

# MONOKO, LLC

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(727) 940-3244  
(727) 279-8795 Fax

**Submittal No.: 23e, Traffic Control Plans 63N & S (Crossroad TH NO 1)**

**Date: June 14, 2015**

**Vermont Department of Transportation**  
Northeast Regional Construction Office

Attn: Mr. Ron Gray  
347 Emerson Falls Road, Suite 5  
St. Johnsbury, VT 05819  
(Phone) (802) 751-3295; (Cell) (802) 793-3161  
(Fax) (802) 751-3297; [Ron.Gray@state.vt.us](mailto:Ron.Gray@state.vt.us)

**Description:** Proposal/Contract Number: Bradford-Newbury IM BPNT (14)  
Letting Date: 10/10/14; Award Date: 11/03/14  
Project Description: Bridge Painting of Five Bridges  
In the Towns of Bradford & Newbury, VT  
Contract Amount: \$4,327,785.00; Completion Date: 08/26/16

Contractor: **MONOKO, LLC**

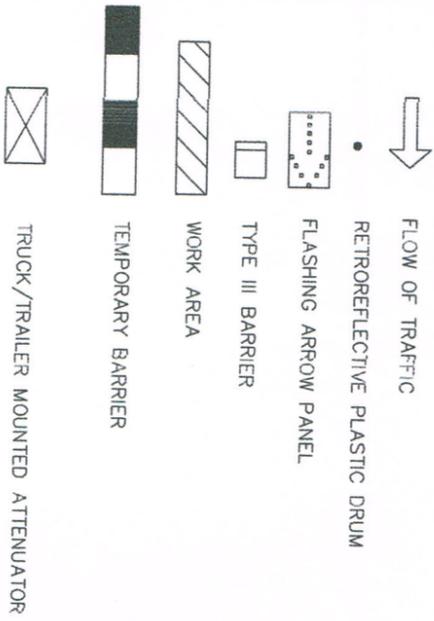
Reviewed & Approved By: ***Keri Manakandilos***  
Keri Monokandilos, Manager

