

# PHASING

## AREA 3 - PHASE IIA

COMPLETE THE WORK REQUIRED OF AREA 3 - PHASE IIA, STEP 1 THRU AREA 3 - PHASE III, STEP 1 IN 365 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1: UNCOVER THE OFFSITE DETOUR TRAFFIC CONTROL DEVICES SHOWN ON SHEET TMP-2D, ACTIVATE THE TEMPORARY TRAFFIC SIGNAL AT THE -L-/-Y5- INTERSECTION AND CLOSE -Y7- TO THRU TRAFFIC.

STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, INSTALL WORK ZONE PERFORMANCE PAVEMENT MARKINGS AND TEMPORARY MARKERS ON -L- IN THE PATTERNS SHOWN ON SHEETS TMP-32 AND TMP-33 AND PLACE -L- TRAFFIC INTO THE PATTERNS SHOWN ON SHEETS TMP-32 AND TMP-33. INSTALL PORTABLE CONCRETE BARRIER AND TEMPORARY CRASH CUSHIONS ALONG THE INSIDE AND OUTSIDE SHOULDER OF -L- IN THE LOCATIONS SHOWN ON SHEETS TMP-32 AND TMP-33 AND BEGIN CONSTRUCTION ON THE PROPOSED -L- INSIDE WIDENING IN THE LOCATIONS SHOWN ON SHEETS TMP-32 AND TMP-33.

CONSTRUCT PROPOSED -Y7-, INCLUDING THE PROPOSED -Y7- BRIDGE OVER -L- IN THE LOCATIONS SHOWN ON SHEET TMP-33 UP THROUGH ONE LAYER OF SURFACE COURSE.

STEP 3: COMPLETE CONSTRUCTION ON ALL ROADWAYS UP THROUGH ONE LAYER OF SURFACE COURSE REQUIRED TO OPEN THE PROPOSED -Y7- INTERCHANGE TO THE TRAFFIC PATTERNS SHOWN ON SHEETS TMP-38 THRU TMP-40.

## PHASE III

## AREA 3 - PHASE III

STEP 1: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 AND 3 OF 15, INSTALL WORK ZONE PERFORMANCE PAVEMENT MARKINGS AND TEMPORARY MARKERS ON -L-, -Y7-, -Y7RPA-, -Y7LPA-, -Y7RPC- AND -Y7LPC- IN THE PATTERNS SHOWN ON SHEETS TMP-38 THRU TMP-40 AND PLACE -L-, -Y7-, -Y7RPA-, -Y7LPA-, -Y7RPC- AND -Y7LPC- TRAFFIC INTO THE PATTERNS SHOWN ON SHEETS TMP-38 THRU TMP-40.

## AREA 1 - PHASE III

STEP 1: UPON COMPLETION OF THE WORK REQUIRED OF AREA 3 - PHASE III, PERMANENTLY CLOSE -Y5- TO THROUGH TRAFFIC AS SHOWN IN THE ROADWAY DESIGN PLANS AND REMOVE THE TEMPORARY TRAFFIC SIGNAL AT THE -L-/-Y5- INTERSECTION.

STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, INSTALL WORK ZONE PERFORMANCE PAVEMENT MARKINGS AND TEMPORARY MARKERS ON -L- IN THE PATTERN SHOWN ON SHEET TMP-37 AND PLACE -L- TRAFFIC INTO THE PATTERN SHOWN ON SHEET TMP-37. INSTALL PORTABLE CONCRETE BARRIER AND TEMPORARY CRASH CUSHIONS ALONG THE INSIDE SHOULDER OF -L- IN THE LOCATIONS SHOWN ON SHEET TMP-37 AND BEGIN CONSTRUCTION ON THE PROPOSED -L- INSIDE WIDENING IN THE LOCATIONS SHOWN ON SHEET TMP-37.

## AREA 2 - PHASE III

STEP 1: COMPLETE CONSTRUCTION ON ALL ROADWAYS UP THROUGH ONE LAYER OF SURFACE COURSE REQUIRED TO OPEN -L- AND THE PROPOSED -Y7- INTERCHANGE TO THE TRAFFIC PATTERNS SHOWN ON SHEETS TMP-40 THRU TMP-43.

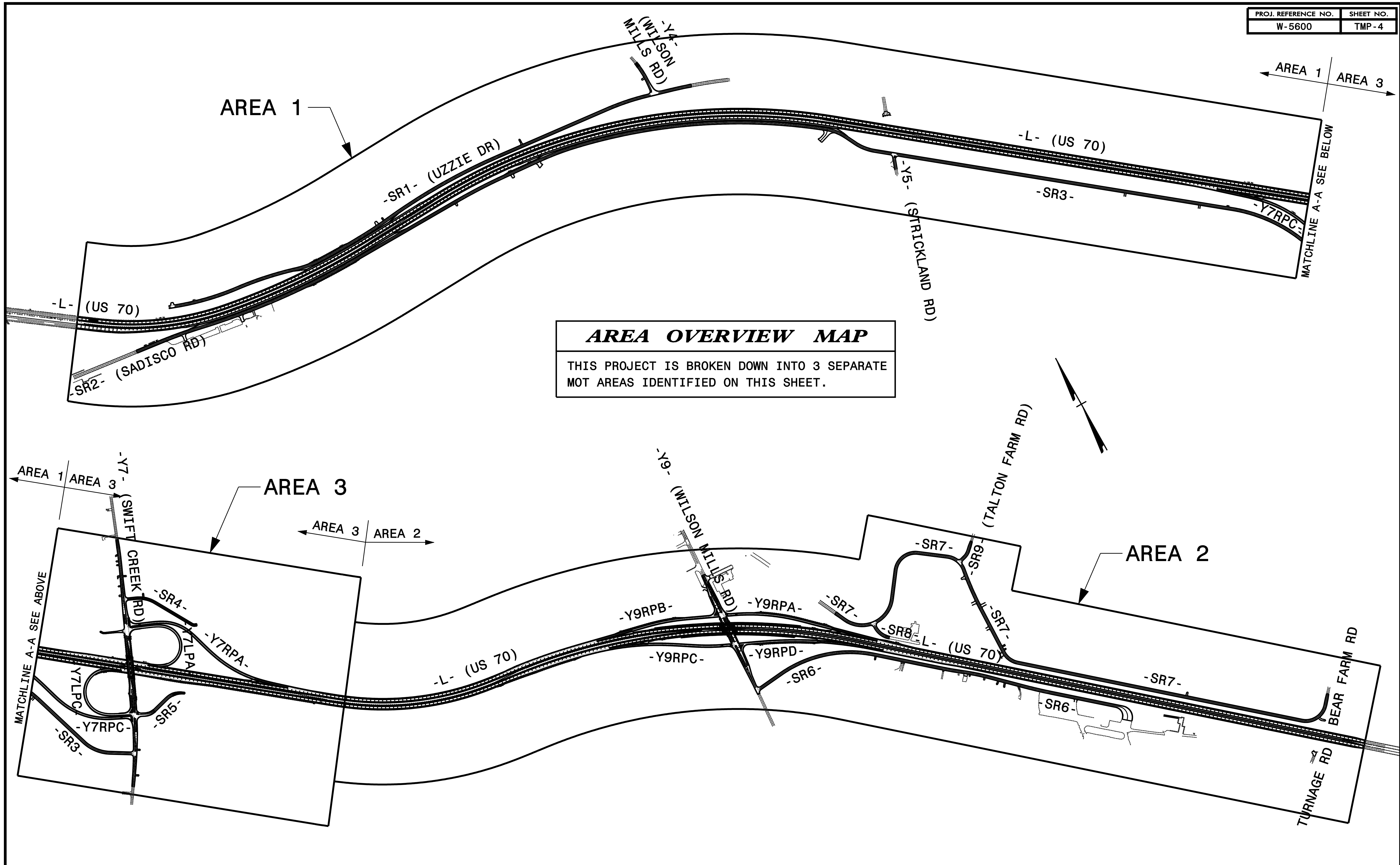
STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 AND 3 OF 15, INSTALL WORK ZONE PERFORMANCE PAVEMENT MARKINGS AND TEMPORARY MARKERS ON -L-, -Y7-, -Y7RPA-, -Y7LPA-, -Y7RPC- AND -Y7LPC- IN THE PATTERNS SHOWN ON SHEETS TMP-40 THRU TMP-43 AND PLACE -L-, -Y7-, -Y7RPA-, -Y7LPA-, -Y7RPC- AND -Y7LPC- TRAFFIC INTO THE PATTERNS SHOWN ON SHEETS TMP-40 THRU TMP-43.

## ALL AREAS - PHASE IV

STEP 1: COMPLETE CONSTRUCTION UP THROUGH ONE LAYER OF SURFACE COURSE ON ALL ROADWAYS WITHIN THE PROJECT LIMITS.


STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1 AND 3 OF 15, PLACE THE FINAL LAYER OF SURFACE COURSE AND INSTALL THE FINAL PAVEMENT MARKINGS, MARKERS AND SIGNING ON ALL ROADWAYS WITHIN THE PROJECT LIMITS. REMOVE ALL TRAFFIC CONTROL DEVICES.

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<p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>					




**AREA OVERVIEW MAP**

THIS PROJECT IS BROKEN DOWN INTO 3 SEPARATE MOT AREAS IDENTIFIED ON THIS SHEET.


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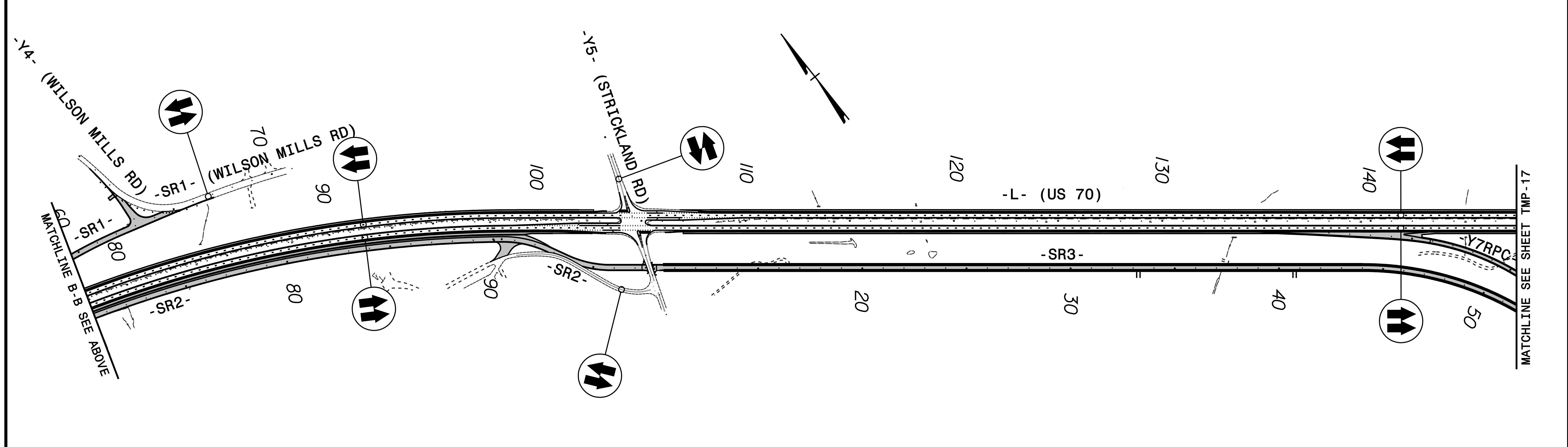
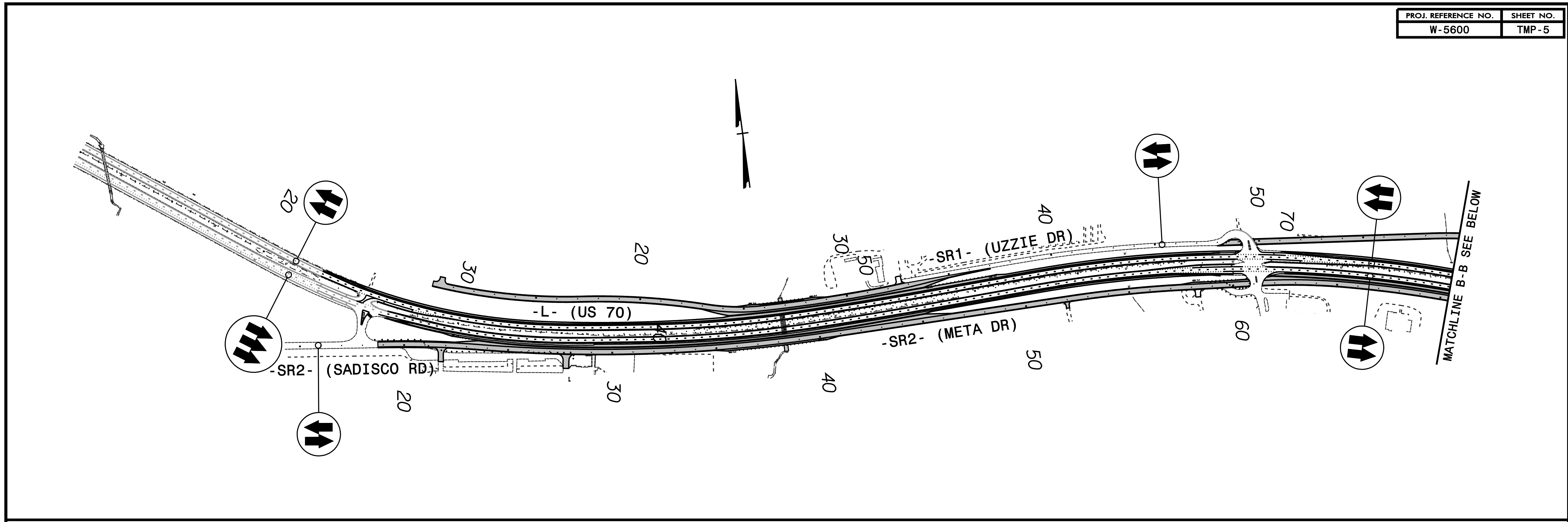
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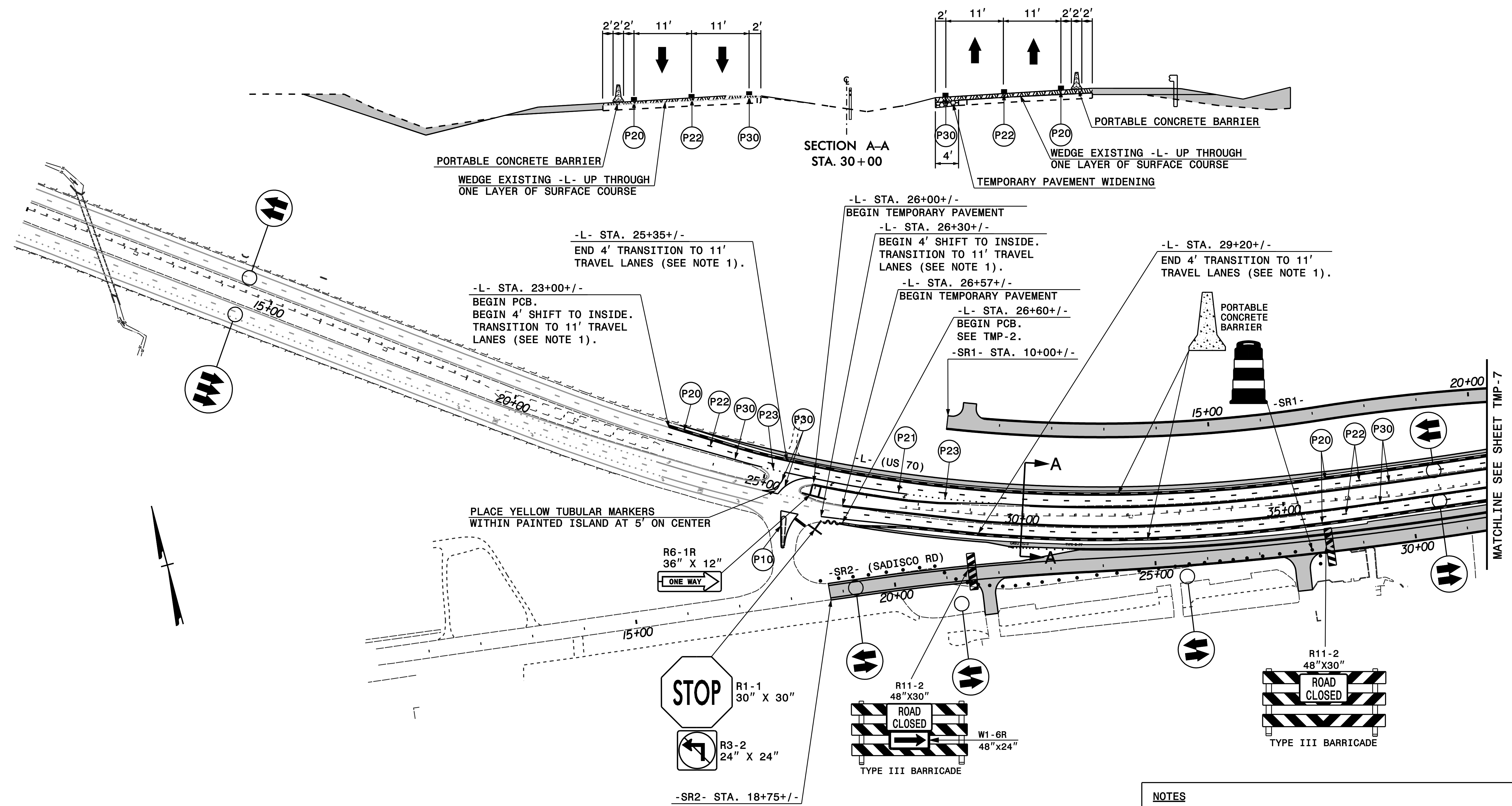
**TRANSPORTATION  
 MANAGEMENT PLAN  
 AREA OVERVIEW MAP**





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		<p>SEAL</p> 	





- NOTES**
- ENGINEER WILL PROVIDE CONTRACTOR WITH THE TMP CAD FILES TO BE UTILIZED FOR LAYING OUT TEMPORARY PAVEMENT WIDTHS, TEMPORARY PAVEMENT MARKING LOCATIONS, AND PORTABLE CONCRETE BARRIER TRANSITIONS.
  - ALL PAVEMENT MARKINGS ARE EXISTING OR FROM PREVIOUS PHASE UNLESS OTHERWISE NOTED. ALL TEMPORARY LANE WIDTHS ARE 11' UNLESS OTHERWISE NOTED.

