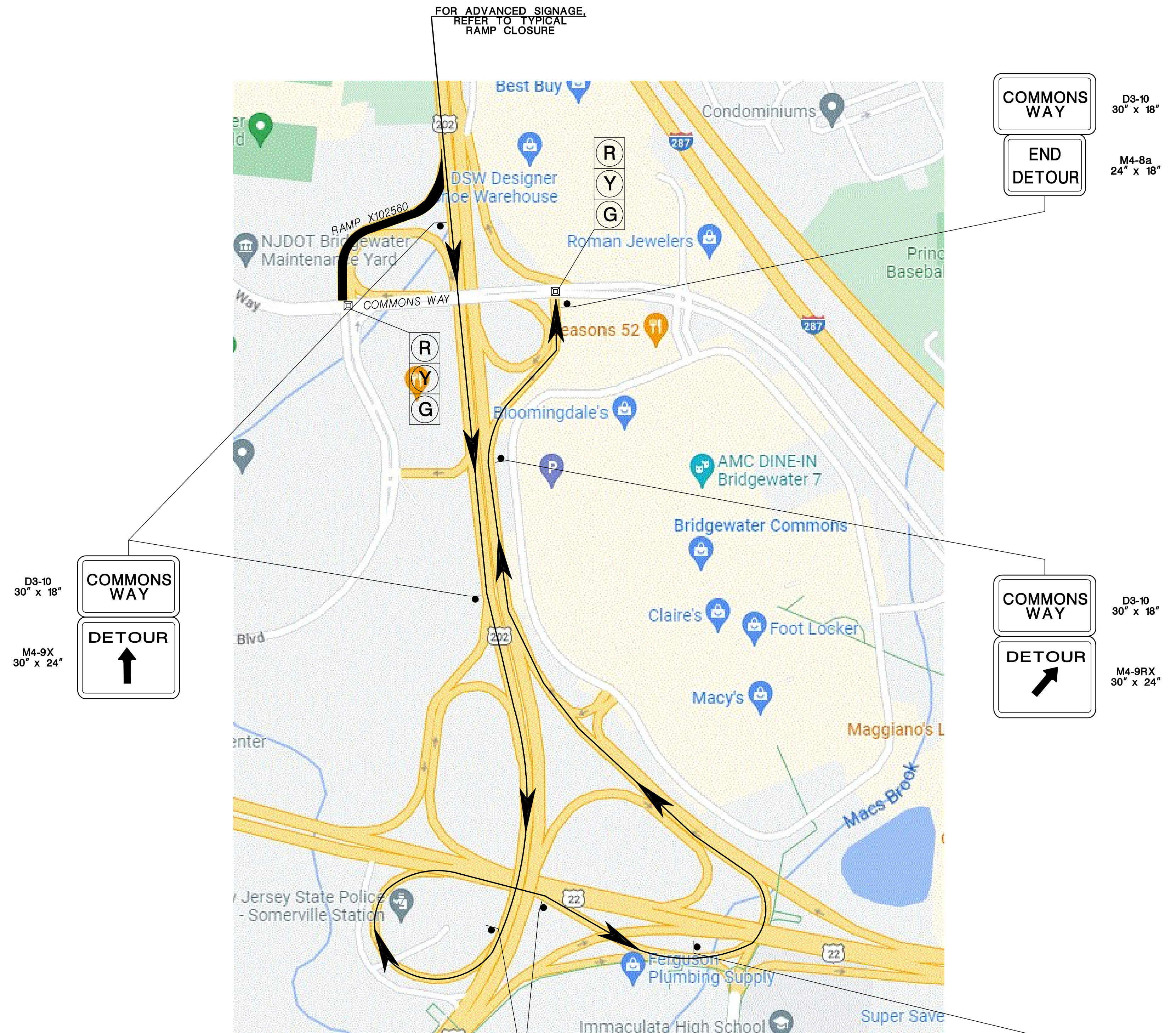
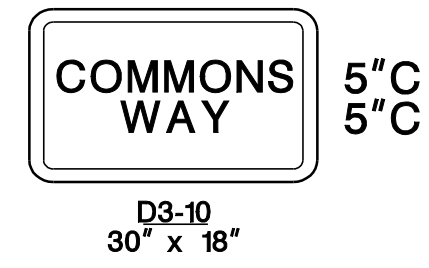
**TRAFFIC CONTROL AND  
STAGING PLANS  
ROUTE 202**

CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



**DETOUR PLAN**  
**RAMP X102560**  
**ROUTE 202 SB TO**  
**COMMONS WAY**

N. T. S.

TC-34  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

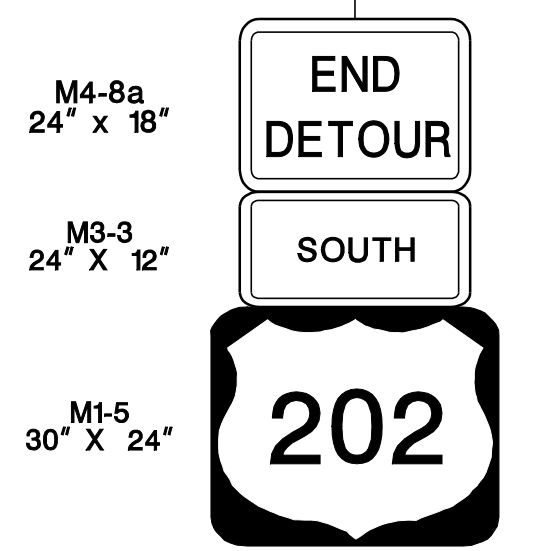
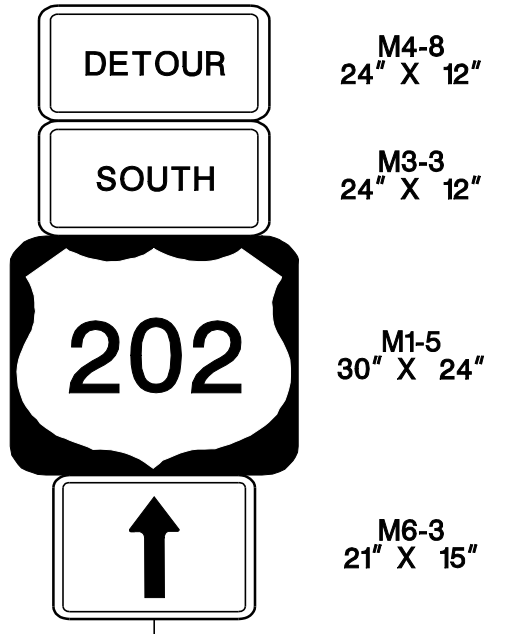
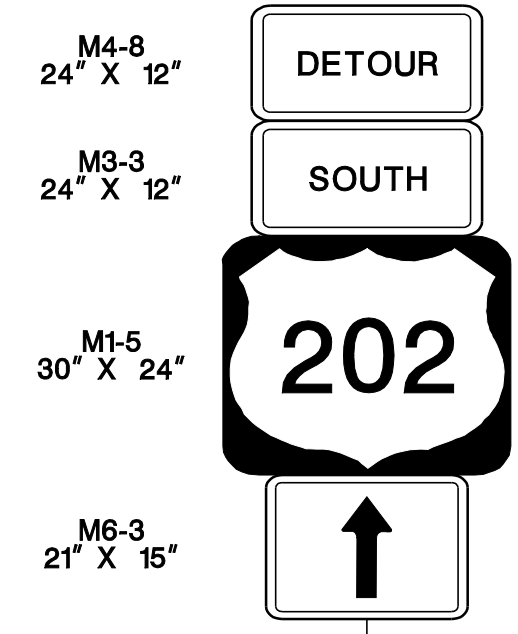
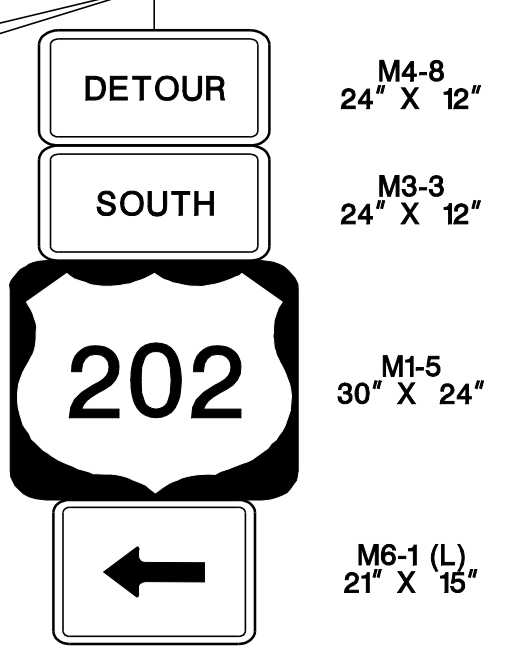
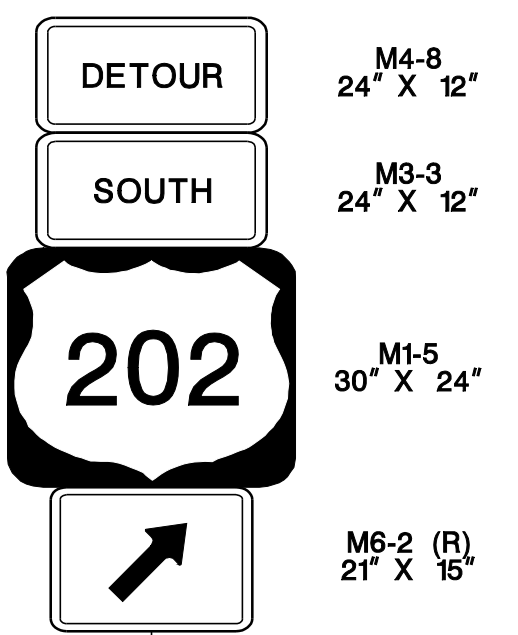
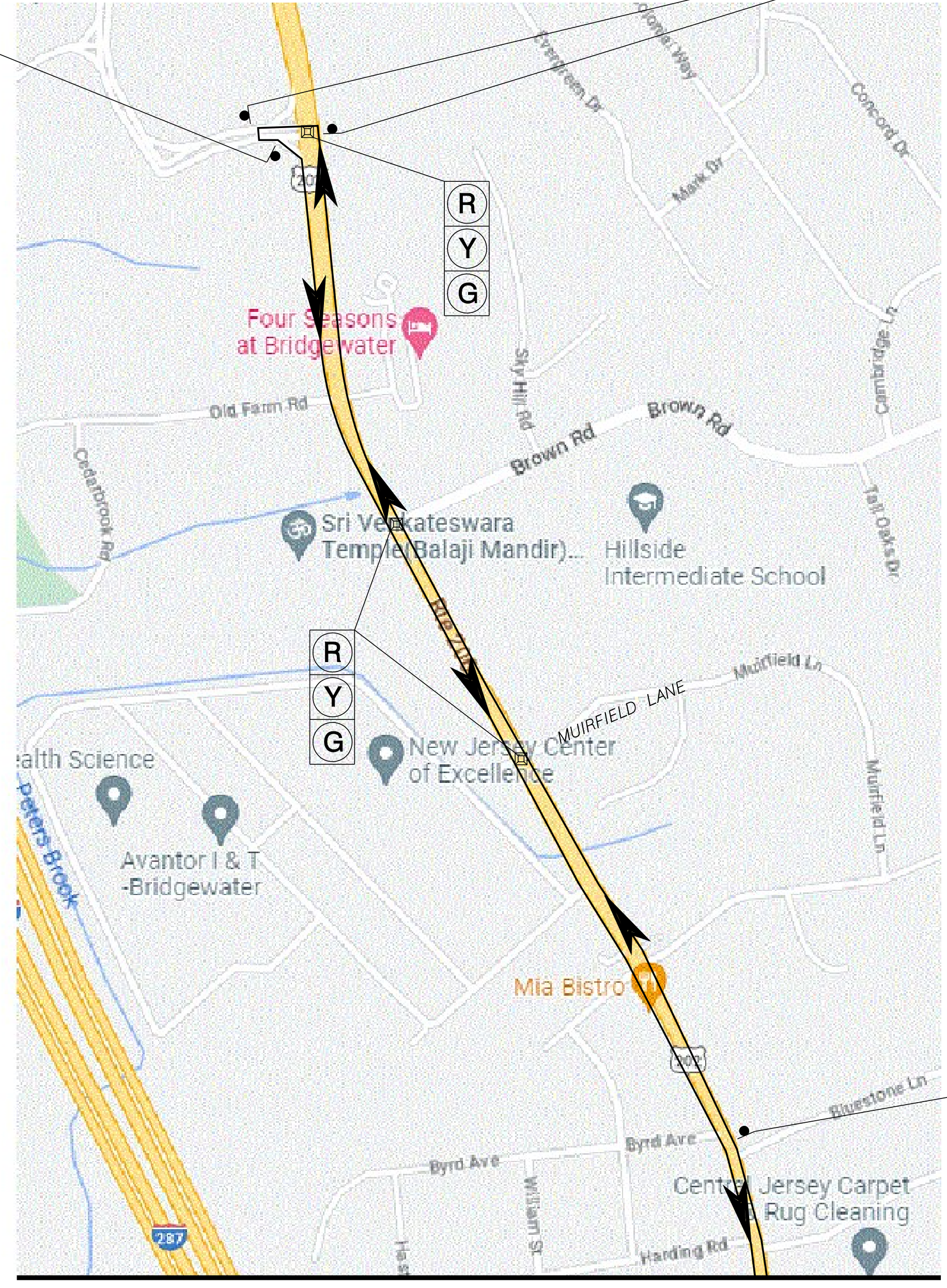
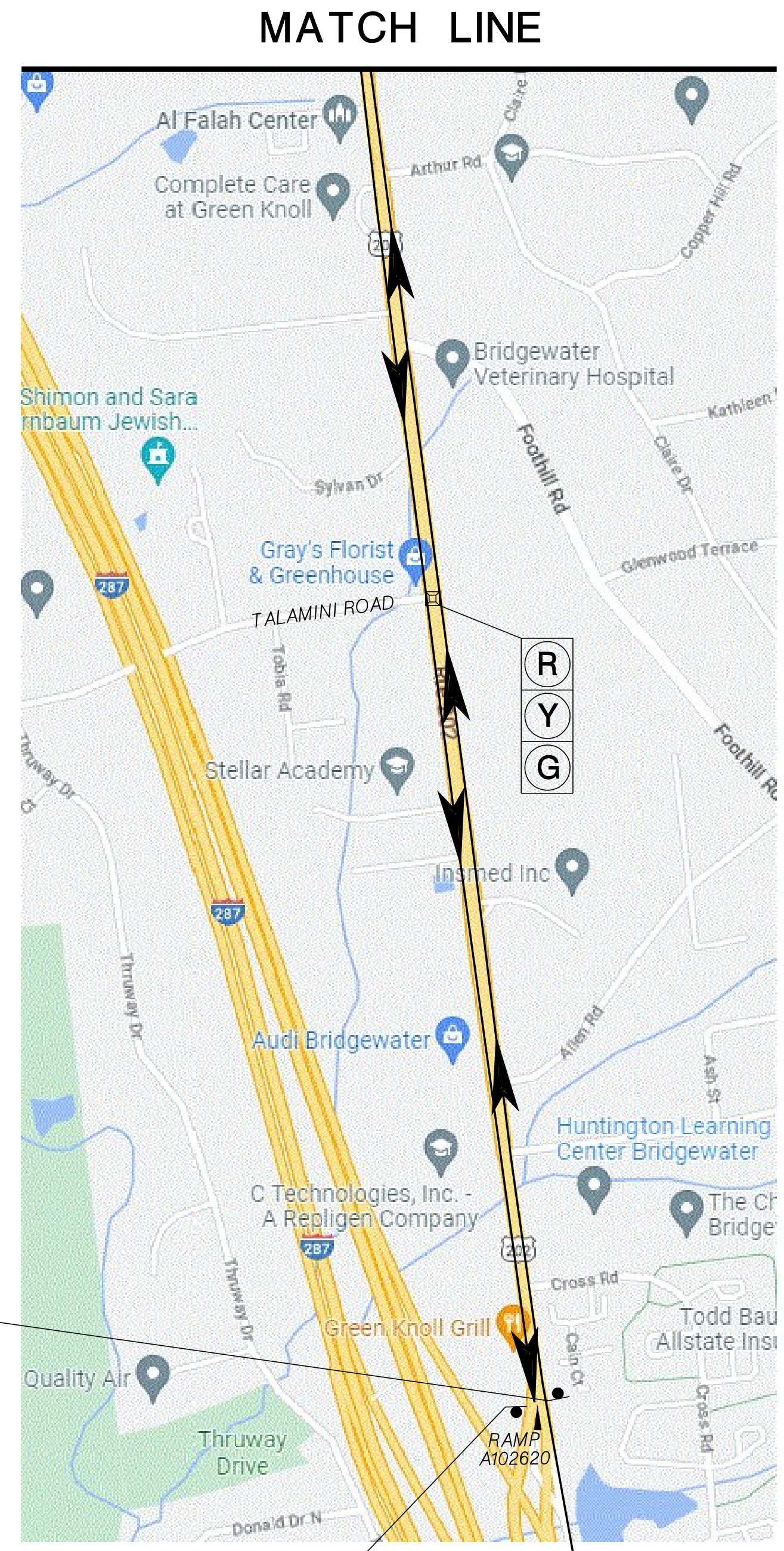
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450



TOWNSHIP OF BRIDGEWATER

COUNTY OF SOMERSET



**DETOUR PLAN**  
**RAMP A102620**  
**ROUTE 202 NB TO**  
**ROUTE 202 SB**

N. T. S.

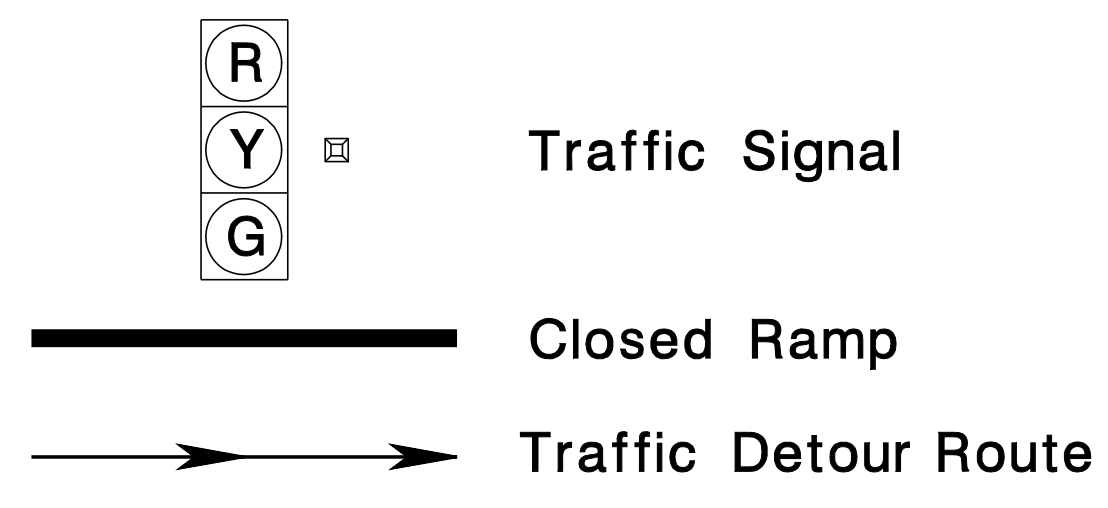
TC-35  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

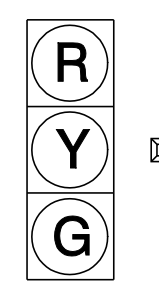
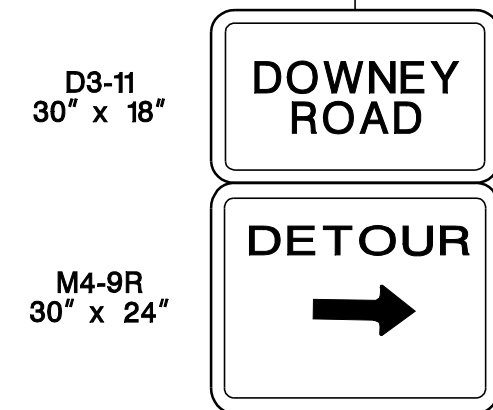
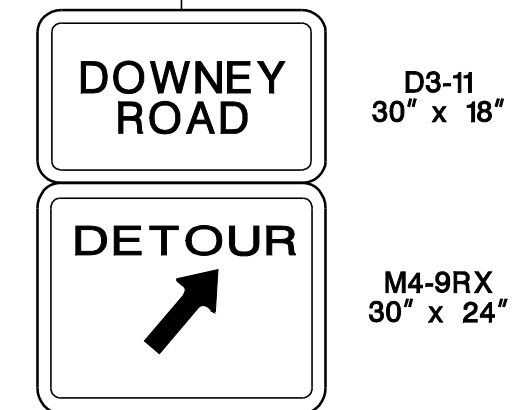
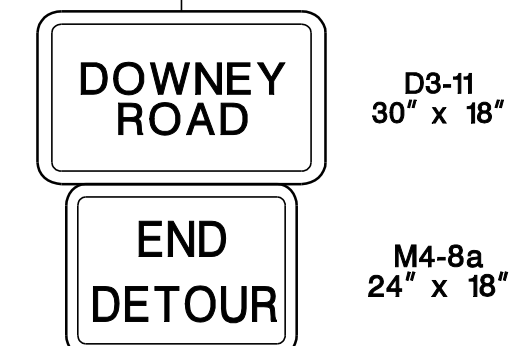
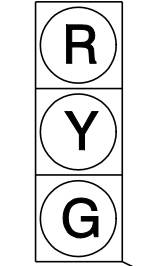
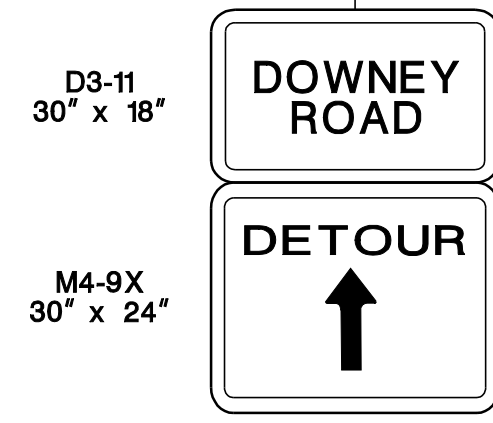
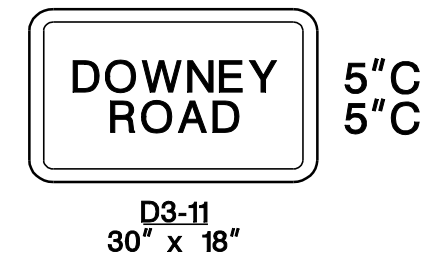
**TRAFFIC CONTROL AND STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450

FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



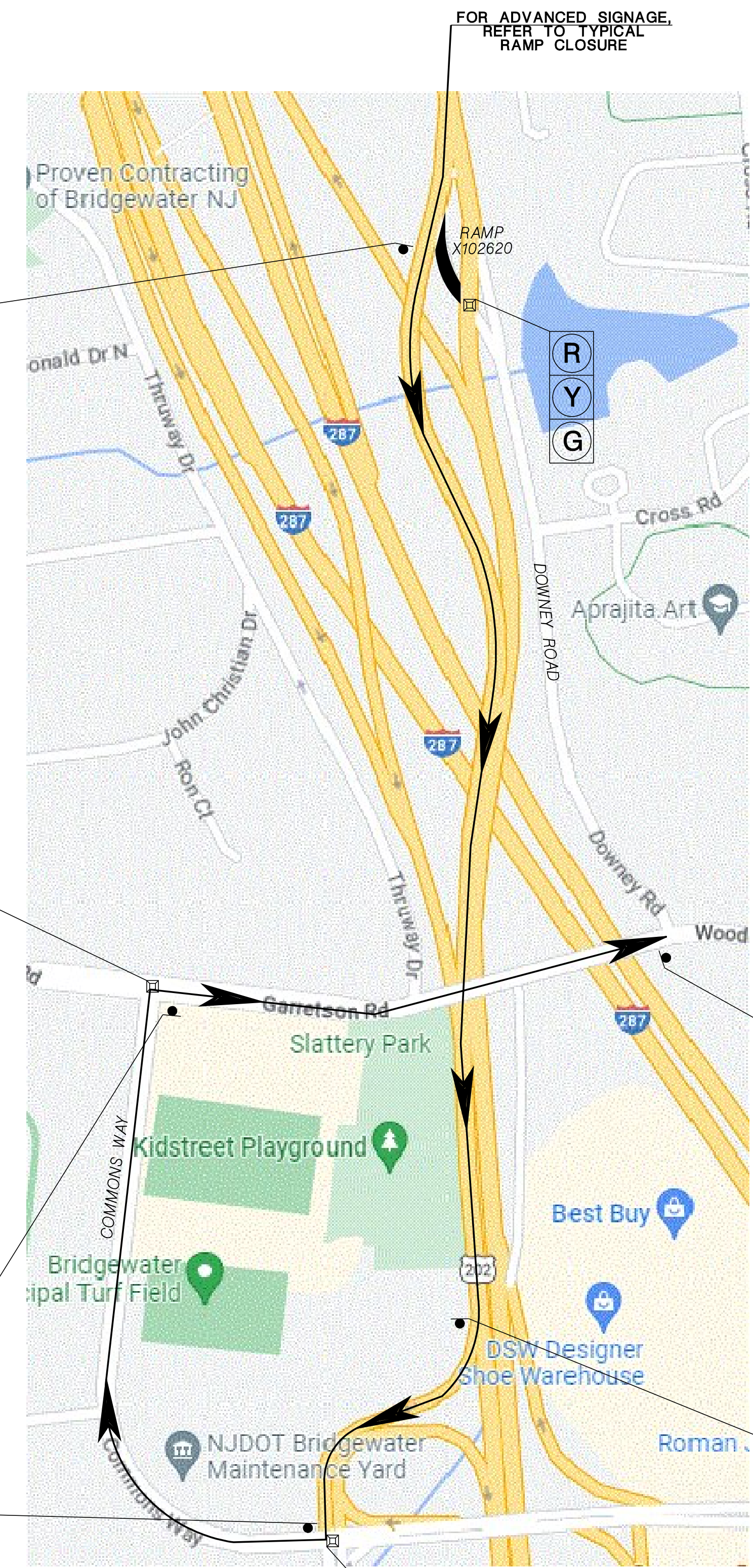




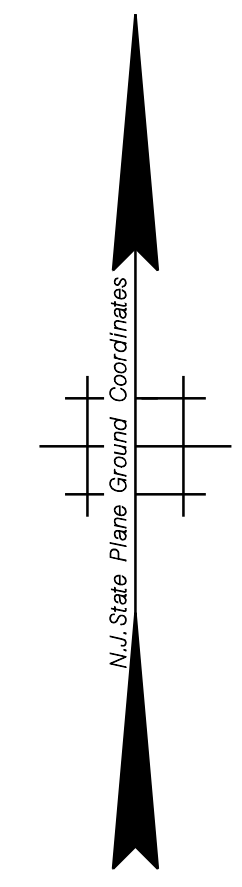
Traffic Signal

Closed Ramp

Traffic Detour Route



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



**DETOUR PLAN**  
**RAMP X102620**  
**ROUTE 202 SB TO**  
**DOWNEY ROAD**

N. T. S.

TC-36  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

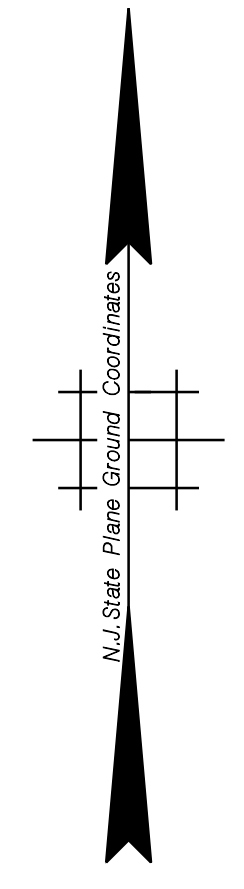
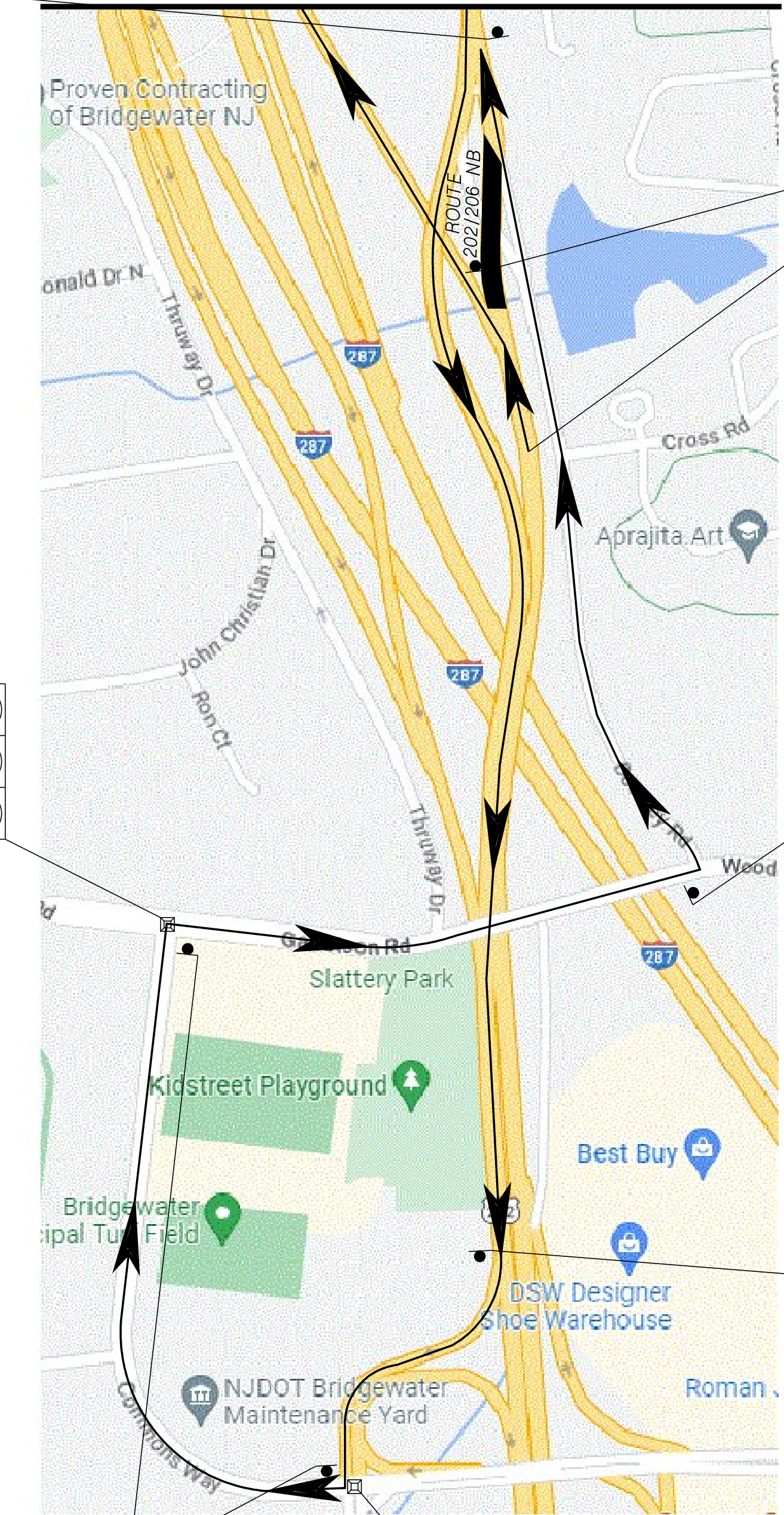
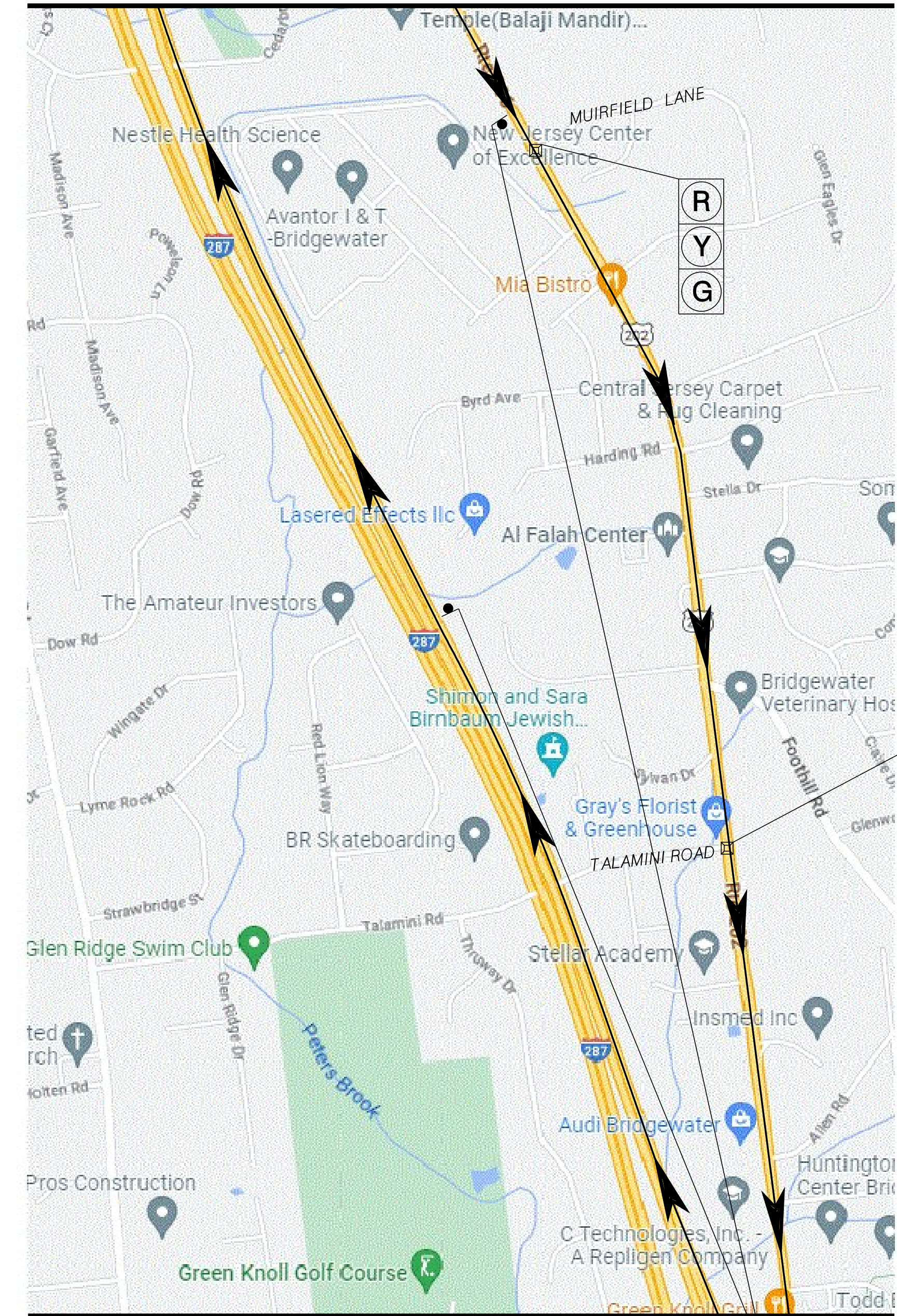
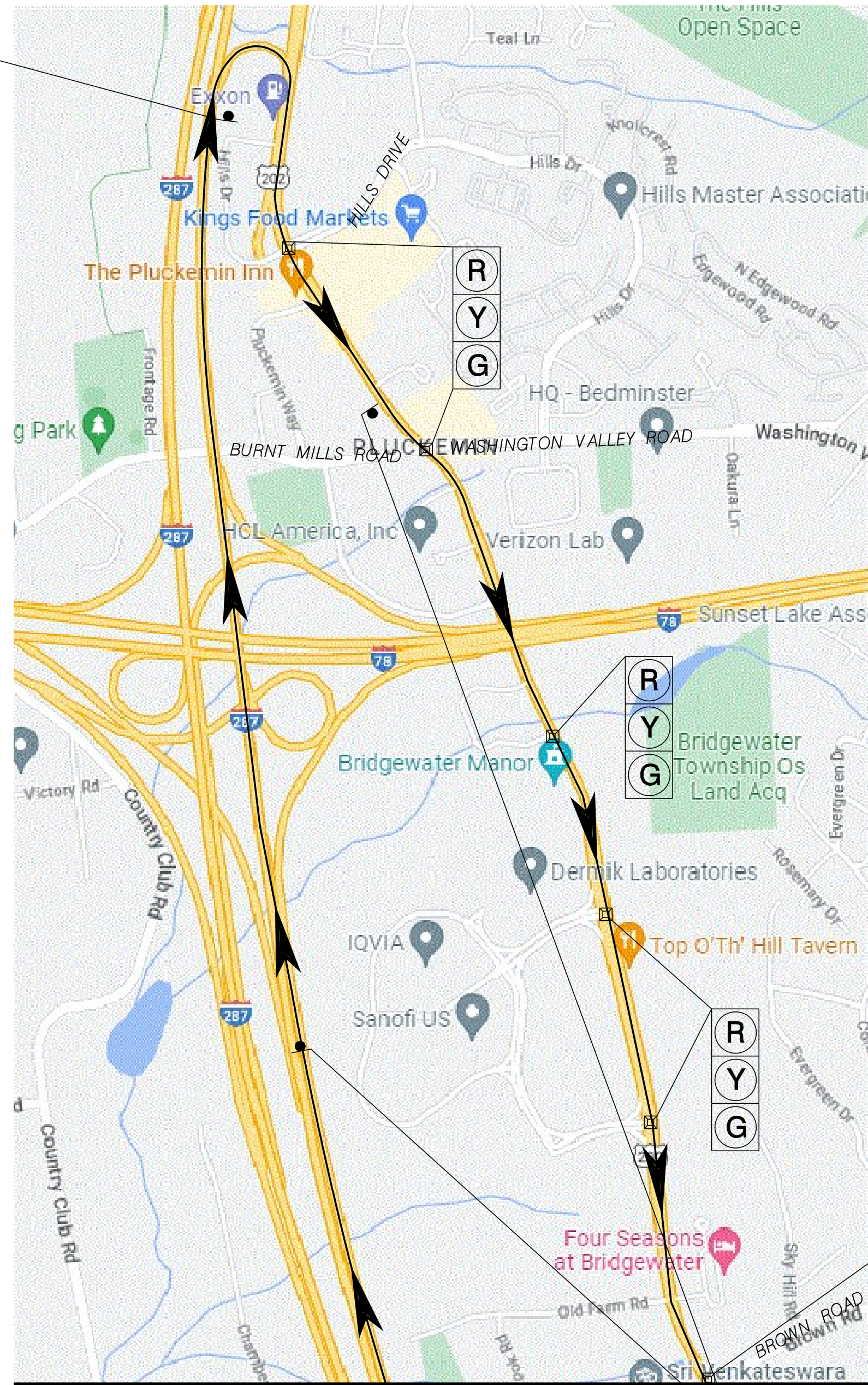
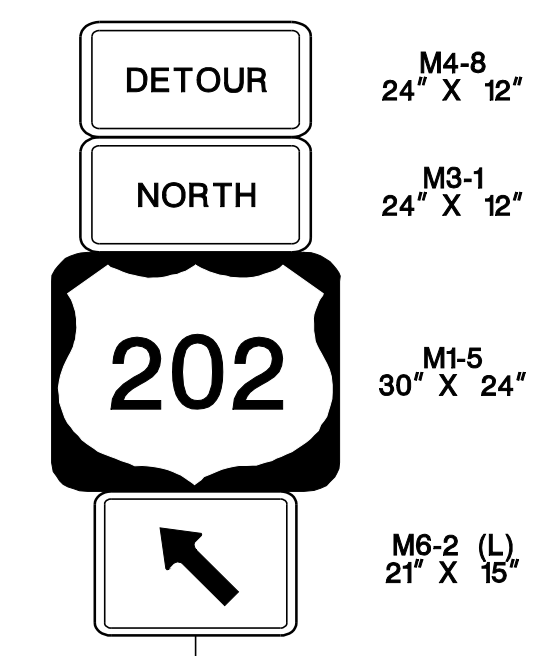
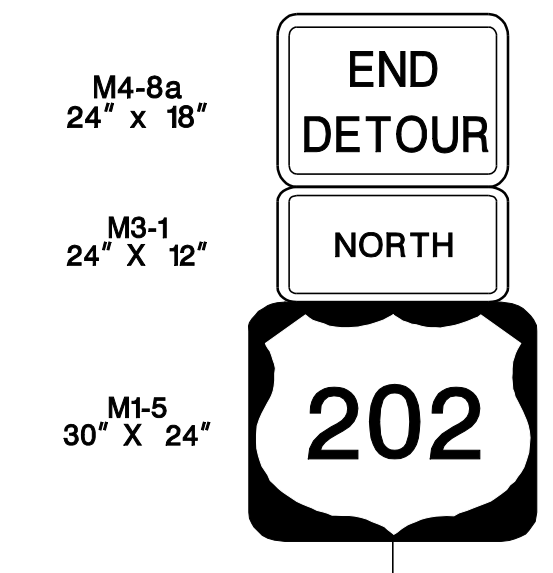
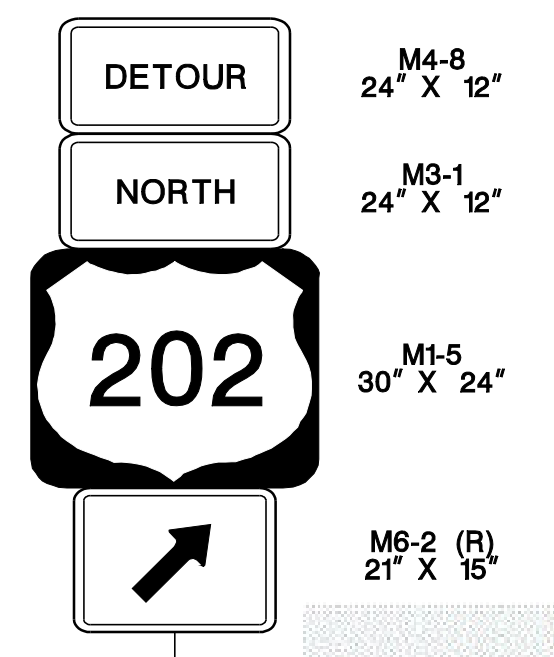
**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450

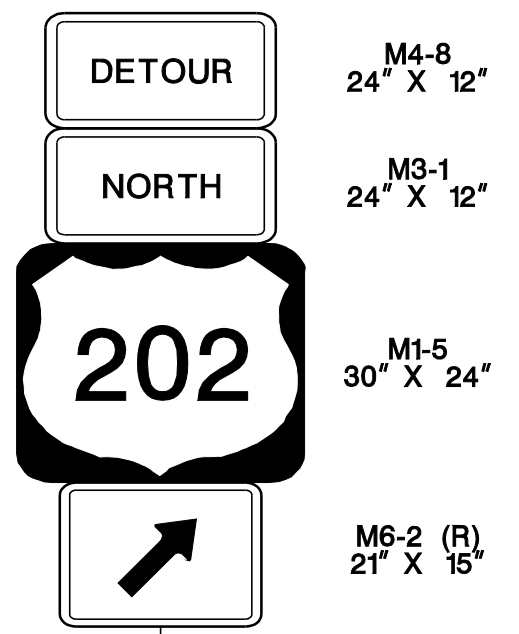
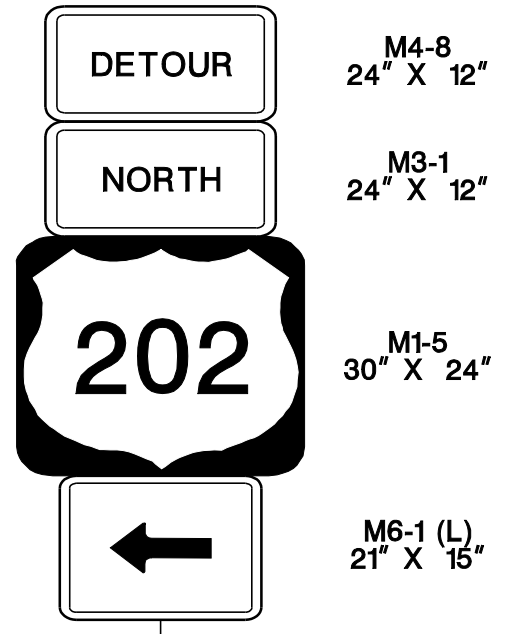


**TOWNSHIP OF BRIDGEWATER**

**COUNTY OF SOMERSET**



FOR ADVANCED SIGNAGE, REFER TO TYPICAL RAMP CLOSURE



MATCH LINE A-A

MATCH LINE B-B

**DETOUR PLAN**  
**ROUTE 202/206 NB**  
**TO ROUTE 202/206 NB**

N. T. S.

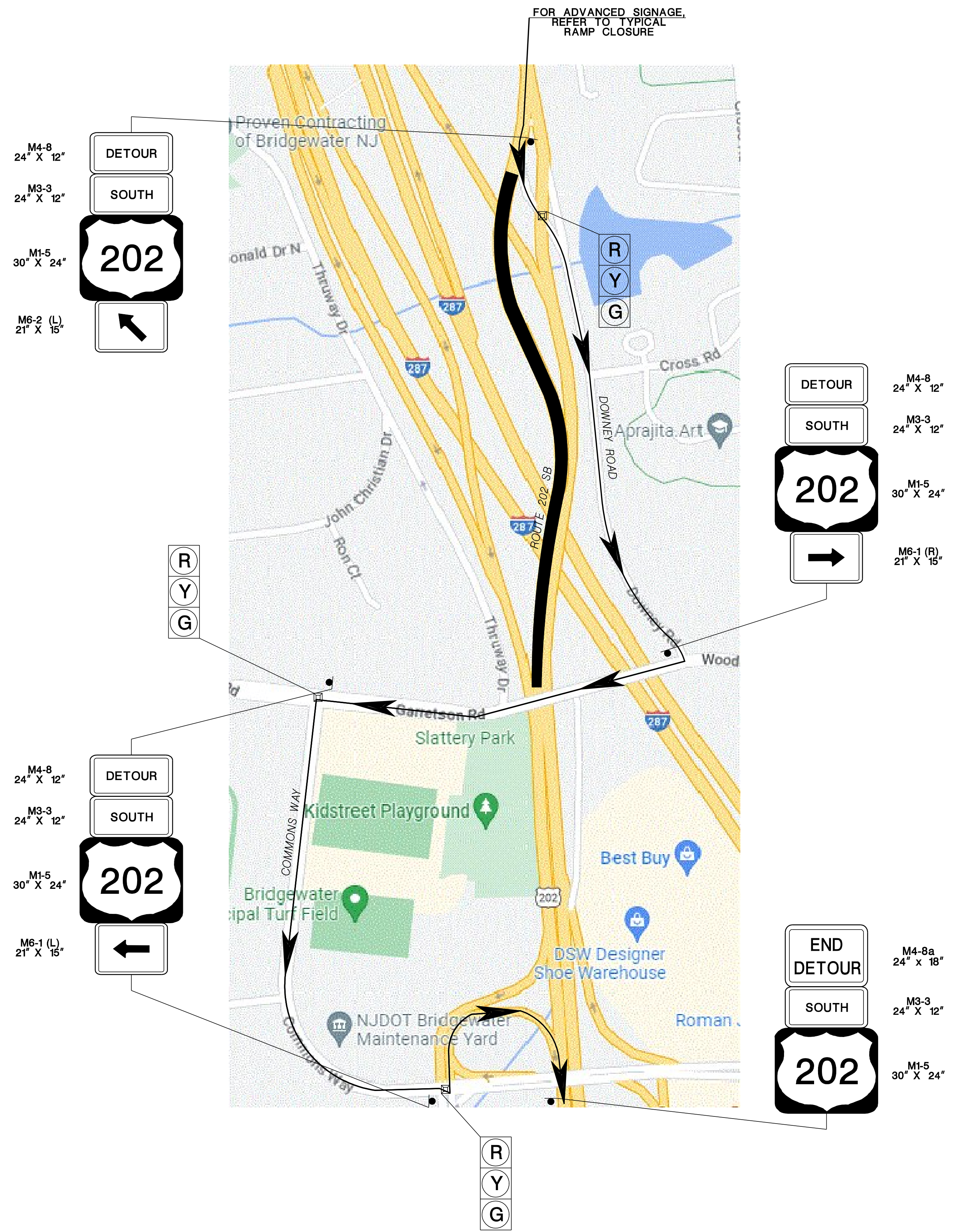
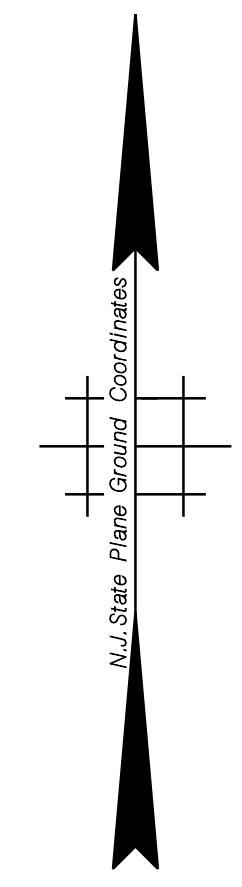
TC-37  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND STAGING PLANS**  
**ROUTE 202**

CONTRACT NO. 020223450



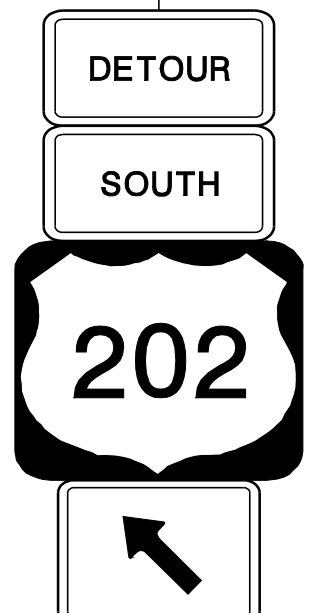


M4-8  
24" X 12"

M3-3  
24" X 12"

M1-5  
30" X 24"

M6-2 (L)  
21" X 15"



M4-8  
24" X 12"

M3-3  
24" X 12"

M1-5  
30" X 24"

M6-1 (R)  
21" X 15"

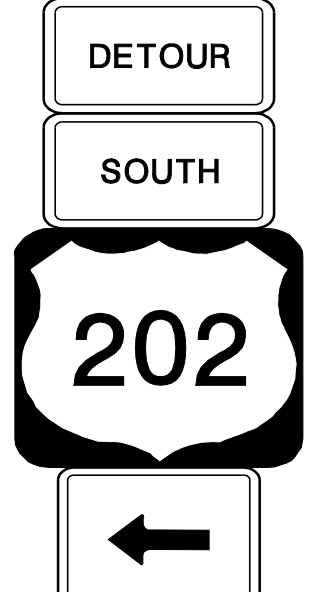


M4-8  
24" X 12"

M3-3  
24" X 12"

M1-5  
30" X 24"

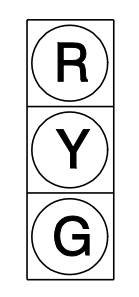
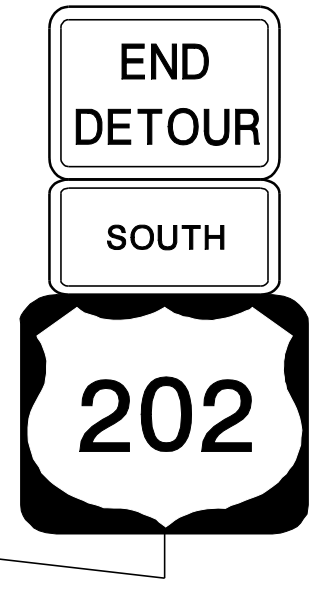
M6-1 (L)  
21" X 15"



M4-8a  
24" x 18"

M3-3  
24" X 12"

M1-5  
30" X 24"



Traffic Signal



Closed Ramp



Traffic Detour Route

**DETOUR PLAN**  
**ROUTE 202/206 SB**  
**TO ROUTE 202 SB**

N. T. S.

TC-38  
TC-39

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL AND**  
**STAGING PLANS**  
ROUTE 202

CONTRACT NO. 020223450



**PVMS #1: ROUTE 202 NORTH: 925' SOUTH OF THE CENTERLINE AT WEST COUNTY DRIVE (CR 646)**

**PVMS #2: ROUTE 202/206 SOUTH: 430' NORTH OF THE PHYSICAL GORE AT DOWNEY ROAD**

TO BE DISPLAYED TWO (2) WEEKS PRIOR TO START OF WORK

FIRST MESSAGE

ROADWORK  
STARTING  
XX/XX/XX

(USE CALENDAR DATE)

TO BE DISPLAYED SIX (6) DAYS PRIOR TO START OF WORK

FIRST MESSAGE

ROADWORK  
STARTING  
XXXX

(USE DAY OF WEEK)

TO BE DISPLAYED DURING WORK

FIRST MESSAGE

ROADWORK  
NEXT  
6 MILES

SECOND MESSAGE

USE  
CAUTION

**PVMS #3: I-287 SOUTHBOUND LOCAL LANES: 1255' BEFORE THE TALAMINI ROAD OVERPASS**

**PVMS #4: I-287 SOUTHBOUND EXPRESS LANES: 1255' BEFORE THE TALAMINI ROAD OVERPASS**

TO BE DISPLAYED TWO (2) WEEKS PRIOR TO THE START OF WORK

FIRST MESSAGE

ROADWORK  
US 202  
SOUTH

SECOND MESSAGE

STARTING  
XX/XX/XX

(USE CALENDAR DATE)

TO BE DISPLAYED SIX (6) DAYS PRIOR TO THE START OF WORK

FIRST MESSAGE

ROADWORK  
US 202  
SOUTH

SECOND MESSAGE

STARTING  
XXXX

(USE DAY OF WEEK)

TO BE DISPLAYED DURING WORK

FIRST MESSAGE

ROADWORK  
US 202  
SOUTH

SECOND MESSAGE

USE  
CAUTION

**PVMS FOR RAMP CLOSURES**

TO BE DISPLAYED SIX (6) DAYS PRIOR TO RAMP CLOSURES

FIRST MESSAGE

XXXXXXXX  
RAMP TO  
CLOSE

(USE NAME OF ROAD  
OR EXIT NUMBER)

SECOND MESSAGE

XXX XXXX  
TO  
XXX XXXX

(USE DAY OF WEEK  
& TIME OF DAY)

TO BE DISPLAYED DURING RAMP CLOSURES

FIRST MESSAGE

XXXXXXXX  
RAMP  
CLOSED

(USE NAME OF ROAD  
OR EXIT NUMBER)

SECOND MESSAGE

FOLLOW  
POSTED  
DETOUR

**PVMS #5: ROUTE 202/206 NORTH: 125' NORTH EAST OF THE PHYSICAL GORE AT THE COMMONS WAY EXIT**

TO BE DISPLAYED SIX (6) DAYS PRIOR TO ROAD CLOSURES

FIRST MESSAGE

202-206N  
TO CLOSE

SECOND MESSAGE

XXXXX  
10PM TO  
6AM

(USE DAY OF WEEK)

TO BE DISPLAYED DURING LANE CLOSURE

FIRST MESSAGE

202-206N  
CLOSED

SECOND MESSAGE

FOLLOW  
DETOUR

**PVMS #6: ROUTE 202/206 SOUTH: 510' NORTH OF THE PHYSICAL GORE AT DOWNEY ROAD**

TO BE DISPLAYED SIX (6) DAYS PRIOR TO ROAD CLOSURES

FIRST MESSAGE

202-206S  
TO CLOSE

SECOND MESSAGE

XXXXX  
10PM TO  
6AM

(USE DAY OF WEEK)

TO BE DISPLAYED DURING LANE CLOSURES

FIRST MESSAGE

202-206S  
CLOSED

SECOND MESSAGE

FOLLOW  
DETOUR

**NOTE:**

1. PROJECT VMS UNITS SHOULD BE DEPLOYED TWO WEEKS IN ADVANCE OF PROJECT START UP AND / OR ROADWAY CLOSURE OR STAGE CHANGES.
2. VMS UNITS SHOULD BE DEPLOYED +/- 1/2 MILE BEFORE START OF PROJECT,
3. VMS UNITS SHOULD BE PLACED IN CLEAR ZONE AND NOT IN SHOULDERS.
4. VMS UNITS SHOULD NOT BE PLACED ON SIDEWALKS WHERE AS THEY COMPLETELY BLOCK OFF PEDESTRIAN ACCESS.
5. FOR RAMP / ROADWAY CLOSURES VMS SHOULD BE PLACED BEFORE BEGINNING OF RAMP DECELERATION LANE OR ROADWAY TO BE CLOSED.

**VMS MESSAGES**

NEW JERSEY DEPARTMENT OF TRANSPORTATION

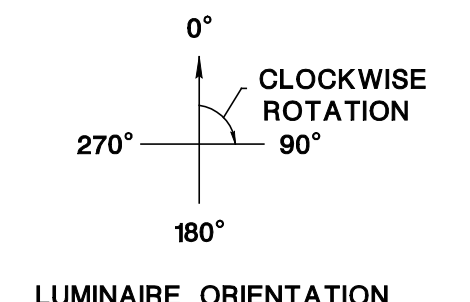
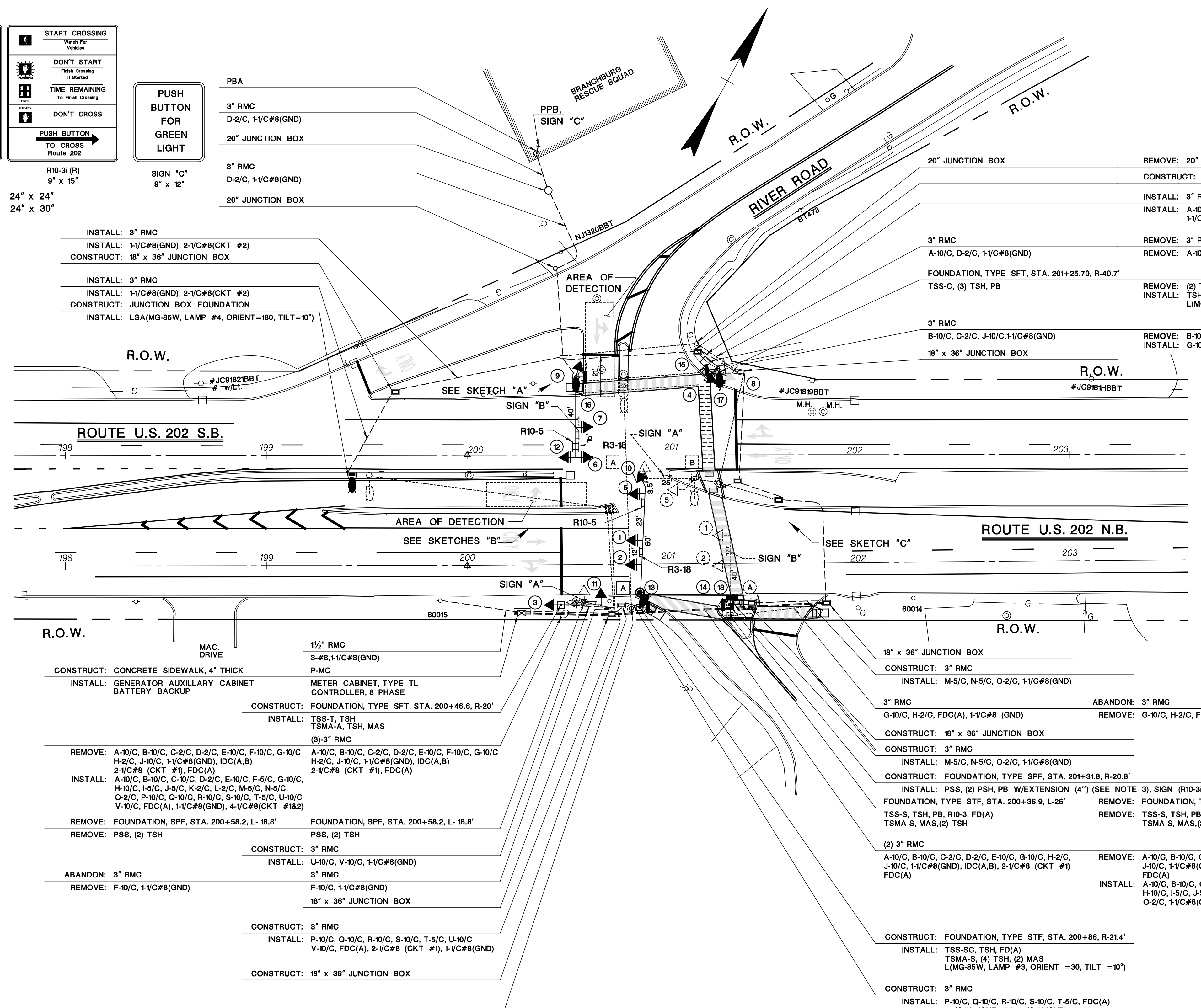
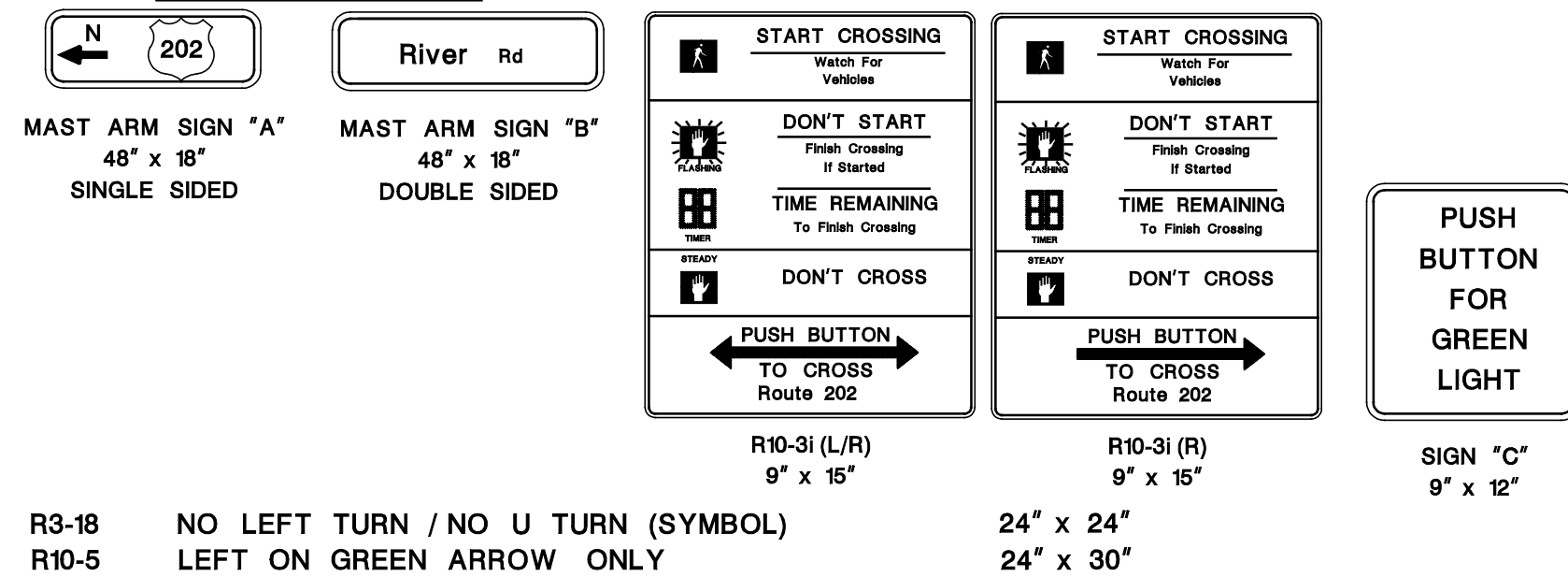
**TRAFFIC CONTROL AND STAGING PLANS**

ROUTE 202

CONTRACT NO. 020223450



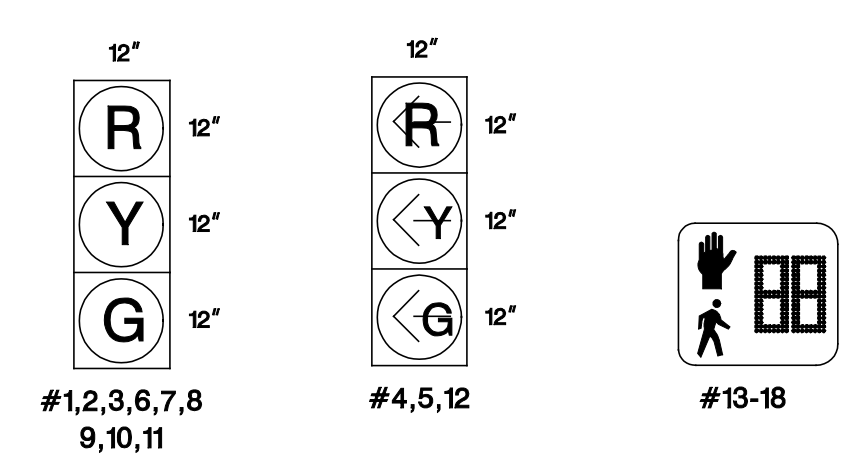
### SIGN LEGEND



### LUMINAIRE LEGEND

- LUMINAIRE, MONGOOSE LED (MG), 85W LED, COPPER LIGHTING, TYPE III

### SIGNAL LEGEND



- NOTES:
- SIGNAL HEAD NO. 4 IS MOUNTED AT A HEIGHT OF 12'.
  - SIGNAL HEADS NO. 1,2,5,6,7, & 12 ARE EQUIPPED WITH NON-REFLECTIVE BACKPLATES.

- NOTES:
- GROUND WIRE (GND), 1/C#8 AWG, INSULATED (COLOR GREEN) SHALL BE INSTALLED CONTINUOUSLY THROUGHOUT THE TRAFFIC SIGNAL SYSTEM AND SECURED TO ALL GROUND RODS, CABINETS, TRAFFIC SIGNAL BASES AND LIGHTING BASES AS NOTED.
  - ALL PUSH BUTTONS SHALL BE ADA COMPLIANT.
  - MOUNT THE PEDESTRIAN PUSH BUTTON ON AN EXTENSION BRACKET WHERE NOTED. ALL COSTS ASSOCIATED WITH PERFORMING THIS WORK ARE INCLUDED IN THE BID PRICE FOR "PUSH BUTTON".