Date: **06/14/2015**

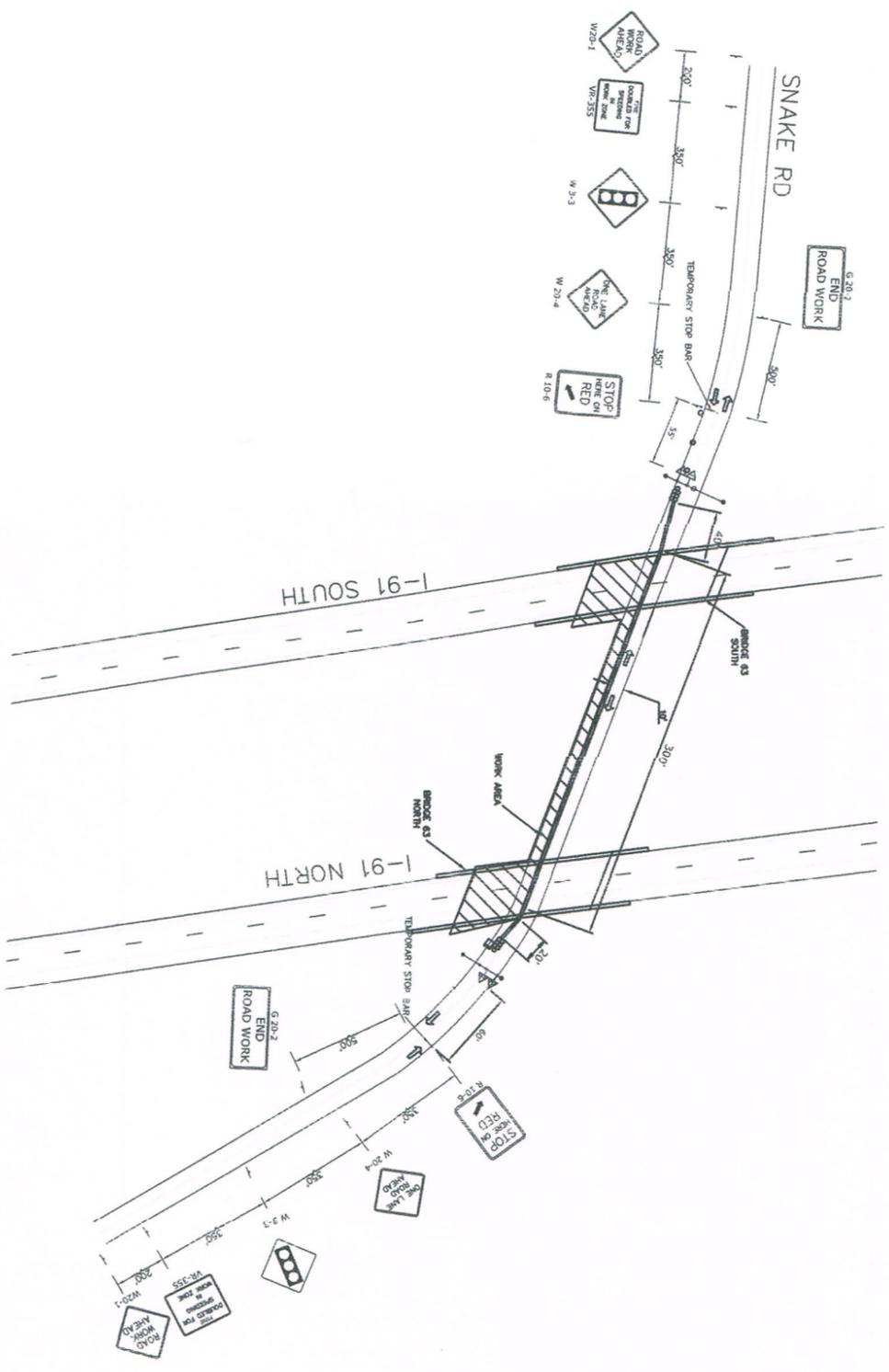
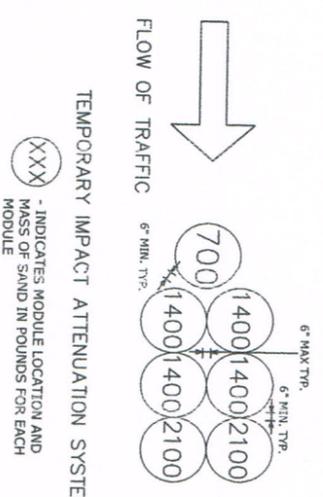
**Engineer:** Peter Hodgson, Resident Engineer  
347 Emerson Falls Road, Suite 5  
St. Johnsbury, VT 05819  
802-748-2447; 802-793-1878 cell  
[pete.hodgson@state.vt.us](mailto:pete.hodgson@state.vt.us)  
[Mark.Sargent@state.vt.us](mailto:Mark.Sargent@state.vt.us)

Revision:

**LEGEND**



- TRAFFIC CONTROL NOTES:**
1. THE EXISTING SPEED LIMIT FOR SNAKE ROADS IS 35 MPH.
  2. CONSTRUCTION SIGNS SHALL BE INSTALLED AS NOT TO OBSTRUCT EXISTING SIGNS.
  3. SOLID SUBSTRATE CONSTRUCTION SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (ASTM) D 4956 TYPE VI UNLESS OTHERWISE NOTED.
  4. ROLL UP SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (ASTM) D 4956, TYPE VI UNLESS OTHERWISE NOTED.
  5. CONSTRUCTION SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL WORK COMMENCES. DURING PERIODS OF INACTIVITY OR UPON COMPLETION OF THE WORK, EACH SIGN SHALL BE ERECTED IN A NEAT AND WORKMANLIKE MANNER.
  6. CONSTRUCTION SIGN COVERS SHALL CONSIST OF A PANEL, PAINTED FLAT BLACK, THE SAME SIZE AS THE SIGN IT COVERS. THE PANEL SHALL BE MADE OF WOOD, PLYWOOD, HARDBOARD OR ANY MATERIAL SATISFACTORY TO THE ENGINEER. NO MATERIAL WILL BE APPROVED UNLESS IT WILL NOT DEGRADE BY EXPOSURE TO THE WEATHER DURING THE PROJECT AND THE PANEL SHALL BE DONE IN SUCH A WAY AS TO NOT DAMAGE THE SIGN FACE MATERIAL.
  7. SIGNS SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION SATISFACTORY TO THE ENGINEER. THEY SHALL BE KEPT PLUMB AND ORIENTED TO THE ROAD. SIGNS SHALL BE REPAIRED, DAMAGED, DEFACED OR DESTROYED. SIGNS SHALL BE REPAIRED, CLEANED OR REPLACED AS ORDERED BY THE ENGINEER.
  8. NO CROSS-BRACING OR BACK-BRACING TO KEEP POSTS PLUMB WILL BE ALLOWED. CONCRETE FOUNDATIONS, COLLARS OR SOIL BEARING PLATES ARE NOT PERMITTED. CONSTRUCTION SIGNS SHALL BE PLACED ON TWO POSTS.



**MOVEMENT DIAGRAM**

NTOR	PHASE 1				PHASE 2			
	FLASH	GRN	CL	CL	GRN	CL	CL	CL
F	1	R	G	Y	R	R	R	R
A	2	R	R	R	G	Y	R	R
C								
E								
T								
H								
N								
E								
V								
L								
K								
S								

**WORK ACTIVITIES**

WORK UNDER THIS PHASE WILL BE THE INSTALLATION OF RIGGING AND CONTAINMENT SYSTEM UNDER THE SOUTHERN PORTION OF BRIDGE 63. THE SOUTHERN PORTION OF BRIDGE 63 WILL BE CLOSED TO TRAFFIC. THE SOUTHERN PORTION OF THE BRIDGES 63S AND 63N THE CONTAINMENT SYSTEM AT THIS LOCATION WILL BE REMOVED AND RELOCATED ON THE NORTHERN PORTION OF THE TWO BRIDGES.

TRAFFIC THROUGH THE WORK ZONE WILL BE CONTROLLED BY TEMPORARY TRAFFIC SIGNALS ON A SINGLE ALTERNATING ONE WAY 10' WIDE TRAVEL PATH ON EXISTING PAVEMENT.

ALL WORK WILL BE PERFORMED BEHIND PRECAST CONCRETE BARRIER CURB. WORKING EQUIPMENT AND SUPPLIES WILL BE STORED ON THE SOUTHEAST CURBLINE ON EXISTING PAVEMENT AND GRAVEL SHOULDER AS NECESSARY.

TOWN	BRIDGE NO.	1-91 2012 AADT	CROSSROAD	GROSSROAD 2012 AADT
NEWBURY	63N & 63S	2750	SNAKE ROAD	NOT AVAILABLE



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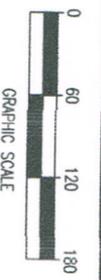
Prepared For:  
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1037 PENINSULA AVENUE  
TARPON SPRINGS, FL  
(737) 940-3244