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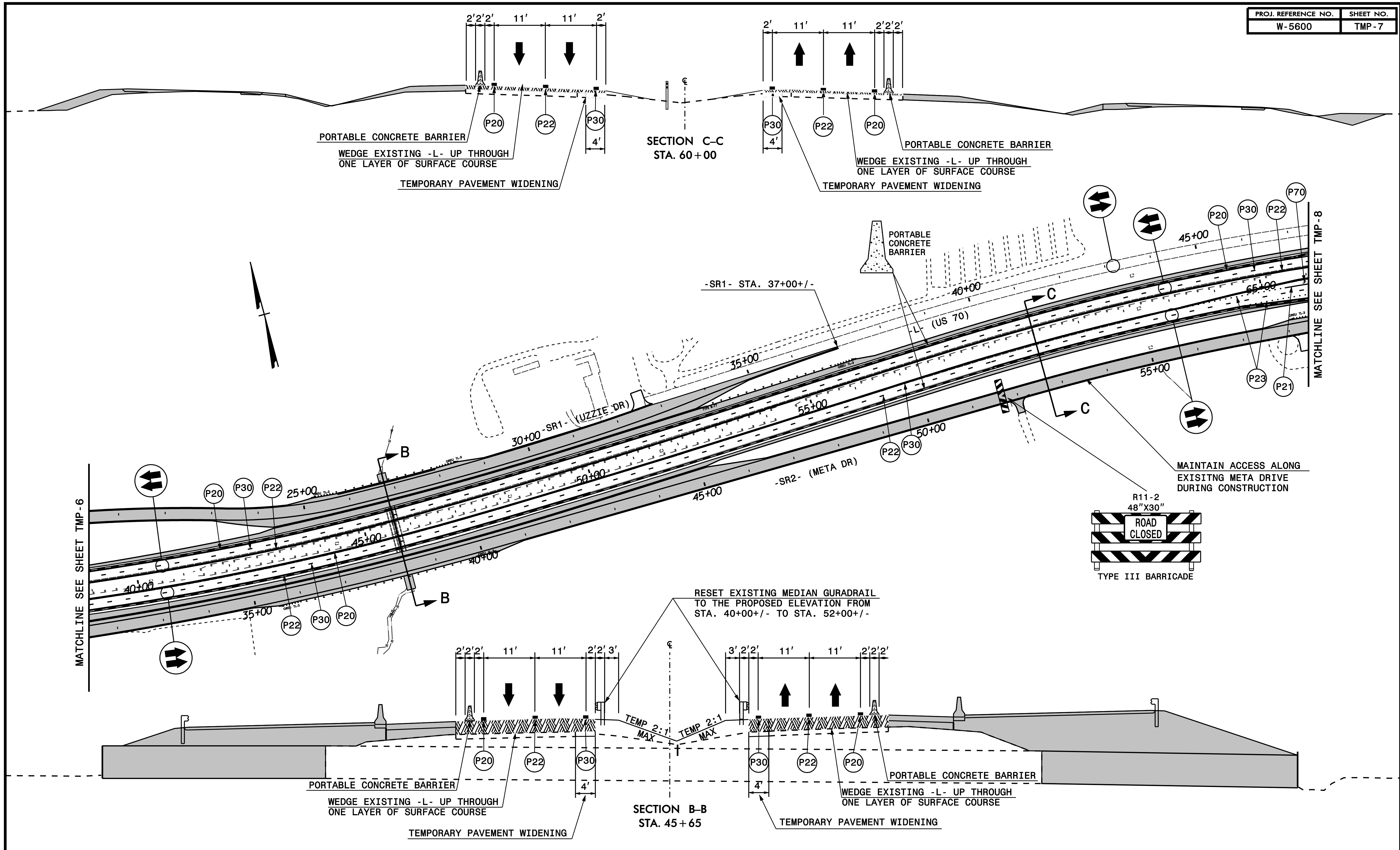
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**TRANSPORTATION MANAGEMENT PLAN**

**AREA 1 PHASE I DETAIL**





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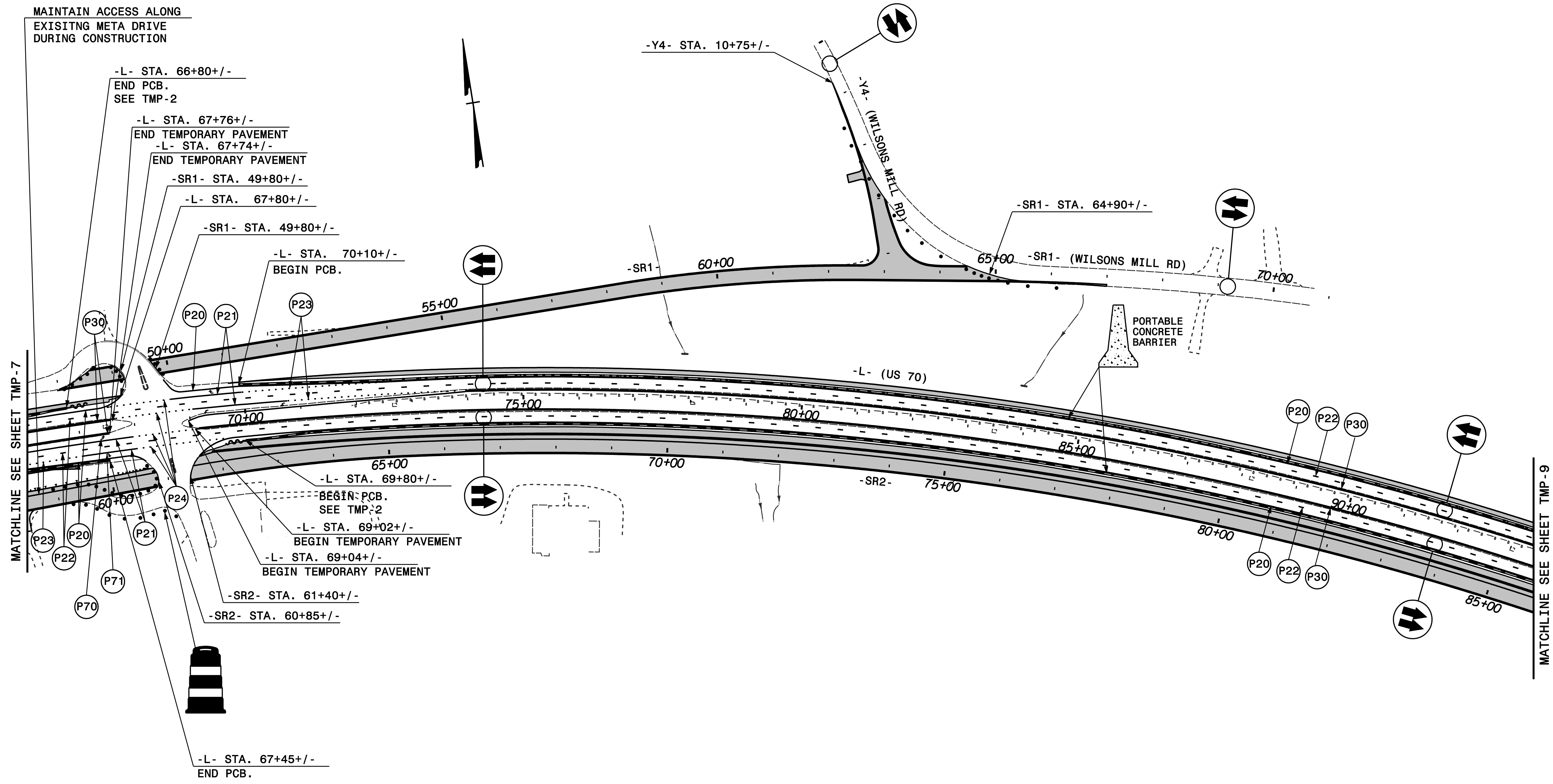
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AREA 1 PHASE I DETAIL





MAINTAIN ACCESS ALONG  
EXISTING META DRIVE  
DURING CONSTRUCTION

MATCHLINE SEE SHEET TMP-7

MATCHLINE SEE SHEET TMP-9

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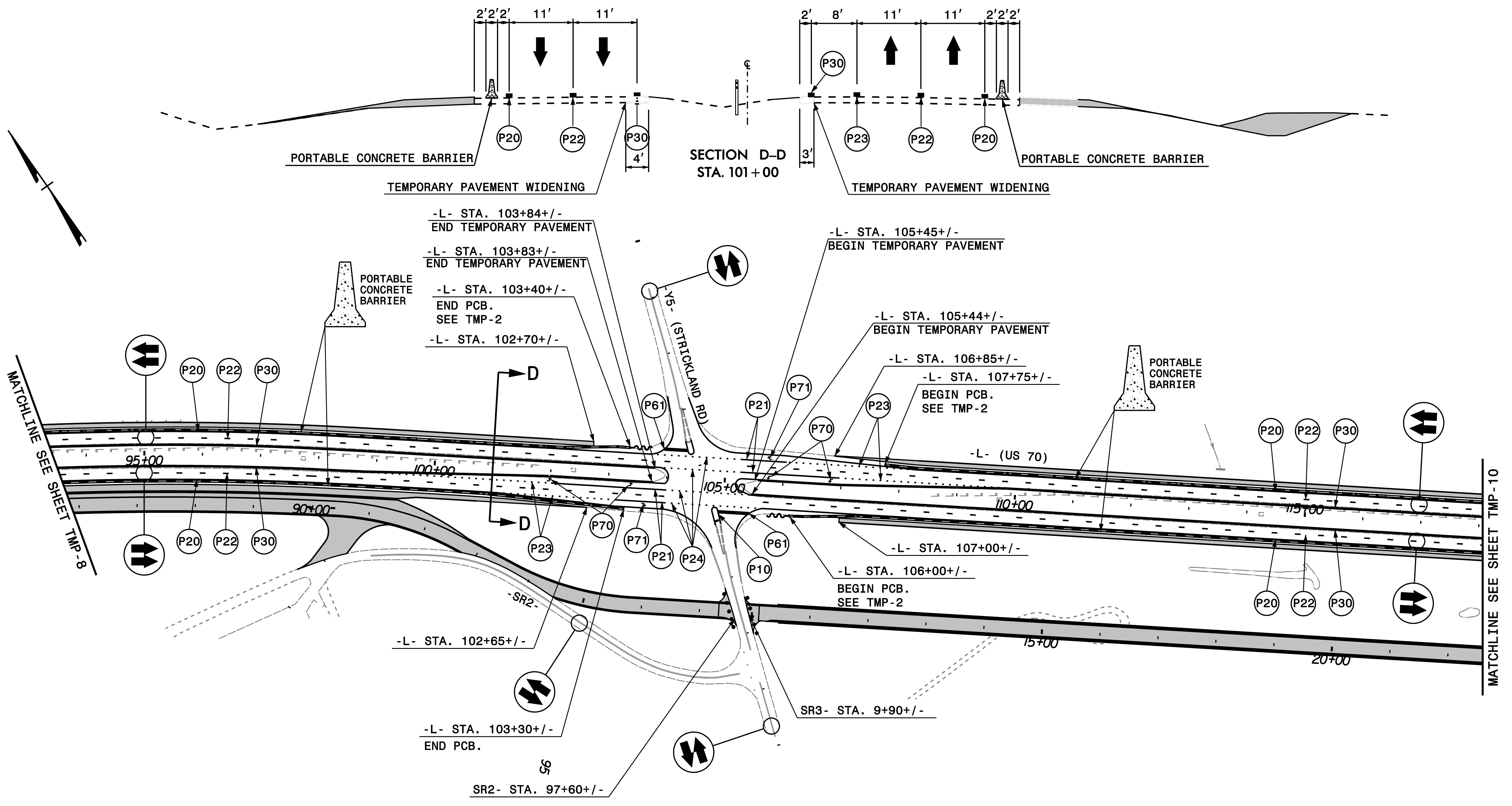
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**TRANSPORTATION  
MANAGEMENT PLAN  
AREA 1 PHASE I DETAIL**





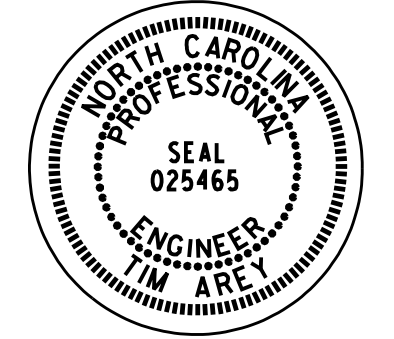
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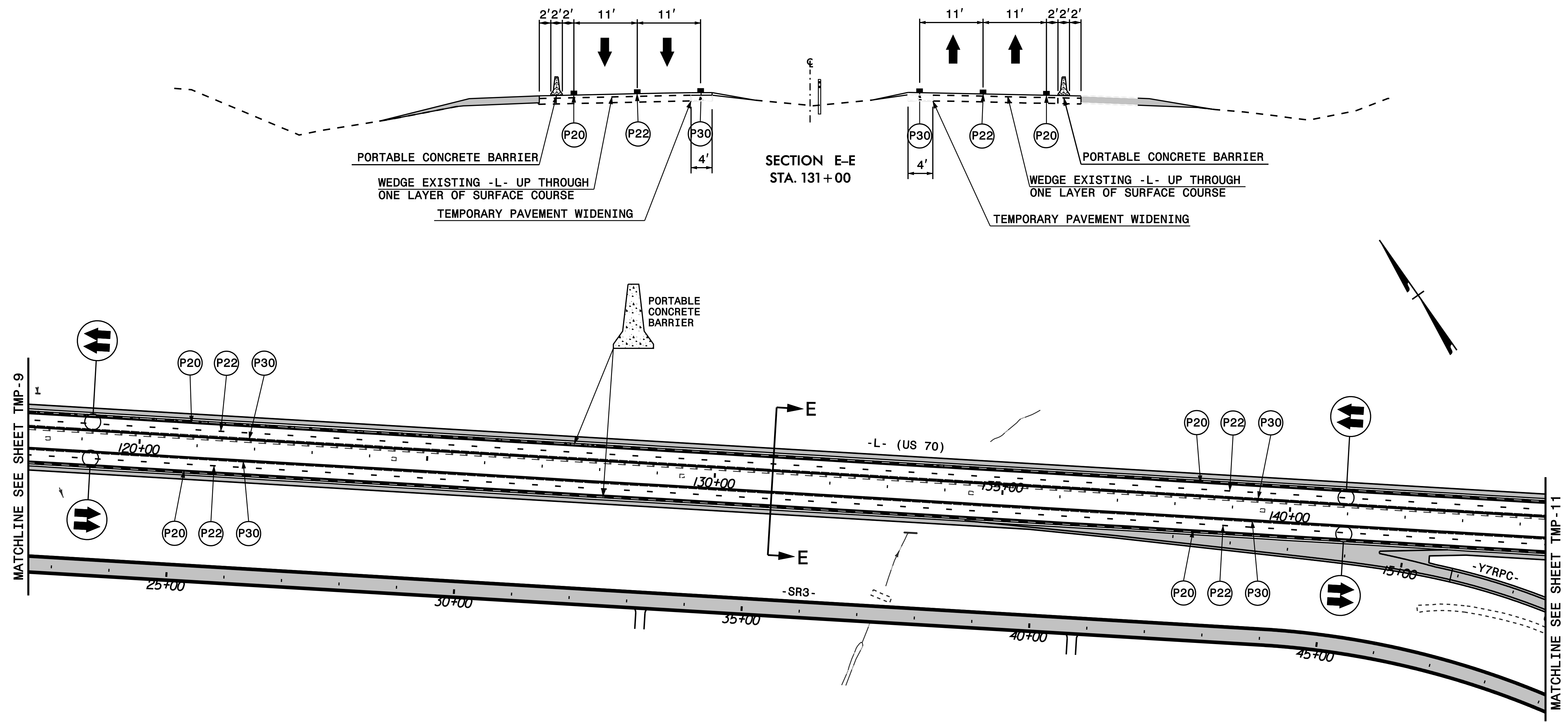
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**TRANSPORTATION MANAGEMENT PLAN**  
**AREA 1 PHASE I DETAIL**





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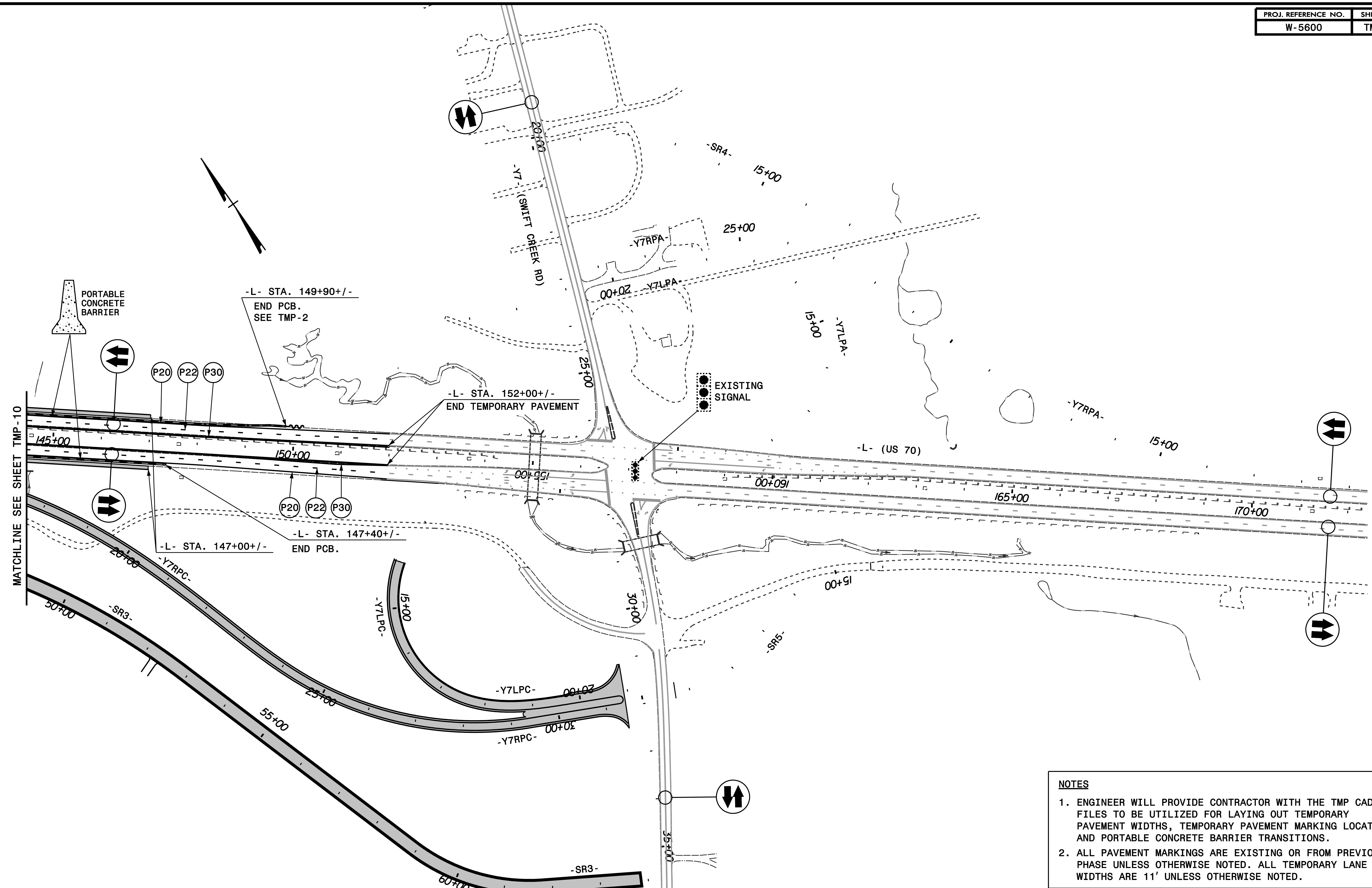
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**TRANSPORTATION MANAGEMENT PLAN**

**AREA 1 PHASE I DETAIL**





MATCHLINE SEE SHEET TMP-10

- NOTES**
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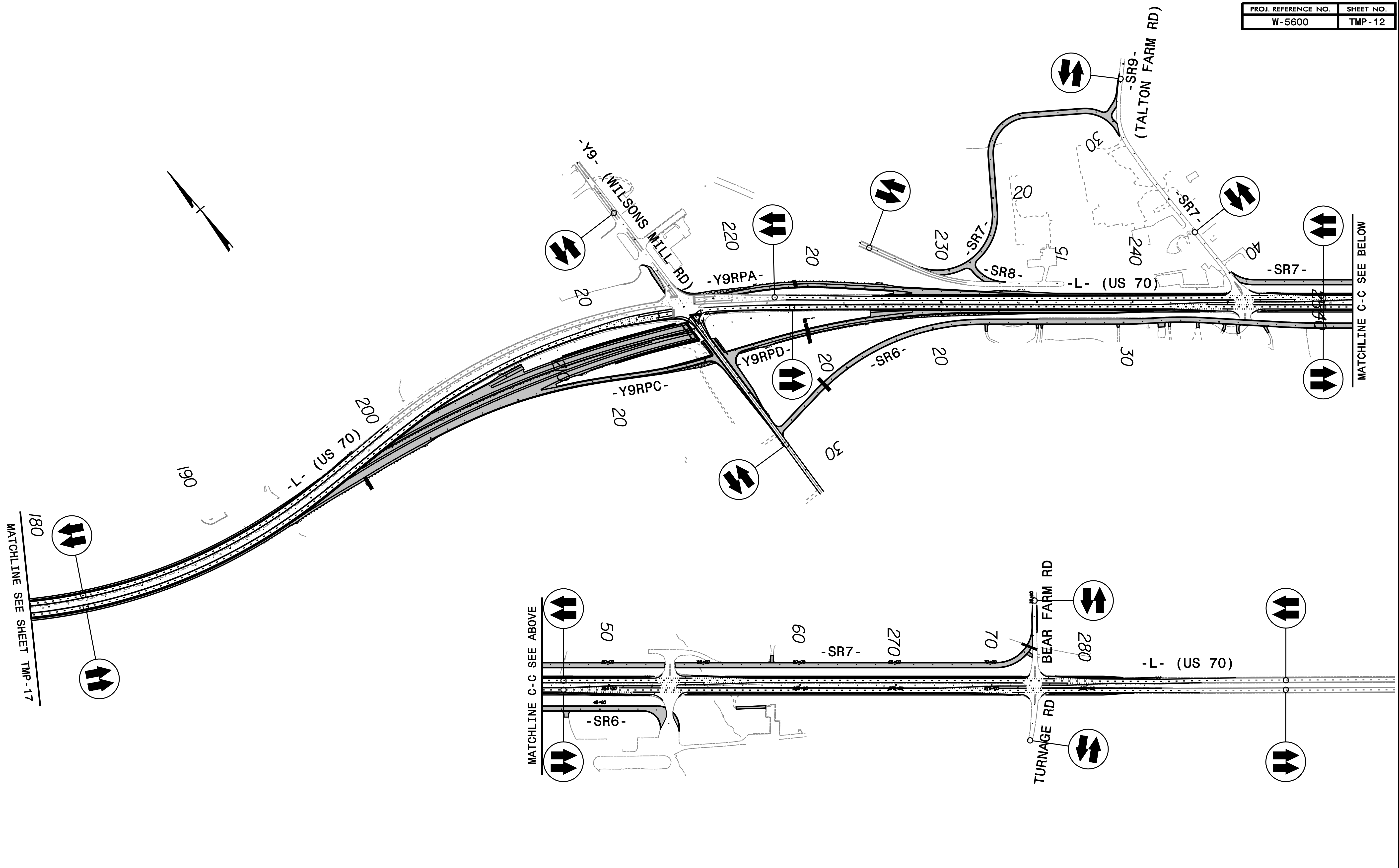
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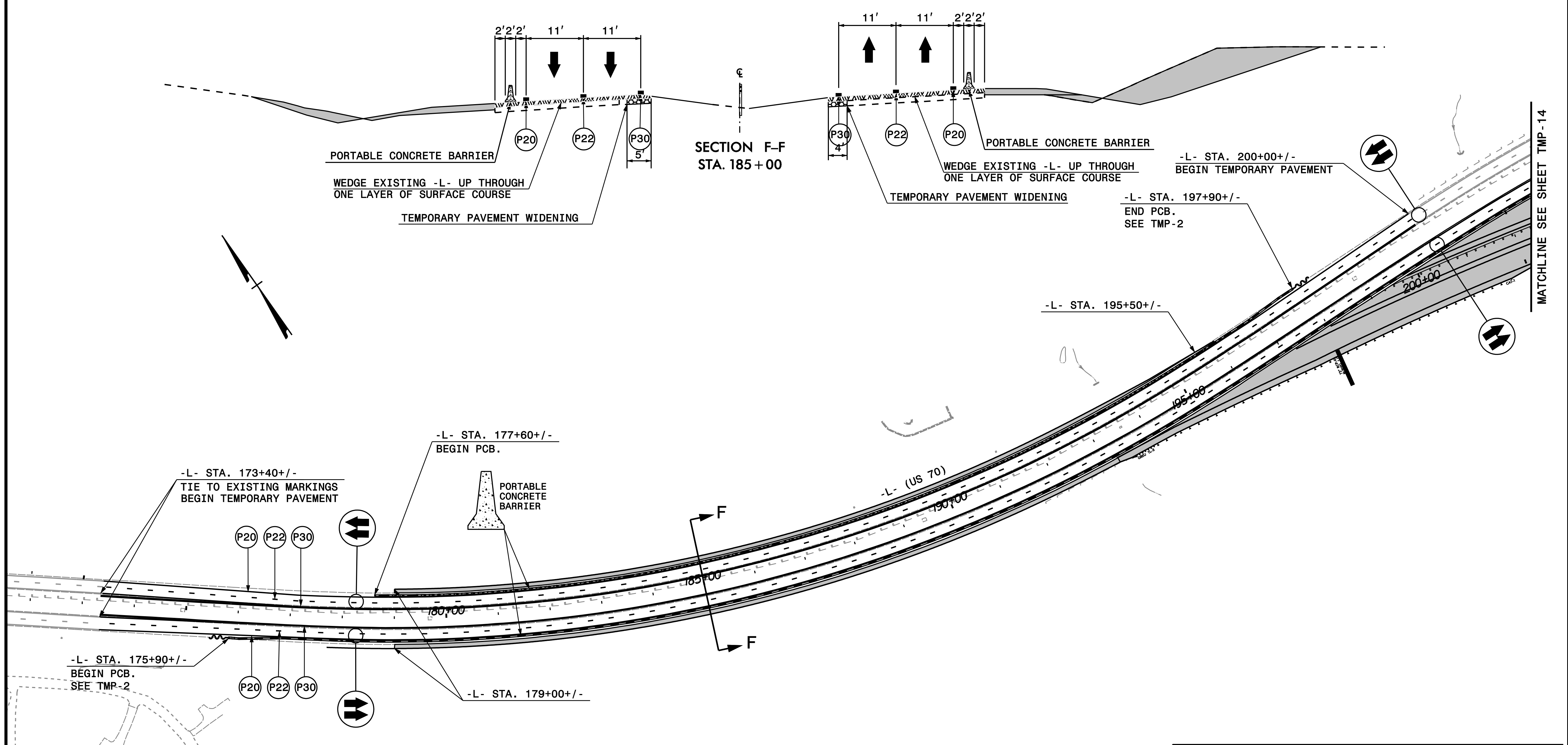
**TRANSPORTATION MANAGEMENT PLAN**