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**ELECTRICAL PLANS**

ROUTE U.S. 202 SECTION

MUNICIPALITY BRANCHBURG TOWNSHIP COUNTY SOMERSET

U.S. RT 202 & RIVER ROAD

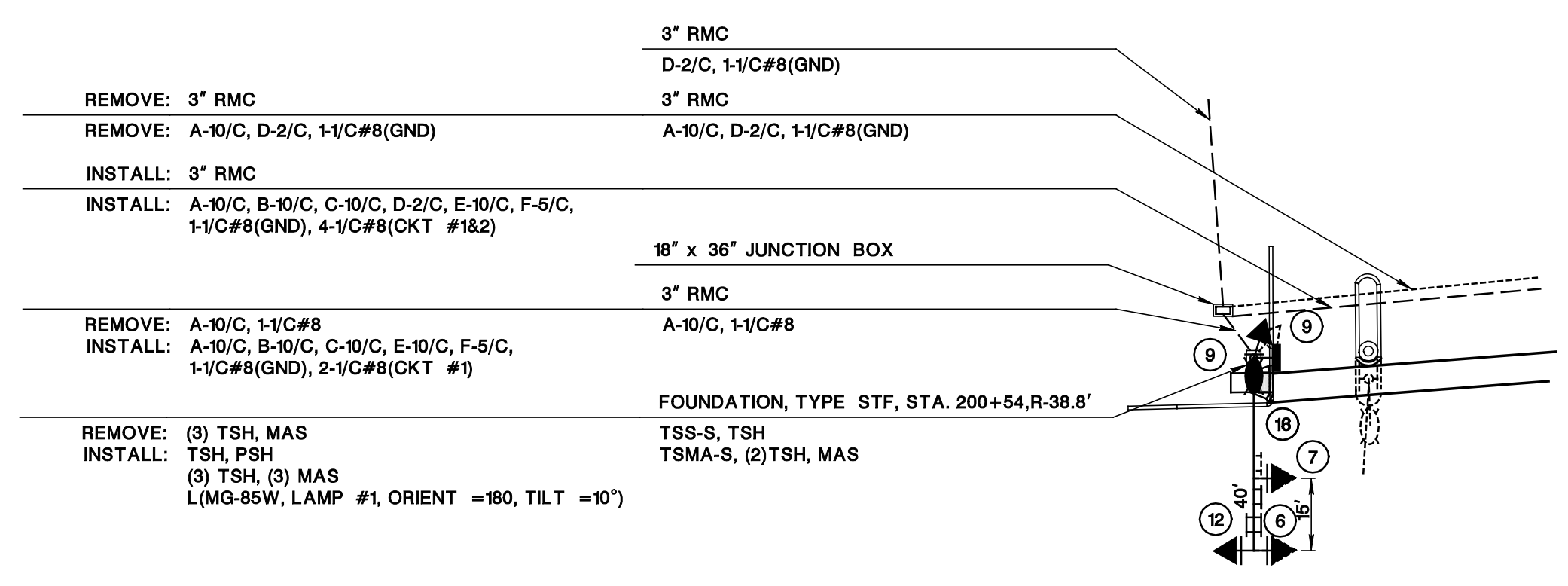
RT 202 W. COUNTY DR(CR648) to I-287 PAVEMENT PRESERVATION - PROJECT ID 223450	D.I	D.I	ASR	1/19/2023
MRC 258 COMPLETED NOV 2005	PT	CJ	NB	11/26/13
W.O. #145 COMPLETED 6-30-88		HLDZ	WH	7/70/95
REVISION DESCRIPTION	CADD	BY	C'K'D	DATE

CONTROL SECTION NO. 1807110

91

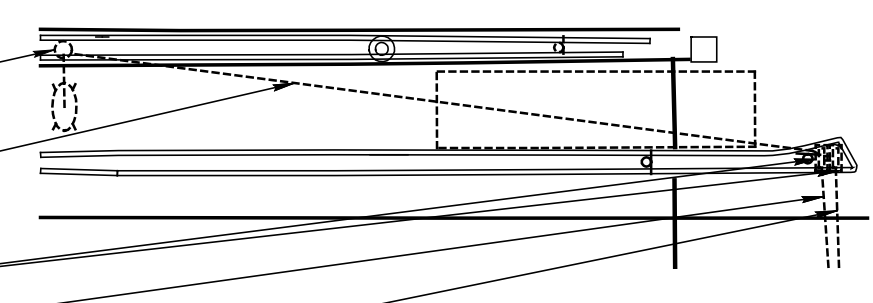


ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
606012P	CONCRETE SIDEWALK, 4" THICK	12 SY
701021P	3" RIGID METALLIC CONDUIT	476 LF
701102M	18" X 36" JUNCTION BOX	5 UNITS
701117M	JUNCTION BOX FOUNDATION	1 UNIT
701123M	FOUNDATION, TYPE SFT	1 UNIT
701135M	FOUNDATION, TYPE SPF	2 UNITS
701136M	BORING FOR FOUNDATION, TYPE STF FOR GREATER THAN 50 FOOT MAST ARM	1 UNIT
701137M	FOUNDATION, TYPE STF FOR GREATER THAN 50 FOOT MAST ARM	20 LF
701192P	GROUND WIRE, NO. 8 AWG	701 LF
701201P	MULTIPLE LIGHTING WIRE, NO. 8 AWG	2310 LF
702012M	TRAFFIC SIGNAL STANDARD, ALUMINUM	1 UNIT
702014M	TRAFFIC SIGNAL STANDARD, WITH GREATER THAN 50 FOOT MAST ARM	1 UNIT
702018M	PEDESTRIAN SIGNAL STANDARD	2 UNIT
702021M	TRAFFIC SIGNAL MAST ARM, ALUMINUM	1 UNIT
702025M	TRAFFIC SIGNAL MAST ARM, WITH GREATER THAN 50 FOOT MAST ARM	1 UNIT
702027P	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	1335 LF
702030P	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	1925 LF
702033P	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	3256 LF
702036M	TRAFFIC SIGNAL HEAD	12 UNITS
702039M	PEDESTRIAN SIGNAL HEAD	6 UNITS
702042M	PUSH BUTTON	3 UNITS
702045M	IMAGE DETECTOR	1 UNIT
702050M	GENERATOR AUXILLARY CABINET	1 UNITS
702057M	INTERIM TRAFFIC SIGNAL SYSTEM, LOCATION 1	1 LS
702060M	CONTROLLER TURN-ON	1 UNIT
702100M	UNINTERRUPTIBLE POWER SOURCE	1 UNITS
703018M	LUMINAIRE	4 UNITS



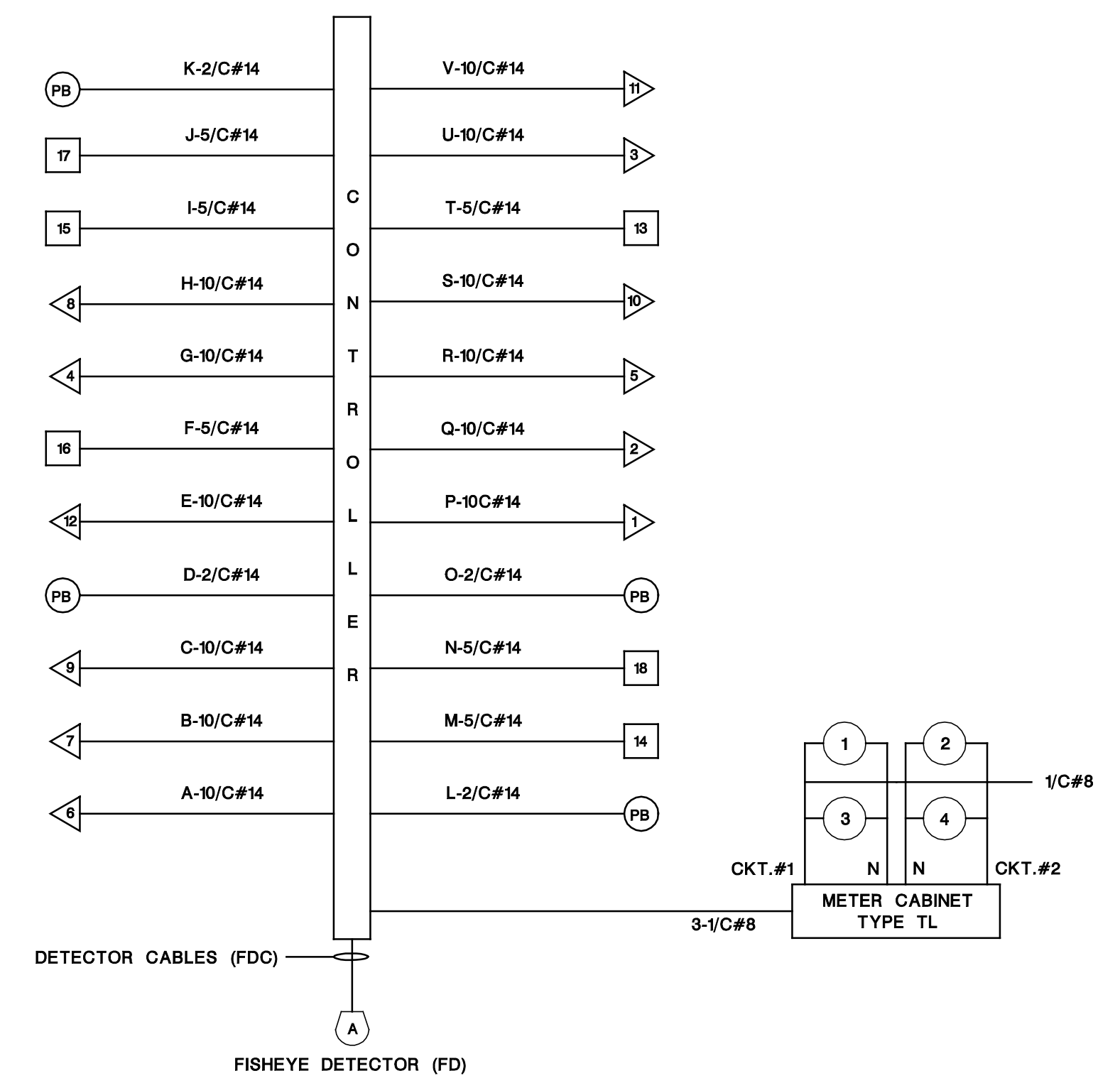
SKETCH "A"

- REMOVE: LSA(15'), TYPE L-CF-26
- ABANDON: 1 1/2" RMC
- REMOVE: 2-1/C#8
- REMOVE: 17' x 30" JUNCTION BOX
- ABANDON: 2 1/2" RMC
- REMOVE: 2-1/C#8
- ABANDON: 3" RMC
- REMOVE: 4-2/C#14

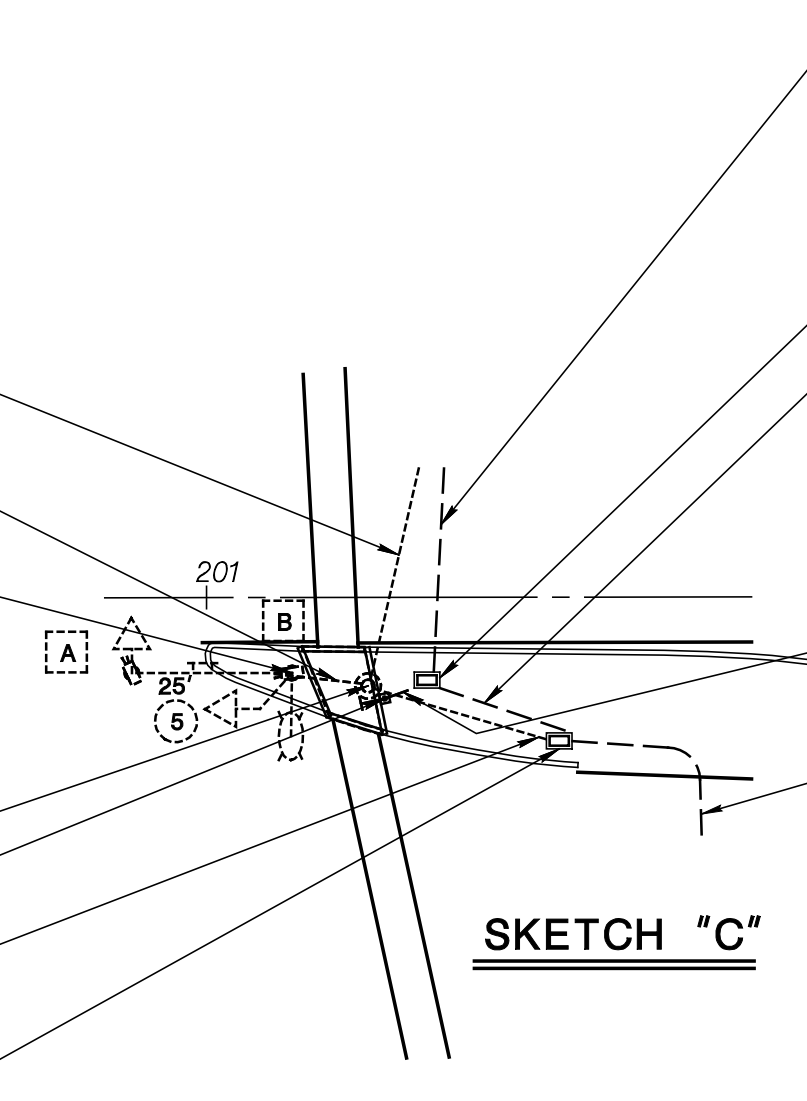


SKETCH "B"

**BLOCK WIRING DIAGRAM**



- ABANDON: 3" RMC
- REMOVE: A-10/C, B-10/C, C-2/C, J-10/C, D-2/C, 1-1/C#8(GND)
- ABANDON: 3" RMC
- REMOVE: E-10/C, 1-1/C#8(GND), IDC(A,B), 2-1/C#8 (CKT #1)
- REMOVE: FOUNDATION, TYPE SFT, STA. 201+13.36, R-11.8'
- REMOVE: TSS-C, ID(B), TSSMA-A, (2) TSH, ID(A), (2)MAS, LMA-A, L(CF-150W)
- REMOVE: 20" JUNCTION BOX
- ABANDON: 3" RMC
- REMOVE: A-10/C, B-10/C, C-2/C, D-2/C, E-10/C, J-10/C, 2-1/C#8 (CKT #1), 1-1/C#8(GND), IDC(A,B)



SKETCH "C"

- CONSTRUCT: 3" RMC
- INSTALL: A-10/C, B-10/C, C-10/C, D-2/C, E-10/C, G-10/C, H-10/C, I-5/C, J-5/C, K-2/C, 1-1/C#8(GND), 4-1/C#8(CKT #1&2)
- CONSTRUCT: 18" x 36" JUNCTION BOX
- CONSTRUCT: 3" RMC
- INSTALL: A-10/C, B-10/C, C-10/C, D-2/C, E-10/C, F-5/C, G-10/C, H-10/C, I-5/C, J-5/C, K-2/C, L-2/C, 1-1/C#8(GND), 4-1/C#8(CKT #1&2)
- CONSTRUCT: 3" RMC
- INSTALL: L-2/C, 1-1/C#8(GND)
- 3" RMC
- INSTALL: A-10/C, B-10/C, C-2/C, D-2/C, E-10/C, J-10/C, 1-1/C#8(GND), IDC(A,B), 2-1/C#8 (CKT #1)
- REMOVE: A-10/C, B-10/C, C-2/C, D-2/C, E-10/C, J-10/C, 1-1/C#8(GND), IDC(A,B), 2-1/C#8 (CKT #1)
- INSTALL: A-10/C, B-10/C, C-10/C, D-2/C, E-10/C, F-5/C, G-10/C, H-10/C, I-5/C, J-5/C, K-2/C, L-2/C, 1-1/C#8(GND), 4-1/C#8(CKT #1&2)



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**ELECTRICAL PLANS**  
 ROUTE U.S. 202 SECTION  
 MUNICIPALITY BRANCHBURG TOWNSHIP COUNTY SOMERSET  
 U.S. RT 202 & RIVER ROAD

RT 202, W. COUNTY DR(CR648) to L-887	D.I	D.I	ASR	12/XX/2022
PAYMENT PRESERVATION - PROJECT ID 228450	CADD	BY	CK'D	DATE

CONTROL SECTION NO. 1807110



1807110  
Page 1 of 2

Route U.S. 202 and River Road  
Branchburg Township, Somerset County

1807110  
Page 2 of 2

Route U.S. 202 and River Road  
Branchburg Township, Somerset County

**115, 155, 160, 170 SECOND BACKGROUND AND 72-113 SECOND VARIABLE CYCLE LENGTHS**

Phase	Signal Indications						Time (Seconds)				
	1-3	4-5, 12	6-8	9-11	13,14,15,16	17,18	I (155)	II (115)	III (160)	IV (170)	V (72-113)
<b>NORMAL OPERATION</b>											
A) Route US 202 NB Lead Left	G	<G-	R	R	DW	DW	7-16	7-16	7-13	7-16	7-16
Change	G	<Y-	R	R	DW	DW	3	3	3	3	3
Clearance	G	<R-	R	R	DW	DW	3	3	3	3	3
B) Route US 202 ROW	G	<R-	G	R	W	DW	101-78	61-45	106-89	116-96	18
Pedestrian Clearance	G	<R-	G	R	FDW	DW	18	18	18	18	18
Change	Y(1)	<R-	Y	R	DW	DW	6*	6*	6*	6*	6
Clearance	R(1)	<R-	R	R	DW	DW	2	2	2	2	2
C) River Road ROW	R	<R-	R	G	DW	DW	7-21	7-14	7-18	7-18	7-21
Change	R	<R-	R	Y	DW	DW	4	4	4	4	4
Clearance	R	<R-	R	R	DW	DW	4	4	4	4	4
<b>WITH PEDESTRIAN ACTUATION</b>											
A) Route US 202 NB Lead Left	G	<G-	R	R	DW	DW	7-16	7-16	7-13	7-16	7-16
Change	G	<Y-	R	R	DW	DW	3	3	3	3	3
Clearance	G	<R-	R	R	DW	DW	3	3	3	3	3
B) Route US 202 ROW	G	<R-	G	R	W	DW	69-60	29-20	74-68	84-75	18
Pedestrian Clearance	G	<R-	G	R	FDW	DW	18	18	18	18	18
Change	Y	<R-	Y	R	DW	DW	6*	6*	6*	6*	6
Clearance	R	<R-	R	R	DW	DW	2	2	2	2	2
C) River Road Advance Walk	R	<R-	R	R	DW	W	3	3	3	3	3
River Road ROW	R	<R-	R	G	DW	W	4	4	4	4	4
Pedestrian Clearance	R	<R-	R	G	DW	FDW	32	32	32	32	32
Change	R	<R-	R	Y	DW	DW	4	4	4	4	4
Clearance	R	<R-	R	R	DW	DW	4	4	4	4	4
Emergency Flash OFFSETS	Y	<R-	Y	R	DARK	DARK	-	-	-	-	-
							147	52	142	141	-

**NOTES:**

- \*Offsets (in seconds) are measured from the beginning of yellow to Route US 202 traffic at First Avenue to the beginning of yellow Route US 202 traffic at this intersection.
- The memory circuits are to be off.
- The memory circuit shall be on for the Emergency Pre-emption phase.
- The vehicle intervals shall be set at 2 seconds.
- The manual control is to be disconnected.
- The recall is on for Phase B. The recall is off for Phases A and C.
- Any unactuated phase shall be skipped.
- (1) To remain green if Phase C is skipped.
- The signal is to rest in Phase B (green/walk).

	Hours of Operation	Cycle Length (s)
Time I	5:00 AM – 10:00 AM, Monday – Friday	155
Time II	10:00 AM – 1:30 PM, Monday - Friday	115
Time III	1:30 PM – 8:30 PM, Monday - Friday	160
Time IV	7:00 AM – 8:30 PM, Saturday and 8:30 AM -7:30 PM, Sunday	170
Time V	All other times (Free Float)	72 – 113

**Emergency Pre-emption Notes:**

- The intersection shall have a controller cabinet with a controller or other components capable of pre-emption feature.
- Remote control pre-emption is permitted from the River Road approach to the intersection.
- During the transition into pre-emption control, the controller shall guarantee all minimum green, pedestrian clearance, yellow change and all-red clearance times. "Walk" times are to be aborted upon Emergency Pre-emption.
- A minimum guaranteed green time of 10 seconds shall be provided to Route US 202 ROW (Phase B).
- A pre-emption call shall hold that direction/phase until released (with a minimum of 15 seconds ROW provided to Phase C (River Road)).
- During the transition out of pre-emption control, yellow change and all-red clearance times shall be guaranteed.
- Upon termination of pre-emption, the controller shall exit and return to Route US 202 ROW (Phase B). At this point, normal operation shall commence.
- Route US 202 ROW (Phase B) shall be guaranteed 10 seconds of minimum green time before another pre-emption to Phase C is serviced.
- If the controller is replaced with one without pre-emption capabilities, the pre-emption device shall be disconnected.

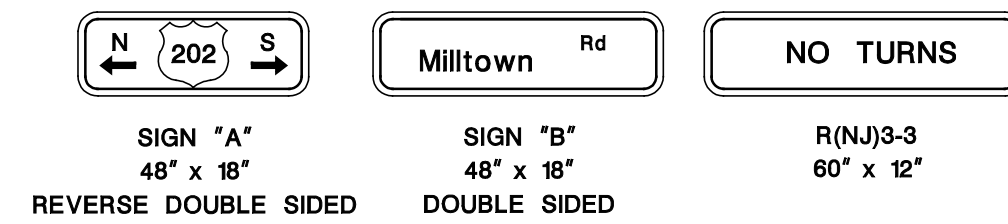


NEW JERSEY DEPARTMENT OF TRANSPORTATION	
<b>TIMING PLAN</b>	
ROUTE U.S. 202	SECTION
MUNICIPALITY BRANCHBURG TOWNSHIP COUNTY SOMERSET	
U.S. RT 202 & RIVER ROAD	
CONTROL SECTION NO.	1807110

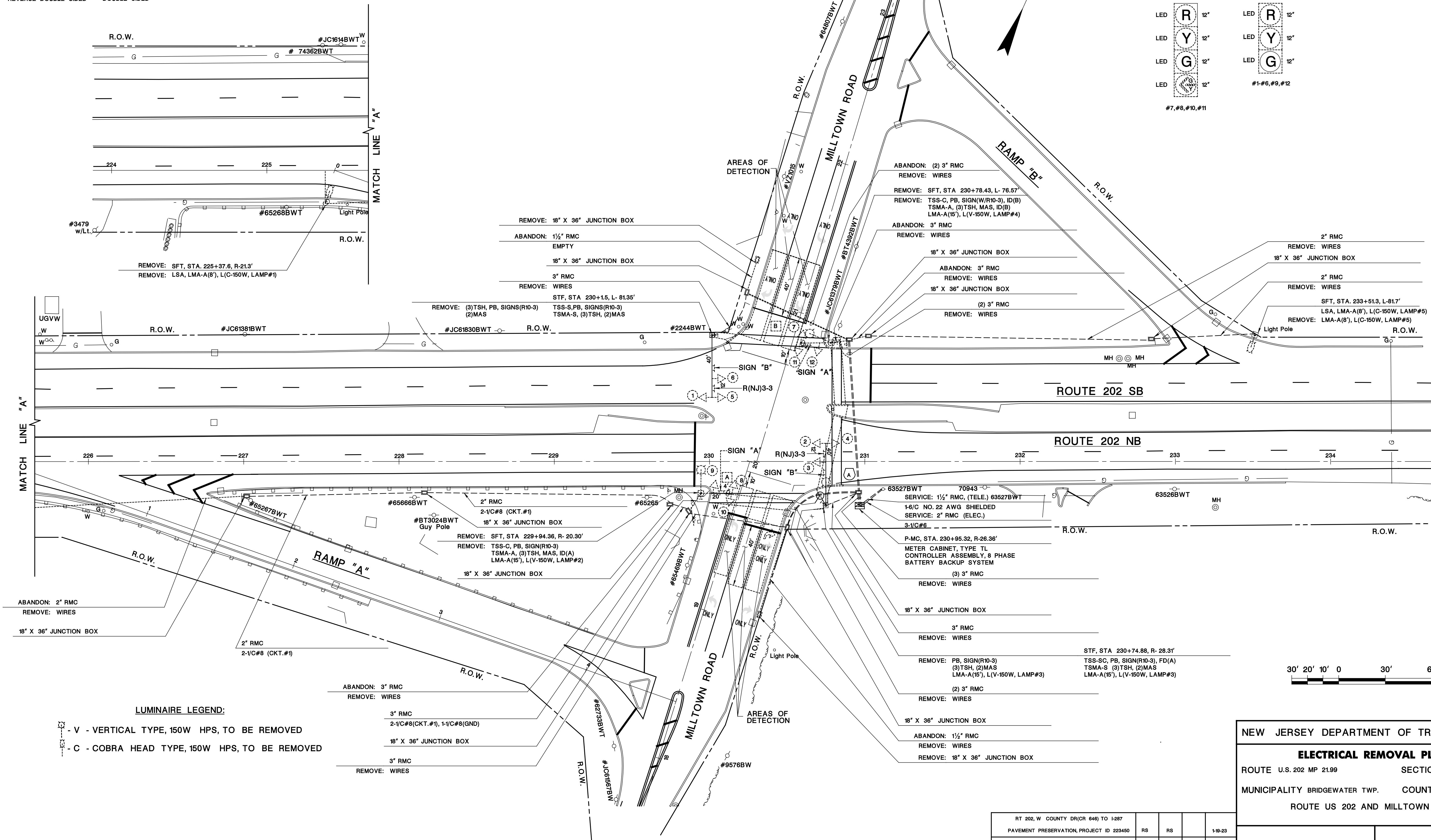
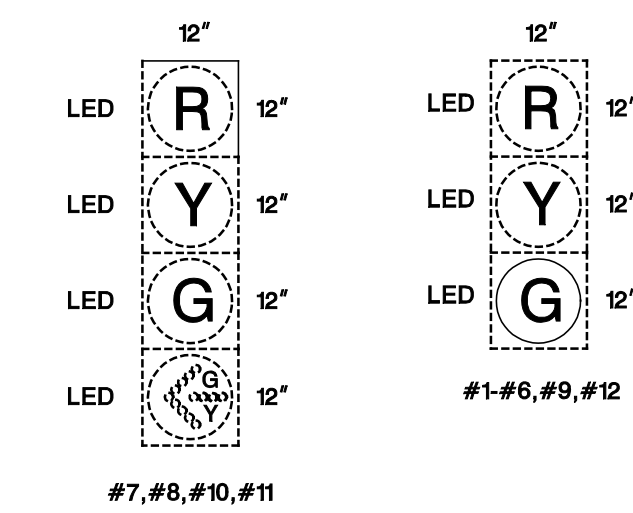
93



**SIGN LEGEND**



**SIGNAL LEGEND**



**LUMINAIRE LEGEND:**

- V - VERTICAL TYPE, 150W HPS, TO BE REMOVED
- C - COBRA HEAD TYPE, 150W HPS, TO BE REMOVED



RT 202, W. COUNTY DR(CR 646) TO I-287	RS	RS		1-9-23
PAVEMENT PRESERVATION, PROJECT ID 223450	GPS			11-23-21
WO# M-16-030 COMP. 4-24-16	NB	MC		4-19-17
MRC	NB	RJS	WH	9/29/03
DIR# 456-00 COMP. 6/28/01	CADD	BY	C'K'D	DATE

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**ELECTRICAL REMOVAL PLANS**

ROUTE U.S. 202 MP 21.99 SECTION

MUNICIPALITY BRIDGEWATER TWP. COUNTY SOMERSET

ROUTE US 202 AND MILLTOWN ROAD

CONTROL SECTION NO. 1807106

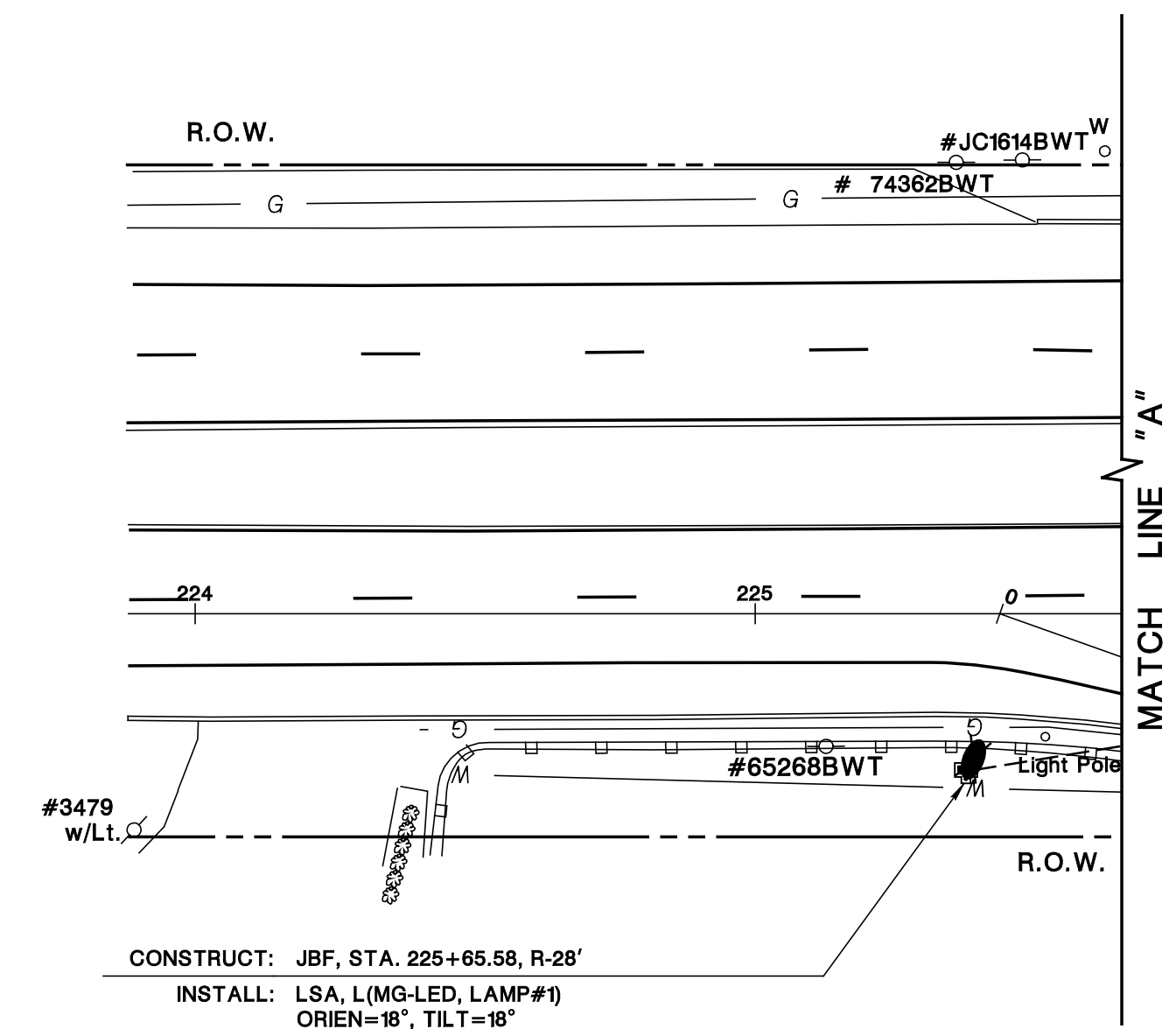
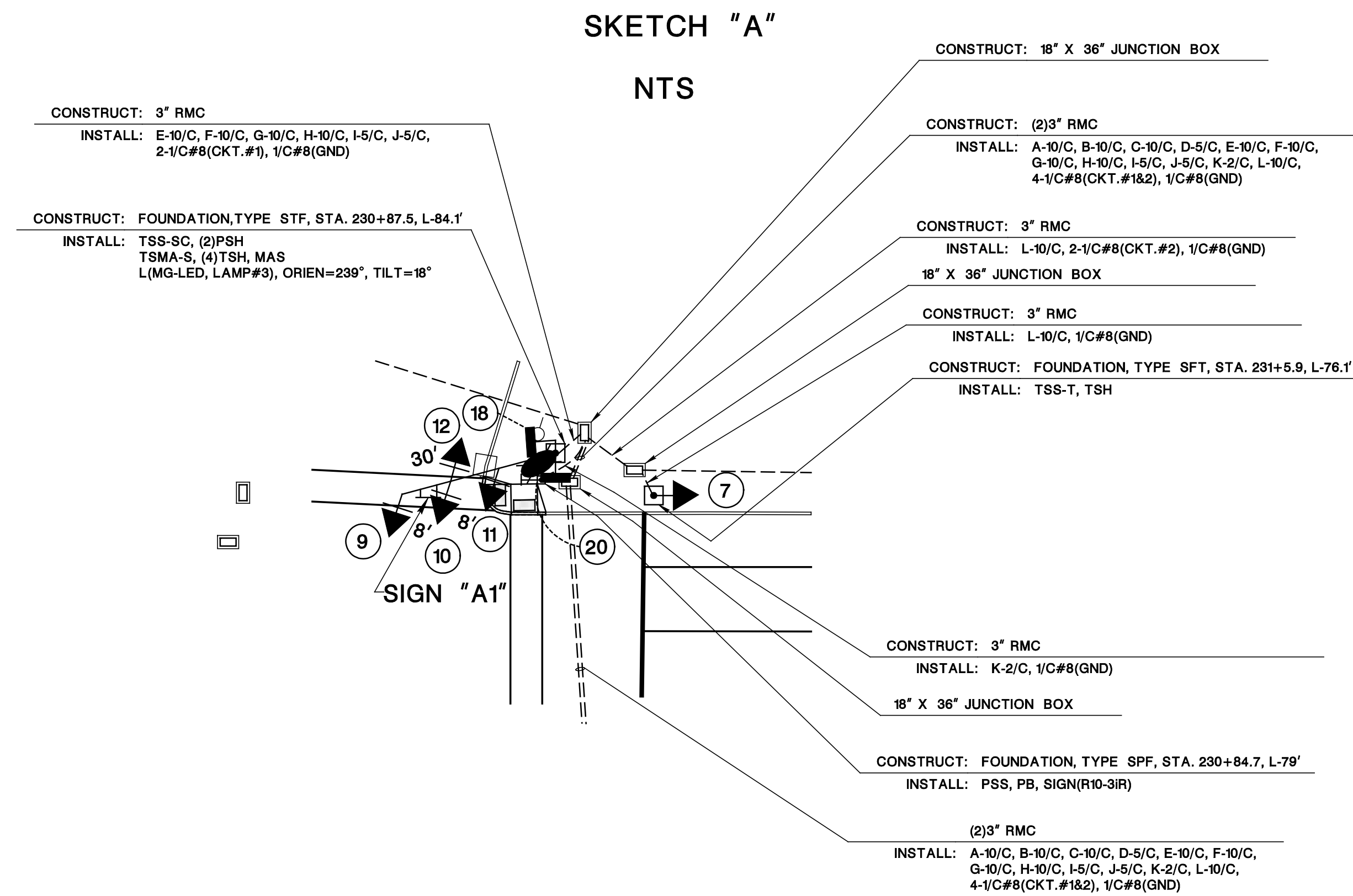
**94**