**TRAFFIC CONTROL PLAN  
LANE AND SHOULDER CLOSURE  
BRIDGE 63**



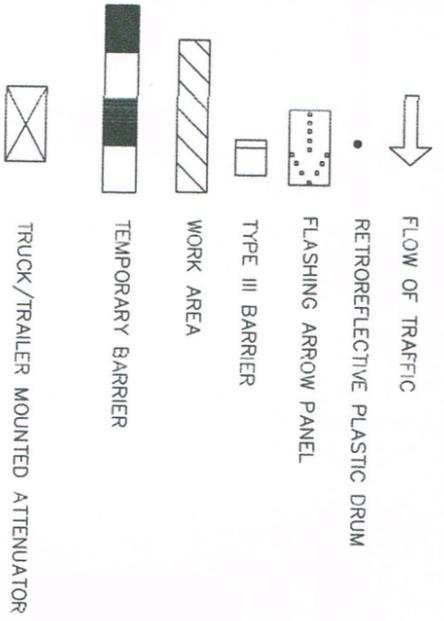
PROJECT NO.: 70270  
DRAWN BY: CMS  
DATE: APRIL 2015  
CHECKED BY: JAK



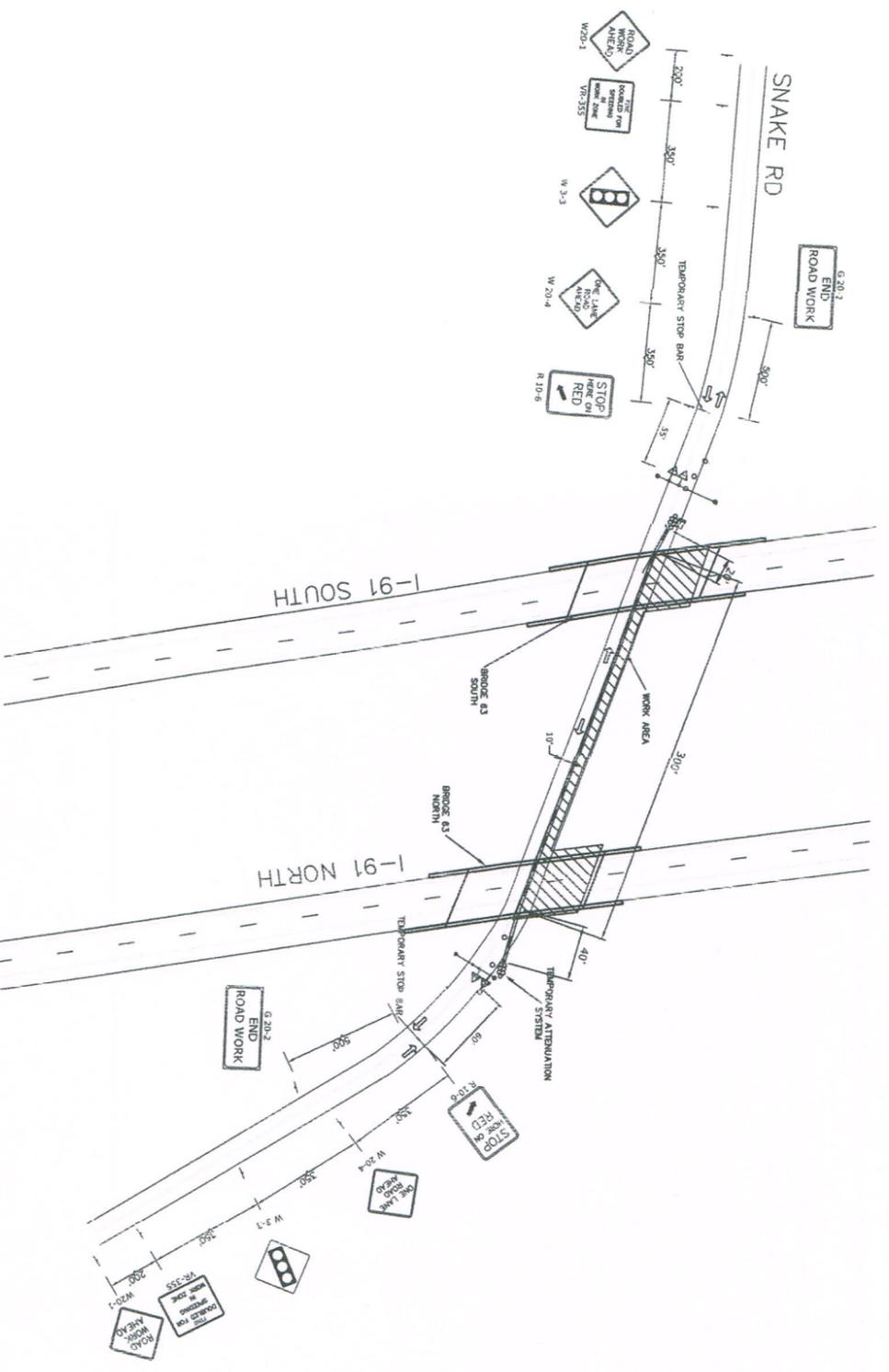
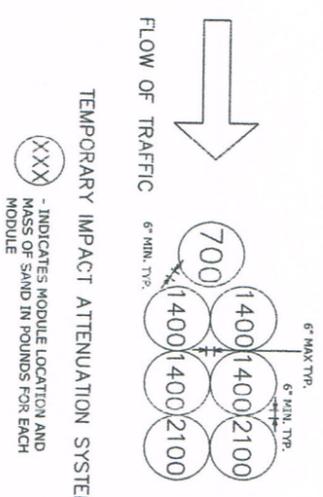
DRAWING NO.:  
STAGE 1  
1 OF 1