**AREA 1,3 PHASE I DETAIL**



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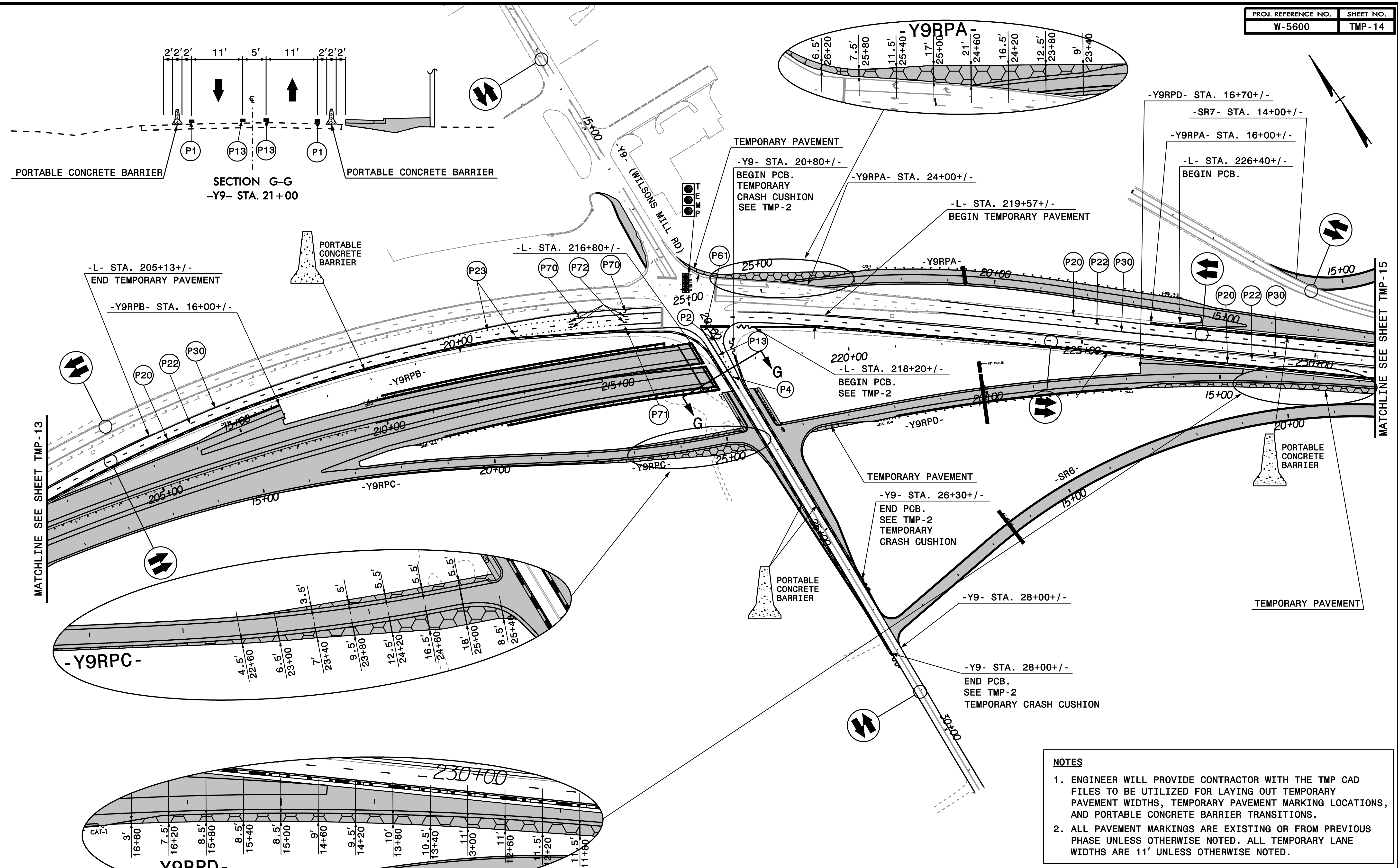
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**TRANSPORTATION MANAGEMENT PLAN**

**AREA 2 PHASE I DETAIL**



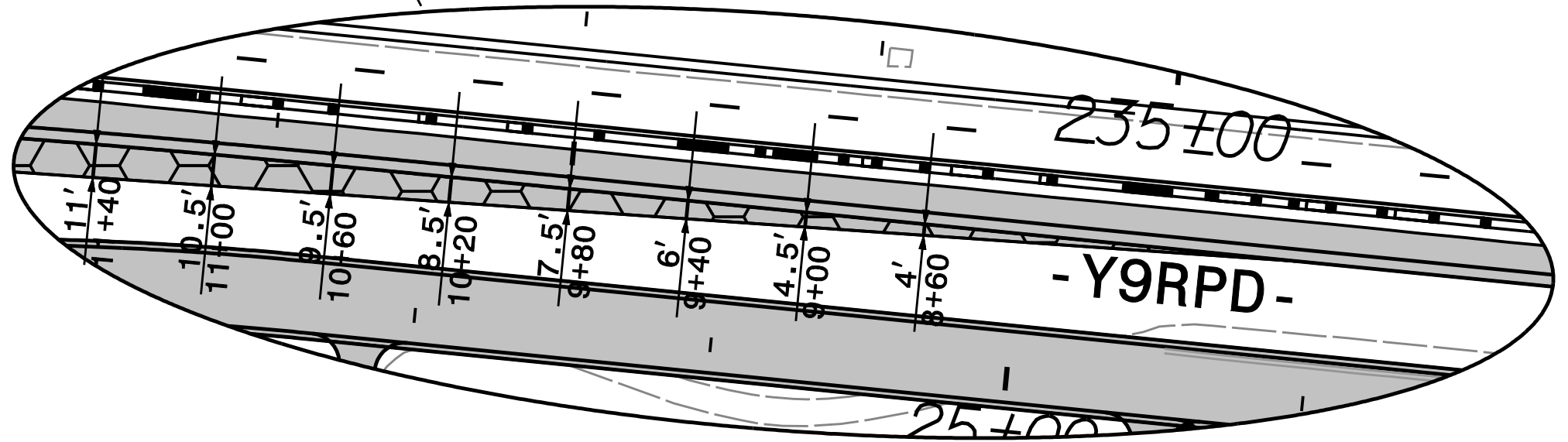
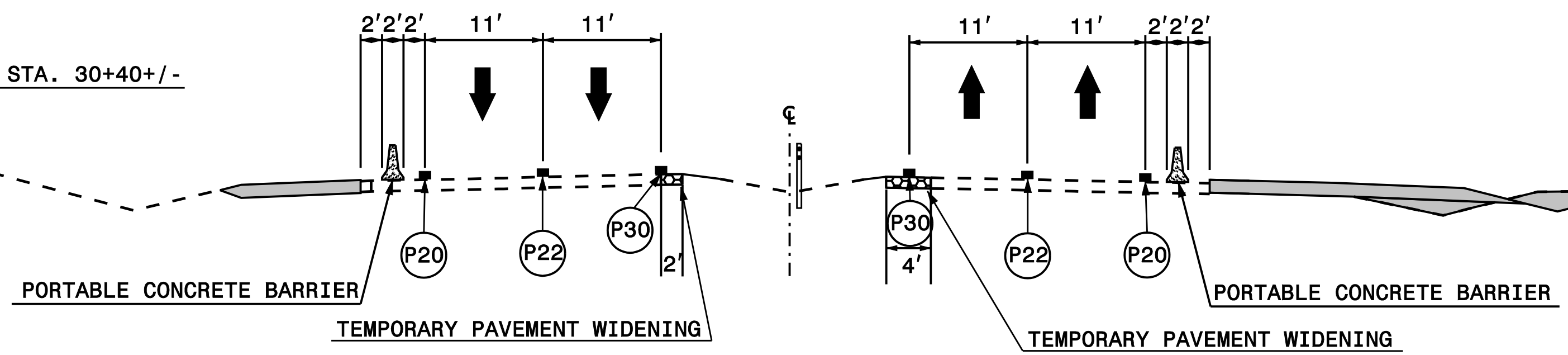
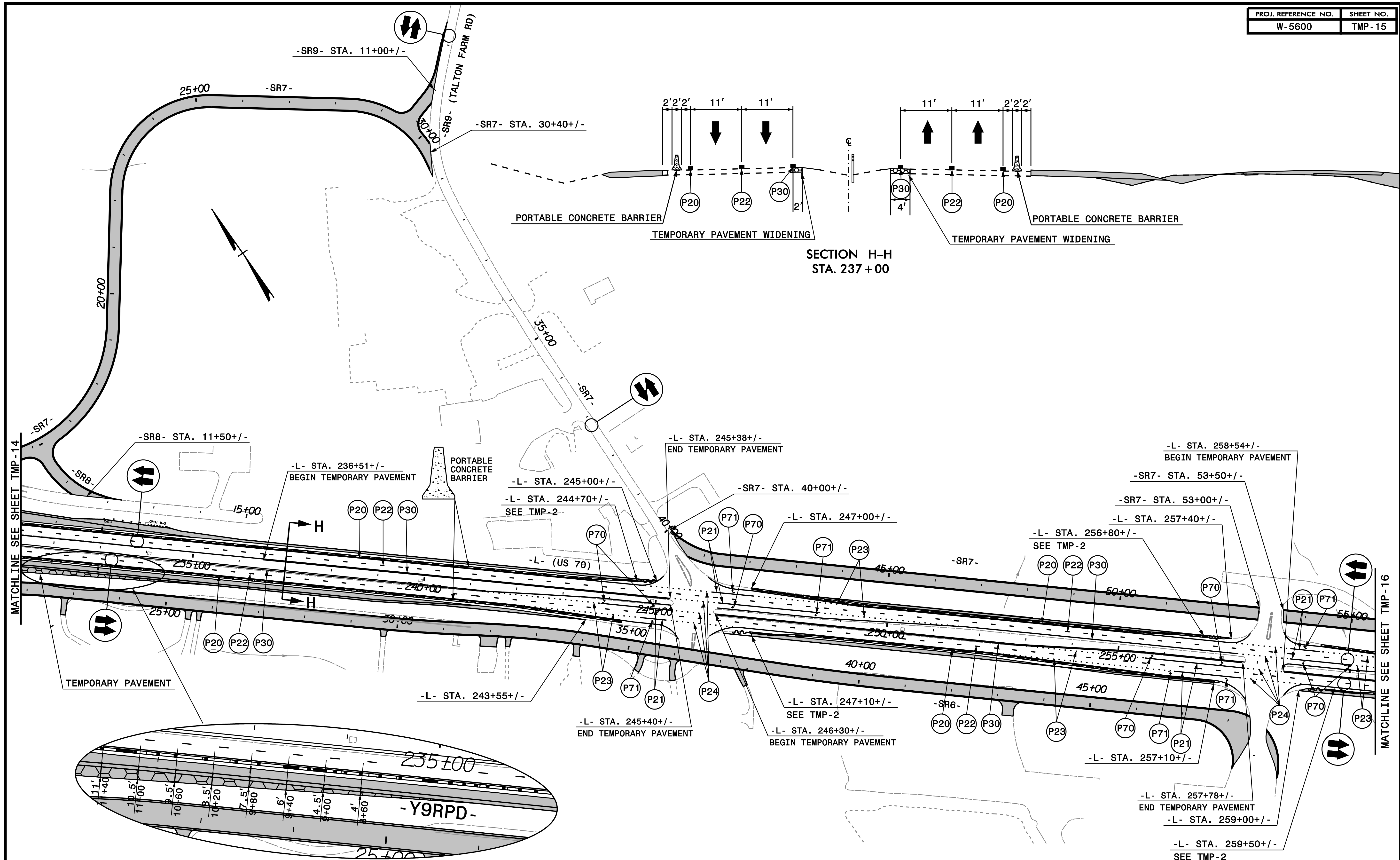


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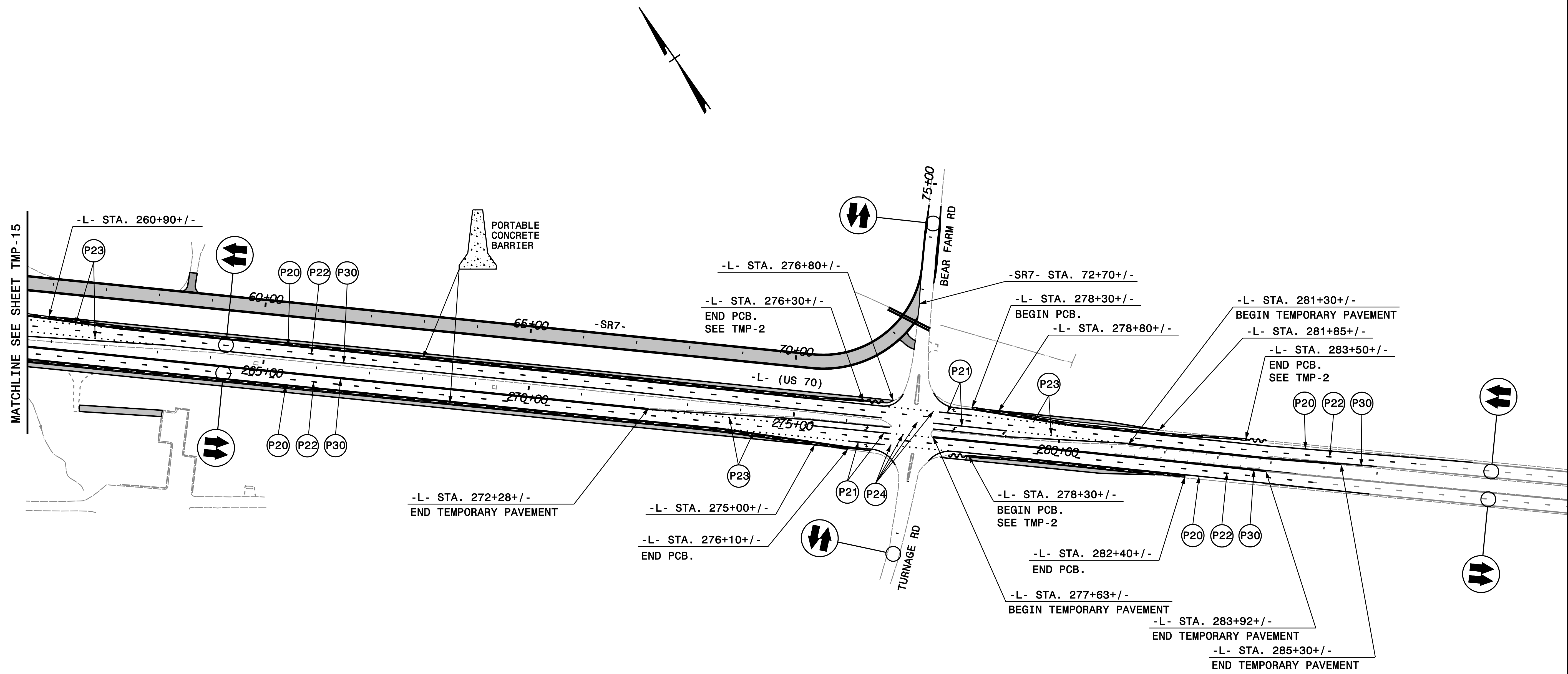
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**TRANSPORTATION MANAGEMENT PLAN**  
**AREA 2 PHASE I DETAIL**