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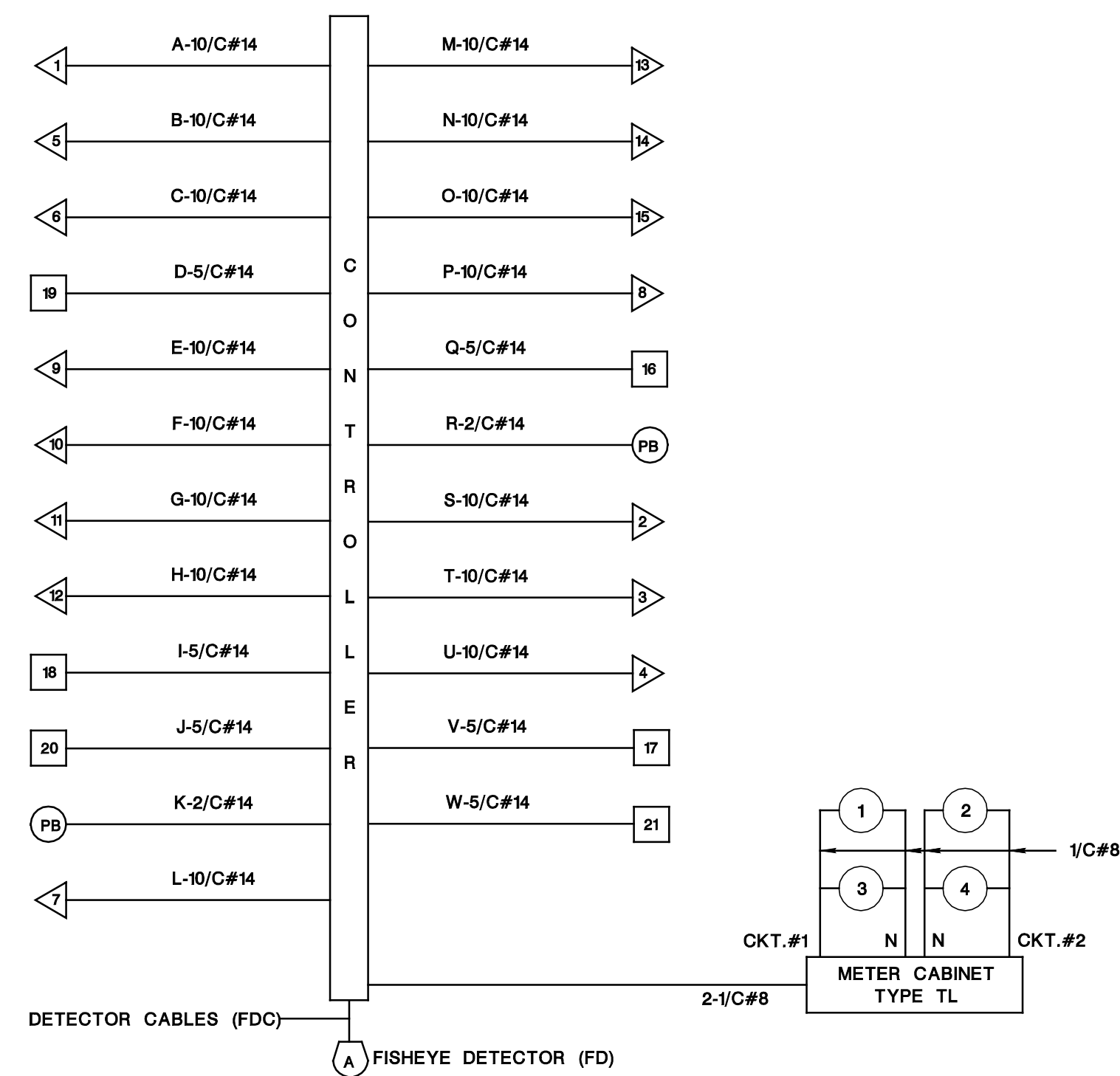








**BLOCK WIRING DIAGRAM**



ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
606012P	CONCRETE SIDEWALK, 4" THICK	2 SY
701021P	3" RIGID METALLIC CONDUIT	387 LF
701102M	18" x 36" JUNCTION BOX	1 UNIT
701117M	JUNCTION BOX FOUNDATION	1 UNIT
701123M	FOUNDATION, TYPE SFT	1 UNIT
701135M	FOUNDATION, TYPE SPF	2 UNITS
701138M	FOUNDATION, TYPE STF	2 UNITS
701192P	GROUND WIRE, NO. 8 AWG	1204 LF
701201P	MULTIPLE LIGHTING WIRE, NO. 8 AWG	2166 LF
702012M	TRAFFIC SIGNAL STANDARD, ALUMINUM	1 UNIT
702015M	TRAFFIC SIGNAL STANDARD, STEEL	2 UNITS
702018M	PEDESTRIAN SIGNAL STANDARD	3 UNIT
702024M	TRAFFIC SIGNAL MAST ARM, STEEL	2 UNITS
702027P	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	418 LF
702030P	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	907 LF
702033P	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	2589 LF
702036M	TRAFFIC SIGNAL HEAD	15 UNITS
702039M	PEDESTRIAN SIGNAL HEAD	6 UNITS
702042M	PUSH BUTTON	2 UNITS
702045M	IMAGE DETECTOR	1 UNIT
702050M	GENERATOR AUXILIARY CABINET	1 UNIT
702057M	INTERIM TRAFFIC SIGNAL SYSTEM, LOCATION 2	1 LS
702060M	CONTROLLER TURN-ON	1 UNIT
703018M	LUMINAIRE	4 UNITS



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**ELECTRICAL PLANS**

ROUTE U.S. 202 MP 21.99 SECTION

MUNICIPALITY BRIDGEWATER TWP. COUNTY SOMERSET

ROUTE US 202 AND MILLTOWN ROAD

RT 202, W COUNTY DR(CR 648) TO I-287	RS	RS		1-18-23
PAVEMENT PRESERVATION, PROJECT ID 223450				
WO# M-18-030 COMP. 4-24-18	GPS			11-23-21
MRC	NB	MC		4-19-17
DIR# 456-00 COMP. 6/28/01	NB	RJS	WH	9/29/03
REVISION DESCRIPTION	CADD	BY	C'K'D	DATE

CONTROL SECTION NO. 1807106

96



**115,155,160, 170 SECOND BACKGROUND AND 83-115 SECOND VARIABLE CYCLE LENGTHS**

PHASE	SIGNAL INDICATIONS								TIME (SECONDS)				
	1 - 7	8, 9	10, 11	12, 13	14, 15	16 - 19	20, 21	PLAN I (155)	PLAN II (115)	PLAN III (160)	PLAN IV (170)	PLAN V (83-115)	
<b>NORMAL OPERATION</b>													
A) Route US 202 ROW	G	R	R	R	R	W	DW	108-85	68-50	113-88	123-99	36	
Pedestrian Clearance	G	R	R	R	R	FDW	DW	17	17	17	17	17	
Change	Y	R	R	R	R	DW	DW	6*	6*	6*	6*	6	
Clearance	R	R	R	R	R	DW	DW	2	2	2	2	2	
B) Milltown Road Lead Lefts	R	<G-/R	R	<G-/R	R	DW	DW	5-12	5-7	5-7	5-7	5-12	
Change	R	<Y-/R	R	<Y-/R	R	DW	DW	3	3	3	3	3	
C) Milltown Road ROW	R	G	G	G	G	DW	DW	7-23	7-23	7-30	7-29	7-30	
Change	R	Y	Y	Y	Y	DW	DW	4	4	4	4	4	
Clearance	R	R	R	R	R	DW	DW	3	3	3	3	3	
<b>Offsets</b>								<b>5</b>	<b>20</b>	<b>133</b>	<b>43</b>	<b>-</b>	
<b>WITH PEDESTRIAN ACTUATION</b>													
A) Route US 202 ROW	G	R	R	R	R	W	DW	83-76	43-41	88-86	98-96	36	
Pedestrian Clearance	G	R	R	R	R	FDW	DW	17	17	17	17	17	
Change	Y	R	R	R	R	DW	DW	6*	6*	6*	6*	6	
Clearance	R	R	R	R	R	DW	DW	2	2	2	2	2	
B) Milltown Road Lead Lefts	R	<G-/R	R	<G-/R	R	DW	DW	5-12	5-7	5-7	5-7	5-12	
Change	R	<Y-/R	R	<Y-/R	R	DW	DW	3	3	3	3	3	
C) Milltown Road Advance Walk	R	R	R	R	R	DW	W	3	3	3	3	3	
Milltown Road ROW	R	G	G	G	G	DW	W	4	4	4	4	4	
Pedestrian Clearance	R	G	G	G	G	DW	FDW	25	25	25	25	25	
Change	R	Y	Y	Y	Y	DW	DW	4	4	4	4	4	
Clearance	R	R	R	R	R	DW	DW	3	3	3	3	3	
Emergency Flash	Y	R	R	R	R	DARK	DARK	-	-	-	-	-	

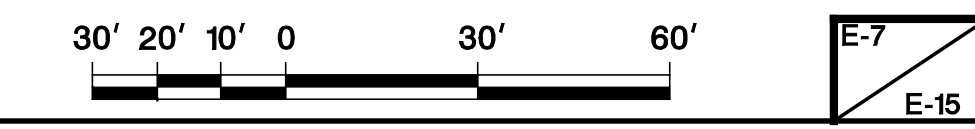
**NOTES:**

- \*Offsets are measured from the beginning of yellow to Route US 202 traffic at First Avenue to the beginning of yellow to Route US 202 at this intersection.
- The memory circuits are to be off.
- The vehicle intervals to be set at 2 seconds.
- The manual control is to be disconnected.
- Unactuated phases can be skipped; however, when Phase B is called, Phase C must follow.
- The Phase B left turn lanes are to operate simultaneously and concurrently if actuation occurs on both approaches. Each left turn lane shall have the capability of being initiated, extended or terminated separately. If only one of the left turn movements terminates, then the opposing non-conflicting through movement shall be initiated.
- Detector switching shall be provided so the Milltown Road lead lefts ROW detection (Phase B) may extend the Milltown Road ROW (Phase C) movement.
- Signal shall rest in Phase A (green/walk).

	HOURS OF OPERATION	CYCLE LENGTH (SECONDS)
PLAN I:	Monday through Friday	05:00 AM - 10:00 AM
PLAN II:	Monday through Friday	10:00 AM - 01:30 PM
PLAN III:	Monday through Friday	01:30 PM - 08:30 PM
PLAN IV:	Saturday	07:00 AM - 08:30 PM
	Sunday	08:30 AM - 07:30 PM
PLAN V:	All Other Times (Free Float)	83-115

**EMERGENCY PRE-EMPTION NOTES:**

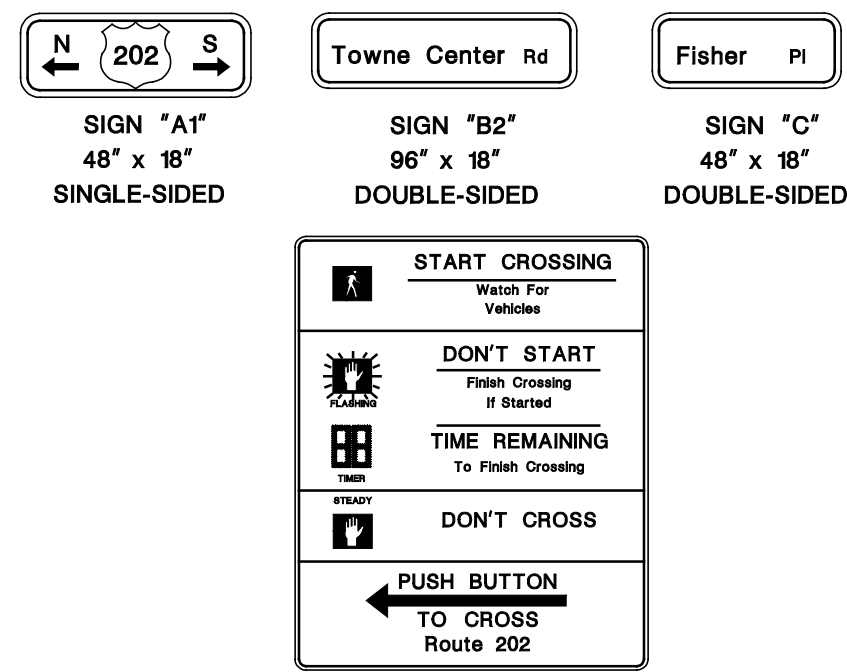
- The intersection shall have a controller cabinet with a controller or other components capable of pre-emption feature.
- Remote control pre-emption shall be permitted from Milltown Road WB (Signal Indications No. 8,9,10,11)
- During the transition into pre-emption control, the controller shall guarantee all minimum green, pedestrian clearance, yellow change, and all-red clearance times. "WALK" times are to be aborted upon Emergency Pre-Emption.
- A minimum guaranteed green time of 12 seconds shall be provided to Route US 202 ROW (Phase A).
- A pre-emption call shall hold that pre-direction/phase until released (with a minimum of 20 seconds ROW provided to that direction/phase).
- During the transition into pre-emption control, yellow change and all-red clearance times shall be guaranteed.
- Upon termination of pre-emption, the controller shall exit and return to Route 202 ROW (Phase A). At this point normal operation shall commence.
- Route US 202 ROW (Phase A) shall be guaranteed 12 seconds of minimum green time before a pre-emption to another direction/phase is serviced.
- If the controller is replaced with one without pre-emption capabilities, the pre-emption device shall be disconnected.



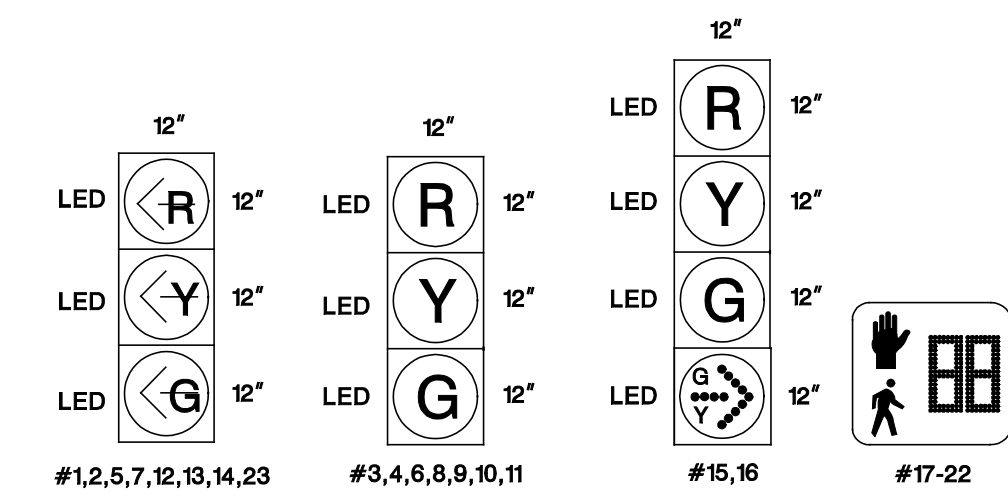
NEW JERSEY DEPARTMENT OF TRANSPORTATION	
<b>TIMING PLAN</b>	
ROUTE U.S. 202 MP 21.99	
MUNICIPALITY BRIDGEWATER TWP. COUNTY SOMERSET	
ROUTE US 202 AND MILLTOWN ROAD	
CONTROL SECTION NO. 1807106	97



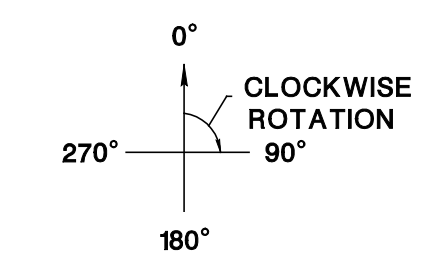
**SIGN LEGEND**



**SIGNAL LEGEND**



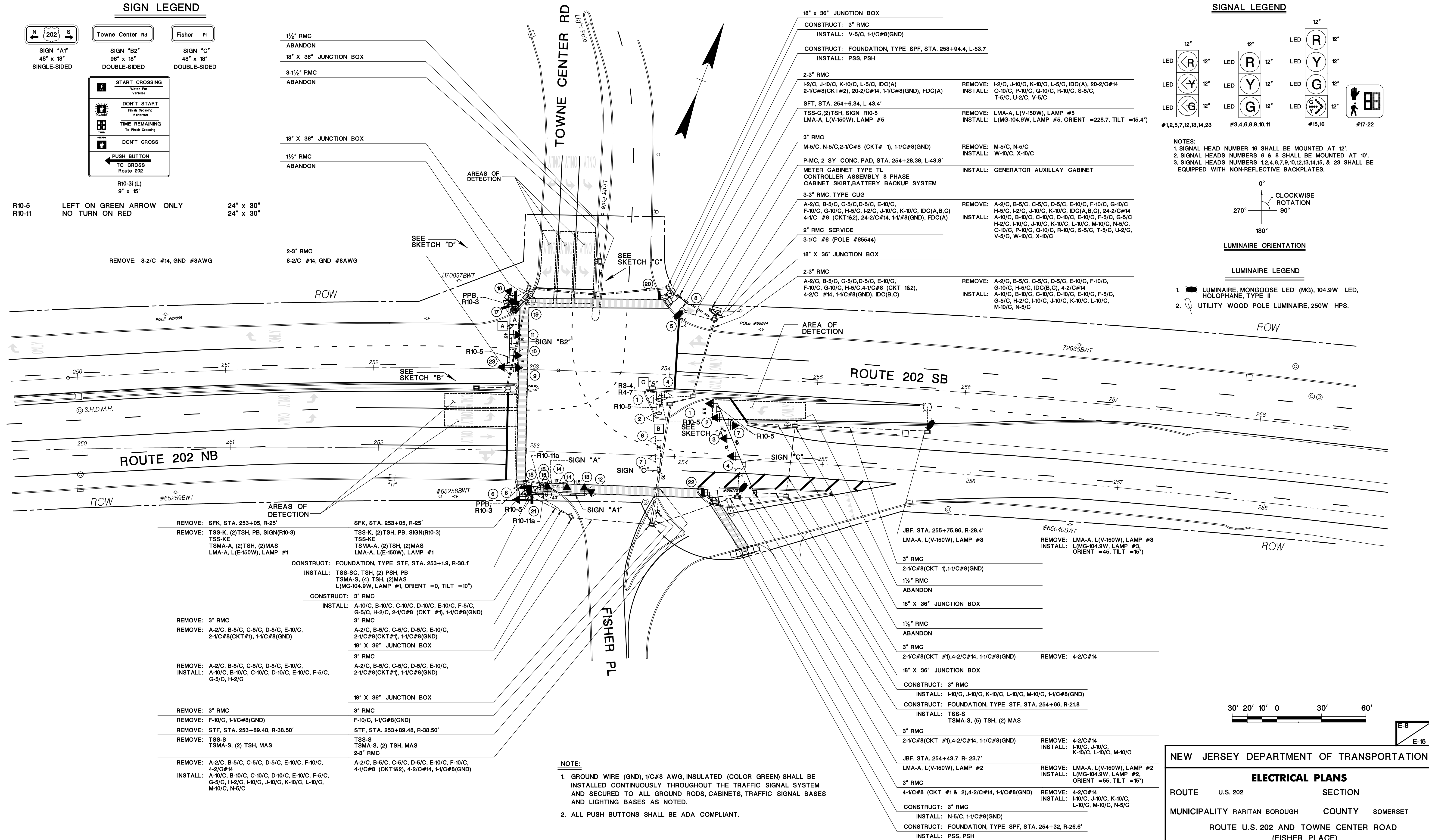
- NOTES:  
 1. SIGNAL HEAD NUMBER 16 SHALL BE MOUNTED AT 12'.  
 2. SIGNAL HEADS NUMBERS 6 & 8 SHALL BE MOUNTED AT 10'.  
 3. SIGNAL HEADS NUMBERS 1,2,4,6,7,9,10,12,13,14,15, & 23 SHALL BE EQUIPPED WITH NON-REFLECTIVE BACKPLATES.



**LUMINAIRE ORIENTATION**

**LUMINAIRE LEGEND**

- LUMINAIRE, MONGOOSE LED (MG), 104.9W LED, HOLOPHANE, TYPE II
- UTILITY WOOD POLE LUMINAIRE, 250W HPS.



- NOTE:**
- GROUND WIRE (GND), 1/C#8 AWG, INSULATED (COLOR GREEN) SHALL BE INSTALLED CONTINUOUSLY THROUGHOUT THE TRAFFIC SIGNAL SYSTEM AND SECURED TO ALL GROUND RODS, CABINETS, TRAFFIC SIGNAL BASES AND LIGHTING BASES AS NOTED.
  - ALL PUSH BUTTONS SHALL BE ADA COMPLIANT.



**NEW JERSEY DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL PLANS**

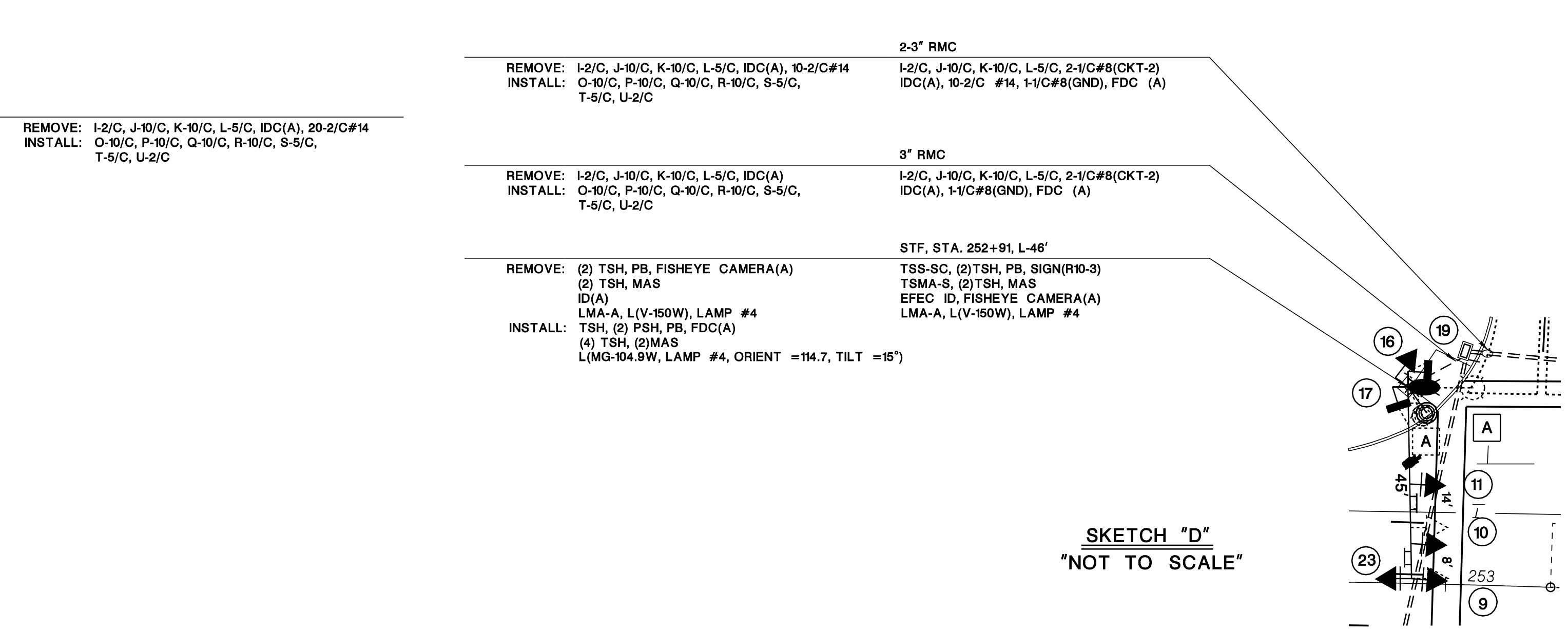
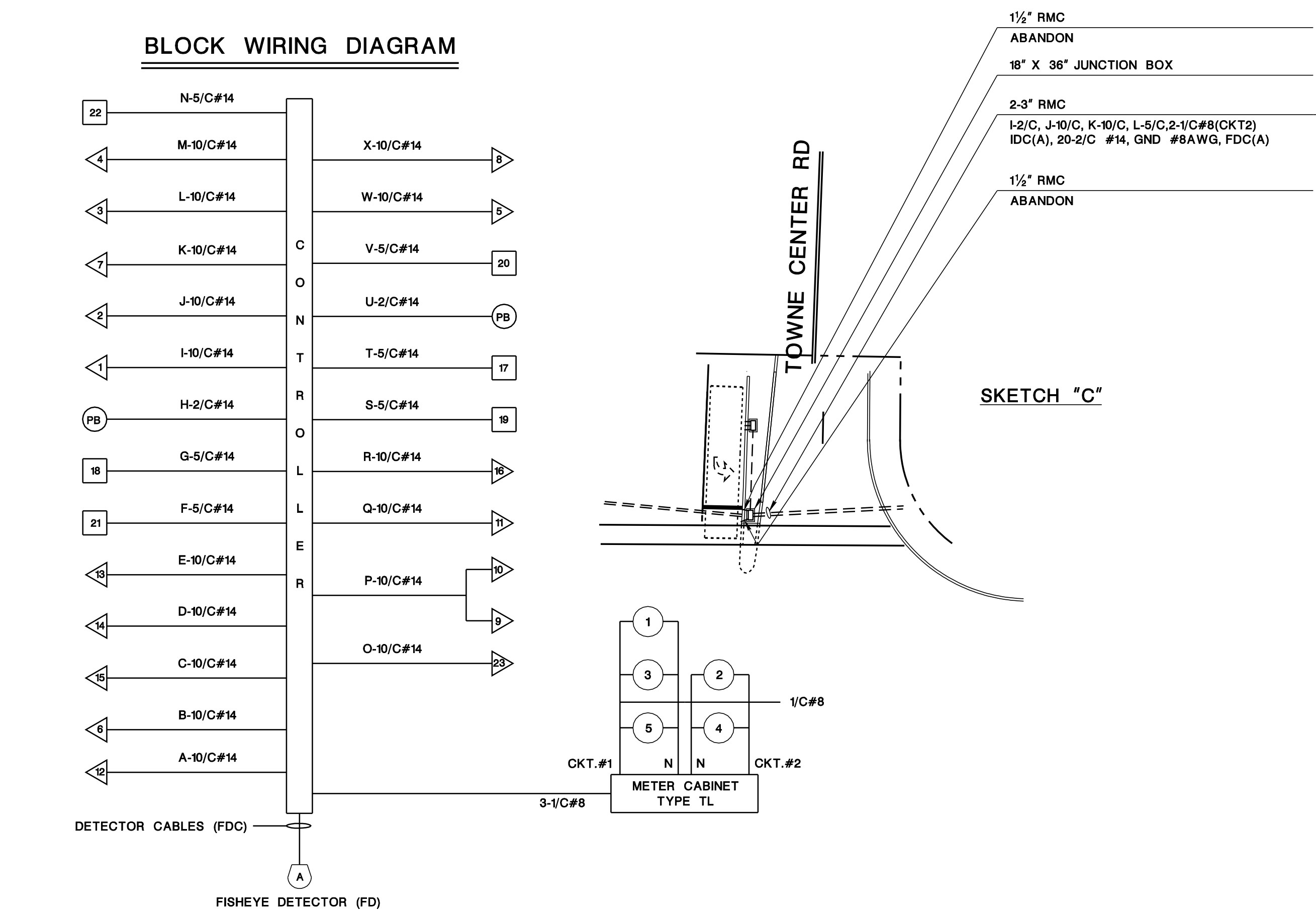
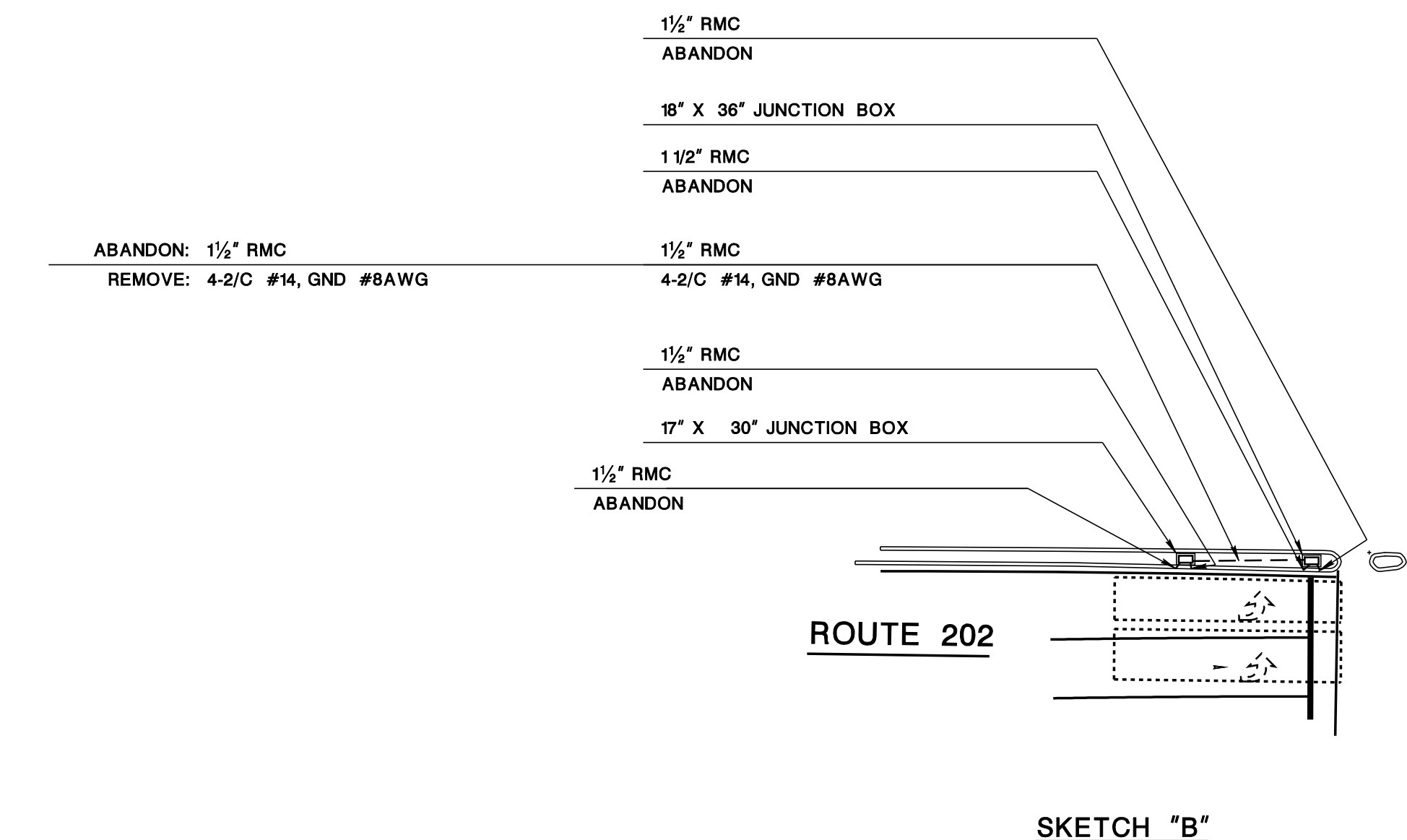
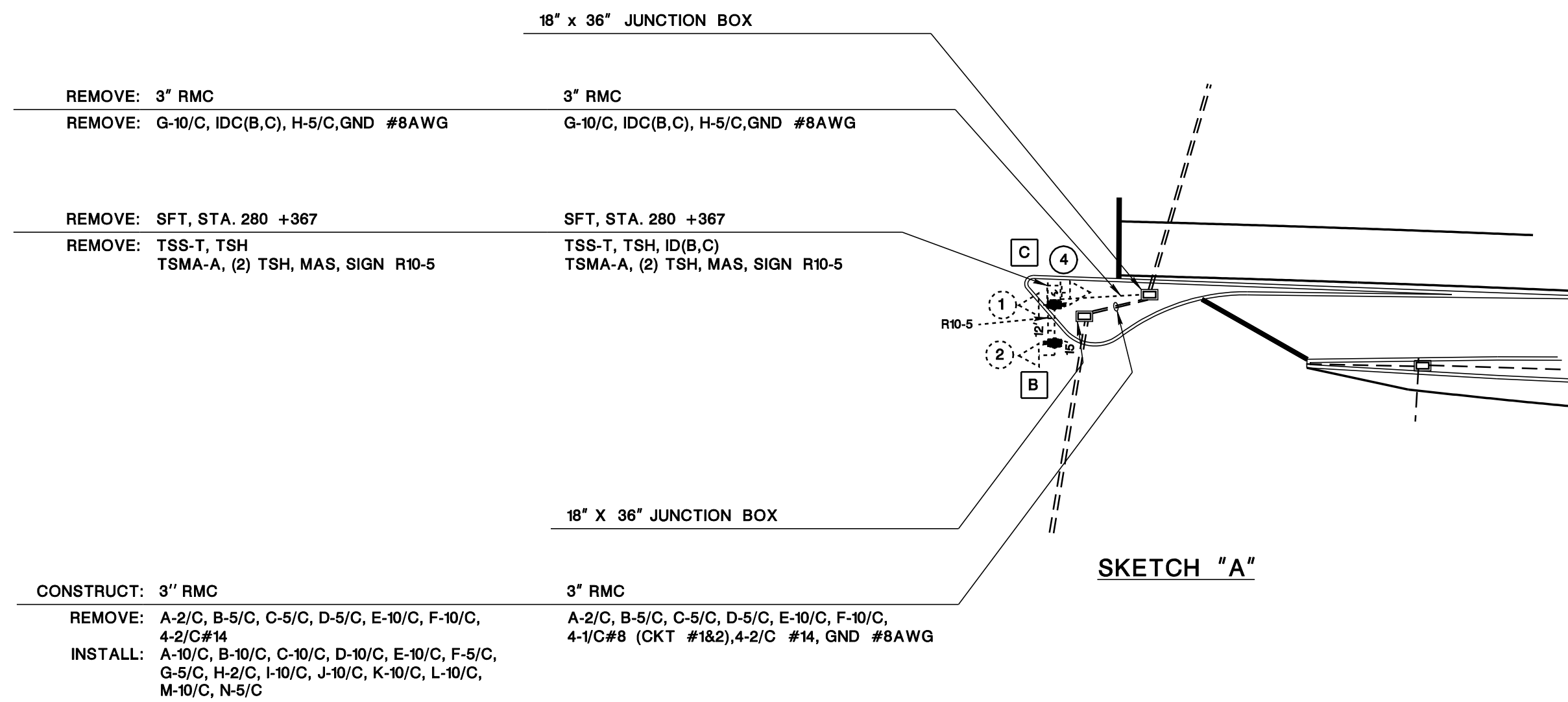
ROUTE U.S. 202 SECTION  
 MUNICIPALITY RARITAN BOROUGH COUNTY SOMERSET  
 ROUTE U.S. 202 AND TOWNE CENTER ROAD (FISHER PLACE)