DATE	REVISION
6-12-15	EQUIP. TRAILING END BARRIER LAYOUT

**LEGEND**



- TRAFFIC CONTROL NOTES:**
1. THE EXISTING SPEED LIMIT FOR SNAKE ROADS IS 35 MPH.
  2. CONSTRUCTION SIGNS SHALL BE INSTALLED AS NOT TO OBSTRUCT EXISTING SIGNS.
  3. SOLID SUBSTRATE CONSTRUCTION SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 208 "TESTING AND MATERIALS" (ASTM) D 4950 TYPE VI UNLESS OTHERWISE NOTED.
  4. ROLL UP SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 208 "TESTING AND MATERIALS" (ASTM) D 4950 TYPE VI UNLESS OTHERWISE NOTED.
  5. CONSTRUCTION SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL WORK COMMENCES. DURING PERIODS OF INACTIVITY OR UPON COMPLETION OF THE WORK, EACH SIGN SHALL BE ERECTED IN A NEAT AND WORKMANLIKE MANNER.
  6. CONSTRUCTION SIGN COVERS SHALL CONSIST OF A PANEL, PAINTED FLAT BLACK, THE SAME SIZE AS THE SIGN IT COVERS. THE PANEL SHALL BE MADE OF WOOD, PLYWOOD, HARDBOARD OR ANY MATERIAL THAT WILL NOT BE DAMAGED BY EXPOSURE TO THE WEATHER DURING THE PROJECT. MOUNTING OF SIGN COVERS SHALL BE DONE IN SUCH A WAY AS TO NOT DAMAGE THE SIGN FACE MATERIAL.
  7. SIGNS SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION. SIGNPOSTS TO THE ENGINEER, THEY SHALL BE KEPT PLUMB AND OR DIRTY SIGNS SHALL BE REPAIRED, CLEANED OR REPLACED AS ORDERED BY THE ENGINEER.
  8. NO CROSS-BRACING OR BACK-BRACING TO KEEP POSTS PLUMB WILL BE ALLOWED. CONCRETE FOUNDATIONS, COLLARS OR SOIL BEARING SHALL NOT BE PERMITTED. CONSTRUCTION SIGNS SHALL BE PLACED ON TWO (2) POSTS.