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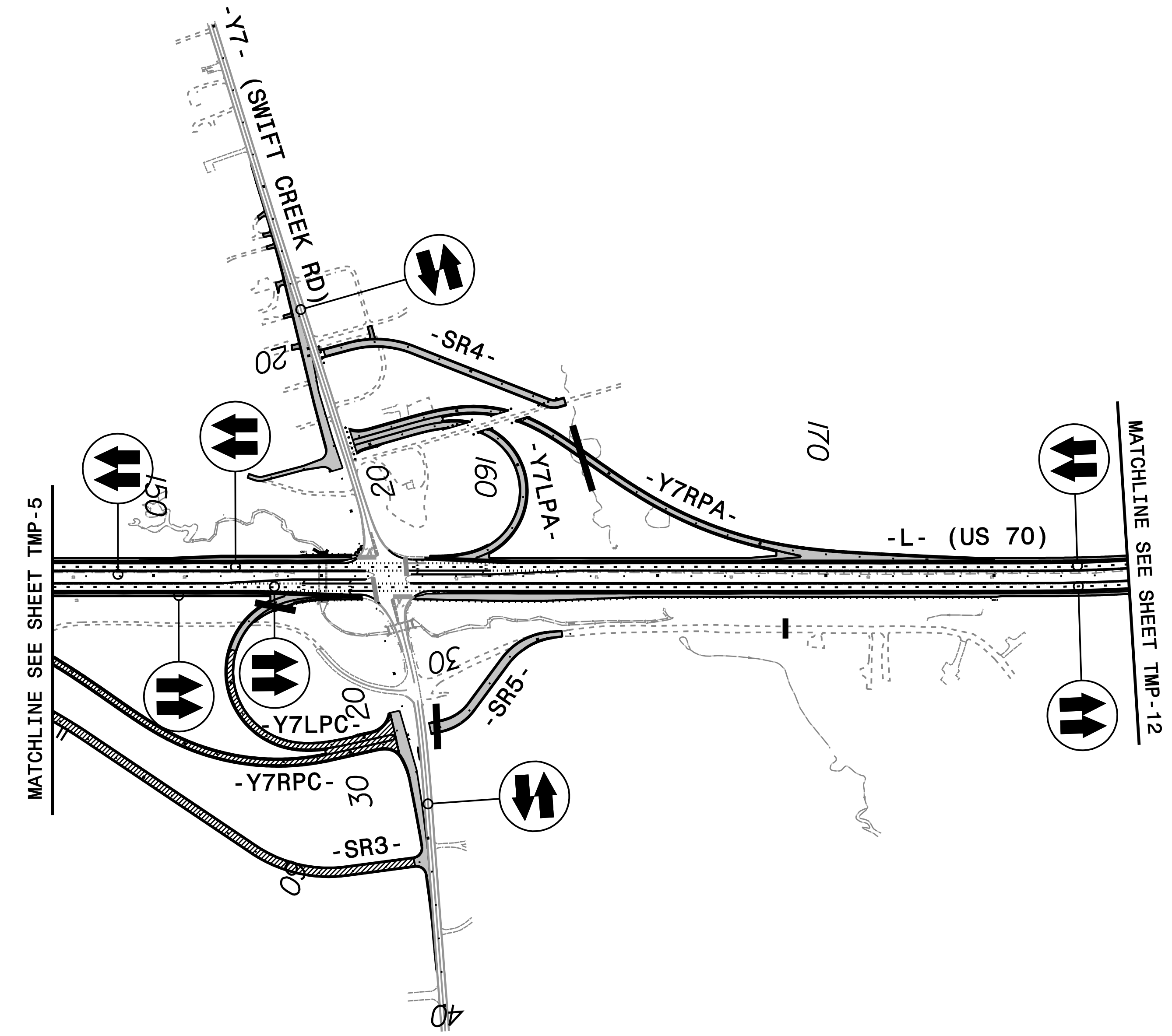
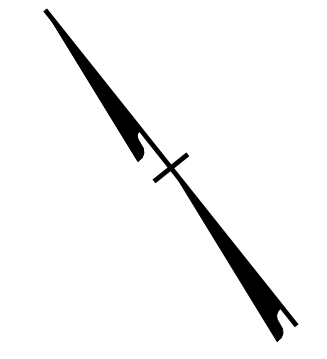
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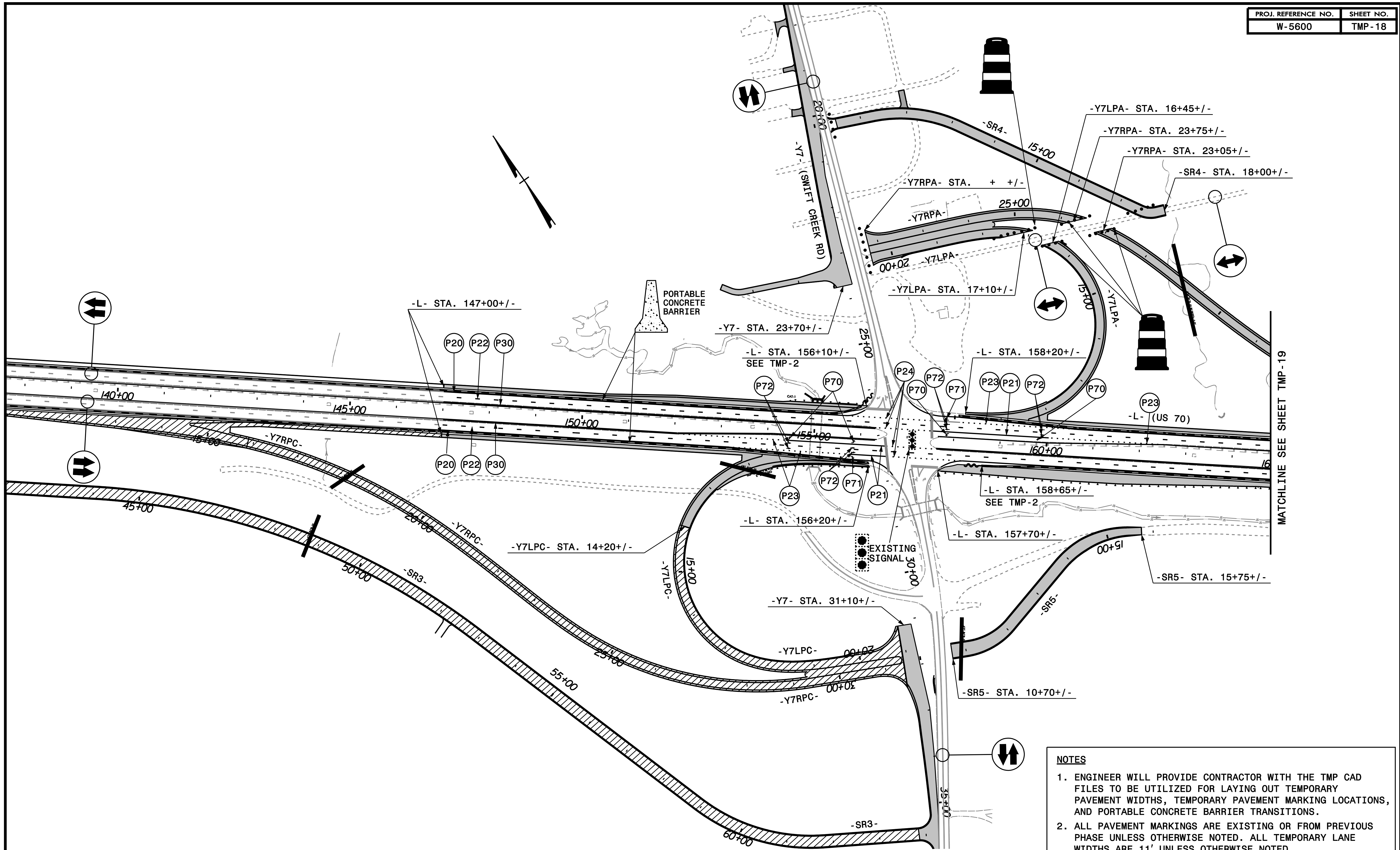
**TRANSPORTATION MANAGEMENT PLAN**

**AREA 2 PHASE I DETAIL**





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MATCHLINE SEE SHEET TMP-19

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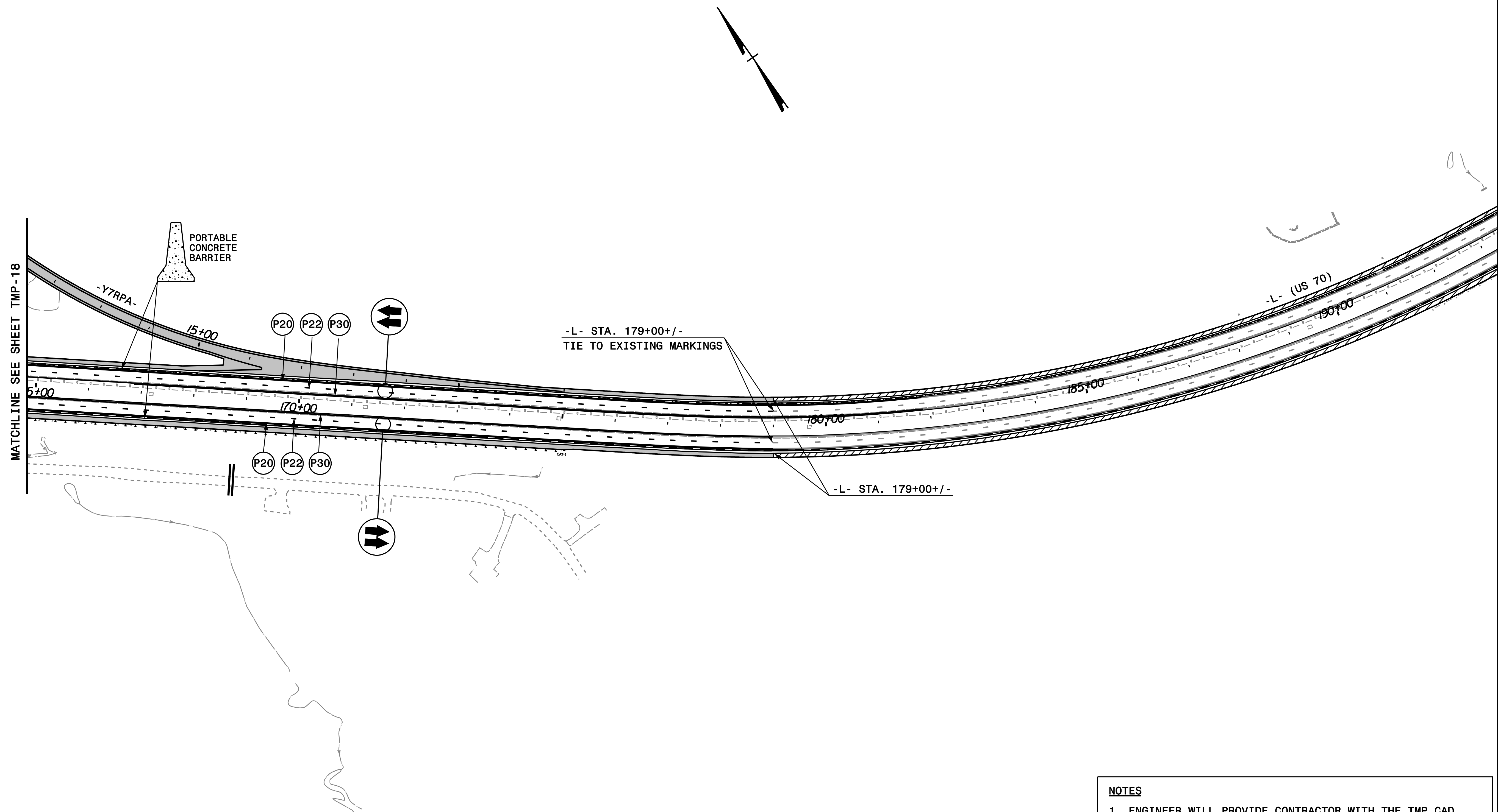
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**TRANSPORTATION MANAGEMENT PLAN**

**AREA 3 PHASE I DETAIL**





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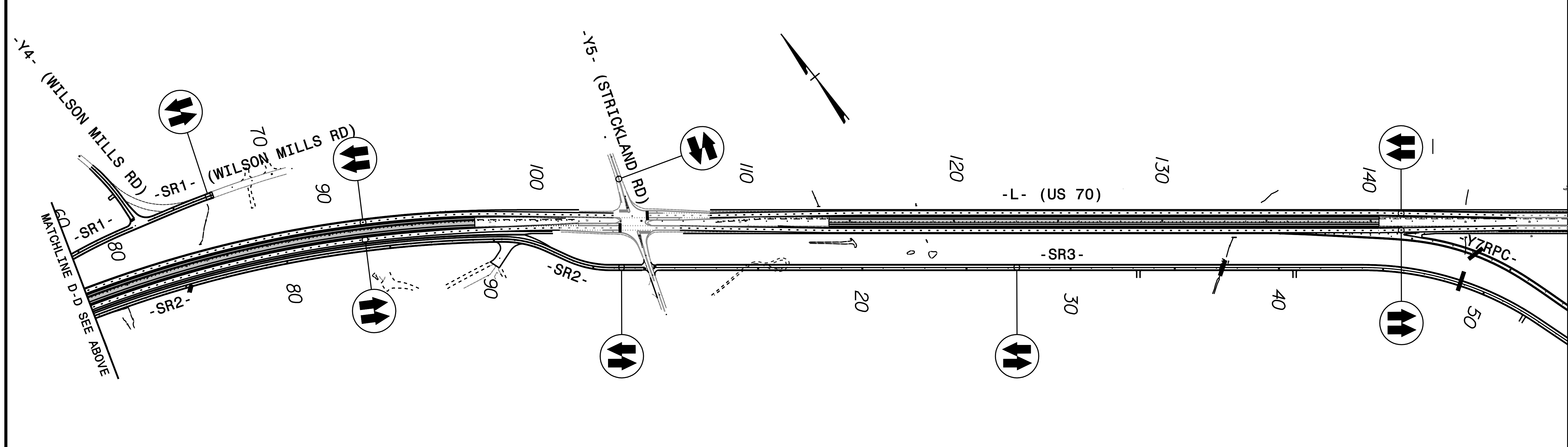
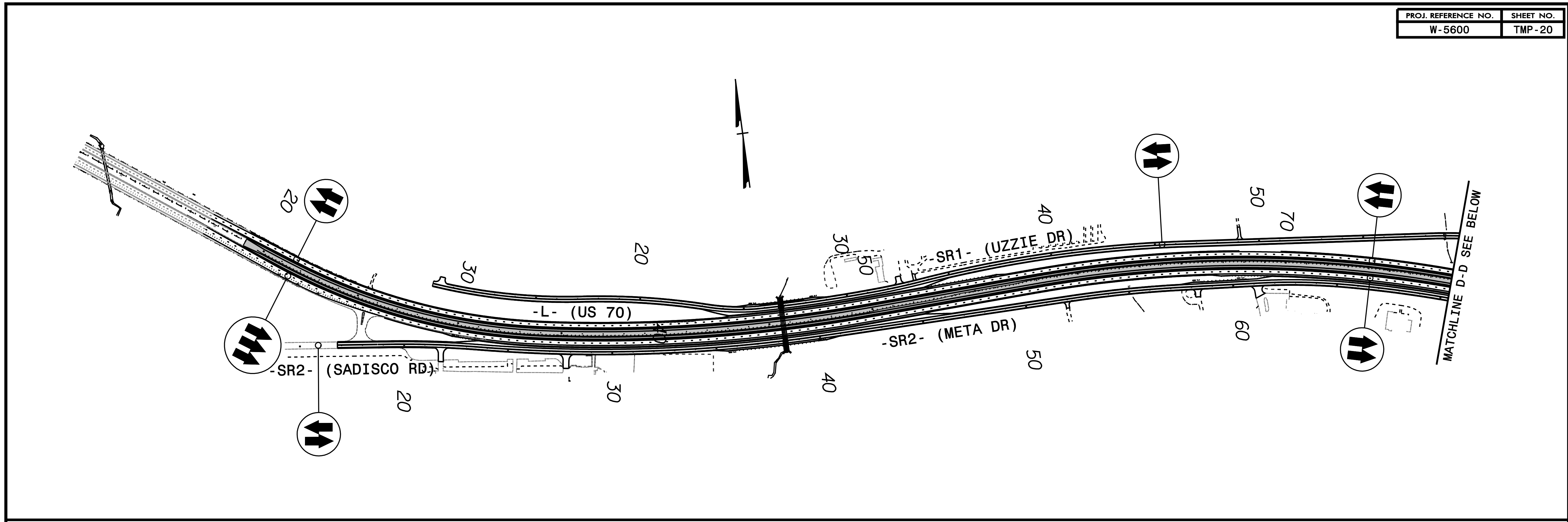
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APPROVED: *[Signature]* DATE: 5/5/2020

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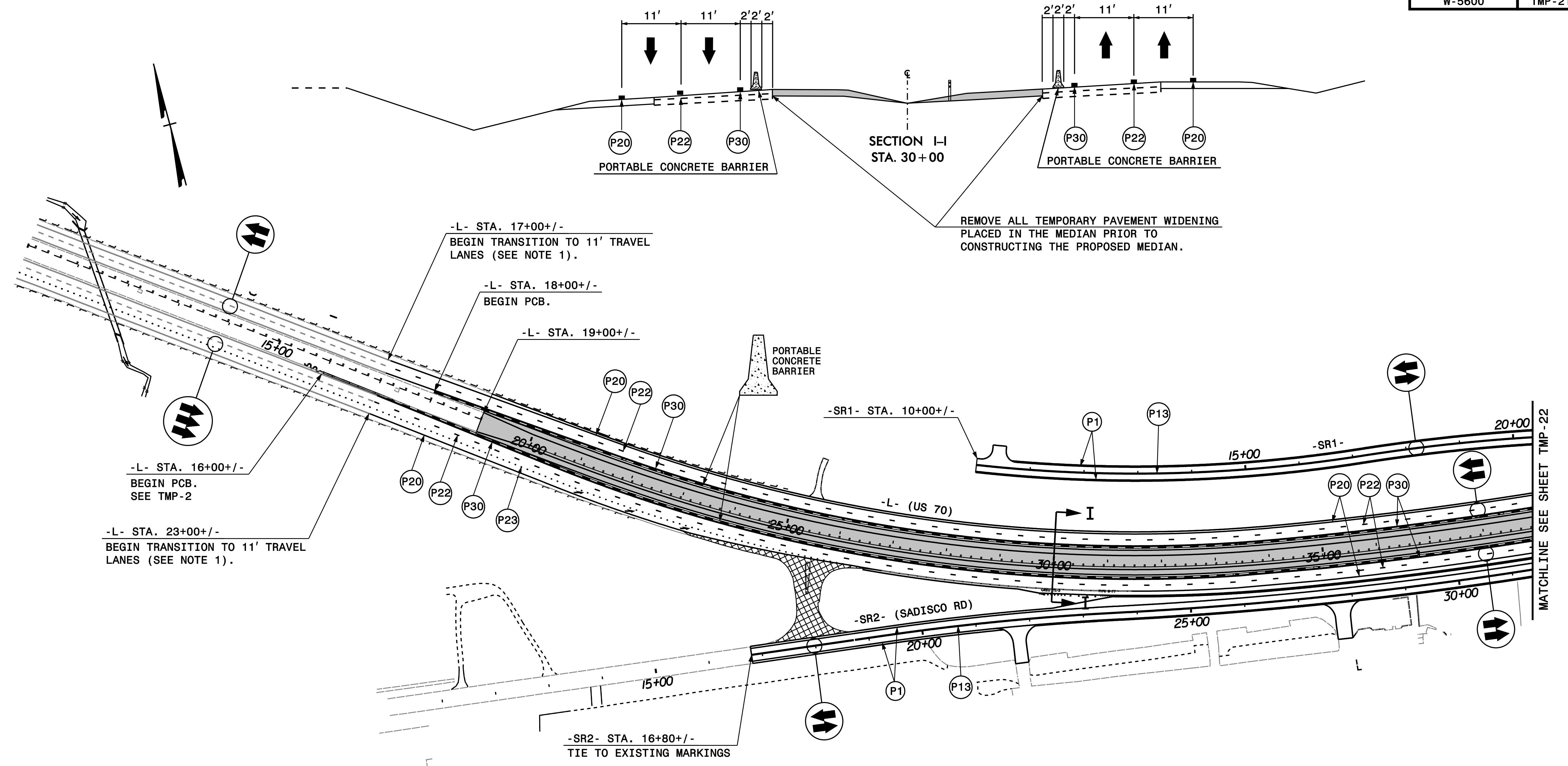
**TRANSPORTATION MANAGEMENT PLAN**  
**AREA 3,2 PHASE I DETAIL**



 <p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p>	<p>PLAN PREPARED IN THE OFFICE OF:</p> <p><b>PROGRESSIVE</b> DESIGN GROUP, INC.</p> <p>ENGINEERS • CONSULTANTS</p>	<p>APPROVED: <i>Tim Aug</i> DATE: 5/5/2020</p>	<p>TRANSPORTATION MANAGEMENT PLAN AREA 1 PHASE II OVERVIEW</p>
		<p>SEAL</p> 	

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION





REMOVE ALL TEMPORARY PAVEMENT WIDENING PLACED IN THE MEDIAN PRIOR TO CONSTRUCTING THE PROPOSED MEDIAN.

- NOTES**
- ENGINEER WILL PROVIDE CONTRACTOR WITH THE TMP CAD FILES TO BE UTILIZED FOR LAYING OUT TEMPORARY PAVEMENT WIDTHS, TEMPORARY PAVEMENT MARKING LOCATIONS, AND PORTABLE CONCRETE BARRIER TRANSITIONS.
  - ALL PAVEMENT MARKINGS ARE EXISTING OR FROM PREVIOUS PHASE UNLESS OTHERWISE NOTED. ALL TEMPORARY LANE WIDTHS ARE 11' UNLESS OTHERWISE NOTED.

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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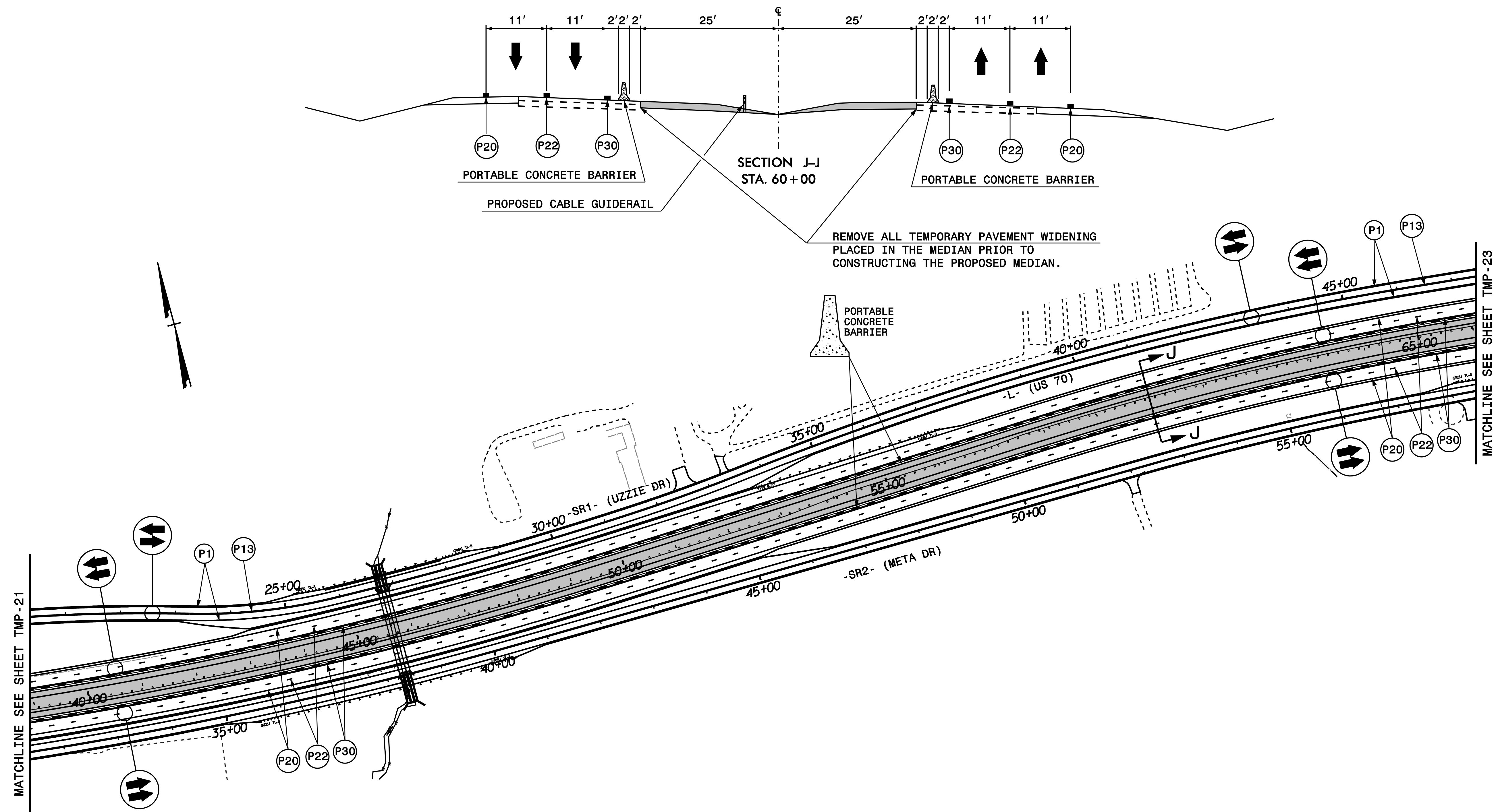
APPROVED: *Tim Argy* DATE: 5/5/2020