RT 202, W. COUNTY DR (CR648) to I-287 PAVEMENT PRESERVATION - PROJECT ID 223460	D.I.	D.I.	ASR	1/19/2023
MWO# M-18-030 COMPLETED 04-24-18	GPS			1-31-2022
ASSUMED MAINT 6-28-01 PER DIR#445-00	WHH	JS		6-28-01
REVISION DESCRIPTION	CADD	BY	C/K/D	DATE

CONTROL SECTION NO. 1807101



ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
606012P	CONCRETE SIDEWALK, 4" THICK	6 SY
701021P	3" RIGID METALLIC CONDUIT	76 LF
701135M	FOUNDATION, TYPE SPF	2 UNITS
701138M	FOUNDATION, TYPE STF	1 UNIT
701136M	BORING FOR FOUNDATION, TYPE STF FOR GREATER THAN 50 FOOT MAST ARM	1 UNIT
701137M	FOUNDATION, TYPE STF FOR GREATER THAN 50 FOOT MAST ARM	1 UNIT
702015M	TRAFFIC SIGNAL STANDARD, STEEL	1 UNIT
702024M	TRAFFIC SIGNAL MAST ARM, STEEL	1 UNIT
702014M	TRAFFIC SIGNAL STANDARD, WITH GREATER THAN 50 FOOT MAST ARM	1 UNIT
702025M	TRAFFIC SIGNAL MAST ARM, WITH GREATER THAN 50 FOOT MAST ARM	1 UNIT
702018M	PEDESTRIAN SIGNAL STANDARD	2 UNIT
701102P	GROUND WIRE, NO. 8 AWG	97 LF
701201P	MULTIPLE LIGHTING WIRE, NO. 8 AWG	64 LF
702027P	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	491 LF
702030P	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	1340 LF
702033P	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	3540 LF
702036M	TRAFFIC SIGNAL HEAD	15 UNITS
702050M	GENERATOR AUXILIARY CABINET	1 UNITS
702039M	PEDESTRIAN SIGNAL HEAD	6 UNITS
702042M	PUSH BUTTON	2 UNITS
702045M	IMAGE DETECTOR	1 UNIT
702054M	INTERIM TRAFFIC SIGNAL SYSTEM, LOCATION 3	1 LS
702060M	CONTROLLER TURN-ON	1 UNIT
703018M	LUMINAIRE	5 UNITS



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**ELECTRICAL PLANS**

ROUTE U.S. 202 SECTION

MUNICIPALITY RARITAN BOROUGH COUNTY SOMERSET

ROUTE U.S. 202 AND TOWNE CENTER ROAD (FISHER PLACE)

REVISION	DESCRIPTION	CADD	BY	C'K'D	DATE

CONTROL SECTION NO. 1807101

99



**115, 155, 160, 170 SECOND BACKGROUND AND 76-128 SECOND VARIABLE CYCLE LENGTHS**

Phase	Signal Indications						Time (Seconds)					
	<u>1, 2, 5, 23</u>	<u>7, 12</u>	<u>3,4,6, 9,10,11</u>	<u>13,14</u>	<u>15,16</u>	<u>17,18</u>	<u>19 - 22</u>	<u>I (155)</u>	<u>II (115)</u>	<u>III (160)</u>	<u>IV (170)</u>	<u>V (76 - 128)</u>
<b>NORMAL OPERATION</b>												
1) Route US 202 Left Turns	<G-	<G-	R	<R-	R/-G>	DW	DW	7 - 13	7 - 12	7 - 17	7 - 25	7 - 25
Change	<Y-	<Y-	R	<R-	R/-Y>	DW	DW	3	3	3	3	3
Clearance	<R-	<R-	R	<R-	R	DW	DW	4	4	4	4	4
3) Route US 202 ROW	<R-	<R-	G	<R-	R	DW	W	90 - 77	50 - 33	95 - 71	105 - 58	11
Pedestrian Clearance	<R-	<R-	G	<R-	R	DW	FDW	28	28	28	28	28
Change	<R-	<R-	Y	<R-	R	DW	DW	6*	6*	6*	6*	6
Clearance	<R-	<R-	R	<R-	R	DW	DW	2	2	2	2	2
2) Towne Center Rd ROW	<R-	<R-	R	<G-	G	DW	DW	7 - 14	7 - 19	7 - 21	7 - 36	7 - 36
Change	<R-	<R-	R	<Y-	Y/-G> <sup>(1)</sup>	DW	DW	3	3	3	3	3
Clearance	<R-	<R-	R	<R-	R/-G> <sup>(2)</sup>	DW	DW	5	5	5	5	5
<b>WITH PEDESTRIAN ACTUATION</b>												
1) Route US 202 Left Turns	<G-	<G-	R	<R-	R/-G>	DW	DW	7 - 13	7 - 12	7 - 17	7 - 25	7 - 25
Change	<Y-	<Y-	R	<R-	R/-Y>	DW	DW	3	3	3	3	3
Clearance	<R-	<R-	R	<R-	R	DW	DW	4	4	4	4	4
3) Route US 202 ROW	<R-	<R-	G	<R-	R	DW	W	56 - 50	16 - 11	61 - 51	71 - 53	11
Pedestrian Clearance	<R-	<R-	G	<R-	R	DW	FDW	28	28	28	28	28
Change	<R-	<R-	Y	<R-	R	DW	DW	6*	6*	6*	6*	6
Clearance	<R-	<R-	R	<R-	R	DW	DW	2	2	2	2	2
2) Towne Center Rd Adv. Walk	<R-	<R-	R	<R-	R	W	DW	3	3	3	3	3
Towne Center Rd ROW	<R-	<R-	R	<G-	G	W	DW	4	4	4	4	4
Pedestrian Clearance	<R-	<R-	R	<G-	G	FDW	DW	34	34	34	34	34
Change	<R-	<R-	R	<Y-	Y	DW	DW	3	3	3	3	3
Clearance	<R-	<R-	R	<R-	R	DW	DW	5	5	5	5	5
Emergency Flash	<R-	<R-	Y	<R-	R	DARK	DARK	-	-	-	-	-
OFFSETS								70	2	89	145	-

**NOTES:**

- <sup>(1)</sup> To be "Y" if Phase A is skipped or if pedestrian push buttons are actuated.
- <sup>(2)</sup> To be "R" if Phase A is skipped or if pedestrian push buttons are actuated.
- \*Offsets (in seconds) are measured from the beginning of yellow to Route US 202 traffic at First Avenue to the beginning of yellow Route US 202 traffic at this intersection.
- The memory circuits are to be off.
- The vehicle intervals shall be set at 2 seconds.
- The manual control is to be connected.
- The recall is on for Phase B. The recall is off for Phases A and C.
- Any unactuated phase shall be skipped.
- The Phase A left turn lanes are to operate independently and concurrently if actuation occurs on both approaches. Each left turn lane shall have the capability of being initiated, extended or terminated separately. If only one of the left turn movements terminates, then the opposing non-conflicting through movement shall be initiated.
- The signal is to rest in Phase B (green/walk).

	Hours of Operation	Cycle Length (s)
Time I	5:00 AM - 10:00 AM, Monday - Friday	155
Time II	10:00 AM - 1:30 PM, Monday - Friday	115
Time III	1:30 PM - 8:30 PM, Monday - Friday	160
Time IV	7:00 AM - 8:30 PM, Saturday and 8:30 AM - 7:30 PM, Sunday	170
Time V	All other times (Free Float)	76 - 128



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TIMING PLAN**

ROUTE U.S. 202

MUNICIPALITY RARITAN BOROUGH COUNTY SOMERSET

ROUTE U.S. 202 AND TOWNE CENTER ROAD  
(FISHER PLACE)

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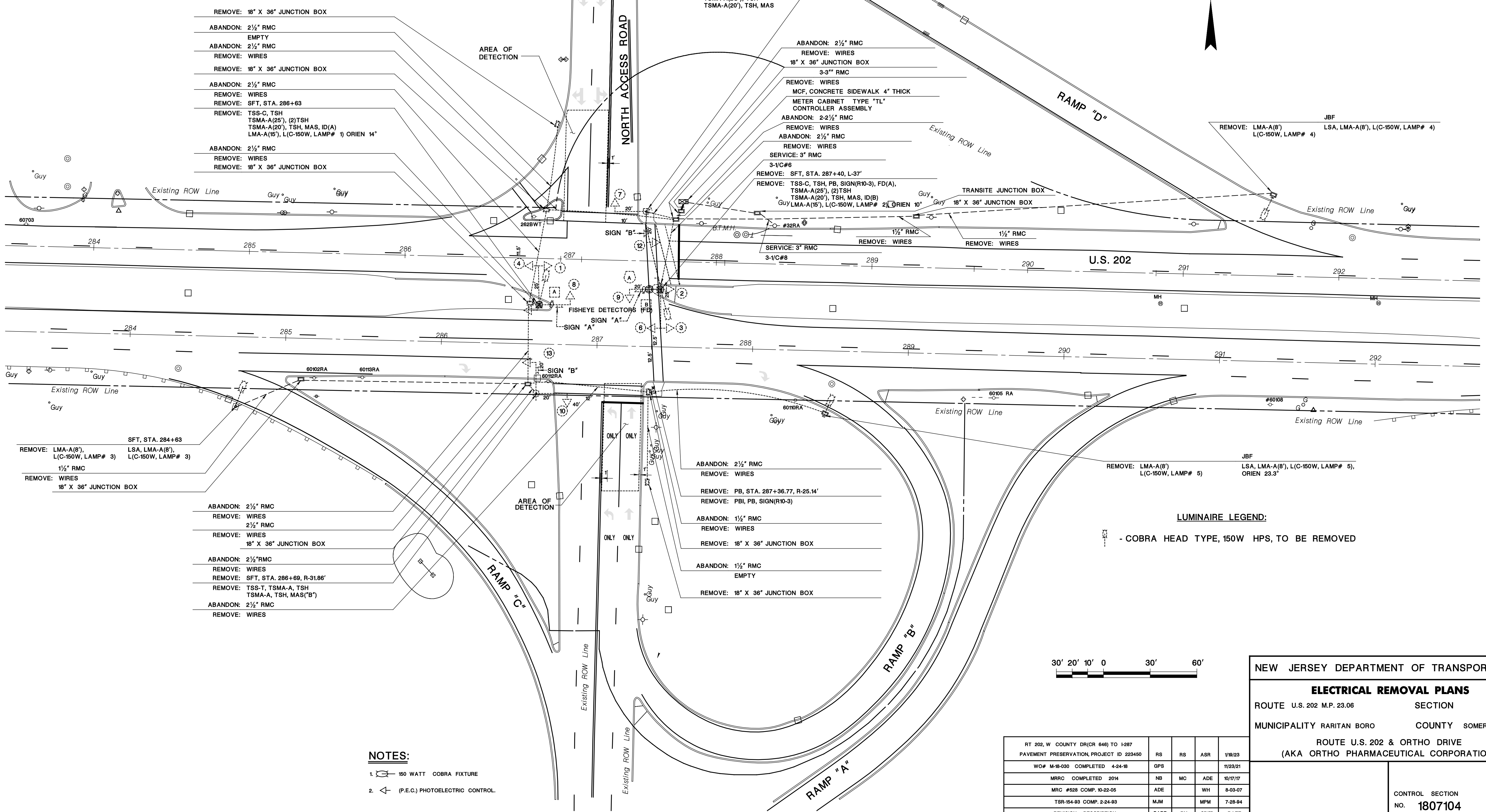
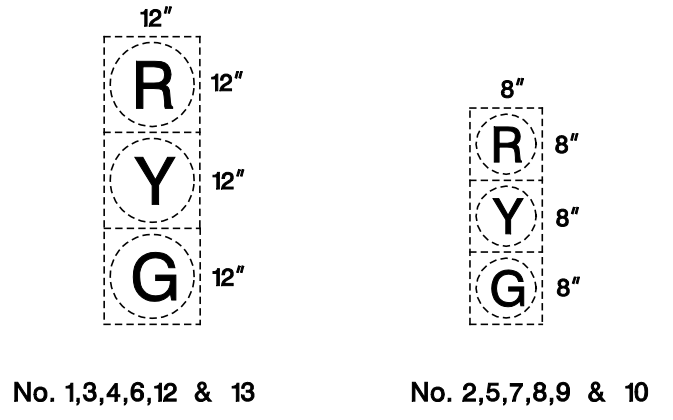
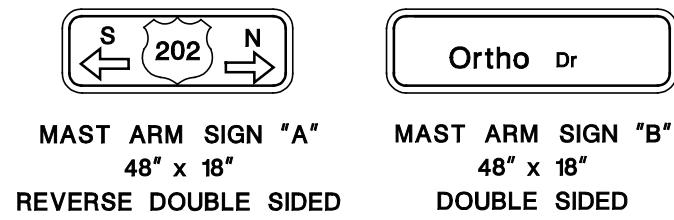
CONTROL SECTION NO. 1807101

100



**SIGN LEGEND**

**SIGNAL LEGEND**



- REMOVE: 18" X 36" JUNCTION BOX
- ABANDON: 2 1/2" RMC
- EMPTY
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- REMOVE: 18" X 36" JUNCTION BOX
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- REMOVE: SFT, STA. 286+63
- REMOVE: TSS-C, TSH
- TSSMA-A(25'), (2)TSH
- TSSMA-A(20'), TSH, MAS, ID(A)
- LMA-A(15'), L(C-150W, LAMP# 1) ORIEN 14°
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- REMOVE: 18" X 36" JUNCTION BOX

- REMOVE: SFT, STA. 287+28
- REMOVE: TSS-T, PB, SIGN(R10-3)
- TSSMA-A(20'), TSH
- TSSMA-A(20'), TSH, MAS
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- 18" X 36" JUNCTION BOX
- 3-3" RMC
- REMOVE: WIRES
- MCF, CONCRETE SIDEWALK 4" THICK
- METER CABINET TYPE "TL"
- CONTROLLER ASSEMBLY
- ABANDON: 2-2 1/2" RMC
- REMOVE: WIRES
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- SERVICE: 3" RMC
- 3-1/2" #6
- REMOVE: SFT, STA. 287+40, L-37'
- REMOVE: TSS-C, TSH, PB, SIGN(R10-3), FD(A),
- TSSMA-A(25'), (2)TSH
- TSSMA-A(20'), TSH, MAS, ID(B)
- GUY/LMA-A(15'), L(C-150W, LAMP# 2) ORIEN 10°
- TRANSITE JUNCTION BOX
- 18" X 36" JUNCTION BOX
- 1 1/2" RMC
- REMOVE: WIRES
- 1 1/2" RMC
- REMOVE: WIRES
- SERVICE: 3" RMC
- 3-1/2" #8

- SFT, STA. 284+63
- REMOVE: LMA-A(8'),
- L(C-150W, LAMP# 3)
- LSA, LMA-A(8'),
- L(C-150W, LAMP# 3)
- 1 1/2" RMC
- REMOVE: WIRES
- 18" X 36" JUNCTION BOX

- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- 2 1/2" RMC
- REMOVE: WIRES
- 18" X 36" JUNCTION BOX
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- REMOVE: SFT, STA. 286+69, R-31.86'
- REMOVE: TSS-T, TSSMA-A, TSH
- TSSMA-A, TSH, MAS("B")
- ABANDON: 2 1/2" RMC
- REMOVE: WIRES

- ABANDON: 2 1/2" RMC
- REMOVE: WIRES
- REMOVE: PB, STA. 287+36.77, R-25.14'
- REMOVE: PBI, PB, SIGN(R10-3)
- ABANDON: 1 1/2" RMC
- REMOVE: WIRES
- REMOVE: 18" X 36" JUNCTION BOX
- ABANDON: 1 1/2" RMC
- EMPTY
- REMOVE: 18" X 36" JUNCTION BOX

- REMOVE: LMA-A(8')
- L(C-150W, LAMP# 5)
- JBF
- LSA, LMA-A(8'), L(C-150W, LAMP# 5),
- ORIEN 23.3°

**LUMINAIRE LEGEND:**  
- COBRA HEAD TYPE, 150W HPS, TO BE REMOVED

**NOTES:**

1. 150 WATT COBRA FIXTURE
2. (P.E.C.) PHOTOELECTRIC CONTROL.



RT 202, W COUNTY DR(CR 648) TO I-287	RS	RS	ASR	1/19/23
PAVEMENT PRESERVATION, PROJECT ID 223450	GPS			11/23/21
WO# M-18-030 COMPLETED 4-24-18	MB	MC	ADE	10/17/17
MRC #528 COMP. 10-22-05	ADE		WH	8-03-07
TSR-154-93 COMP. 2-24-93	MJM		MPM	7-28-94
REVISION DESCRIPTION	CADD	BY	C'K'D	DATE

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**ELECTRICAL REMOVAL PLANS**

ROUTE U.S. 202 M.P. 23.06 SECTION

MUNICIPALITY RARITAN BORO COUNTY SOMERSET

ROUTE U.S. 202 & ORTHO DRIVE  
(AKA ORTHO PHARMACEUTICAL CORPORATION)

CONTROL SECTION NO. 1807104

101

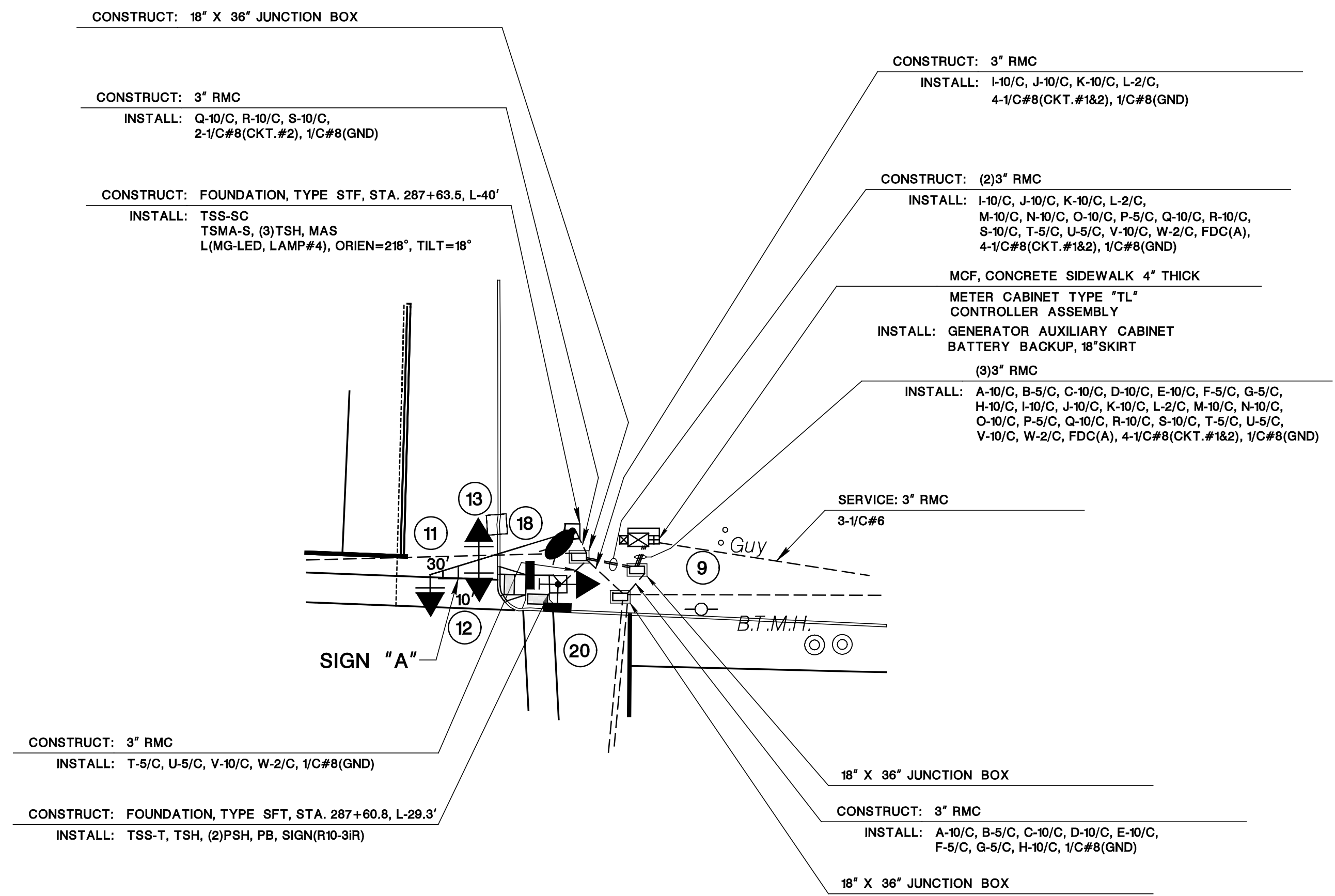
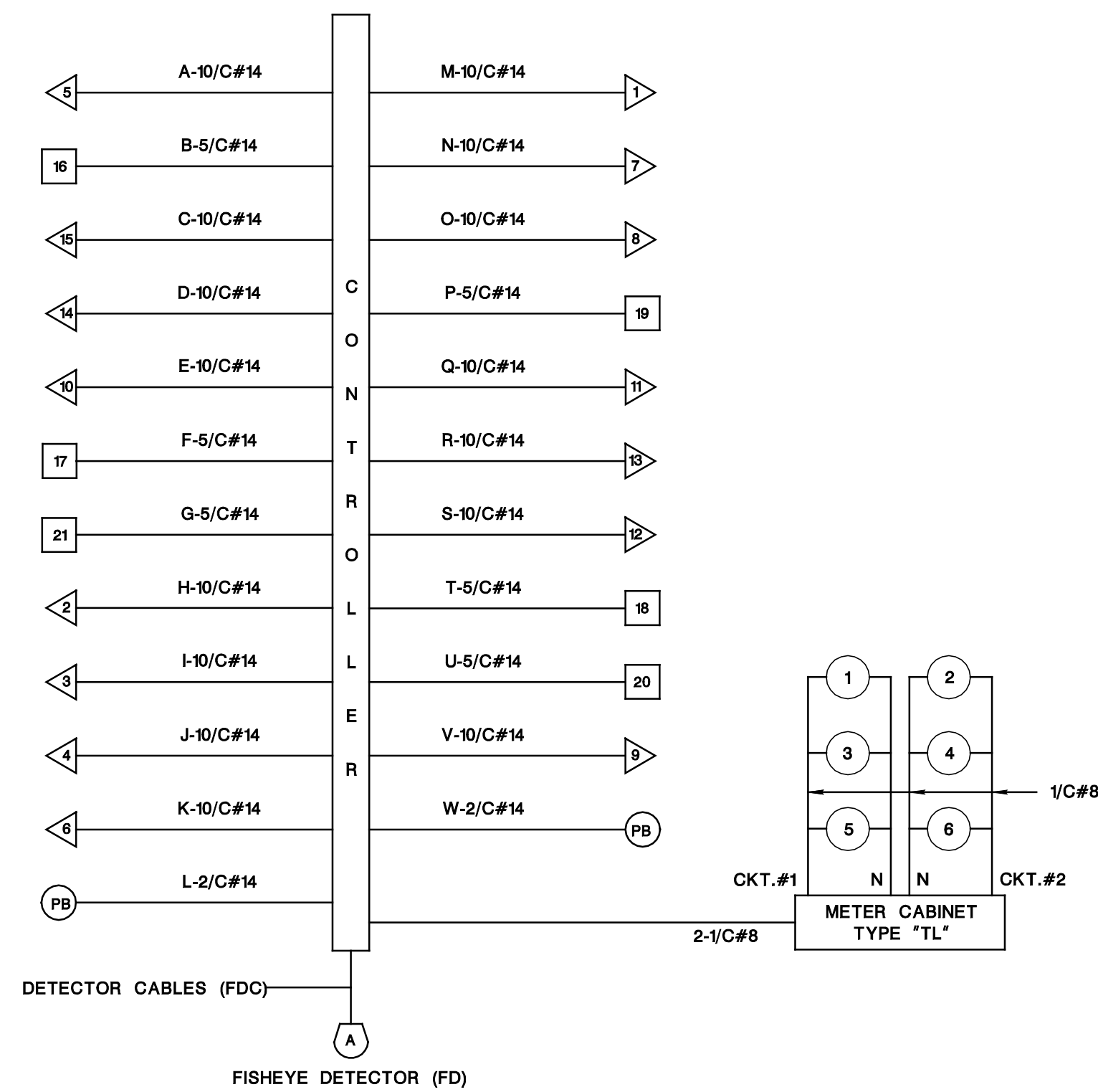
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### BLOCK WIRING DIAGRAM



SKETCH "A"  
N.T.S.

ITEM NUMBER	TO BE CONSTRUCTED	CONTRACT QUANTITY
606012P	CONCRETE SIDEWALK, 4" THICK	2 SY
701021P	3" RIGID METALLIC CONDUIT	620 LF
701102M	18" x 36" JUNCTION BOX	5 UNITS
701123M	FOUNDATION, TYPE SFT	1 UNIT
701135M	FOUNDATION, TYPE SPF	1 UNIT
701138M	FOUNDATION, TYPE STF	3 UNITS
701136M	BORING FOR FOUNDATION, TYPE STF FOR GREATER THAN 50 FOOT MAST ARM	1 UNIT
701137M	FOUNDATION, TYPE STF FOR GREATER THAN 50 FOOT MAST ARM	20 LF
701192P	GROUND WIRE, NO. 8 AWG	1236 LF
701201P	MULTIPLE LIGHTING WIRE, NO. 8 AWG	2754 LF
702014M	TRAFFIC SIGNAL STANDARD WITH GREATER THAN 50 FOOT MAST ARM	1 UNIT
702012M	TRAFFIC SIGNAL STANDARD, ALUMINUM	1 UNIT
702015M	TRAFFIC SIGNAL STANDARD, STEEL	3 UNITS
702018M	PEDESTRIAN SIGNAL STANDARD	1 UNIT
702025M	TRAFFIC SIGNAL MAST ARM GREATER THAN 50 FOOT, STEEL	1 UNIT
702024M	TRAFFIC SIGNAL MAST ARM, STEEL	3 UNITS
702027P	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	228 LF
702030P	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	822 LF
702033P	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	2724 LF
702036M	TRAFFIC SIGNAL HEAD	15 UNITS
702050M	GENERATOR AUXILIARY CABINET WITH BATTERY BACKUP	1 UNIT
702039M	PEDESTRIAN SIGNAL HEAD	6 UNITS
702042M	PUSH BUTTON	2 UNITS
702045M	IMAGE DETECTOR	1 UNIT
702057M	INTERIM TRAFFIC SIGNAL SYSTEM, LOCATION 4	1 LS
702060M	CONTROLLER TURN-ON	1 UNIT
703018M	LUMINAIRE	6 UNITS



NEW JERSEY DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL PLANS**  
 ROUTE U.S. 202 M.P. 23.06 SECTION  
 MUNICIPALITY RARITAN BORO COUNTY SOMERSET  
 ROUTE U.S. 202 & ORTHO DRIVE  
 (AKA ORTHO PHARMACEUTICAL CORPORATION)

RT 202, W COUNTY DR(CR 848) TO I-287 PAVEMENT PRESERVATION, PROJECT ID 223450	RS	RS	ASR	1/19/23
WO# M-18-030 COMPLETED 4-24-18	GPS			11/23/21
MRRG COMPLETED 2014	NB	MC	ADE	10/17/17
MRC #528 COMP. 10-22-05	ADE		WH	8-03-07
TSR-154-93 COMP. 2-24-93	MJM		MPM	7-28-94
REVISION DESCRIPTION	CADD	BY	C'K'D	DATE

CONTROL SECTION  
NO. 1807104



1807104

Route U.S. 202 and Ortho Drive (aka Ortho Pharmaceutical Corporation)

Page 1 of 1

Raritan Borough, Somerset County

**115, 155, 160, 170 SECOND BACKGROUND AND 86-131 SECOND VARIABLE CYCLE LENGTHS**

PHASE	SIGNAL INDICATIONS				TIME (SECONDS)				
	<u>1-5</u> <u>6-9</u>	<u>10-12</u> <u>13-15</u>	<u>16-19</u>	<u>20, 21</u>	<u>I</u> <u>(155)</u>	<u>II</u> <u>(115)</u>	<u>III</u> <u>(160)</u>	<u>IV</u> <u>(170)</u>	<u>V</u> <u>(86-131)</u>
<b>NORMAL OPERATION</b>									
A) Route US 202 ROW	G	R	W	DW	116 - 87	76 - 51	121 - 76	131 - 114	47
Pedestrian Clearance	G	R	FDW	DW	17	17	17	17	17
Change	Y	R	DW	DW	6*	6*	6*	6*	6
Clearance	R	R	DW	DW	2	2	2	2	2
B) Ortho Drive ROW	R	G	DW	DW	7 - 36	7 - 32	7 - 52	7 - 24	7 - 52
Change	R	Y	DW	DW	4	4	4	4	4
Clearance	R	R	DW	DW	3	3	3	3	3
<b>WITH PEDESTRIAN ACTUATION</b>									
A) Route US 202 ROW	G	R	W	DW	87	47	92 - 76	102	47
Pedestrian Clearance	G	R	FDW	DW	17	17	17	17	17
Change	Y	R	DW	DW	6*	6*	6*	6*	6
Clearance	R	R	DW	DW	2	2	2	2	2
B) Ortho Drive ROW	R	G	DW	W	7	7	7	7	7
Pedestrian Clearance	R	G	DW	FDW	29	29	29	29	29
Vehicle Extension	R	G	DW	DW	0	0	0 - 16	0	0 - 16
Change	R	Y	DW	DW	4	4	4	4	4
Clearance	R	R	DW	DW	3	3	3	3	3
Emergency Flash	Y	R	DARK	DARK	-	-	-	-	-
OFFSETS					82	59	60	119	-

**NOTES:**

- \*Offsets (in seconds) are measured from the beginning of yellow to Route US 202 traffic at First Avenue to the beginning of yellow Route US 202 traffic at this intersection.
- The memory circuits are to be off.
- The vehicle intervals shall be set at 2 seconds.
- The manual control is to be disconnected.
- Any unactuated phases shall be skipped.
- The signal is to rest in Phase A (green/walk).