**MOVEMENT DIAGRAM**

NTOR	PHASE 1				PHASE 2			
	FLASH	GRN	CL	CL	GRN	CL	CL	CL
F	1	R	G	Y	R	R	R	R
A	2	R	R	R	R	Y	R	R
C								
E								
MIN GRN			1.0			1.0		
YELLOW				3.0			3.0	
RED					30.0			30.0

**WORK ACTIVITIES**

WORK UNDER THIS PHASE WILL BE THE INSTALLATION OF SIGNS AND CONTAINMENT SYSTEM UNDER THE NORTHERN PORTION OF BRIDGES 63S AND 63N AND GRABO PAINTING THE NORTH-BER PORTION OF THE BRIDGES 63S AND 63N THE CONTAINMENT SYSTEM AT THIS LOCATION WILL REMOVED AND TRAFFIC WILL BE RETURNED TO ITS PRE CONSTRUCTION LOCATION

TRAFFIC THROUGH THE WORK ZONE WILL BE CONTROLLED BY TEMPORARY TRAFFIC SIGNALS ON A SINGLE ALTERNATING ONE WAY 10' WIDE TRAVEL PATH ON EXISTING PAVEMENT

ALL WORK WILL BE PERFORMED BEHIND PRECAST CONCRETE BARRIER CURB. WORKERS, EQUIPMENT AND SUPPLIES WILL BE HELD BEHIND THE CURB AT ALL TIMES. THE CURB WILL BE PLACED AT THE NORTHWEST CORNERLINE ON EXISTING PAVEMENT AND GRANUL SHOULDER AS NECESSARY.

TOWN	BRIDGE NO.	1-91 2012 AADT	CROSSROAD	CROSSROAD 2012 AADT
NEWBURY	63N & 63S	2750	SNAKE ROAD	NOT AVAILABLE



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Prepared For:  
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1037 PENINSULA AVENUE  
TARPOON SPRINGS, FL  
(737) 940 - 3244

**TRAFFIC CONTROL PLAN  
LANE AND SHOULDER CLOSURE  
BRIDGE 63**



PROJECT NO.: 70270

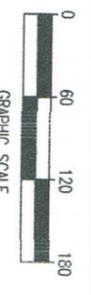
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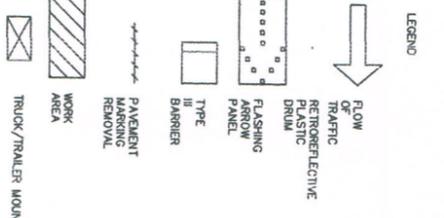
DATE: APRIL 2015