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TRANSPORTATION  
MANAGEMENT PLAN  
AREA 1 PHASE II DETAIL

MATCHLINE SEE SHEET TMP-22





- NOTES**
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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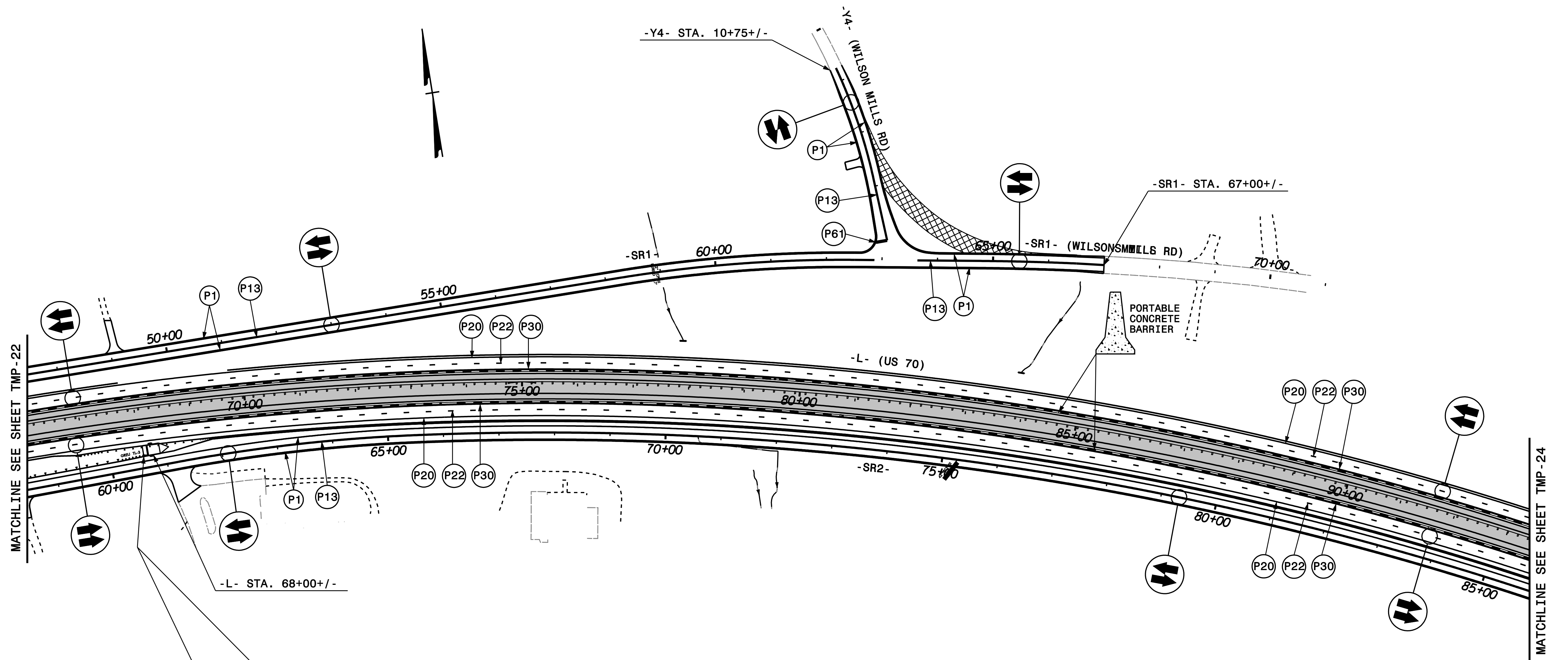
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APPROVED: *Tim Are* DATE: 5/5/2020

SEAL

TRANSPORTATION  
MANAGEMENT PLAN  
AREA 1 PHASE II DETAIL





MESSAGE NO. 1	MESSAGE NO. 2
NEW SIGNAL AHEAD	STARTS ON **/**

CHANGEABLE MESSAGE SIGN

MESSAGE NO. 1	MESSAGE NO. 2
NEW SIGNAL AHEAD	

CHANGEABLE MESSAGE SIGN

INSERT DATE

RUN THIS CMS MESSAGE FOR 2 WEEKS PRIOR TO TRAFFIC SIGNAL IMPLEMENTATION DATE

RUN THIS CMS MESSAGE FOR MINIMUM OF 4 WEEKS AFTER TRAFFIC SIGNAL IMPLEMENTATION DATE

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PLAN PREPARED IN THE OFFICE OF:

**PROGRESSIVE DESIGN GROUP, INC.**

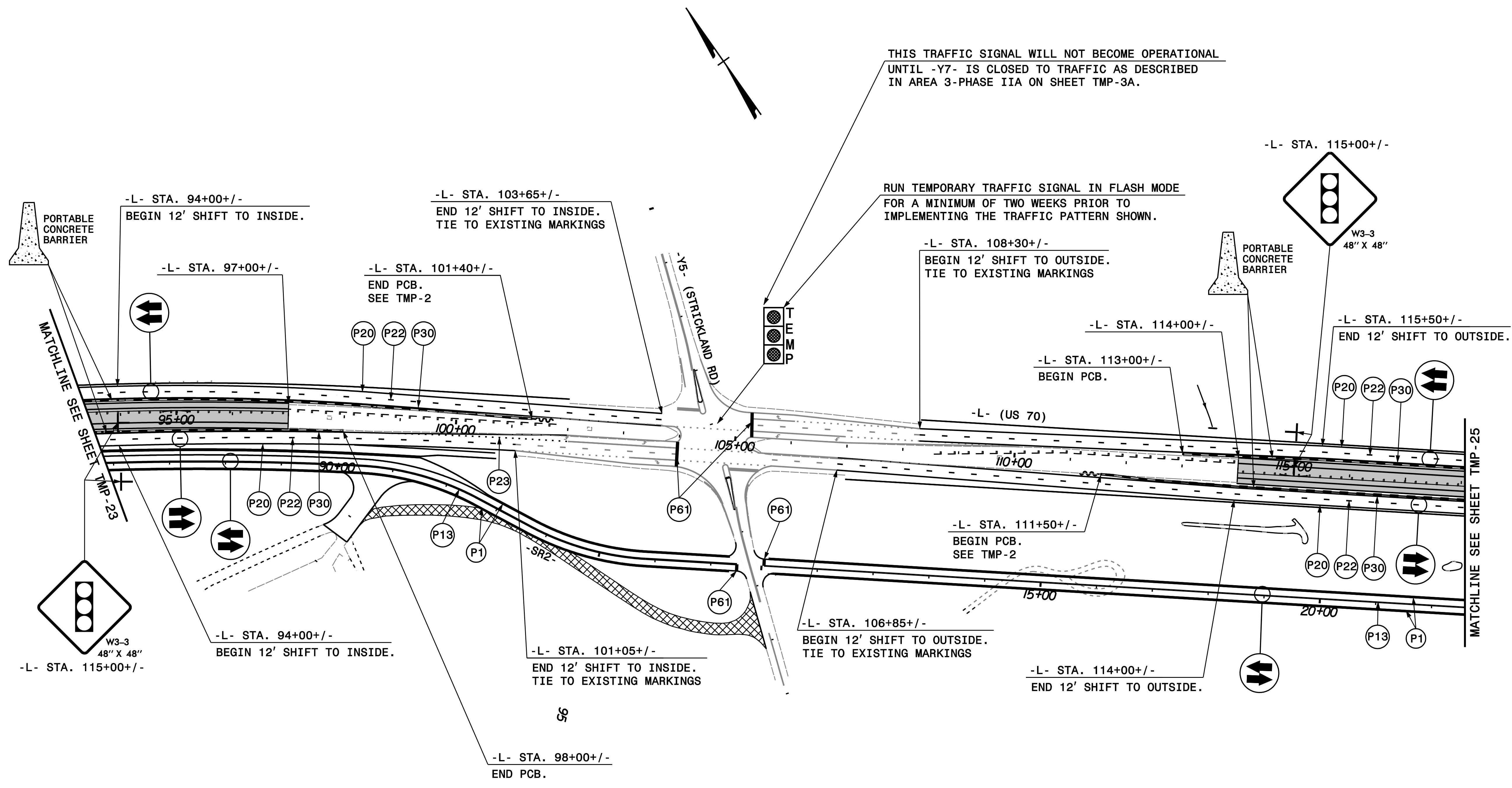
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APPROVED: *Jim King* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 1 PHASE II DETAIL**



**NOTES**

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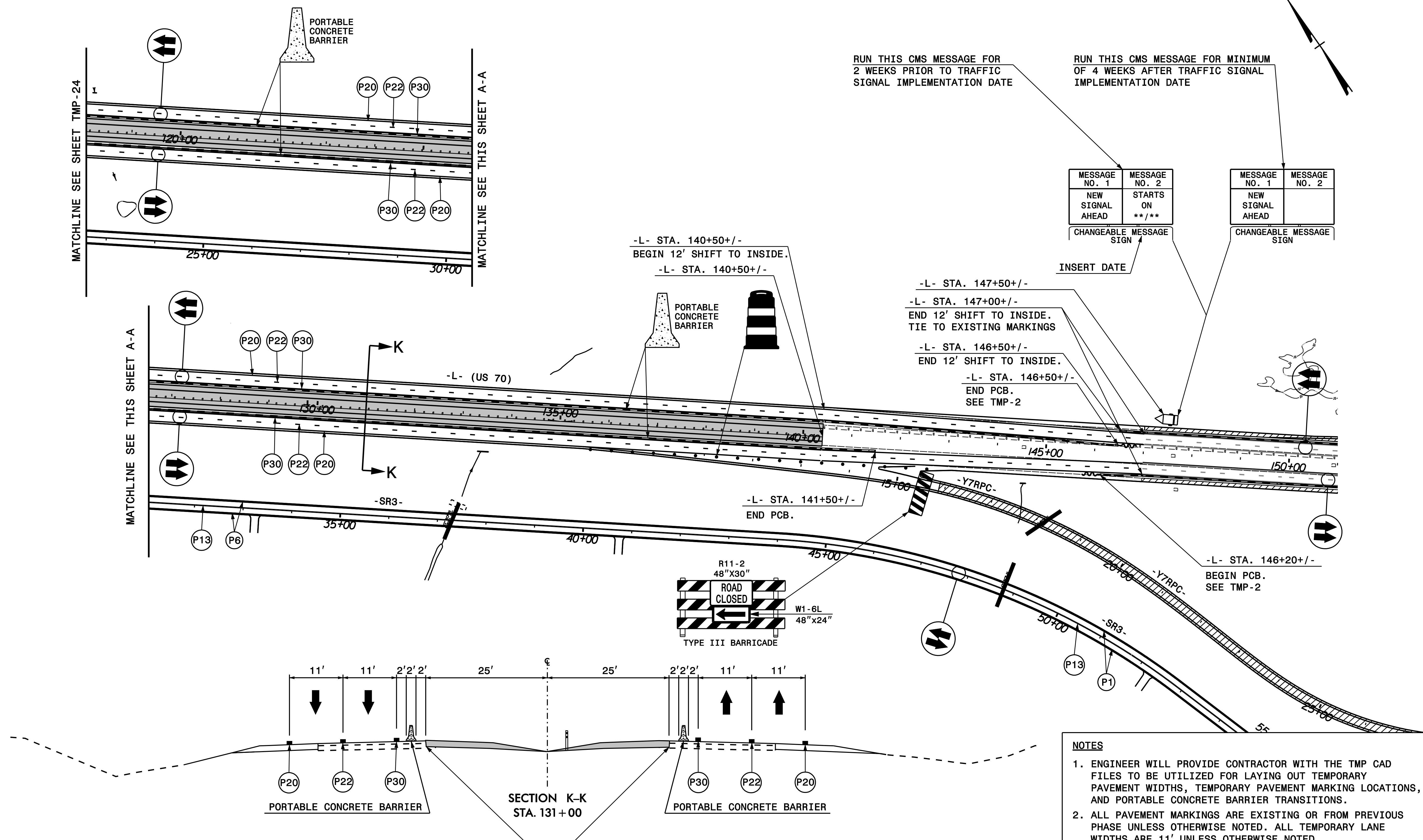
ENGINEERS • CONSULTANTS

APPROVED: *Dina Stey* DATE: 6/3/2020

SEAL

TRANSPORTATION MANAGEMENT PLAN  
AREA 1 PHASE II DETAIL





RUN THIS CMS MESSAGE FOR 2 WEEKS PRIOR TO TRAFFIC SIGNAL IMPLEMENTATION DATE

RUN THIS CMS MESSAGE FOR MINIMUM OF 4 WEEKS AFTER TRAFFIC SIGNAL IMPLEMENTATION DATE

MESSAGE NO. 1	MESSAGE NO. 2
NEW SIGNAL AHEAD	STARTS ON **/**
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
NEW SIGNAL AHEAD	
CHANGEABLE MESSAGE SIGN	

INSERT DATE

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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**PROGRESSIVE DESIGN GROUP, INC.**

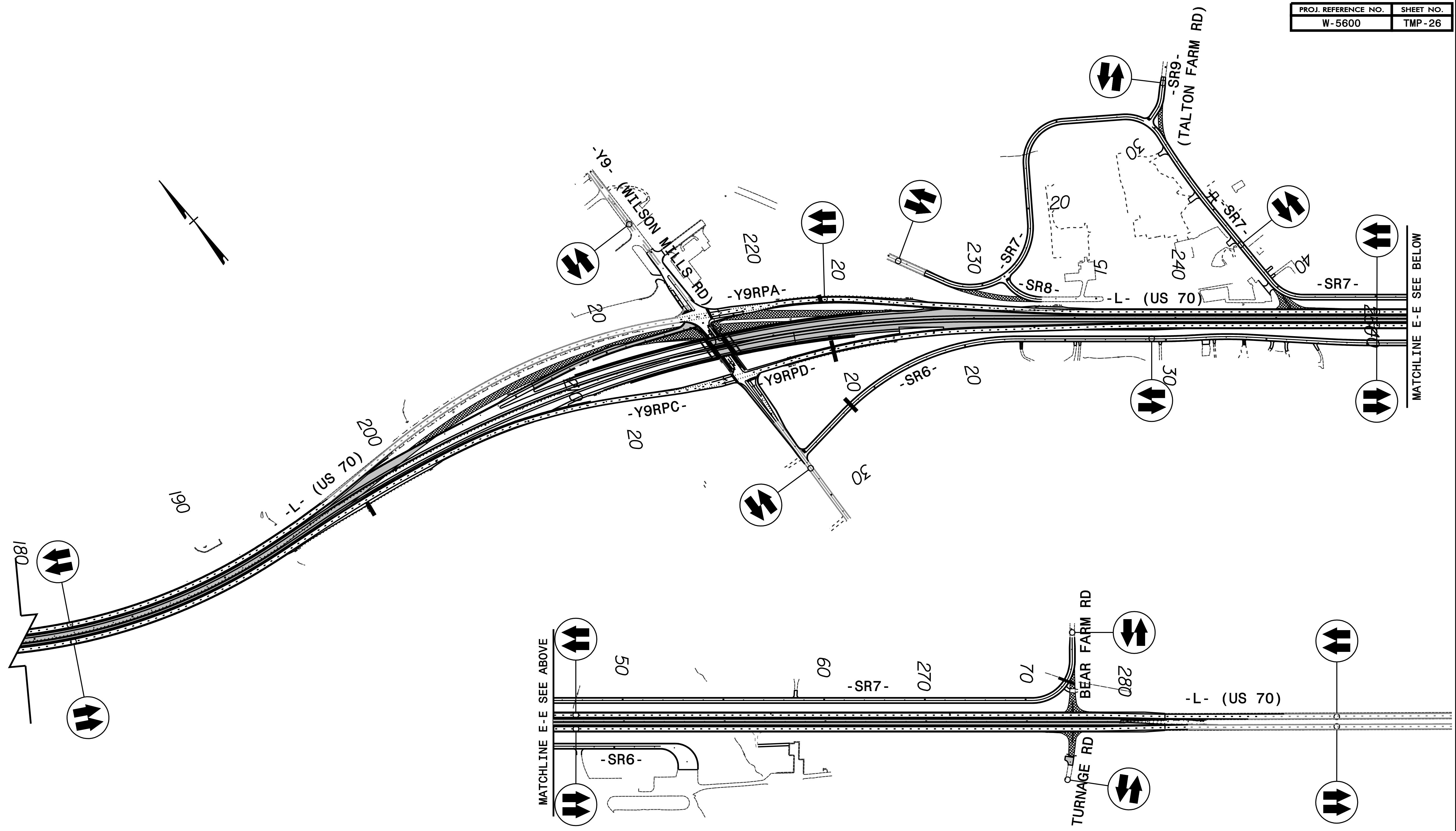
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TRANSPORTATION MANAGEMENT PLAN  
AREA 1 PHASE II DETAIL





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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

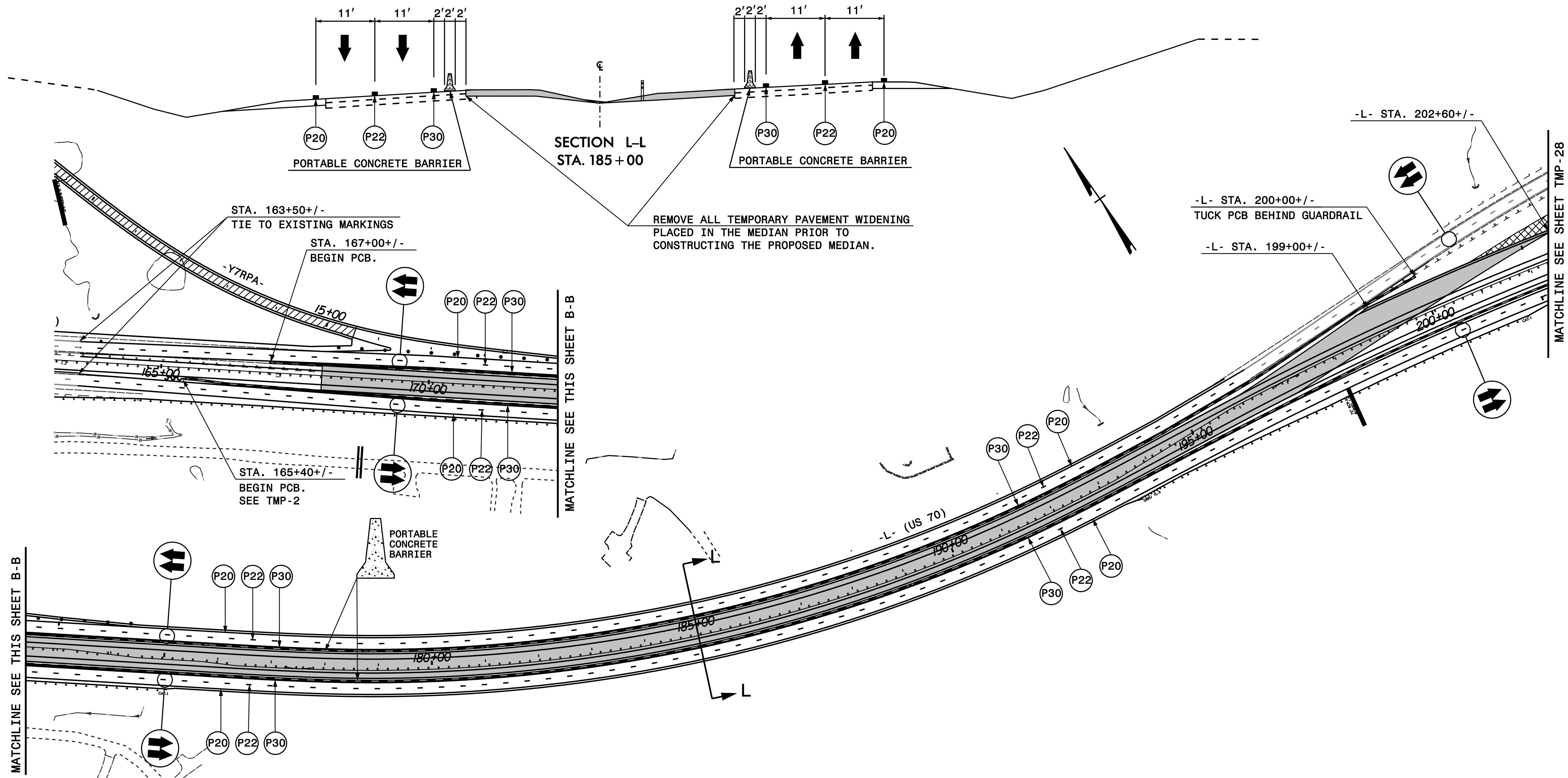
PLAN PREPARED IN THE OFFICE OF:  
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APPROVED: *Tim Are* DATE: 5/5/2020