	Hours of Operation	Cycle Length (s)
Time I	5:00 AM - 10:00 AM, Monday - Friday	155
Time II	10:00 AM - 1:30 PM, Monday - Friday	115
Time III	1:30 PM - 8:30 PM, Monday - Friday	160
Time IV	7:00 AM - 8:30 PM, Saturday and 8:30 AM - 7:30 PM, Sunday	170
Time V	All other times (Free Float)	86 - 131



E-14  
E-15

NEW JERSEY DEPARTMENT OF TRANSPORTATION	
<b>TIMING PLAN</b>	
ROUTE U.S. 202 M.P. 23.06	SECTION
MUNICIPALITY RARITAN BORO	COUNTY SOMERSET
ROUTE U.S. 202 & ORTHO DRIVE (AKA ORTHO PHARMACEUTICAL CORPORATION)	
CONTROL SECTION NO. 1807104	<b>104</b>



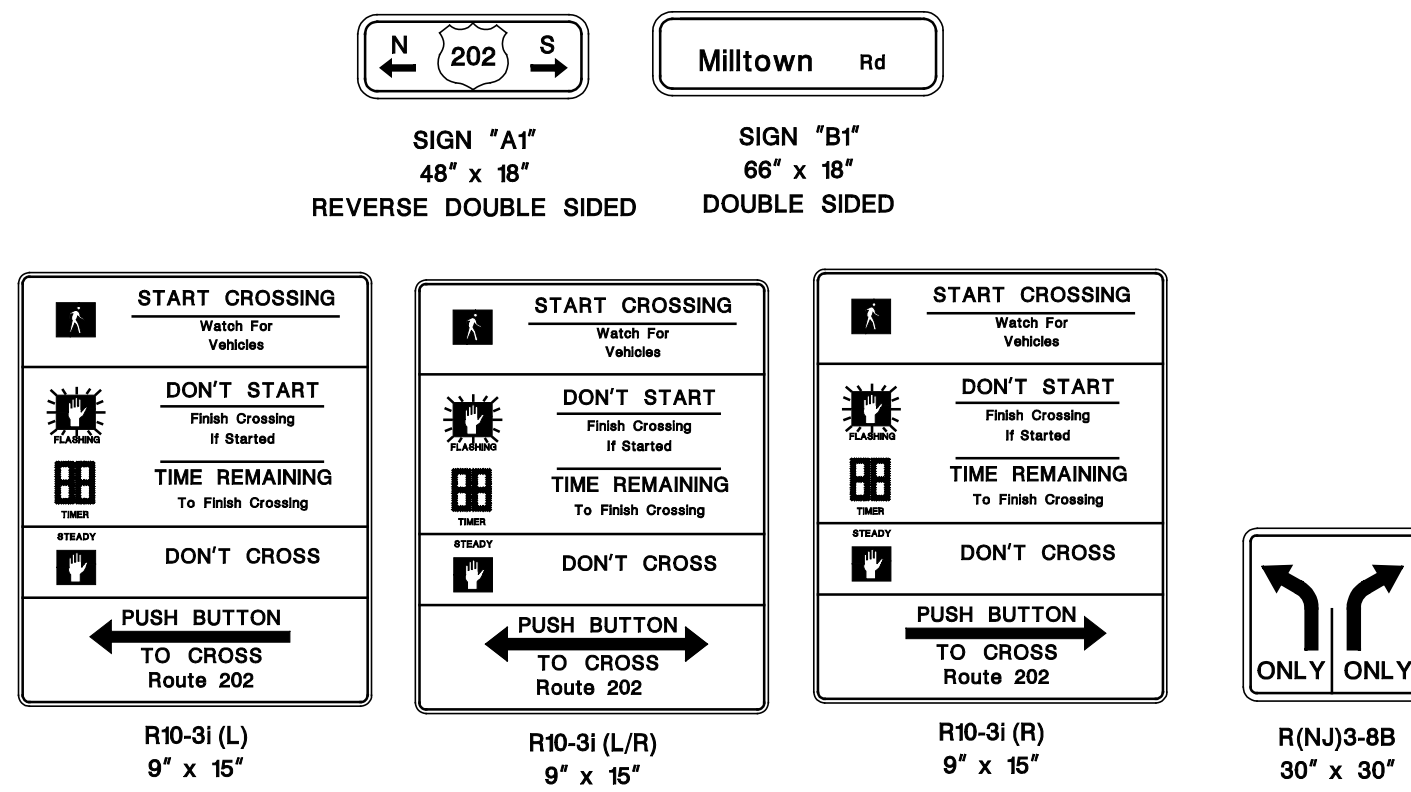




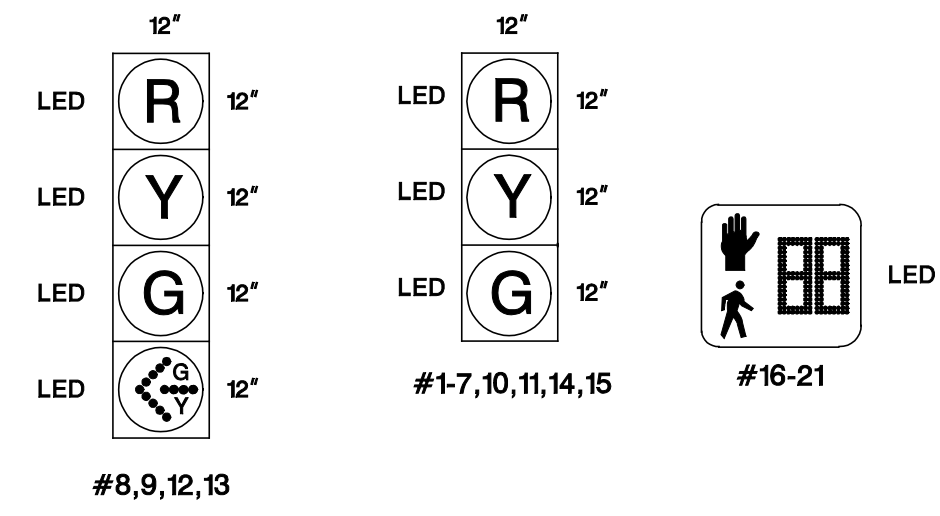




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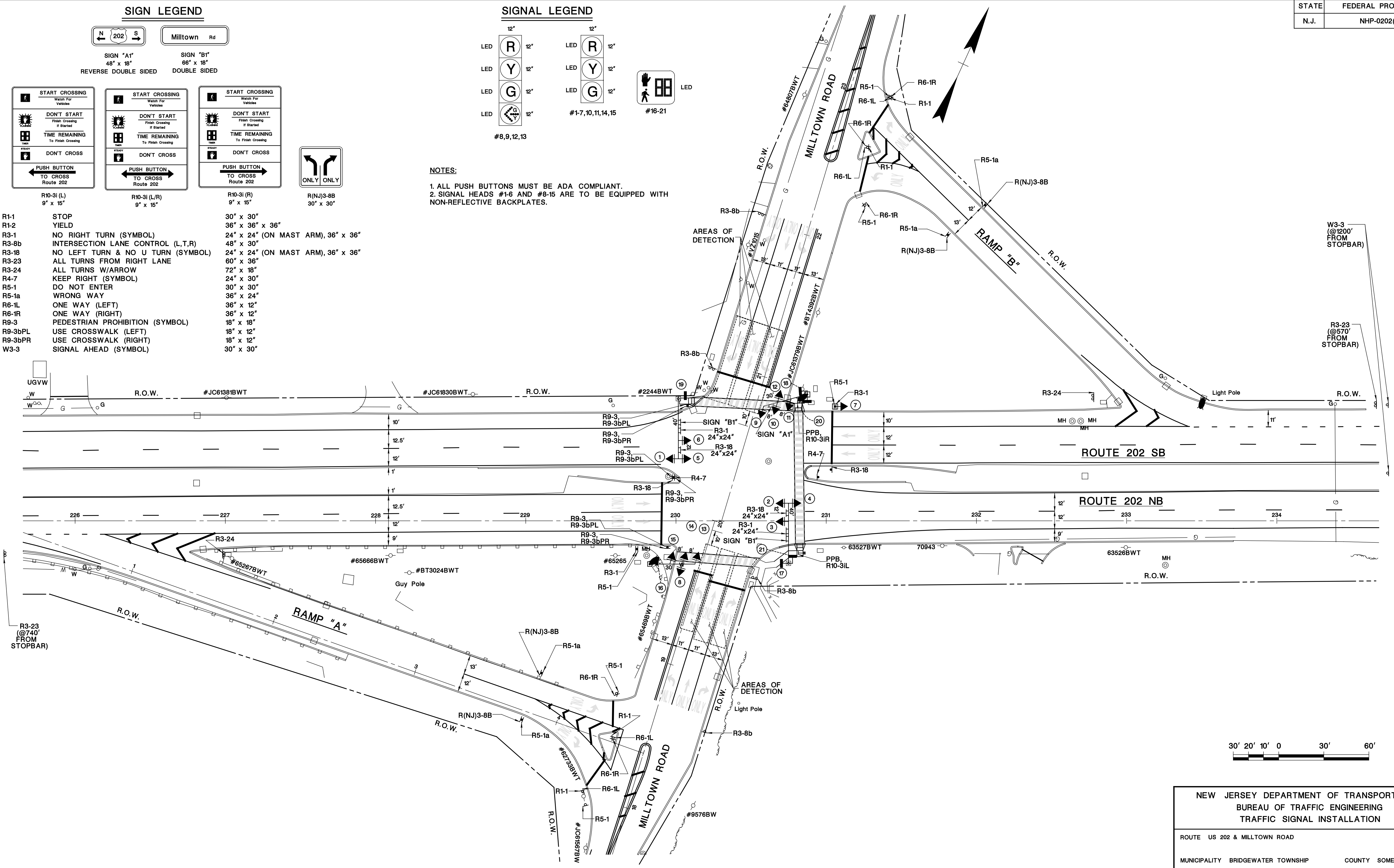


**SIGNAL LEGEND**



**NOTES:**  
 1. ALL PUSH BUTTONS MUST BE ADA COMPLIANT.  
 2. SIGNAL HEADS #1-6 AND #8-15 ARE TO BE EQUIPPED WITH NON-REFLECTIVE BACKPLATES.

- R1-1 STOP 30" x 30"
- R1-2 YIELD 36" x 36" x 36"
- R3-1 NO RIGHT TURN (SYMBOL) 24" x 24" (ON MAST ARM), 36" x 36"
- R3-8b INTERSECTION LANE CONTROL (L,T,R) 48" x 30"
- R3-18 NO LEFT TURN & NO U TURN (SYMBOL) 24" x 24" (ON MAST ARM), 36" x 36"
- R3-23 ALL TURNS FROM RIGHT LANE 60" x 36"
- R3-24 ALL TURNS W/ARROW 72" x 18"
- R4-7 KEEP RIGHT (SYMBOL) 24" x 30"
- R5-1 DO NOT ENTER 30" x 30"
- R5-1a WRONG WAY 36" x 24"
- R6-1L ONE WAY (LEFT) 36" x 12"
- R6-1R ONE WAY (RIGHT) 36" x 12"
- R9-3 PEDESTRIAN PROHIBITION (SYMBOL) 18" x 18"
- R9-3bPL USE CROSSWALK (LEFT) 18" x 12"
- R9-3bPR USE CROSSWALK (RIGHT) 18" x 12"
- W3-3 SIGNAL AHEAD (SYMBOL) 30" x 30"



**NEW JERSEY DEPARTMENT OF TRANSPORTATION  
 BUREAU OF TRAFFIC ENGINEERING  
 TRAFFIC SIGNAL INSTALLATION**

ROUTE US 202 & MILLTOWN ROAD

MUNICIPALITY BRIDGEWATER TOWNSHIP COUNTY SOMERSET

DESIGN APPROVED - BUREAU OF TRAFFIC ENGINEERING DATE

SUBMITTED	MA/TW	DRAWN	NB	SCALE:
CHECKED	DP	CHECKED	NB	1" = 30'
AUTHORIZED	JMO			<b>TS-2</b>

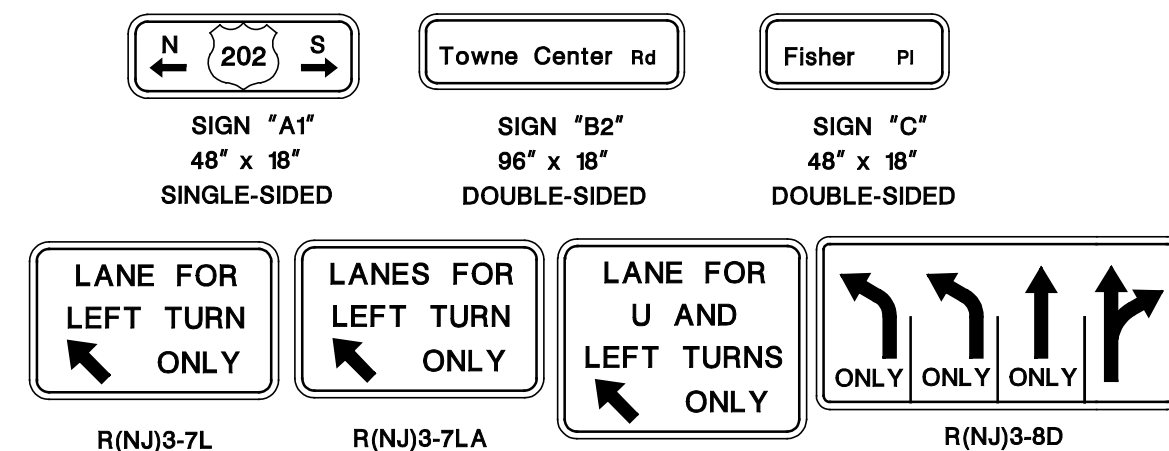
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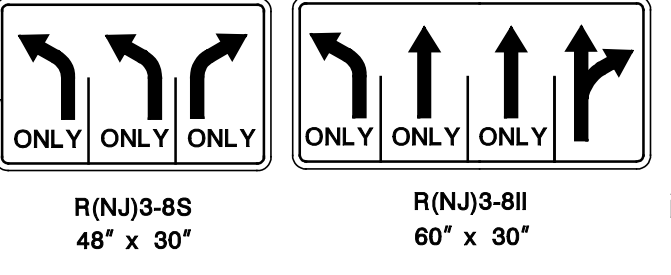
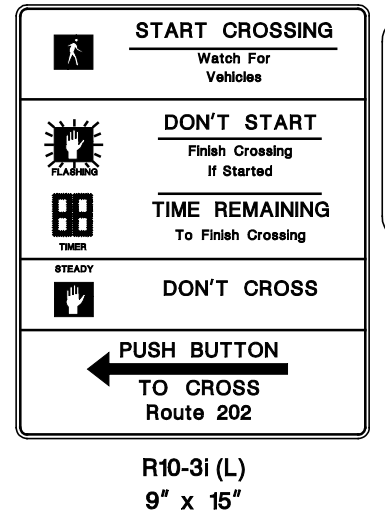
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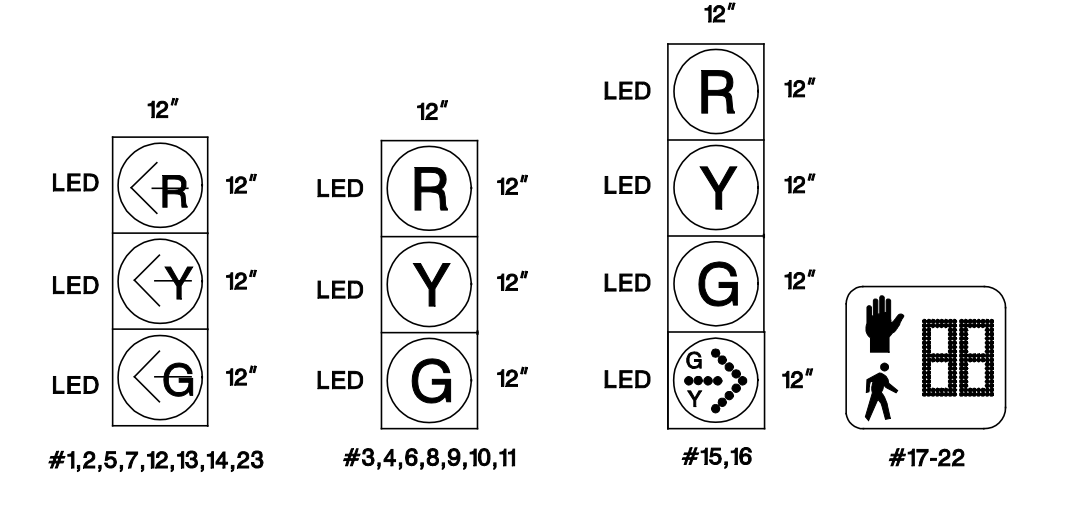
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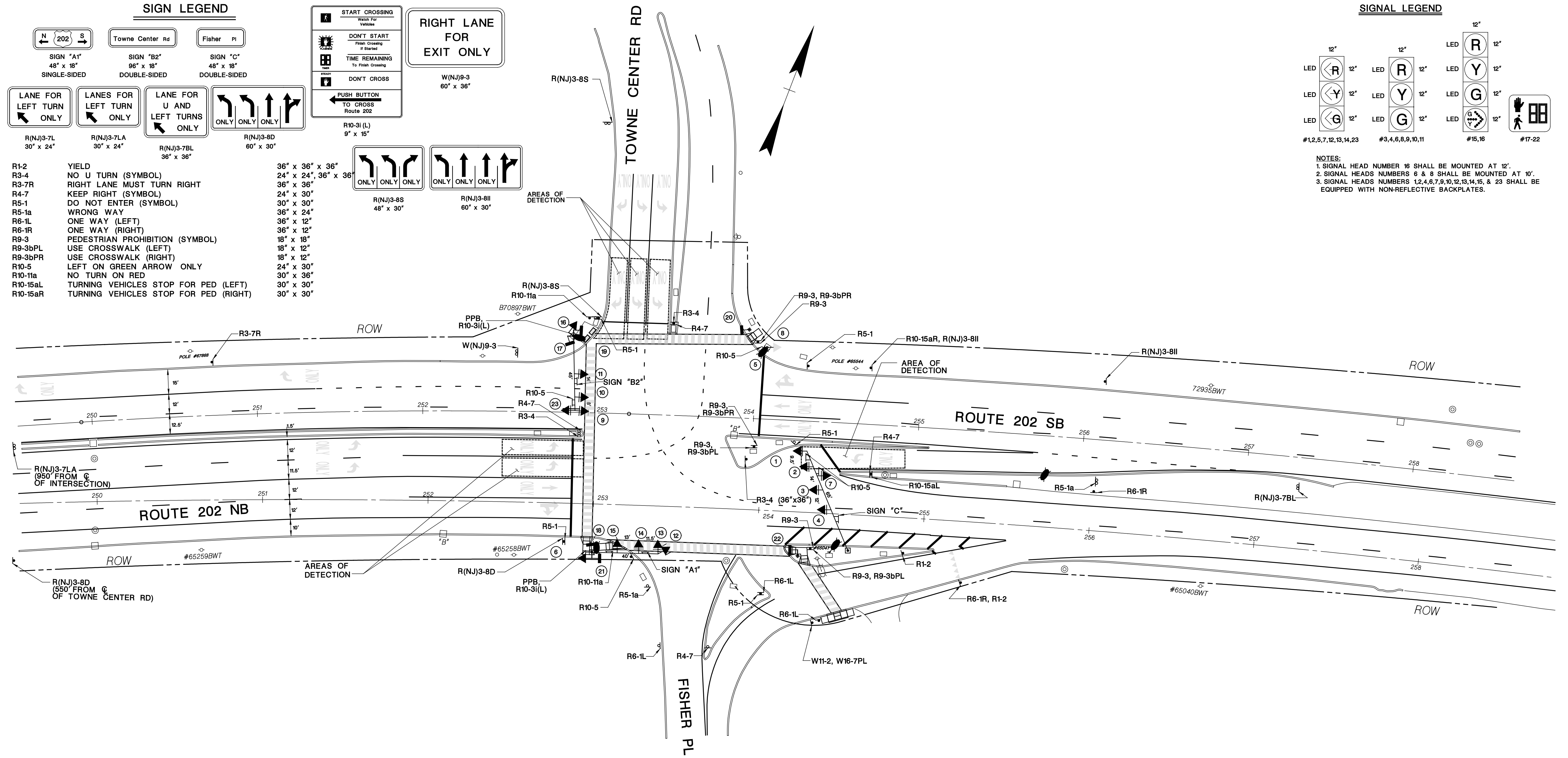
- R1-2 YIELD 36" x 36" x 36"
- R3-4 NO U TURN (SYMBOL) 24" x 24", 36" x 36"
- R3-7R RIGHT LANE MUST TURN RIGHT 36" x 36"
- R4-7 KEEP RIGHT (SYMBOL) 24" x 30"
- R5-1 DO NOT ENTER (SYMBOL) 30" x 30"
- R5-1a WRONG WAY 36" x 24"
- R6-1L ONE WAY (LEFT) 36" x 12"
- R6-1R ONE WAY (RIGHT) 36" x 12"
- R9-3 PEDESTRIAN PROHIBITION (SYMBOL) 18" x 18"
- R9-3bPL USE CROSSWALK (LEFT) 18" x 12"
- R9-3bPR USE CROSSWALK (RIGHT) 18" x 12"
- R10-5 LEFT ON GREEN ARROW ONLY 24" x 30"
- R10-11a NO TURN ON RED 30" x 36"
- R10-15aL TURNING VEHICLES STOP FOR PED (LEFT) 30" x 30"
- R10-15aR TURNING VEHICLES STOP FOR PED (RIGHT) 30" x 30"



**SIGNAL LEGEND**



- NOTES:**
- SIGNAL HEAD NUMBER 16 SHALL BE MOUNTED AT 12'.
  - SIGNAL HEADS NUMBERS 6 & 8 SHALL BE MOUNTED AT 10'.
  - SIGNAL HEADS NUMBERS 1,2,4,6,7,9,10,12,13,14,15, & 23 SHALL BE EQUIPPED WITH NON-REFLECTIVE BACKPLATES.



NEW JERSEY DEPARTMENT OF TRANSPORTATION  
BUREAU OF TRAFFIC ENGINEERING  
TRAFFIC SIGNAL INSTALLATION

ROUTE U.S. 202 AND TOWNE CENTER ROAD (FISHER PLACE)

MUNICIPALITY RARITAN BOROUGH COUNTY SOMERSET

DESIGN AUTHORIZED - BUREAU OF TRAFFIC ENGINEERING DATE

SUBMITTED	OD/TW	DRAWN	OD	SCALE:
CHECKED	DP	CHECKED	NB	1" = 30'
AUTHORIZED	JMO			<b>TS-3</b>

TS-3  
TS-4

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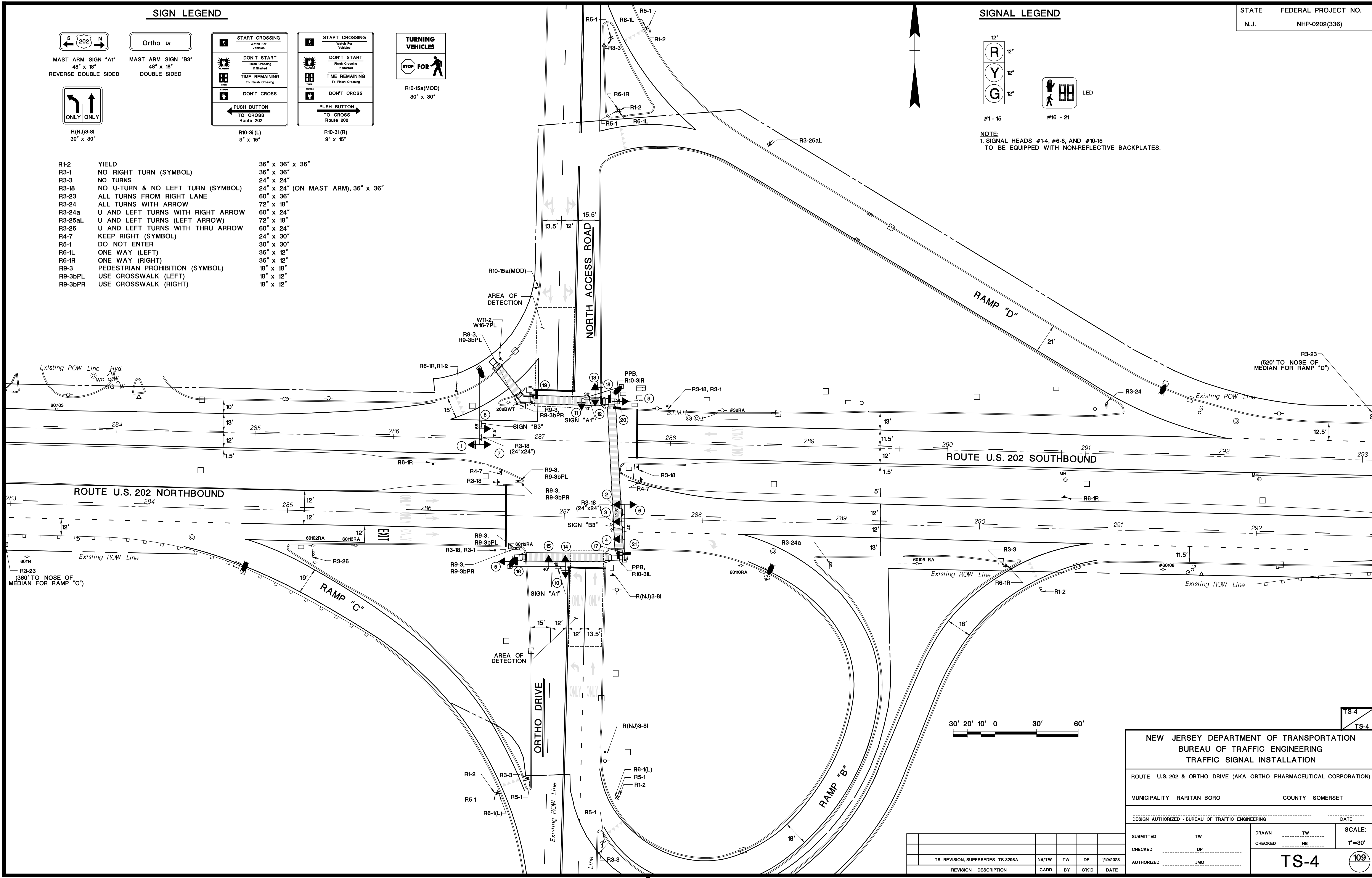
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- |         |                                   |                                    |
|---------|-----------------------------------|------------------------------------|
| R1-2    | YIELD                             | 36" x 36" x 36"                    |
| R3-1    | NO RIGHT TURN (SYMBOL)            | 36" x 36"                          |
| R3-3    | NO TURNS                          | 24" x 24"                          |
| R3-18   | NO U-TURN & NO LEFT TURN (SYMBOL) | 24" x 24" (ON MAST ARM), 36" x 36" |
| R3-23   | ALL TURNS FROM RIGHT LANE         | 60" x 36"                          |
| R3-24   | ALL TURNS WITH ARROW              | 72" x 18"                          |
| R3-24a  | U AND LEFT TURNS WITH RIGHT ARROW | 60" x 24"                          |
| R3-25aL | U AND LEFT TURNS (LEFT ARROW)     | 72" x 18"                          |
| R3-26   | U AND LEFT TURNS WITH THRU ARROW  | 60" x 24"                          |
| R4-7    | KEEP RIGHT (SYMBOL)               | 24" x 30"                          |
| R5-1    | DO NOT ENTER                      | 30" x 30"                          |
| R6-1L   | ONE WAY (LEFT)                    | 36" x 12"                          |
| R6-1R   | ONE WAY (RIGHT)                   | 36" x 12"                          |
| R9-3    | PEDESTRIAN PROHIBITION (SYMBOL)   | 18" x 18"                          |
| R9-3bPL | USE CROSSWALK (LEFT)              | 18" x 12"                          |
| R9-3bPR | USE CROSSWALK (RIGHT)             | 18" x 12"                          |

**SIGNAL LEGEND**

#1 - 15	#16 - 21

NOTE:  
1. SIGNAL HEADS #1-4, #6-8, AND #10-15  
TO BE EQUIPPED WITH NON-REFLECTIVE BACKPLATES.

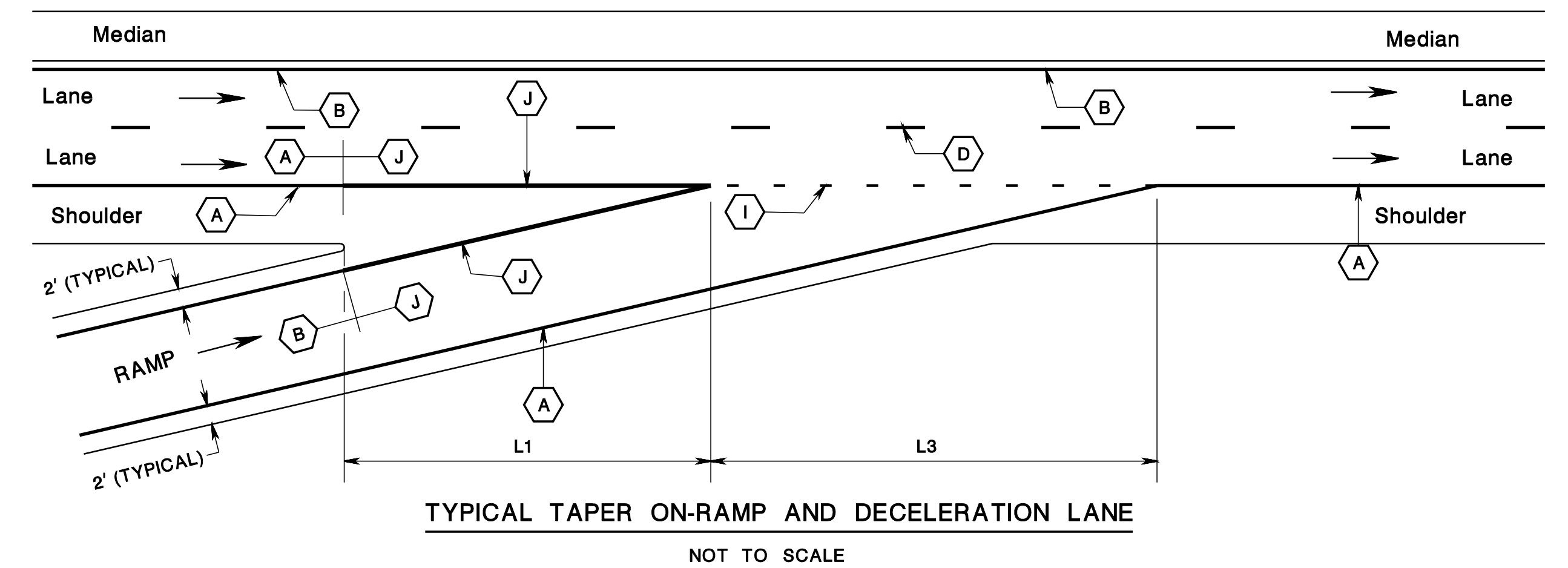
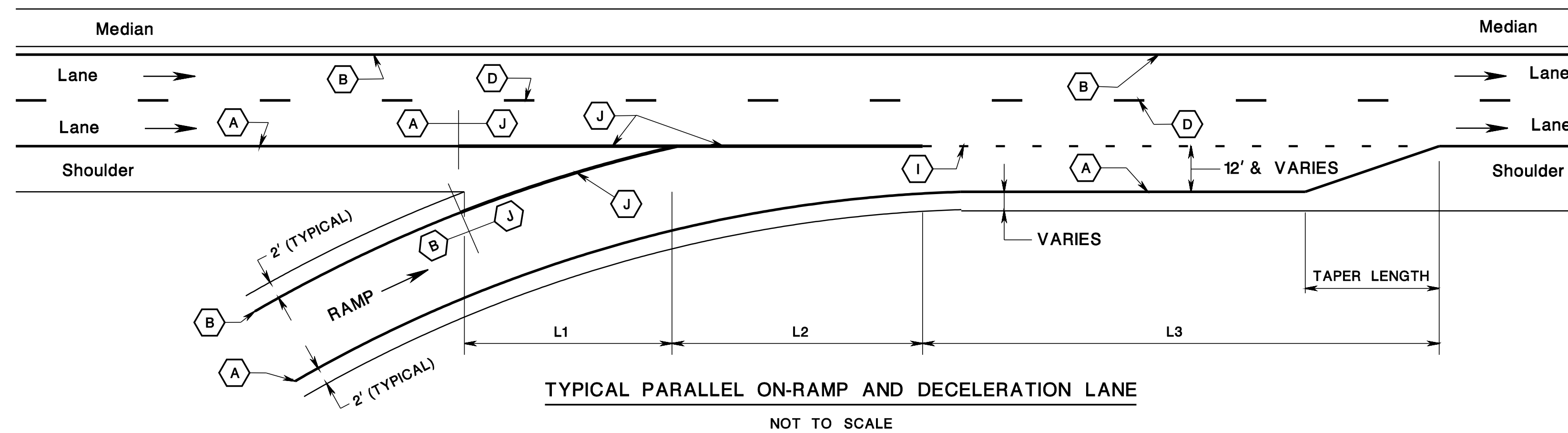
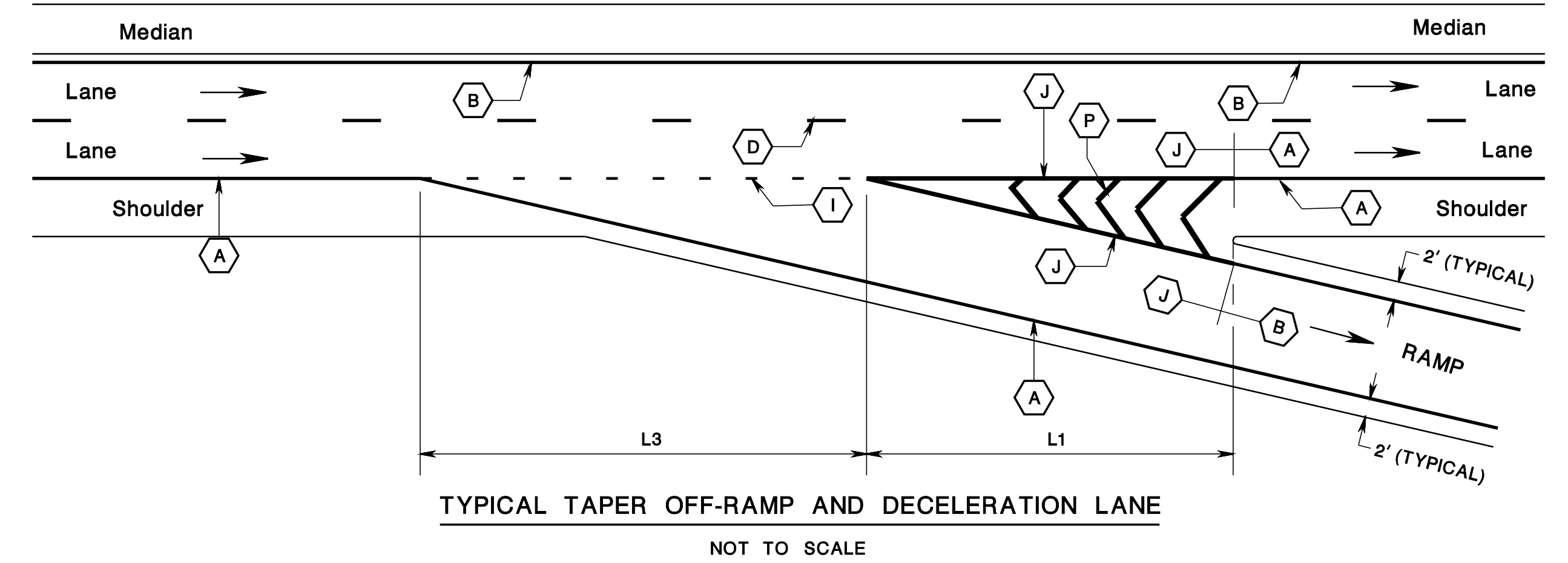
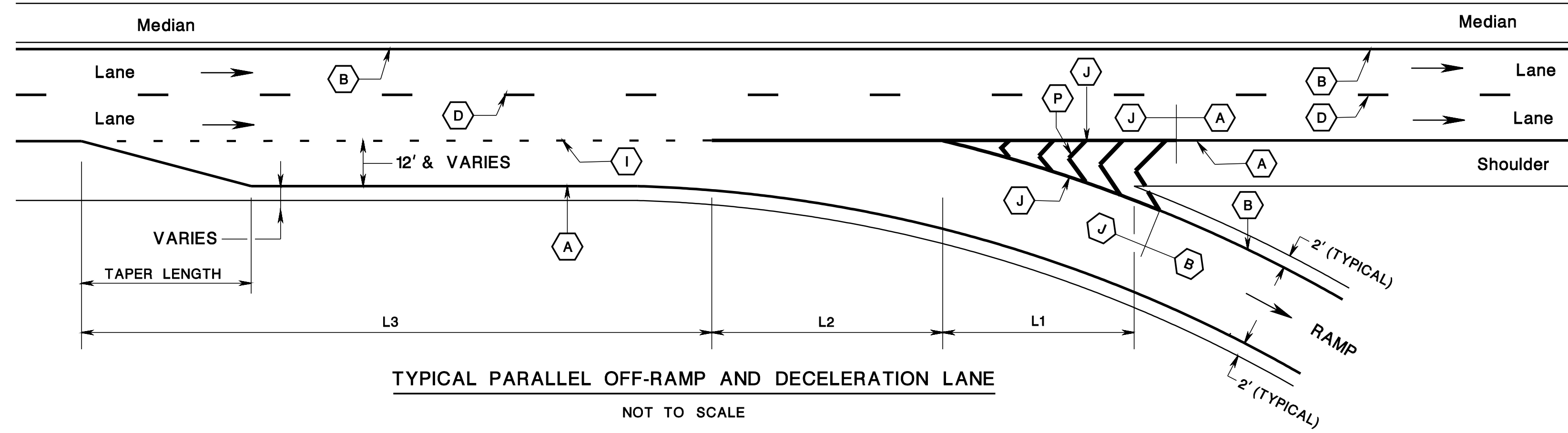