SEAL

TRANSPORTATION  
 MANAGEMENT PLAN  
 AREA 2 PHASE II OVERVIEW

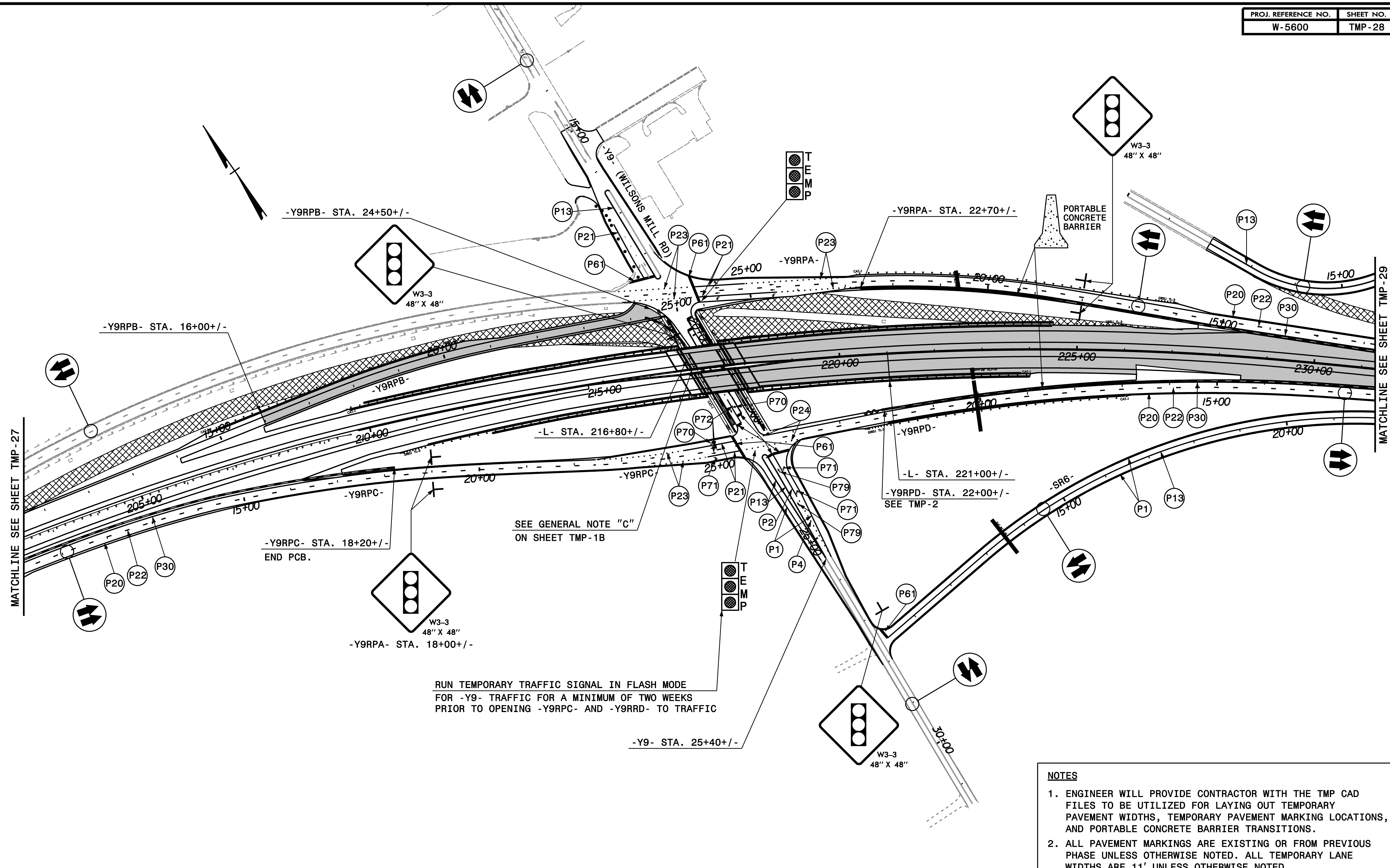




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	<p>SEAL</p>		





SEE GENERAL NOTE "C"  
ON SHEET TMP-1B

RUN TEMPORARY TRAFFIC SIGNAL IN FLASH MODE  
FOR -Y9- TRAFFIC FOR A MINIMUM OF TWO WEEKS  
PRIOR TO OPENING -Y9RPC- AND -Y9RRD- TO TRAFFIC

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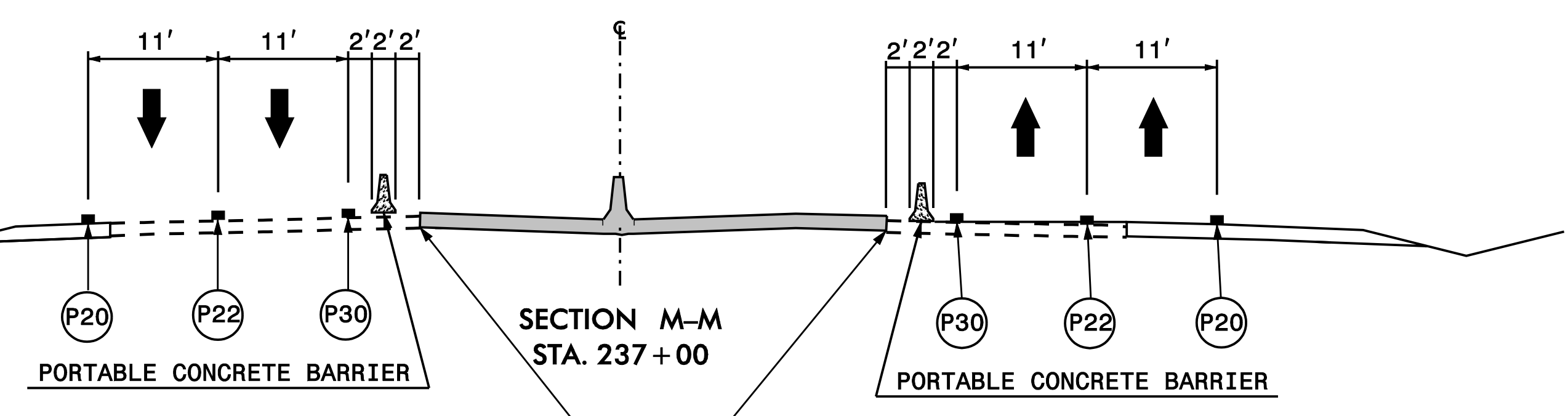
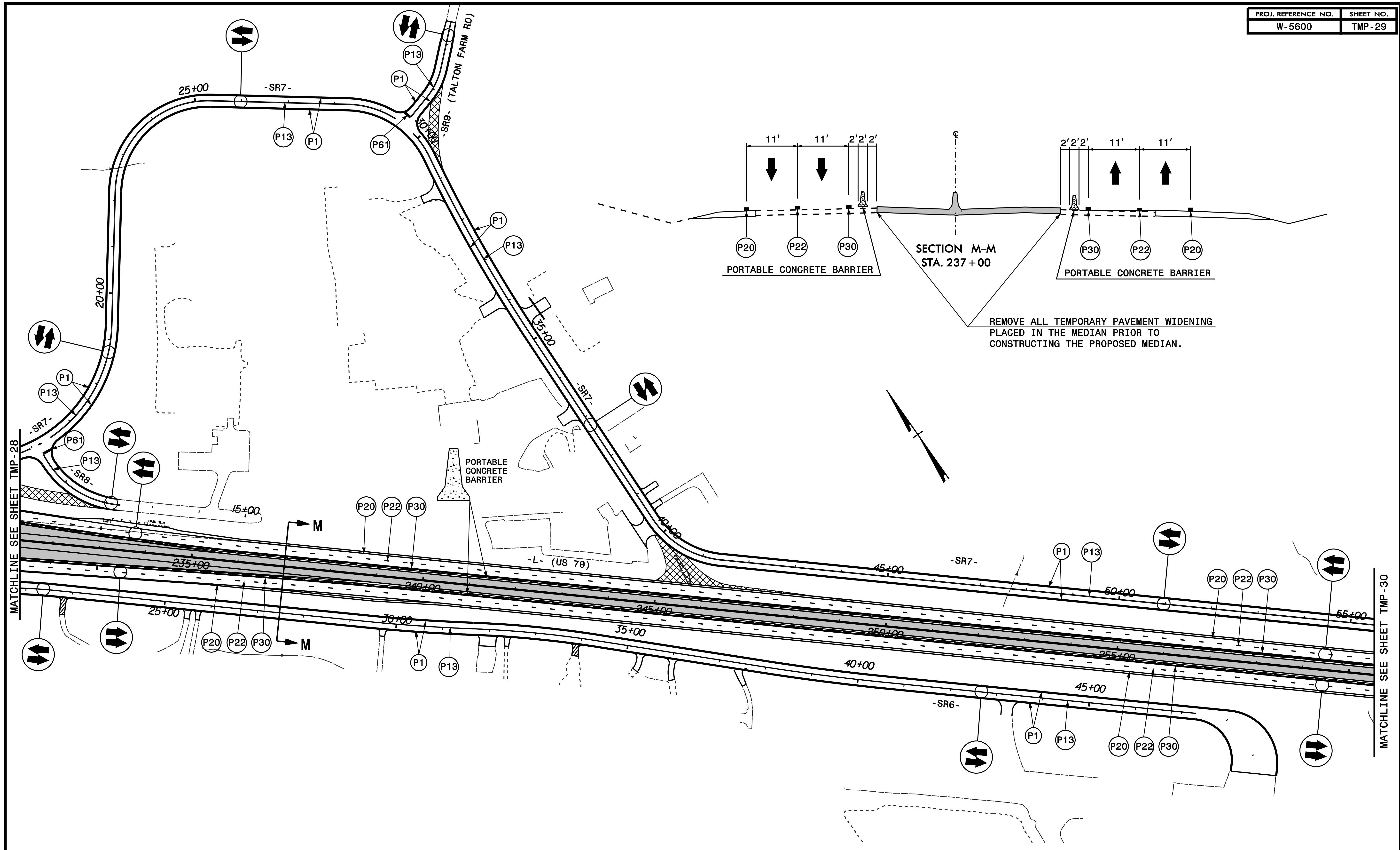
ENGINEERS • CONSULTANTS

APPROVED: *[Signature]* DATE: 6/3/2020

SEAL

**TRANSPORTATION  
MANAGEMENT PLAN  
AREA 2 PHASE II DETAIL**





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**PROGRESSIVE DESIGN GROUP, INC.**

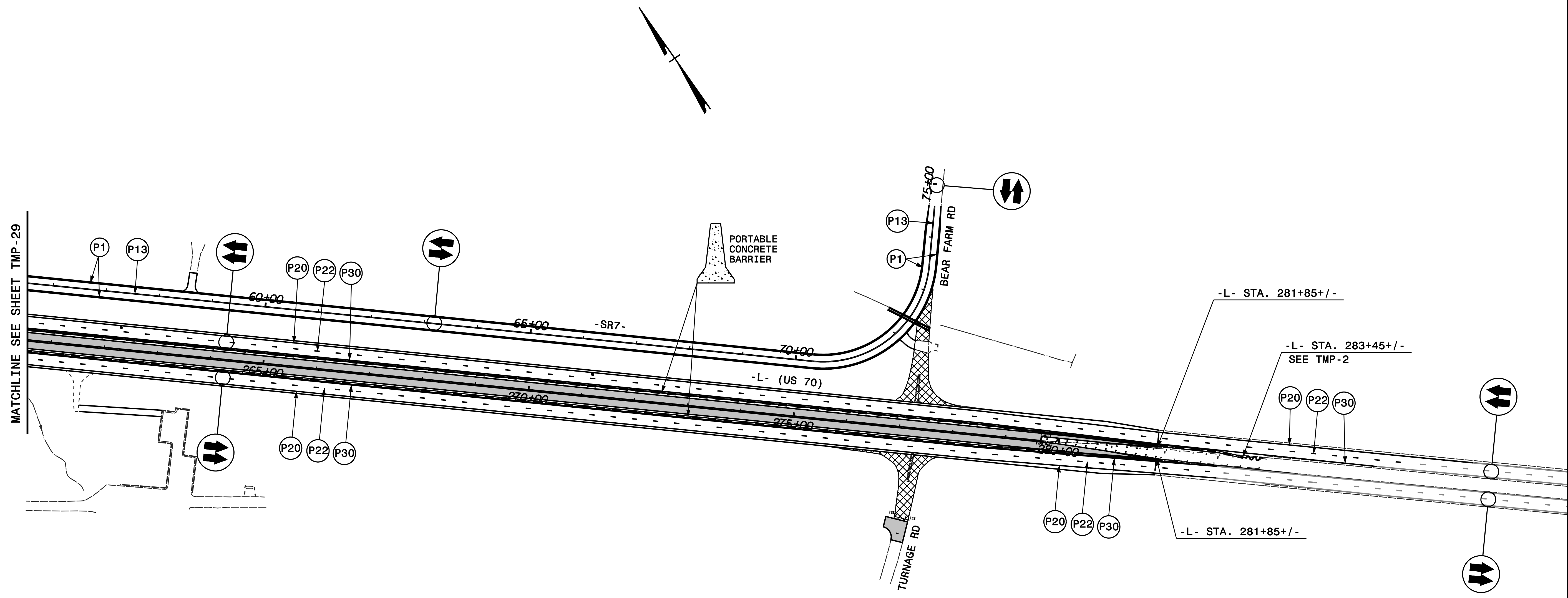
ENGINEERS • CONSULTANTS

APPROVED: *Tim King* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN  
AREA 2 PHASE II DETAIL**





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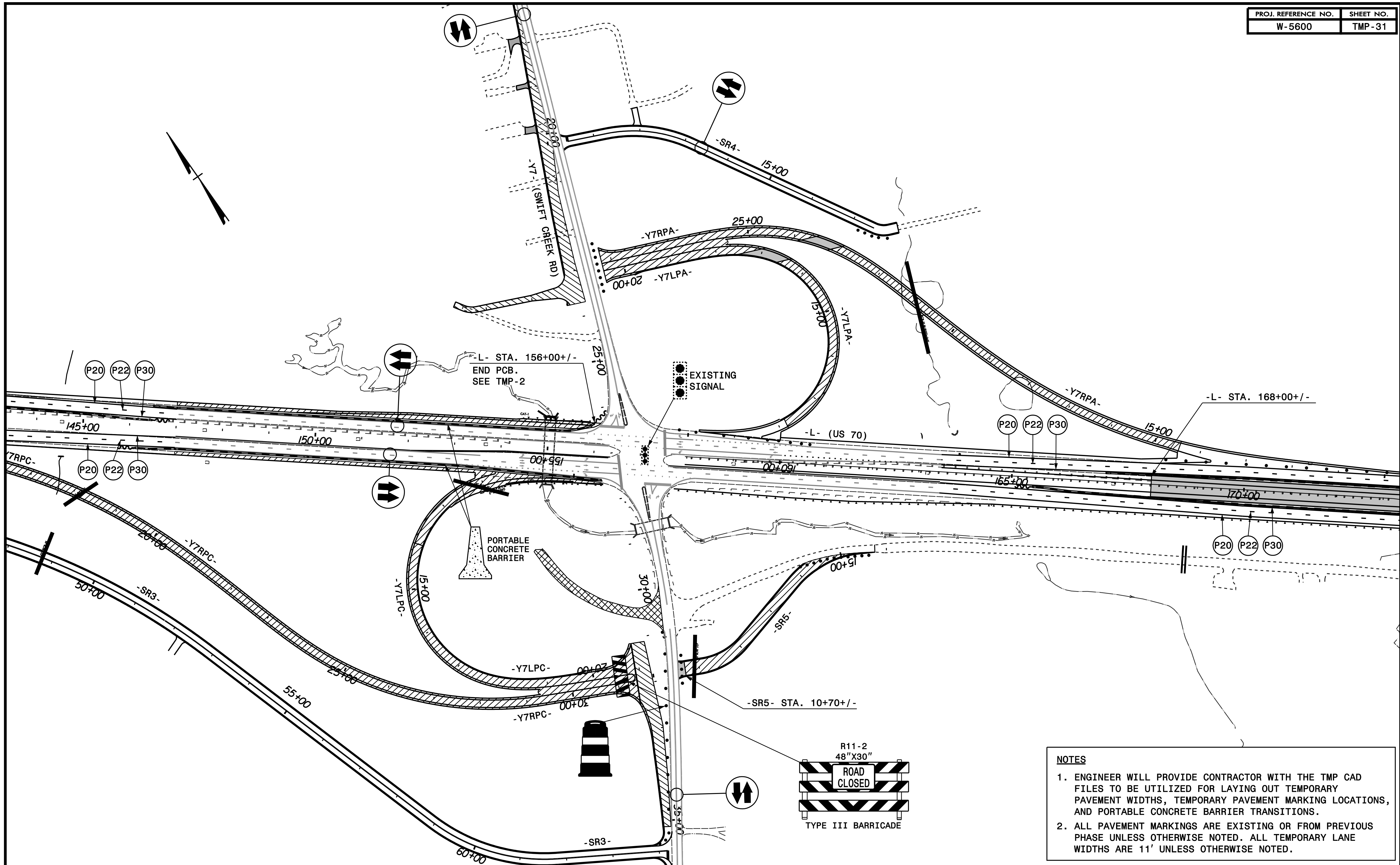
APPROVED: *Tim Stuy* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 2 PHASE II DETAIL**





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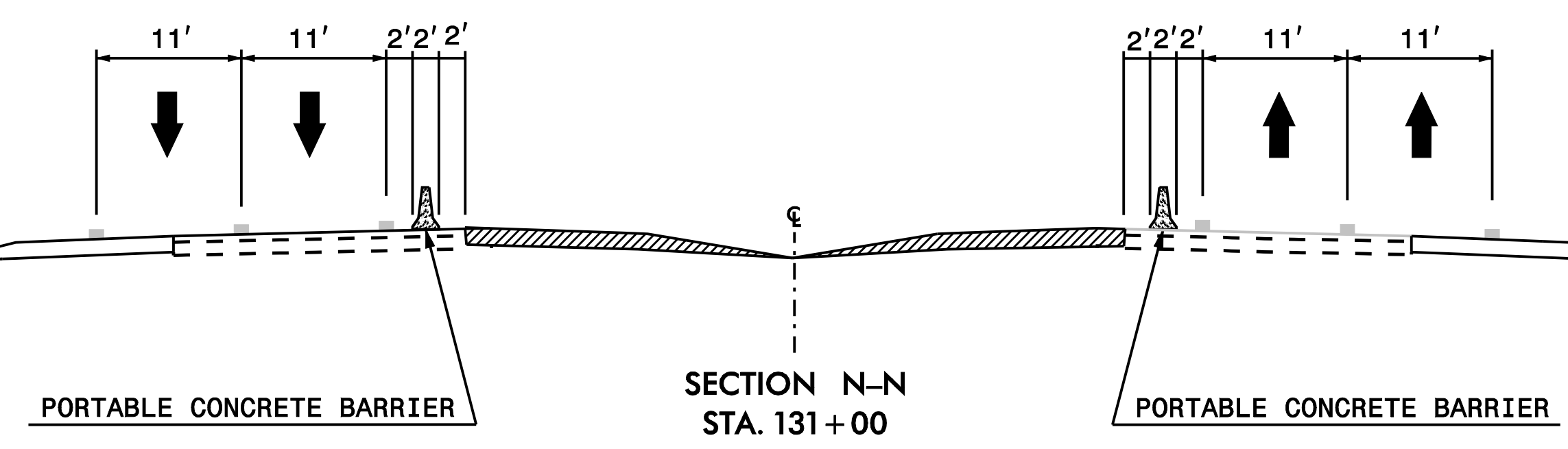
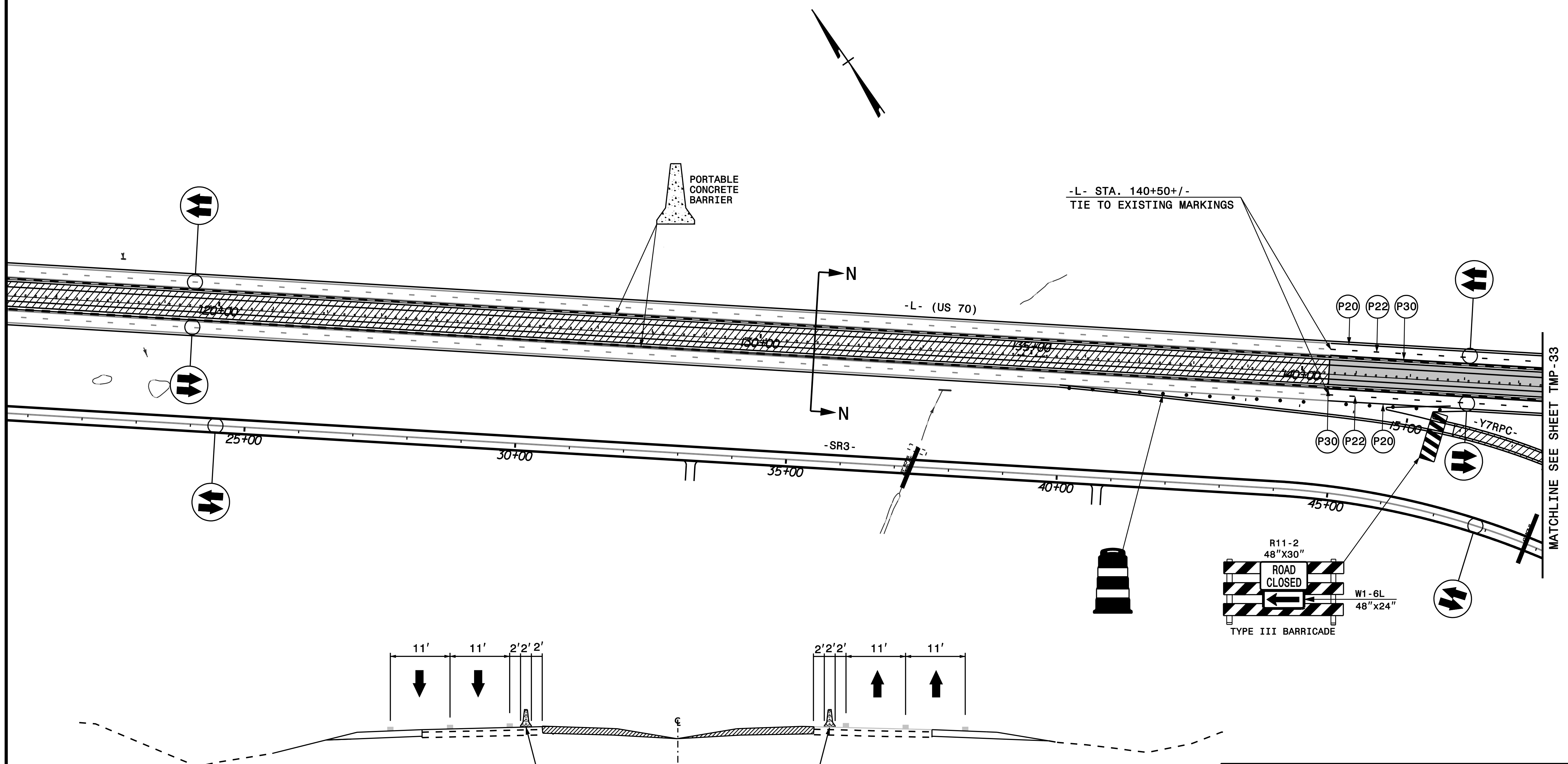
APPROVED: *Jim Gray* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 3 PHASE II DETAIL**





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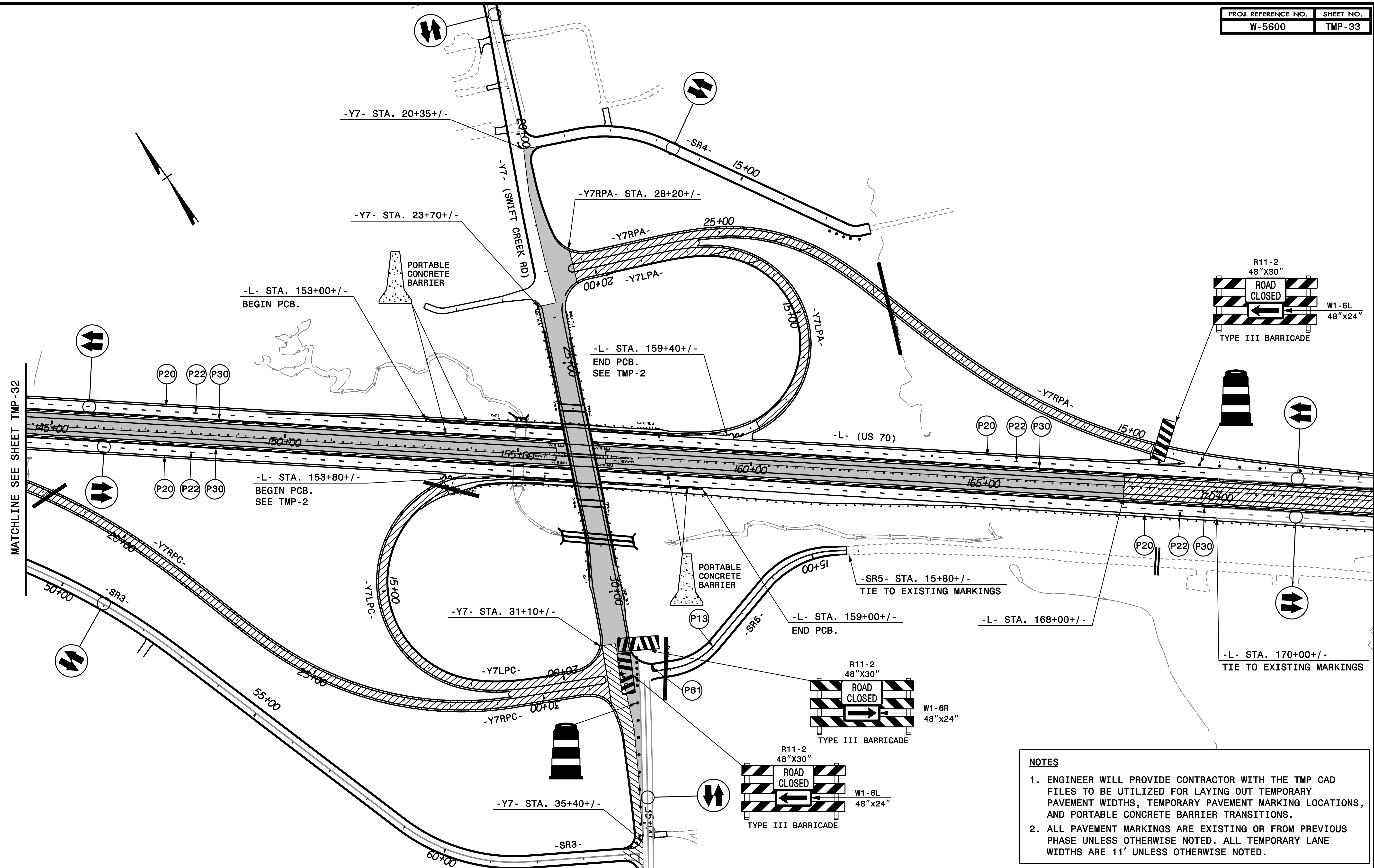
APPROVED: *[Signature]* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 3 PHASE IIA DETAIL**



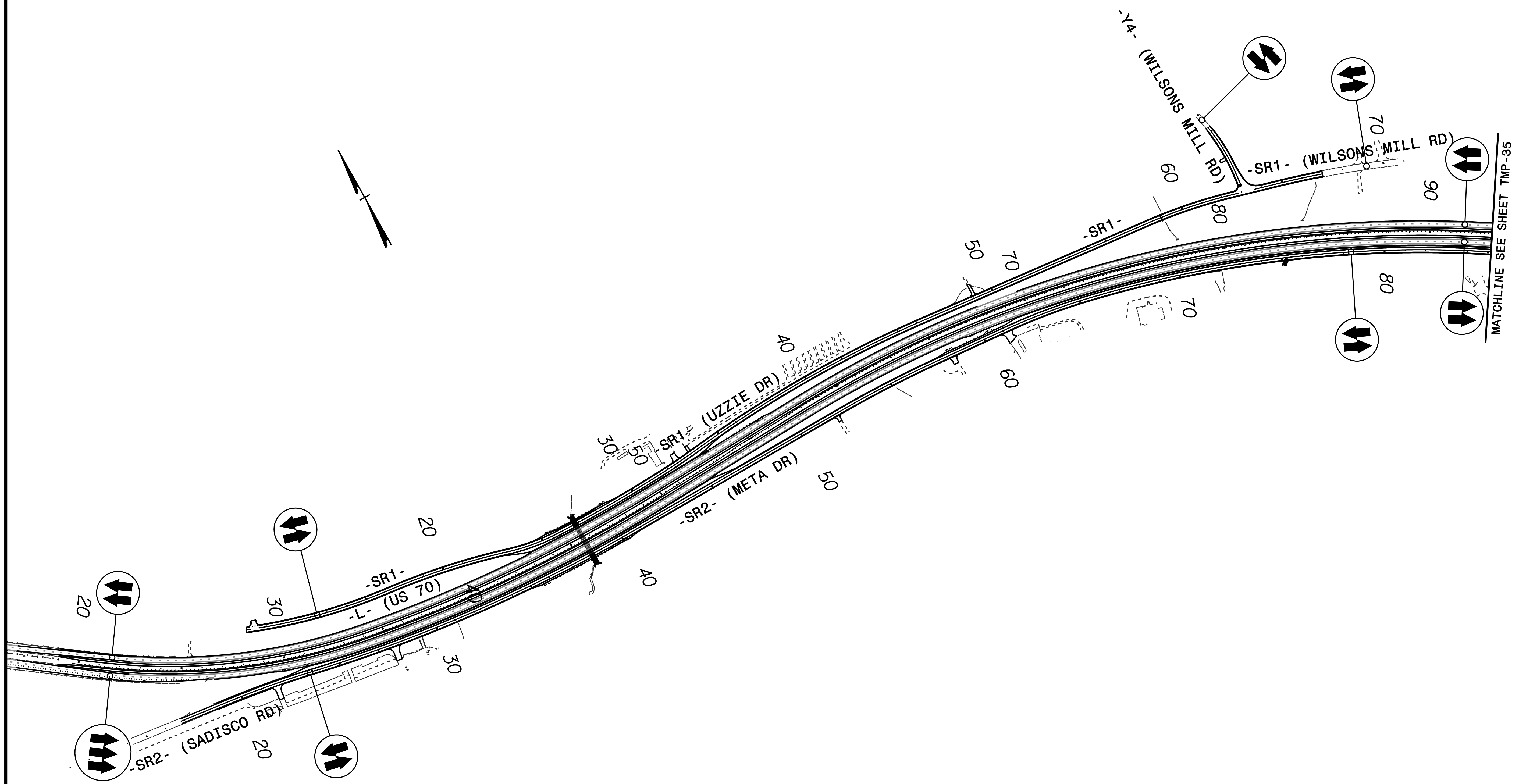


MATCHLINE SEE SHEET TMP-32

- NOTES**
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		<p>SEAL</p>	





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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

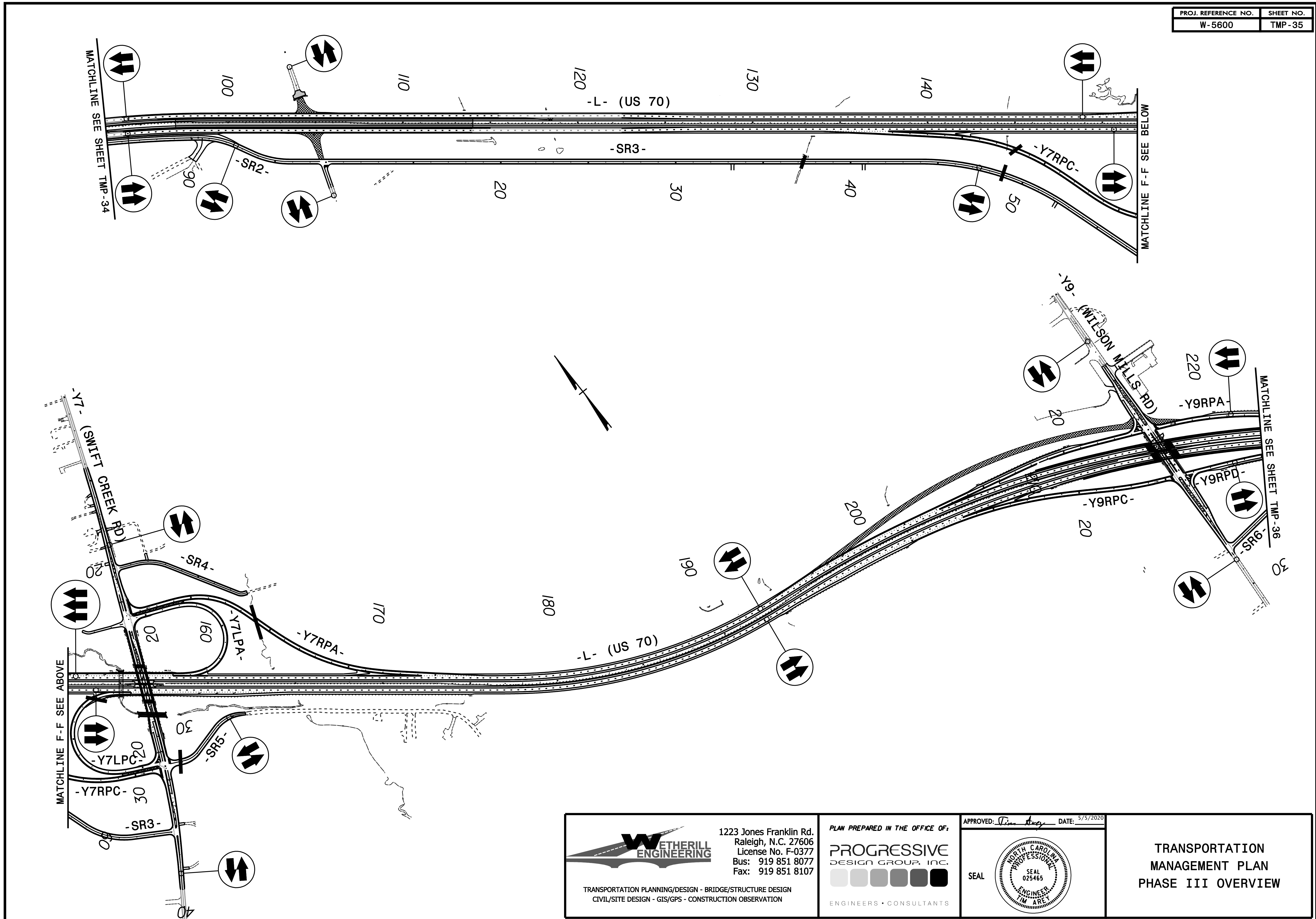
PLAN PREPARED IN THE OFFICE OF:  
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 ENGINEERS • CONSULTANTS

APPROVED: *[Signature]* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN  
 PHASE III OVERVIEW**





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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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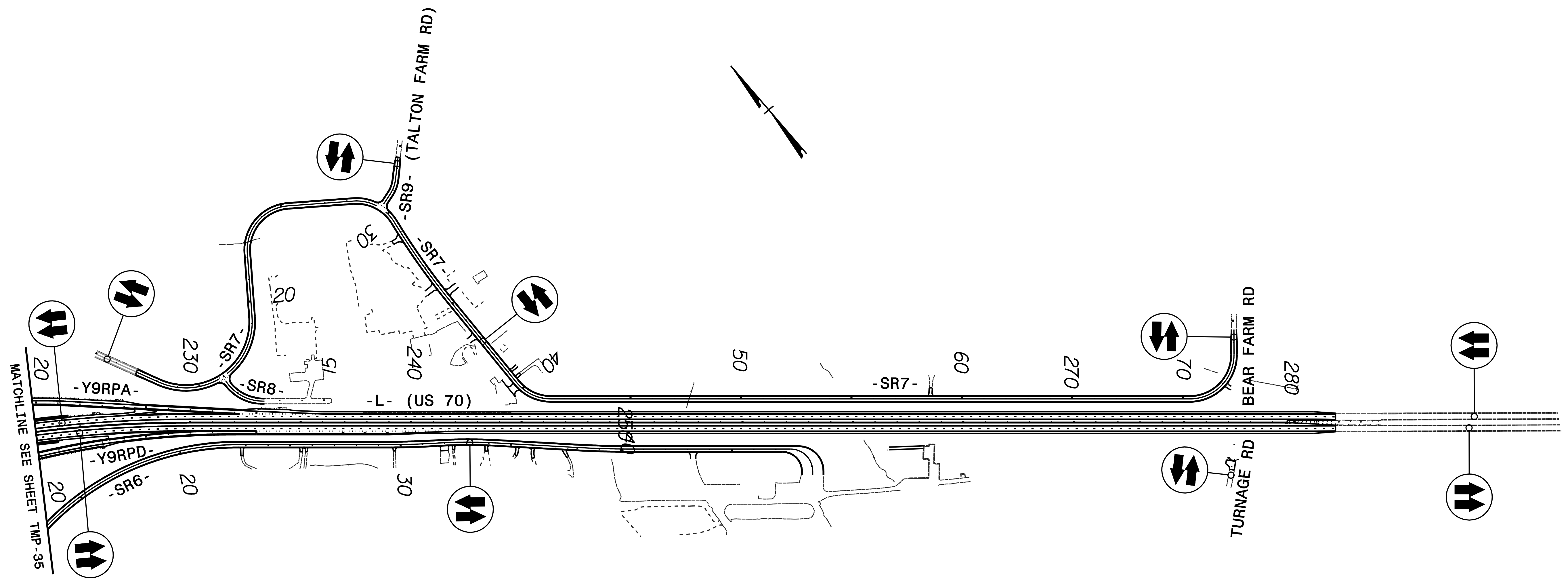
ENGINEERS • CONSULTANTS

APPROVED: *Tim Are* DATE: 5/5/2020

SEAL

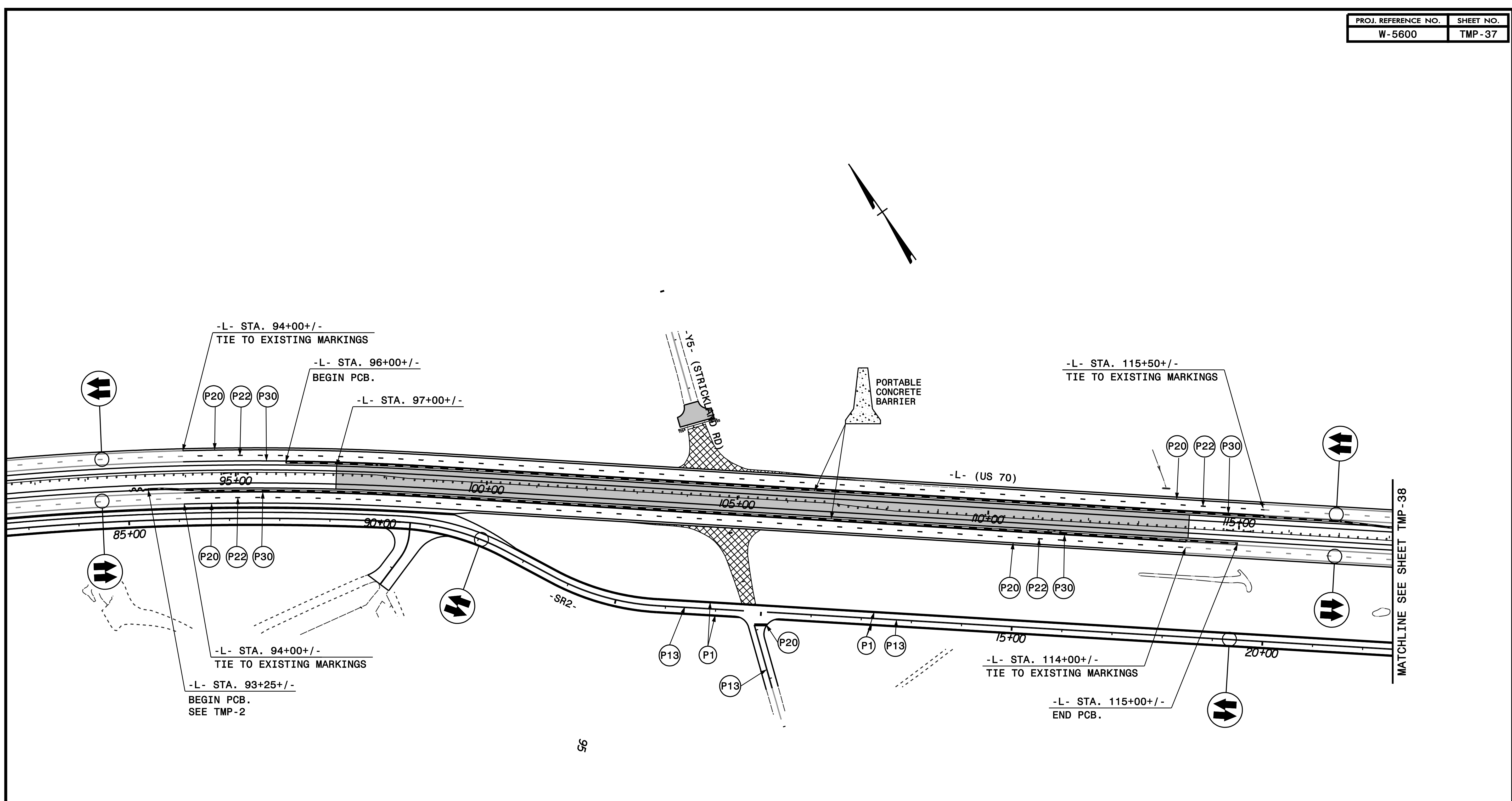
TRANSPORTATION  
MANAGEMENT PLAN  
PHASE III OVERVIEW





 <p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>PLAN PREPARED IN THE OFFICE OF:</p> <p><b>PROGRESSIVE</b> DESIGN GROUP, INC.</p>  <p>ENGINEERS • CONSULTANTS</p>	<p>APPROVED: <i>Tim Stey</i> DATE: 5/5/2020</p>	<p>TRANSPORTATION MANAGEMENT PLAN PHASE III OVERVIEW</p>
		<p>SEAL</p> 	





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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PLAN PREPARED IN THE OFFICE OF:

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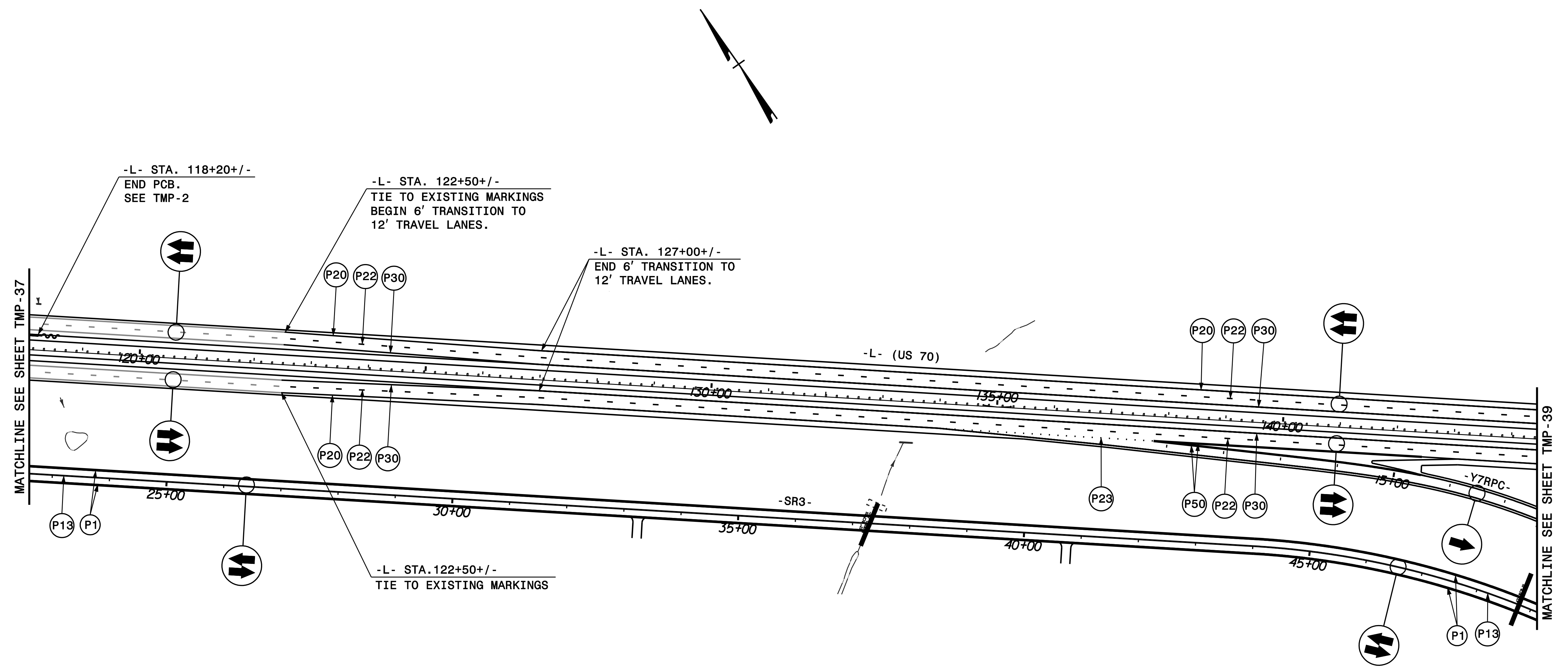
APPROVED: *[Signature]* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 1 PHASE III DETAIL**





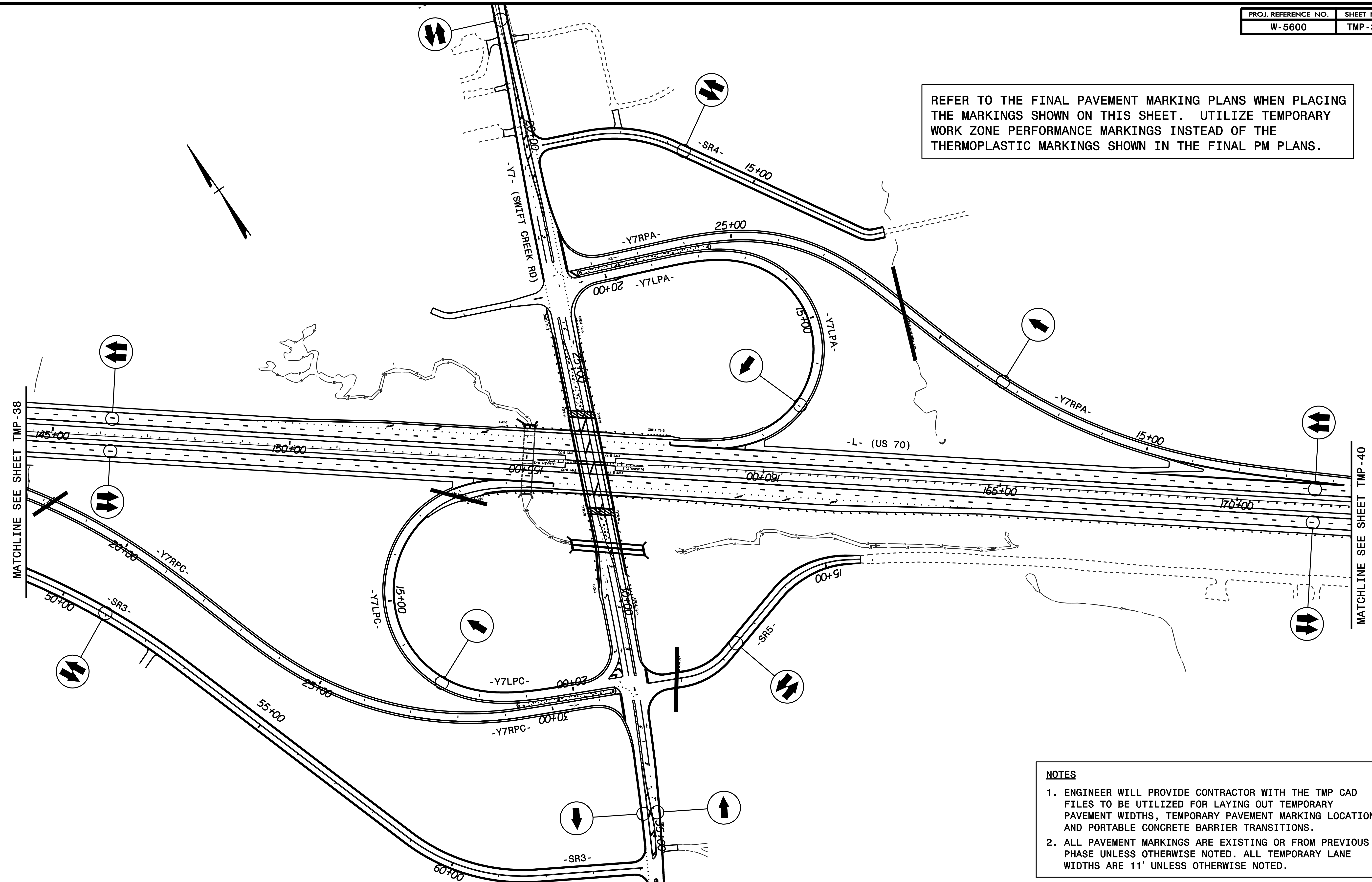
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REFER TO THE FINAL PAVEMENT MARKING PLANS WHEN PLACING THE MARKINGS SHOWN ON THIS SHEET. UTILIZE TEMPORARY WORK ZONE PERFORMANCE MARKINGS INSTEAD OF THE THERMOPLASTIC MARKINGS SHOWN IN THE FINAL PM PLANS.



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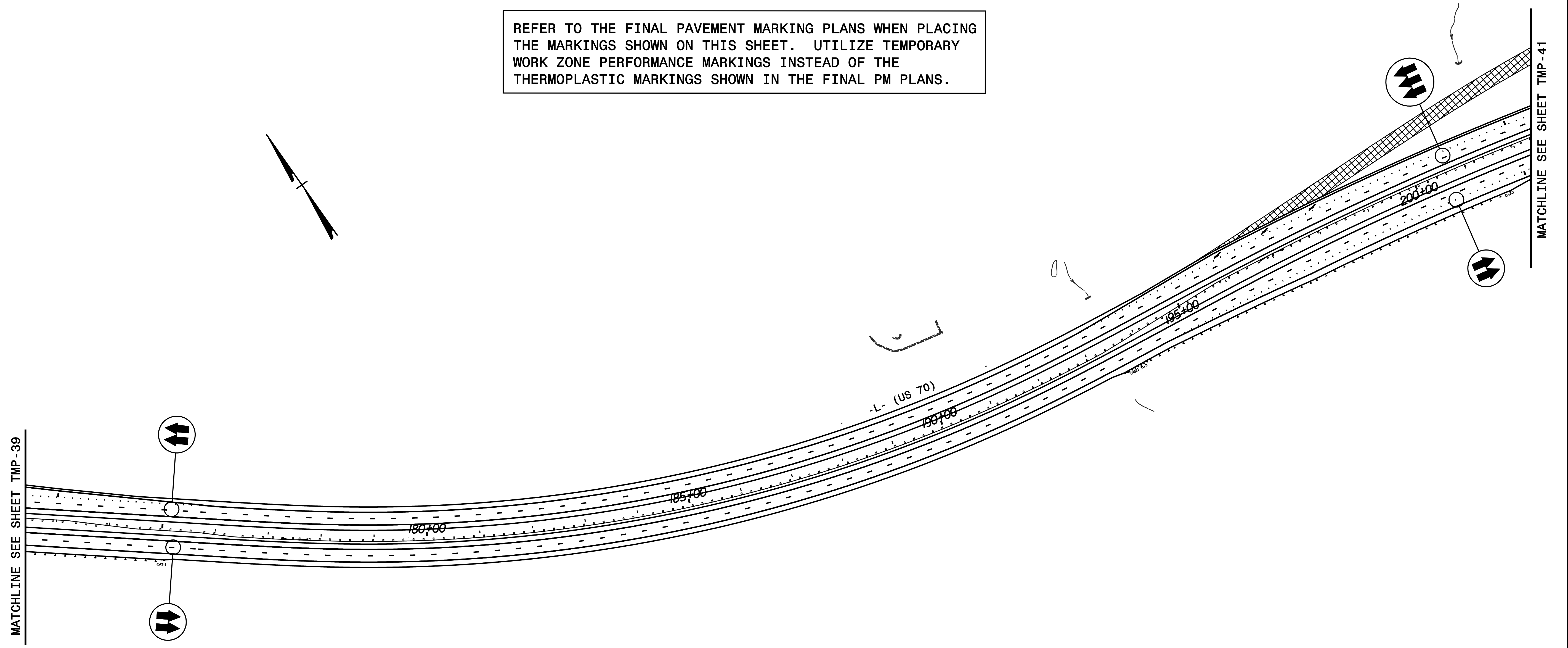
APPROVED: *Tim Stuy* DATE: 5/5/2020

SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 3 PHASE III DETAIL**

REFER TO THE FINAL PAVEMENT MARKING PLANS WHEN PLACING THE MARKINGS SHOWN ON THIS SHEET. UTILIZE TEMPORARY WORK ZONE PERFORMANCE MARKINGS INSTEAD OF THE THERMOPLASTIC MARKINGS SHOWN IN THE FINAL PM PLANS.



**NOTES**

- ENGINEER WILL PROVIDE CONTRACTOR WITH THE TMP CAD FILES TO BE UTILIZED FOR LAYING OUT TEMPORARY PAVEMENT WIDTHS, TEMPORARY PAVEMENT MARKING LOCATIONS, AND PORTABLE CONCRETE BARRIER TRANSITIONS.
- ALL PAVEMENT MARKINGS ARE EXISTING OR FROM PREVIOUS PHASE UNLESS OTHERWISE NOTED. ALL TEMPORARY LANE WIDTHS ARE 11' UNLESS OTHERWISE NOTED.

**WETHERILL ENGINEERING**

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PLAN PREPARED IN THE OFFICE OF:

**PROGRESSIVE DESIGN GROUP, INC.**

ENGINEERS • CONSULTANTS

APPROVED: *Tim Argy* DATE: 5/5/2020

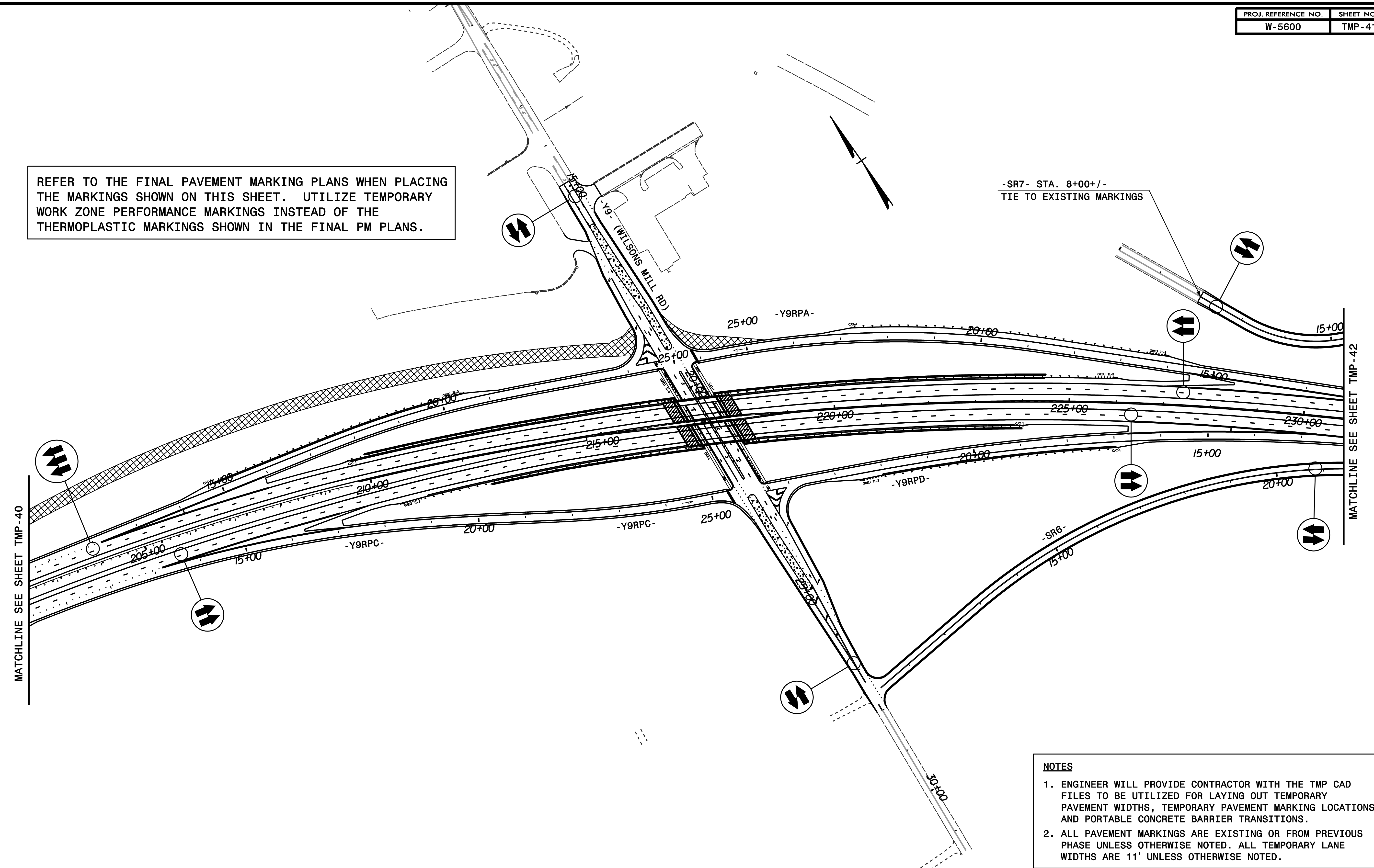
SEAL

**TRANSPORTATION MANAGEMENT PLAN**

**AREA 2 PHASE III DETAIL**



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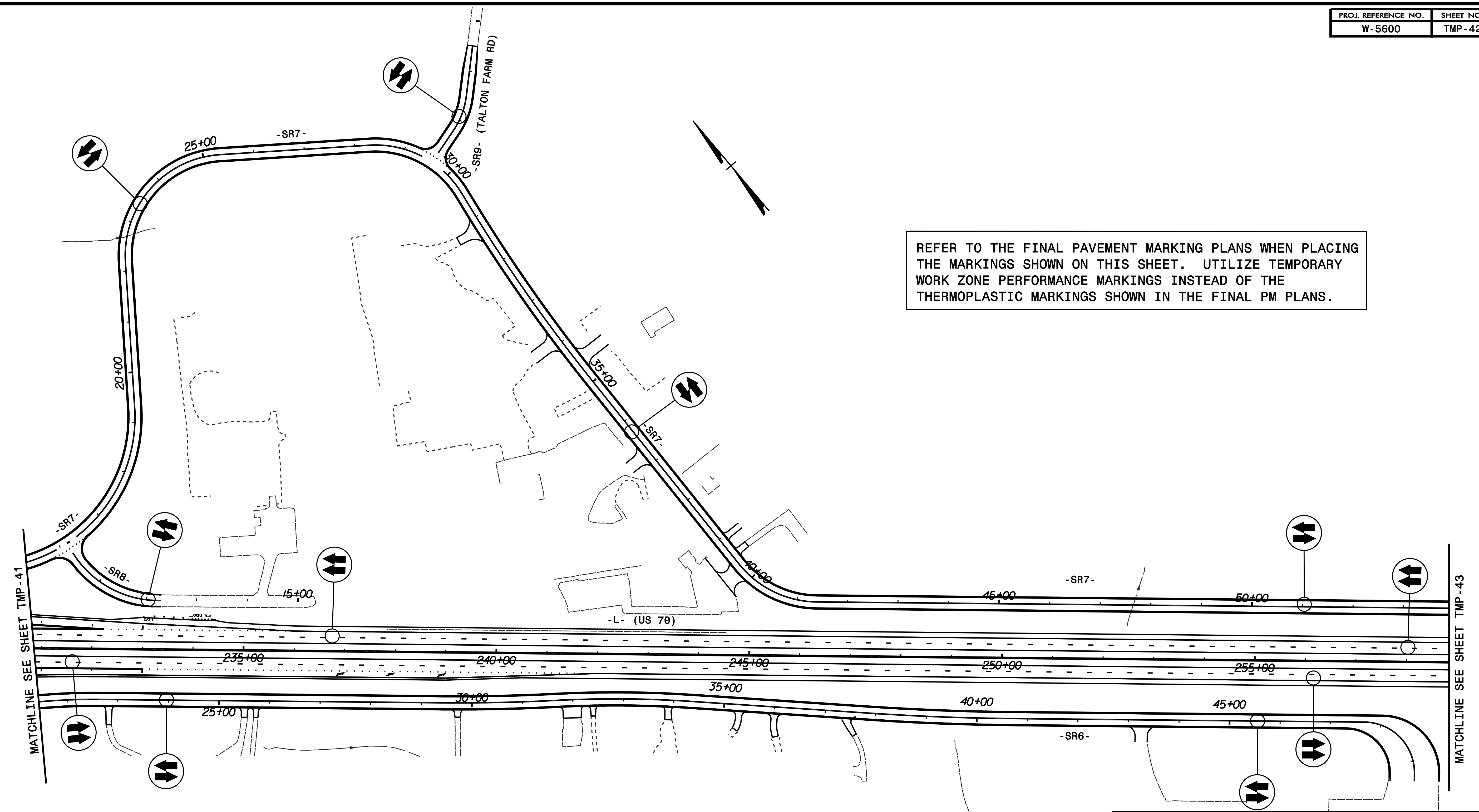
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APPROVED: *Tim Stey* DATE: 5/5/2020

SEAL

TRANSPORTATION  
MANAGEMENT PLAN  
AREA 2 PHASE III DETAIL



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MATCHLINE SEE SHEET TMP-41

MATCHLINE SEE SHEET TMP-43

- NOTES**
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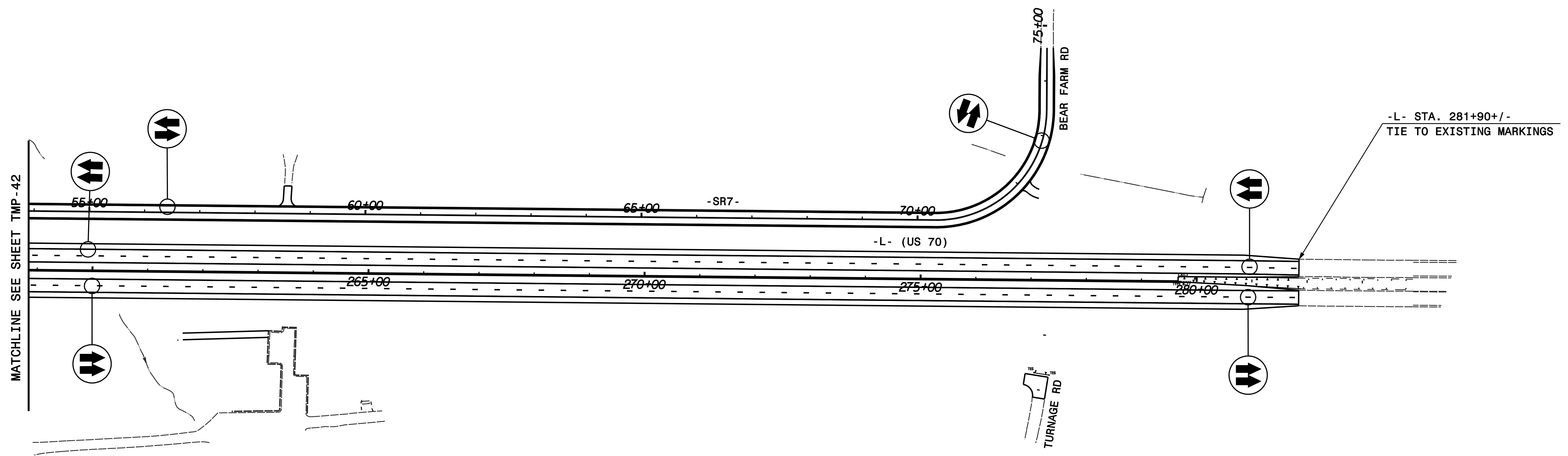
APPROVED: *[Signature]* DATE: 5/5/2020

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**TRANSPORTATION MANAGEMENT PLAN**  
**AREA 2 PHASE III DETAIL**



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PLAN PREPARED IN THE OFFICE OF:  
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APPROVED: *Jim Gray* DATE: 5/5/2020

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TRANSPORTATION  
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