NEW JERSEY DEPARTMENT OF TRANSPORTATION BUREAU OF TRAFFIC ENGINEERING TRAFFIC SIGNAL INSTALLATION			
ROUTE U.S. 202 & ORTHO DRIVE (AKA ORTHO PHARMACEUTICAL CORPORATION)			
MUNICIPALITY RARITAN BORO		COUNTY SOMERSET	
DESIGN AUTHORIZED - BUREAU OF TRAFFIC ENGINEERING		DATE	
SUBMITTED	TW	DRAWN	TW
CHECKED	DP	CHECKED	NB
AUTHORIZED	JMO	SCALE: 1"=30'	
<b>TS-4</b>		<b>109</b>	

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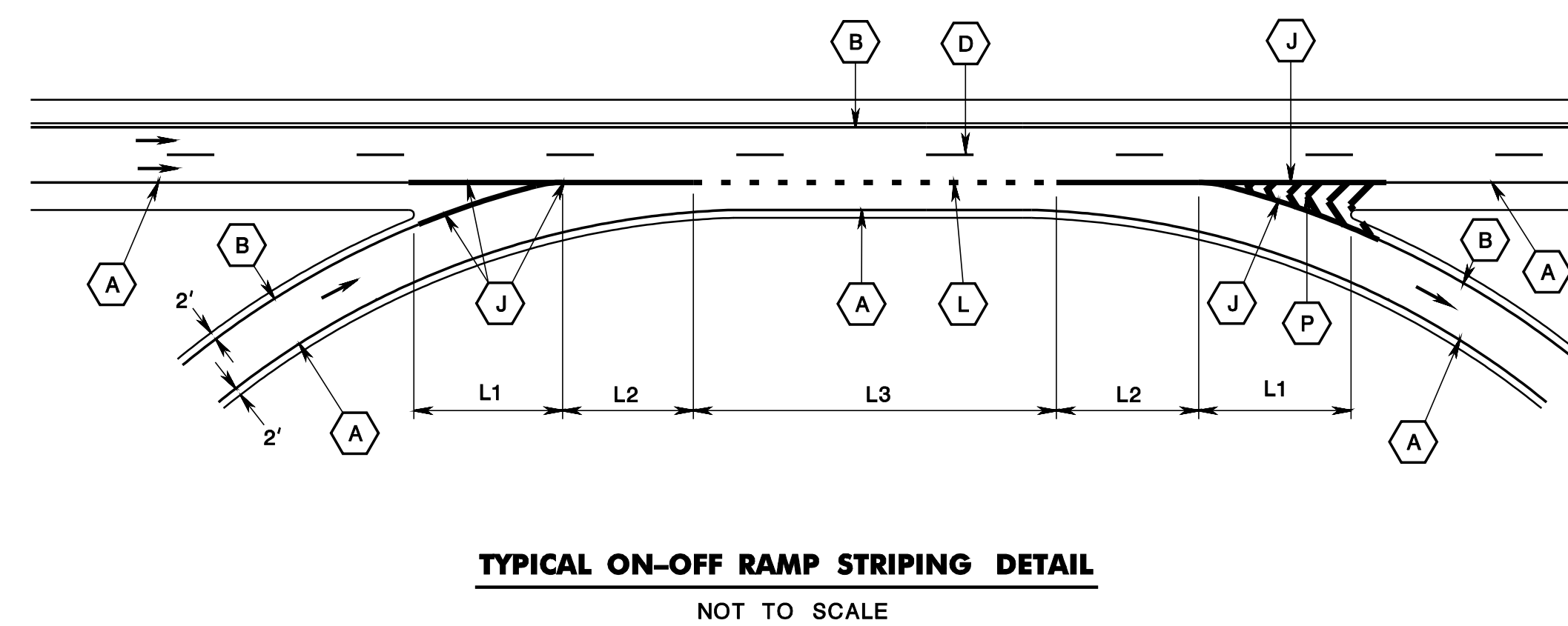
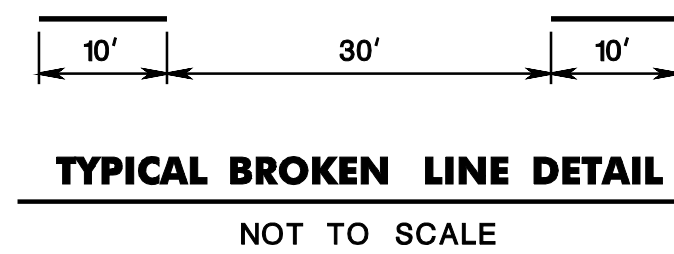
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**LEGEND**

- (A) 4" SOLID WHITE LINE
- (B) 4" SOLID YELLOW LINE
- (C) 2 - 4" SOLID YELLOW LINES
- (D) 4" BROKEN WHITE LINE
- (E) 4" BROKEN YELLOW LINE
- (F) 4" DOTTED WHITE LINE  
2' LINE WITH 6" SPACE
- (G) 4" DOTTED YELLOW LINE  
2' LINE WITH 6" SPACE
- (H) 2 - 4" DOTTED YELLOW LINES  
2' LINES WITH 6" SPACE
- (I) 4" DOTTED WHITE LINE  
3' LINE WITH 9" SPACE
- (J) 8" SOLID WHITE LINE
- (K) 8" SOLID YELLOW LINE
- (L) 8" DOTTED WHITE LINE  
3' LINE WITH 9" SPACE
- (M) 12" SOLID WHITE LINE
- (N) 24" SOLID WHITE LINE
- (O) 24" (b) x 36" (h) YIELD LINES
- (P) 24" SOLID WHITE LINES  
SPACED 12' c to c @ 45°
- (Q) 24" SOLID YELLOW LINES  
SPACED 12' c to c @ 45°



**NOTES:**

1. BEFORE THE RESURFACING OPERATION COMMENCES, THE CONTRACTOR SHOULD INVENTORY ALL SIGNS AND STRIPING AND REPLACE THEM IN KIND UNLESS SPECIFIED ON THE TRAFFIC SIGNING AND STRIPING PLANS.
2. STOP LINES AND YIELD TRIANGLES SHALL BE INSTALLED IN LINE WITH THE EXISTING STOP SIGNS AND YIELD SIGNS.
3. RAISED PAVEMENT MARKERS SHALL BE INSTALLED ON ROUTE 202 WITHIN THE PROJECT LIMIT IN ACCORDANCE WITH CD-610 OF THE 2016 ROADWAY CONSTRUCTION DETAILS.

TSS-1  
TSS-7

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNING AND STRIPING PLANS**  
ROUTE 202  
CONTRACT NO. 020223450

110

NJDOT Rightway 2D Striping/Signage

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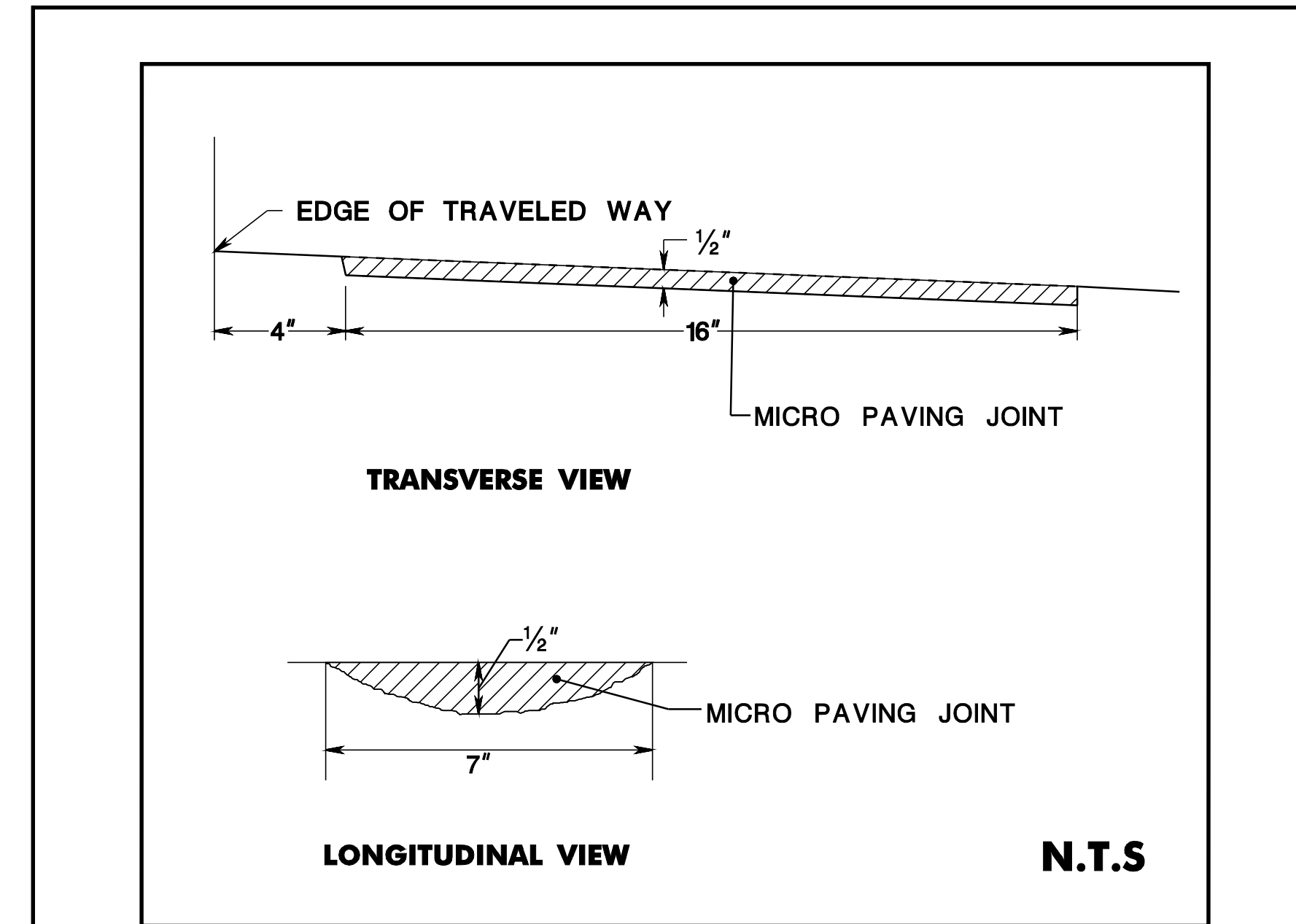
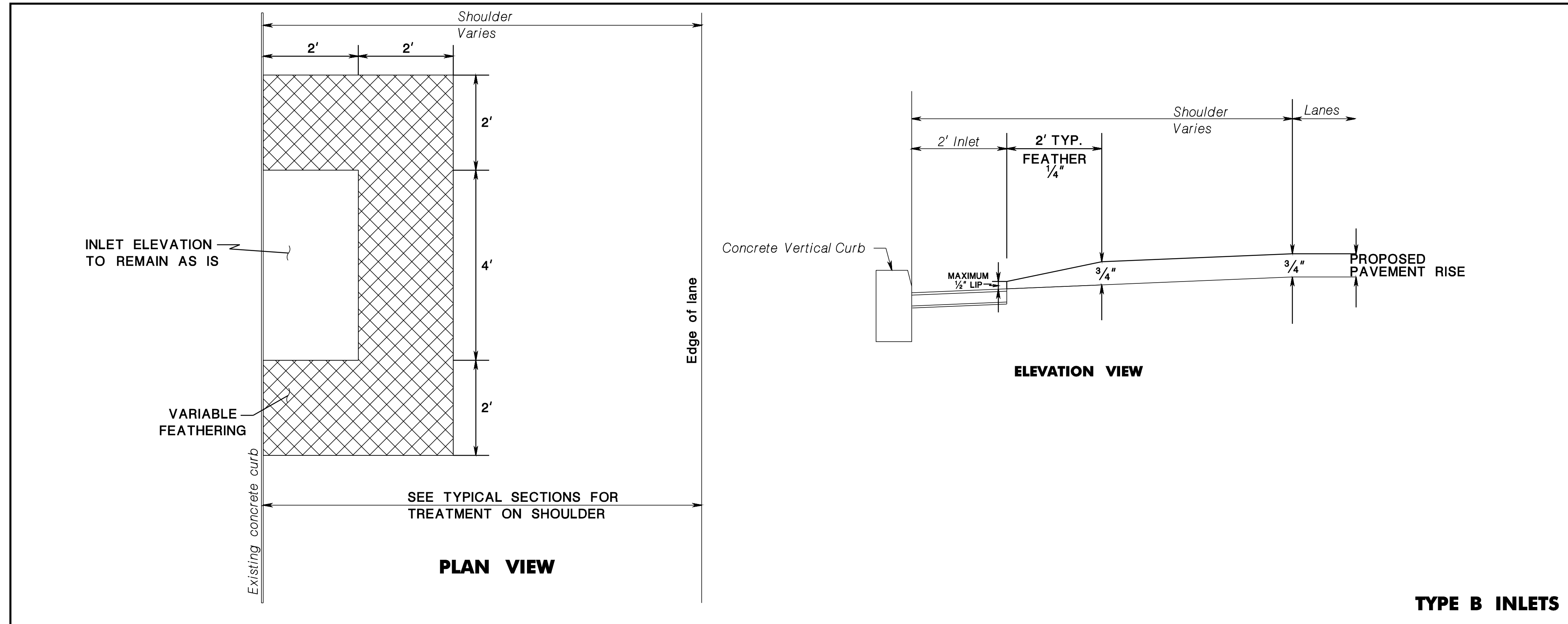












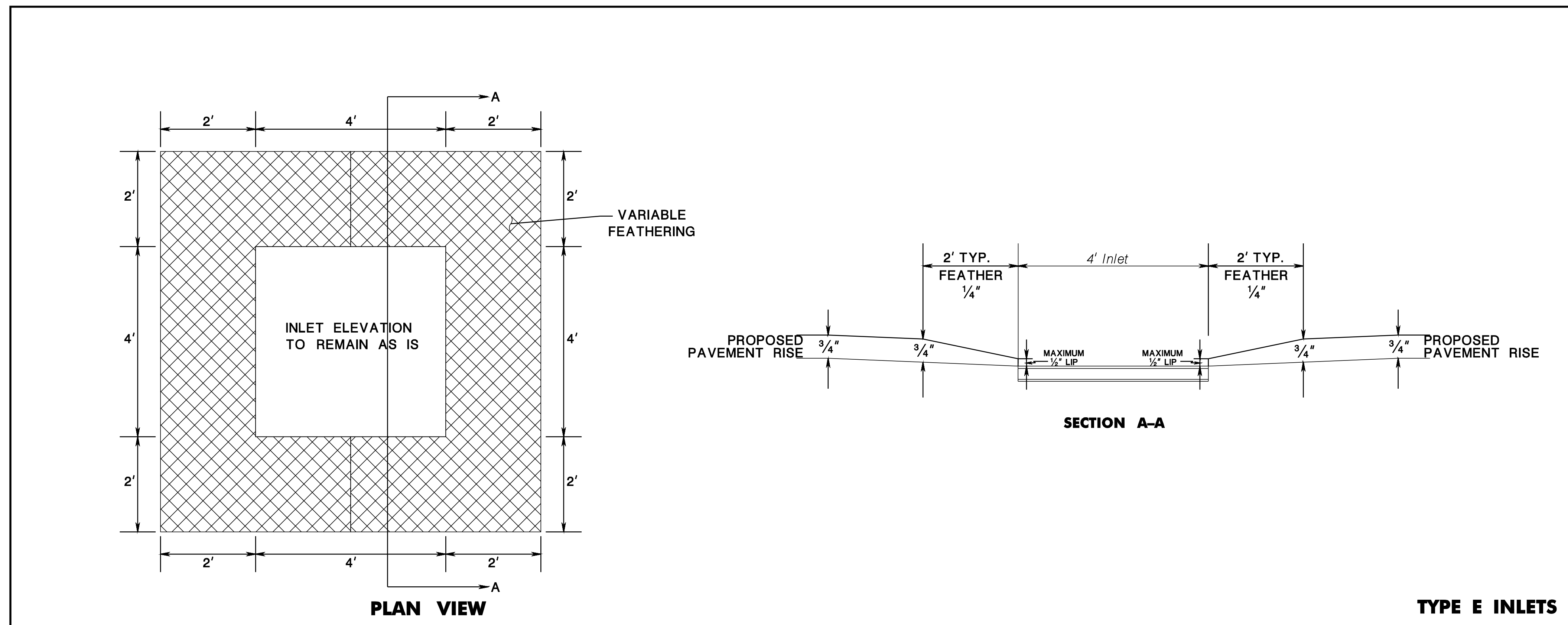
**RUMBLE STRIP FILLING DURING UTFC MICRO-MILLING**

**NOTES:**

1. PRIOR TO UTFC MICRO-MILLING, FILL ALL RUMBLE STRIPS AS SHOWN.
2. PAYMENT FOR FILLING OF ALL RUMBLE STRIPS WILL BE MADE UNDER "MICROPAVING JOINTS."

**MICRO-MILLING DETAILS**

N.T.S



NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**

ROUTE 202

CONTRACT NO. 020223450

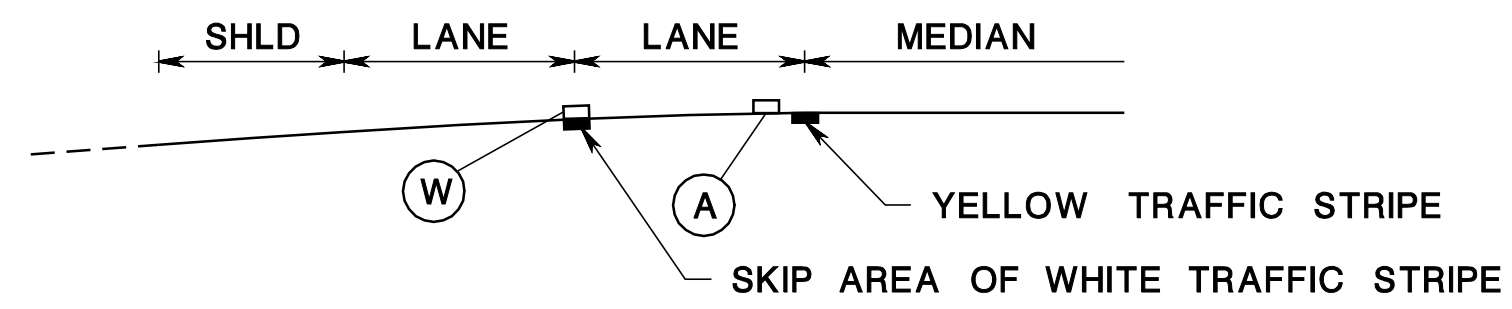
DTL-2  
DTL-4

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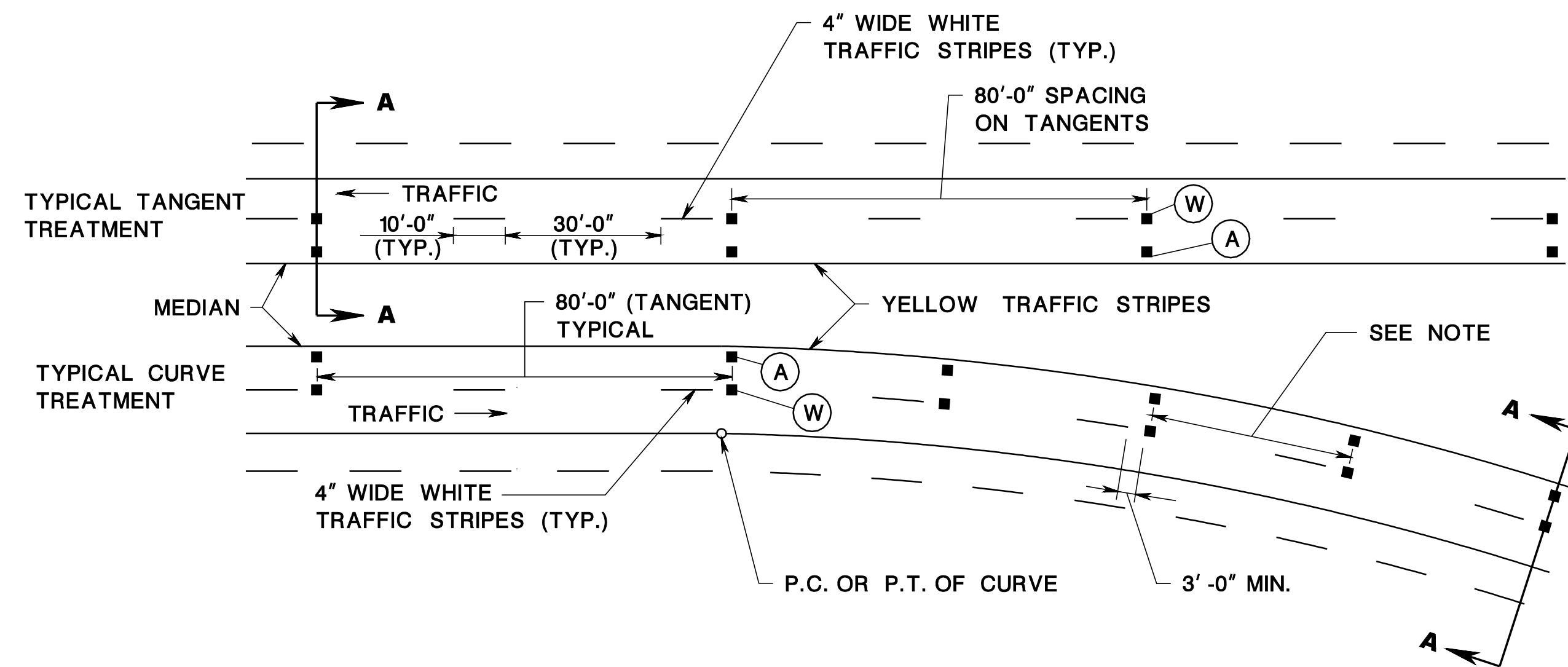
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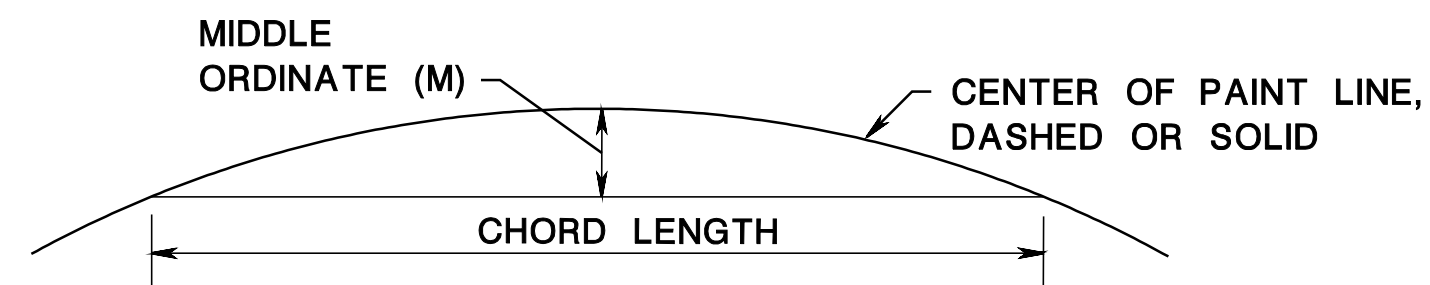
SECTION A-A (TYP.)



TYPICAL MULTI-LANE DIVIDED SECTION

**NOTE:**  
FOR SPACING ON CURVES SEE CD-610-3.3

CD-610-3.1



**NOTES:**

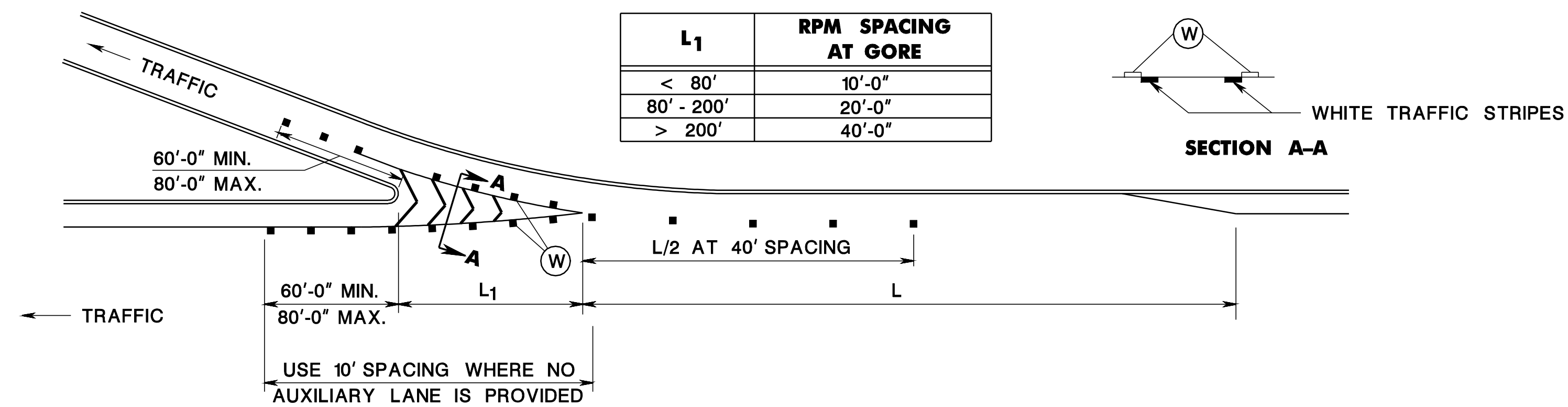
1. USE 200 FOOT TAPE.
2. ESTABLISH 200 FOOT CHORD.
3. MEASURE MIDDLE ORDINATE PERPENDICULAR TO CHORD 100 FOOT FROM EITHER END.
4. DETERMINE SPACING FROM TABLE 1.
5. WHEN DIFFICULT TO DETERMINE MIDDLE ORDINATE, 80 FOOT OR 40 FOOT SPACING WILL BE AS DIRECTED BY THE DEPARTMENT.

**METHOD FOR DETERMINING RPM SPACING ON HORIZONTAL CURVES**

CHORD LENGTH	MIDDLE ORDINATE	RADIUS	REFLECTOR SPACING
200'-0"	$M \geq 2'-7"$	$R \leq 1910'$	40'-0"
200'-0"	$M < 2'-7"$	$R > 1910'$	80'-0"

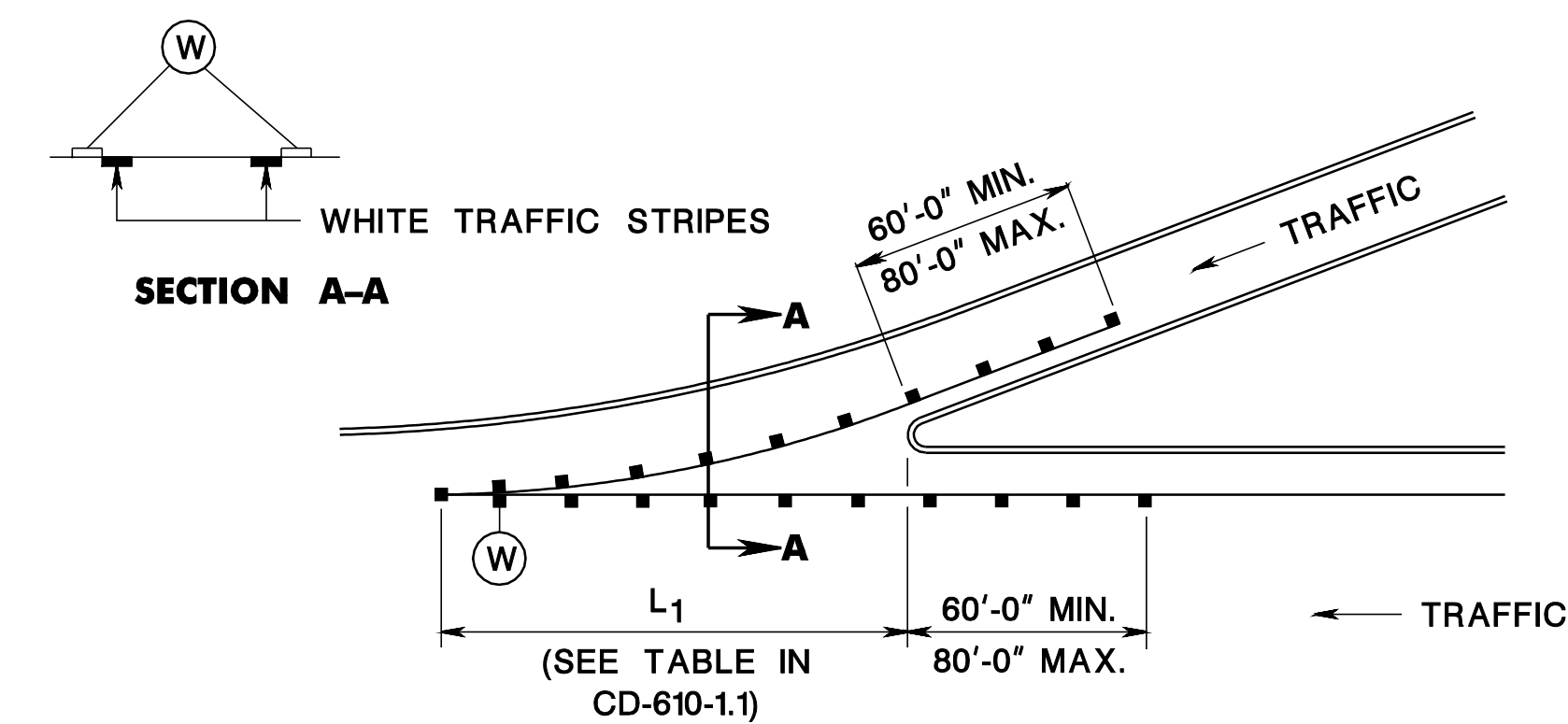
- < LESS THAN
- ≤ EQUAL TO OR LESS THAN
- > GREATER THAN
- ≥ EQUAL TO OR GREATER THAN

CD-610-3.3



TYPICAL DECELERATION LANE TREATMENT

CD-610-1.1



TYPICAL ACCELERATION LANE TREATMENT

CD-610-1.3

**LEGEND**

- (W) RPM, MONO-DIRECTIONAL WHITE LENS
- (A) RPM, MONO-DIRECTIONAL AMBER LENS
- (BA) RPM, BI-DIRECTIONAL AMBER LENS

CD-610-2.3

**RAISED PAVEMENT MARKER (RPM), LOCATION**

N.T.S.

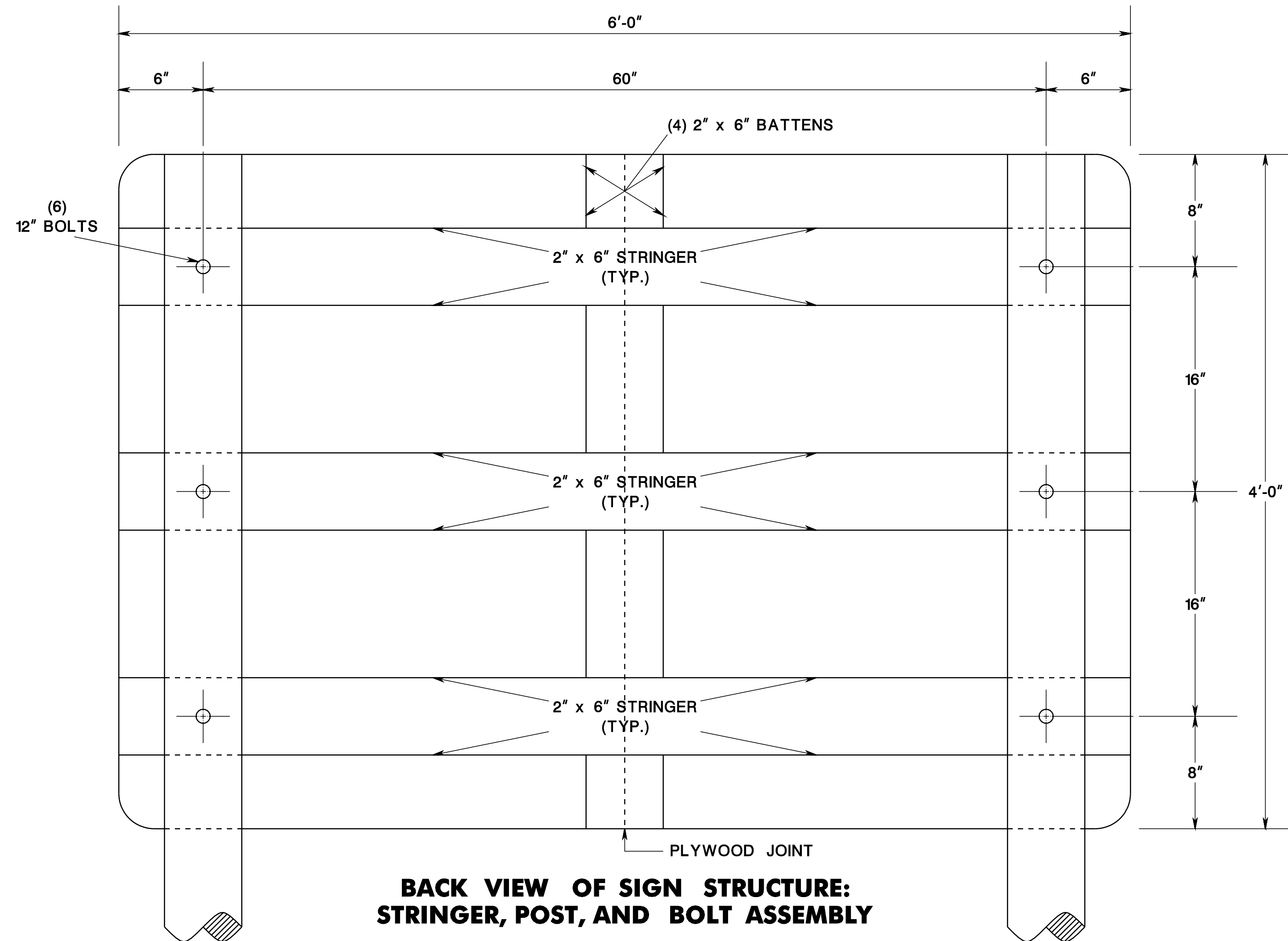
NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**

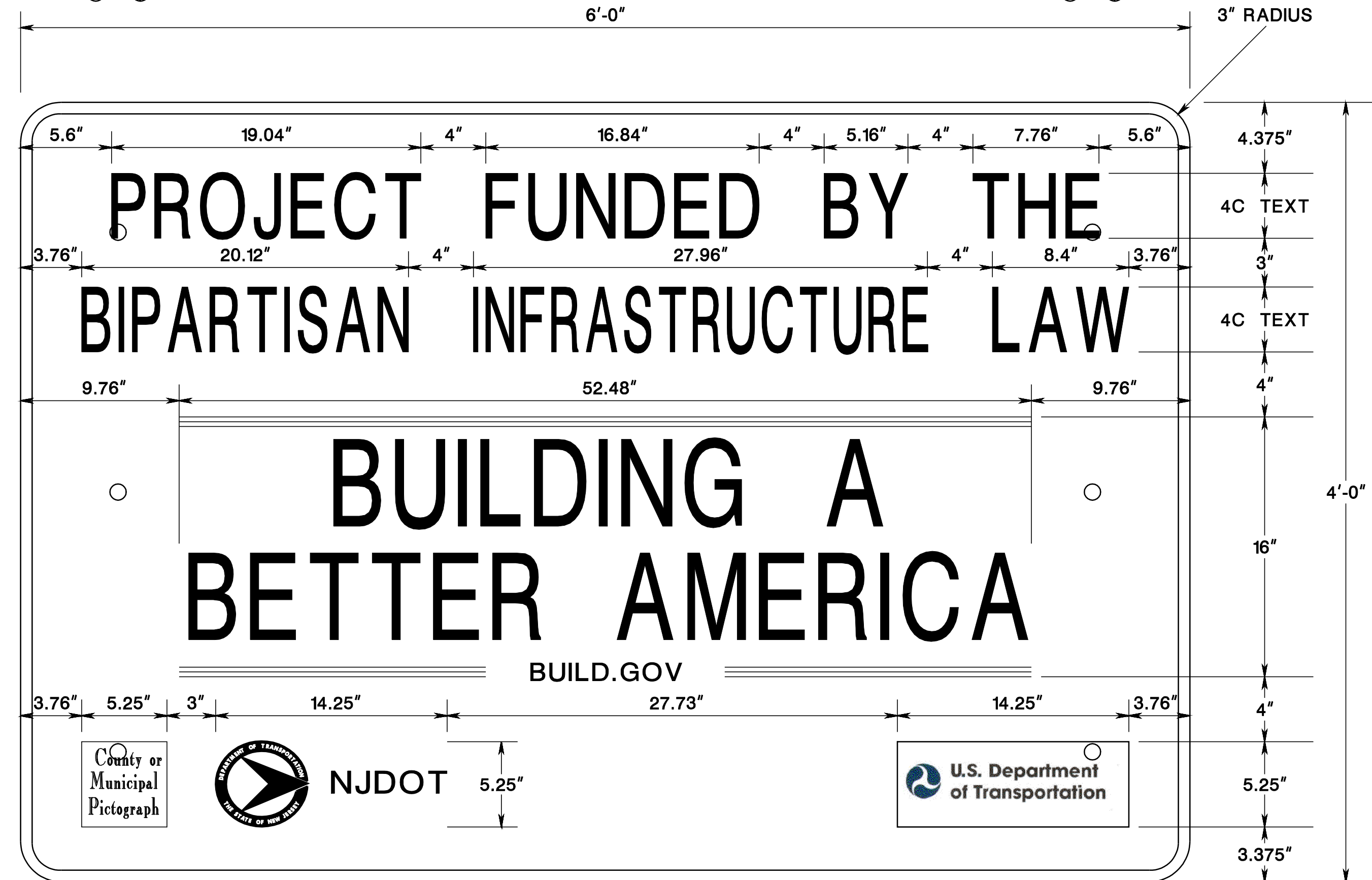
ROUTE 202

CONTRACT NO. 020223450

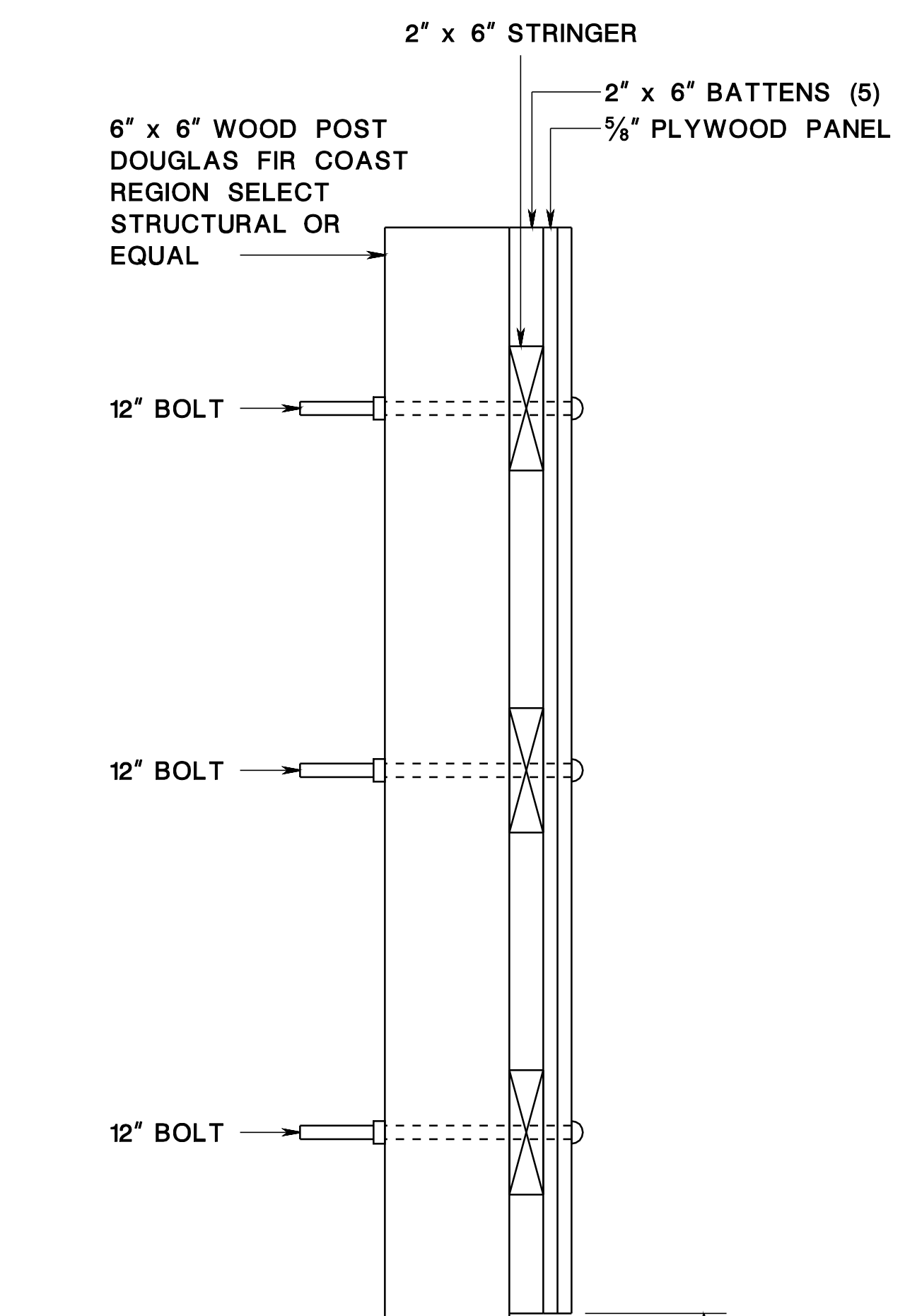




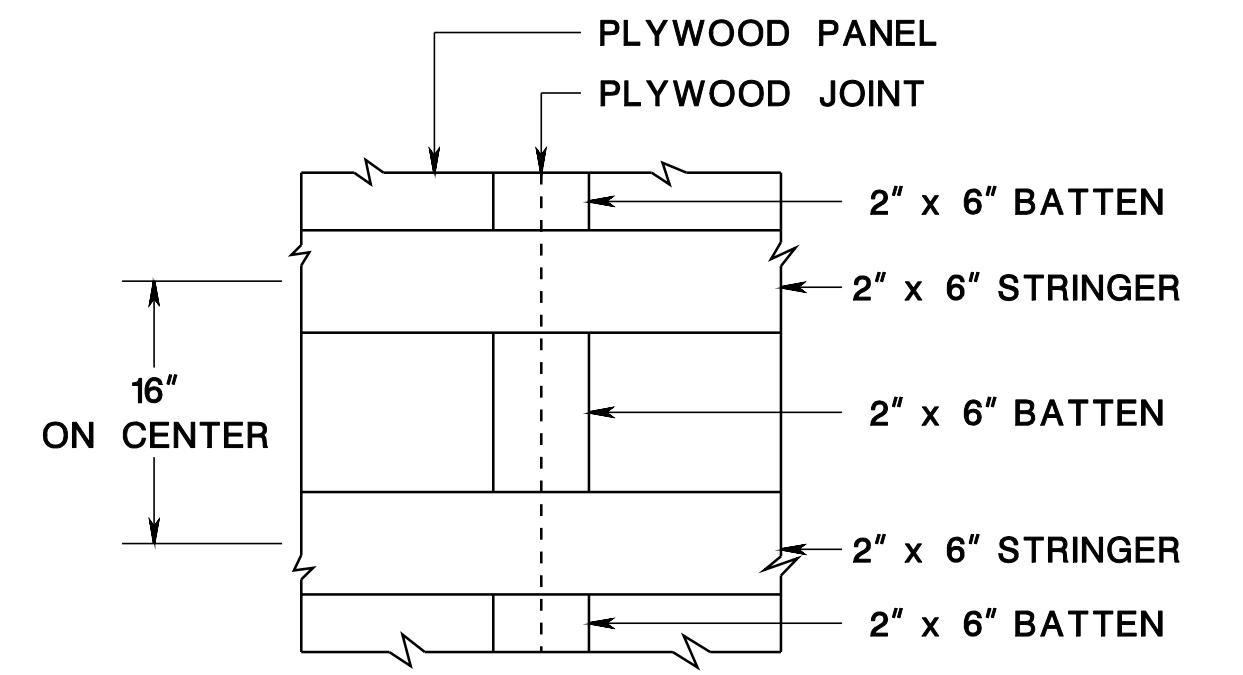
**BACK VIEW OF SIGN STRUCTURE:  
STRINGER, POST, AND BOLT ASSEMBLY**



**DETAIL OF TEXT ALIGNMENT**



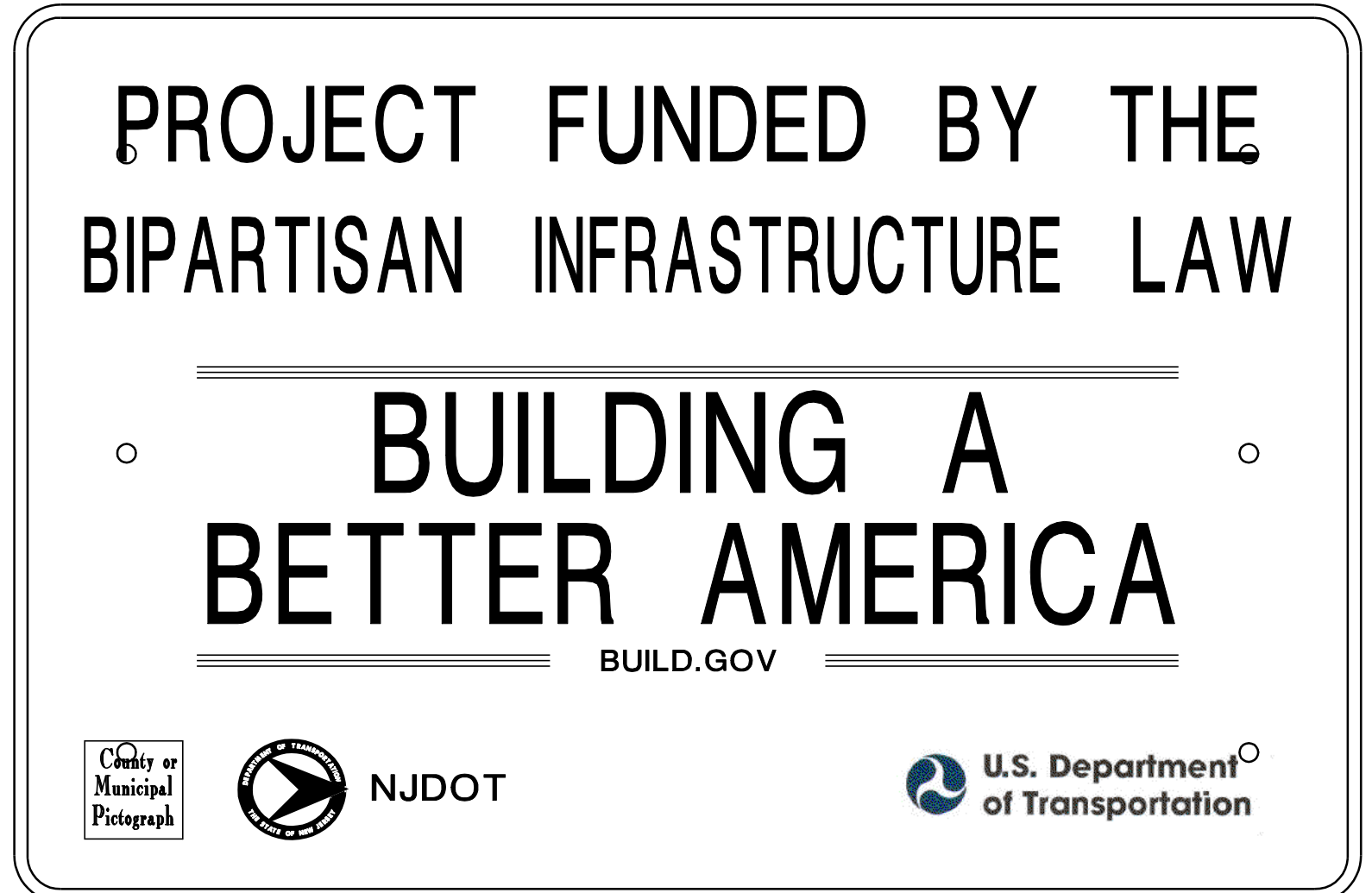
**SIDE VIEW OF SIGN STRUCTURE**



**DETAIL OF BATTEN AT PLYWOOD JOINTS**

**NOTES:**

1. USE PLYWOOD PANELS CONFORMING TO THE REQUIREMENTS FOR HIGH DENSITY OVERLAY AS SET FORTH IN COMMERCIAL STANDARD CS 45-60 FOR DOUGLAS FIR PLYWOOD AND ALL AMENDMENTS THERETO.
2. SIGNS TO BE LOCATED AS SHOWN ON PLANS OR AS DIRECTED BY THE RE.
3. COLOR: GREEN BACKGROUND WITH WHITE MESSAGE AND BORDER NOT REFLECTORIZED.
4. ON PROJECTS WITH NO COUNTY OR MUNICIPAL FUNDING, DO NOT INCLUDE THE COUNTY OR MUNICIPAL PHOTOGRAPH.
5. 6' x 4' SIGNS: SERIES "C" LETTERS = "PROJECT FUNDED BY THE..."  
8' x 5' SIGNS: SERIES "D" LETTERS = "PROJECT FUNDED BY THE..."



**IJA CONSTRUCTION IDENTIFICATION SIGN  
6'X4'**

N.T.S.

NEW JERSEY DEPARTMENT OF TRANSPORTATION

**CONSTRUCTION DETAILS**

ROUTE 202  
CONTRACT NO. 020223450

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NJDOT Roadway Design Group 2  
GIA 089 - IJA

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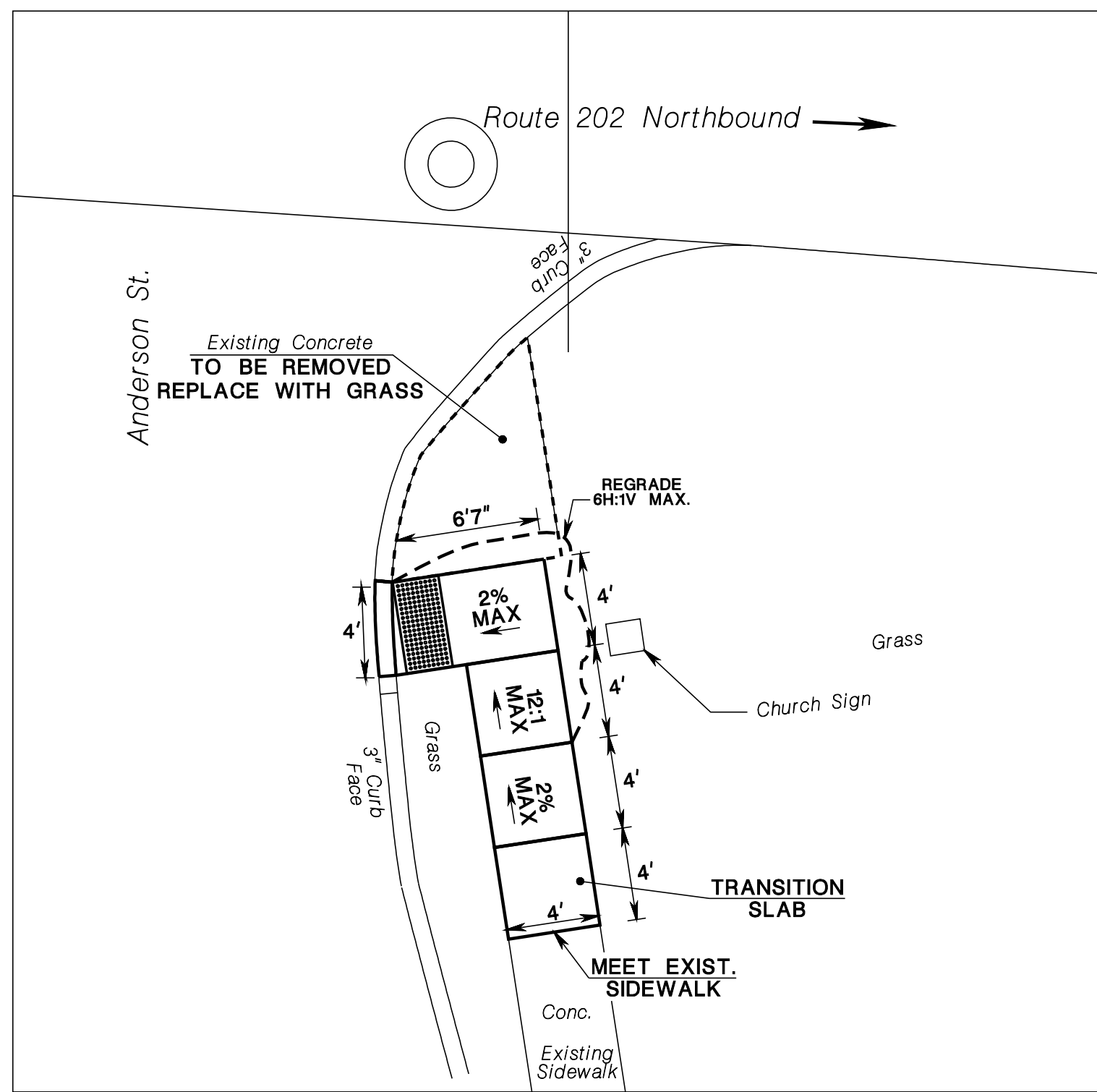




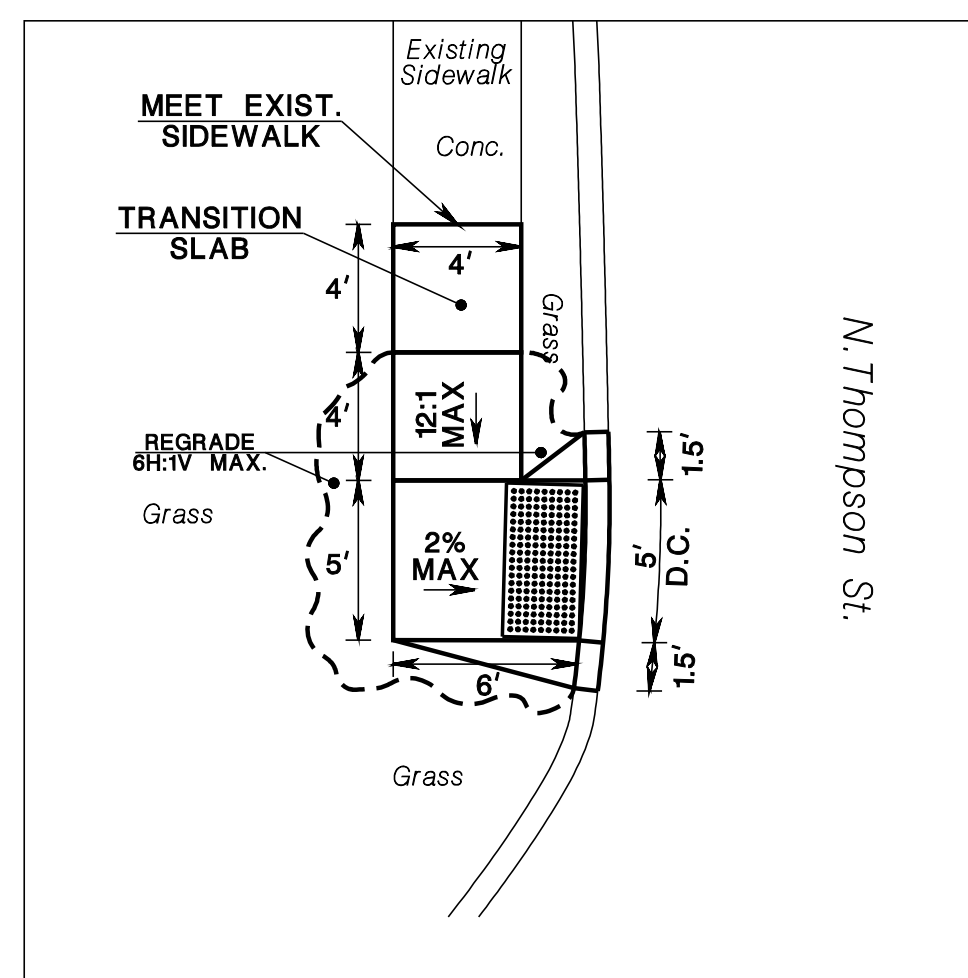




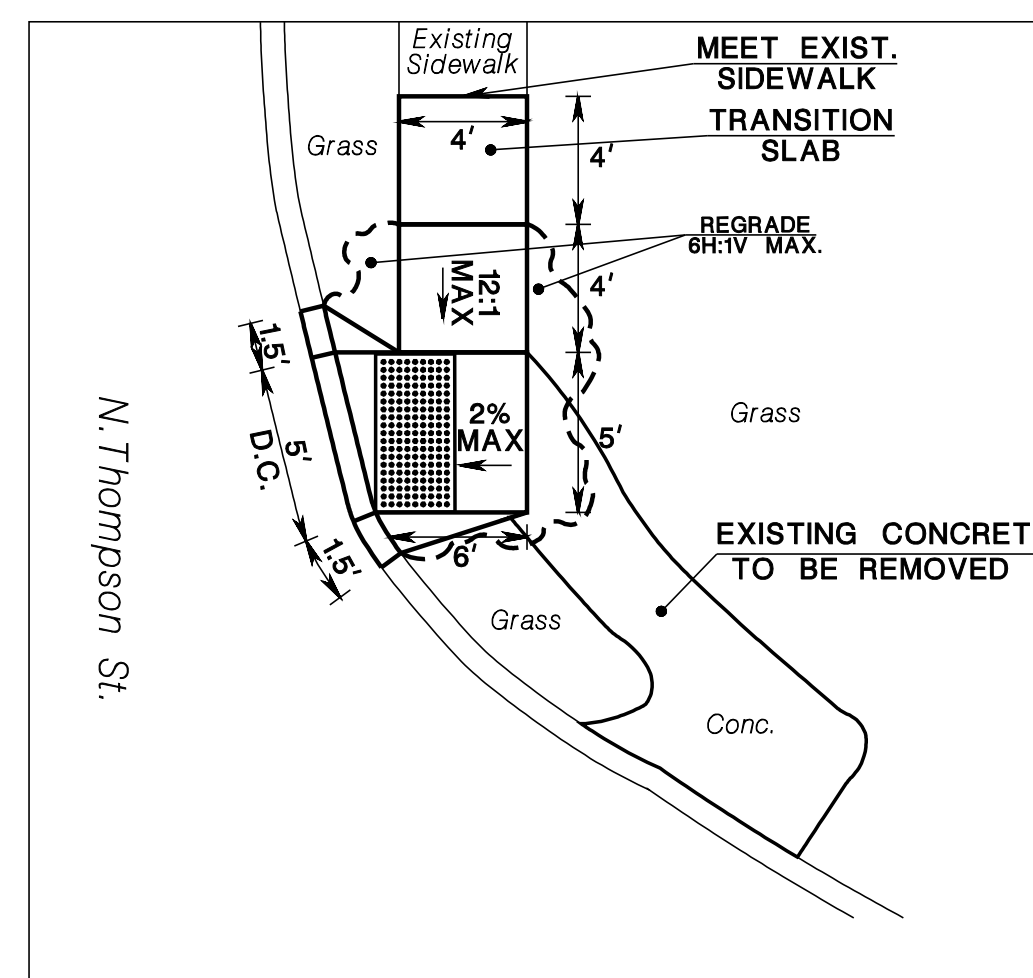




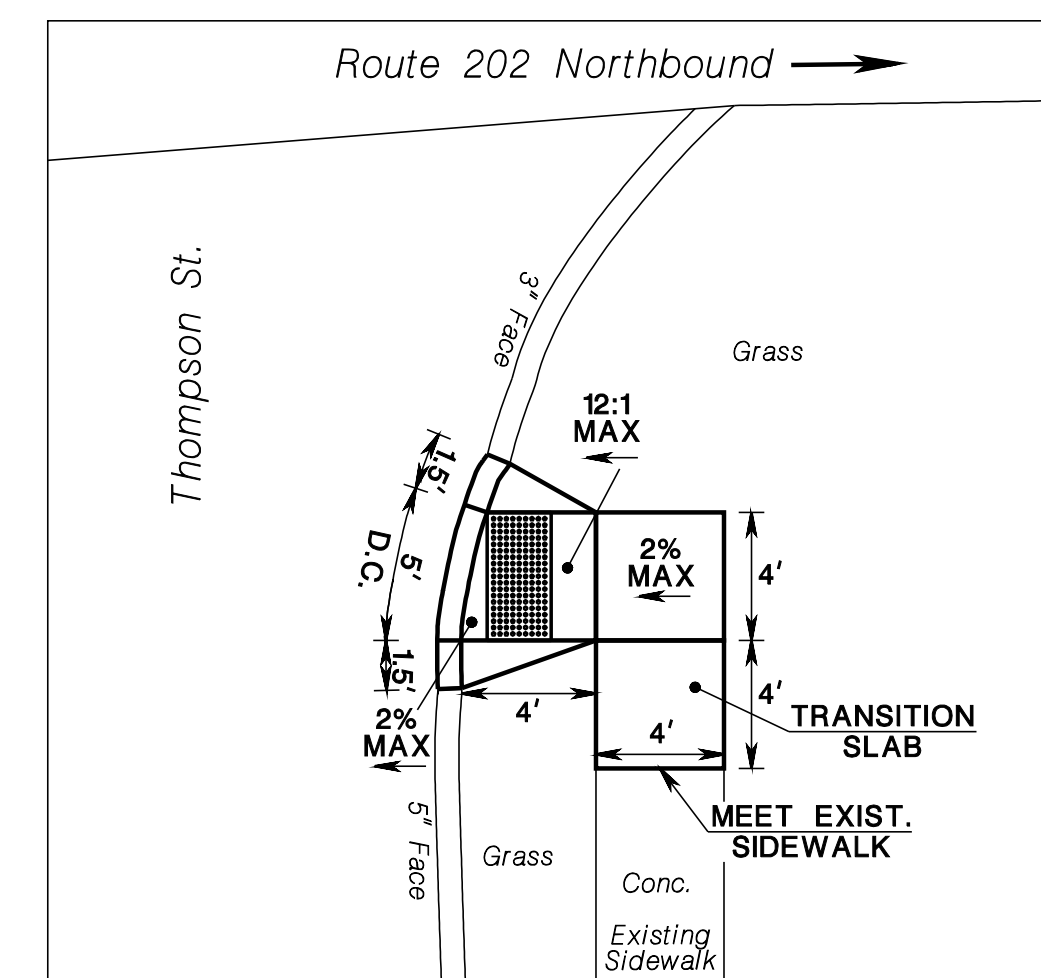
DETAIL 25.1  
MODIFIED CURB RAMP TYPE 7



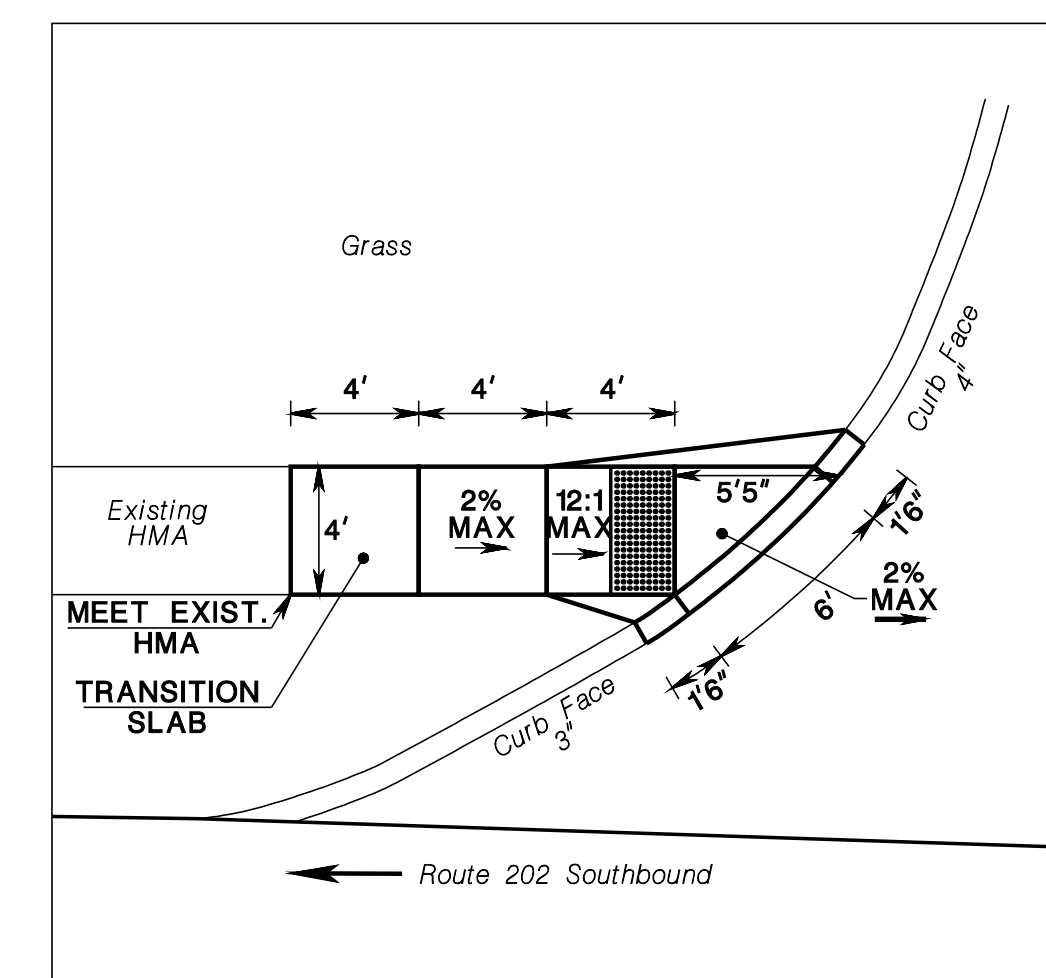
DETAIL 25.2  
CURB RAMP TYPE 7



DETAIL 25.3  
MODIFIED CURB RAMP TYPE 7



DETAIL 25.4  
CURB RAMP TYPE 2



DETAIL 29.1  
CURB RAMP TYPE 5