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1 OF 1





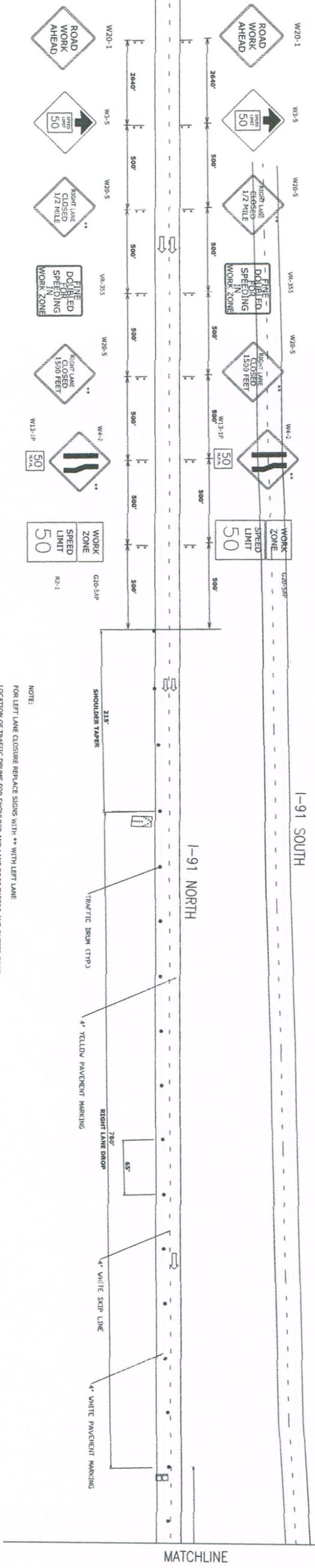
- TRAFFIC CONTROL NOTES - 1291:**
1. THE EXISTING SPEED LIMIT FOR I-91 IS 65 MPH. THE SPEED LIMIT WILL BE REDUCED TO 50 MPH IN THE WORK ZONE AND IN THE REDUCTION AREA. ANY EXISTING SPEED LIMIT SIGNS WITHIN THE SPEED REDUCTION AREA SHALL BE COMPLETELY COVERED.
  2. CONSTRUCTION SIGNS SHALL BE INSTALLED AS NOT TO OBSTRUCT EXISTING SIGNS.
  3. SOLID SUBSTRATE CONSTRUCTION SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (ASTM) D-49561 TYPE VI UNLESS OTHERWISE NOTED.
  4. FLOW UP SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (ASTM) D-268 TYPE VI UNLESS OTHERWISE NOTED.
  5. CONSTRUCTION SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL WORK COMMENCES. DURING CONSTRUCTION, SIGNS SHALL BE ERECTED IN A NEW AND WORKSAPLE PATTERN.
  6. CONSTRUCTION SIGN COVERS SHALL CONSIST OF A PANEL, PAINTED WITH THE MESSAGE TO BE DISPLAYED. THE PANEL SHALL BE MADE OF WOOD, PLWOOD, HARDBOARD, OR METAL. THE PANEL SHALL BE PROTECTED BY EXPOSURE TO THE WEATHER DURING THE CONSTRUCTION PHASE. THE SIGN SHALL BE REMOVED AS SOON AS TO NOT DAMAGE THE SIGN FACE MATERIAL.
  7. SIGNS SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION THROUGHOUT THE CONSTRUCTION PHASE. SIGNS SHALL BE REPAIRED OR DIRTY SIGNS SHALL BE REPAIRED, CLEANED OR REPLACED AS ORDERED BY THE ENGINEER.
  8. NO CROSS-BRACING OR BACK-BRACING TO KEEP POSTS FROM WILL BE ALLOWED. CONCRETE FOUNDATIONS, COLLARS OR SOIL BEARING CAPS SHALL BE INSTALLED. CONSTRUCTION SIGNS SHALL BE PLACED ON TWO POSTS.

**WORK ACTIVITIES**

WORK UNDER THIS PHASE WILL BE THE INSTALLATION OF RIGGING AND CONTAINMENT SYSTEM UNDER BRIDGE FOR PAINTING THE STEEL COMPONENTS OF THE BRIDGE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRAFFIC CONTROL PATTERN WILL BE UTILIZED TO REMOVE RIGGING AND CONTAINMENT SYSTEMS.

THE RIGHT TRAVEL PATH AND SHOULDER ON I-91 WILL BE CLOSED TO TRAFFIC DURING THIS CONSTRUCTION PHASE.

ALL EQUIPMENT WILL BE LOCATED IN THE RIGHT SHOULDER WITHIN THE BRIDGE LIMITS. NOS EQUIPMENT WILL BE STORED IN THE WORK ZONE UNLESS THE CONTRACTOR IS ACTIVELY WORKING.



**NOTE:**

FOR LEFT LANE CLOSURE REPLACE SIGNS WITH \*\* WITH LEFT LANE LOCATION OF TRAFFIC DRUMS FOR SHOULDER AND LANE DROP TAPER AND BUFFER ZONE TO BE MIRROR IMAGE OF RIGHT LANE CLOSURE.

TOWN	BRIDGE NO.	1-91 2012 AADT	CROSSROAD	CROSSROAD 2012 AADT
BRADFORD	63N & 63S	NB 2750	TH NO. 1 (SNAKE ROAD)	SUM OF BOTH DIRECTIONS NOT AVAILABLE



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1037 PENINSULA AVENUE  
TARPON SPRINGS, FL  
(737) 940 - 3244

**TRAFFIC CONTROL PLAN**  
**RIGHT LANE AND SHOULDER CLOSURE**  
**BRIDGE 63**  
**I-91 NB**

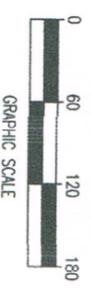


PROJECT NO.: 70270

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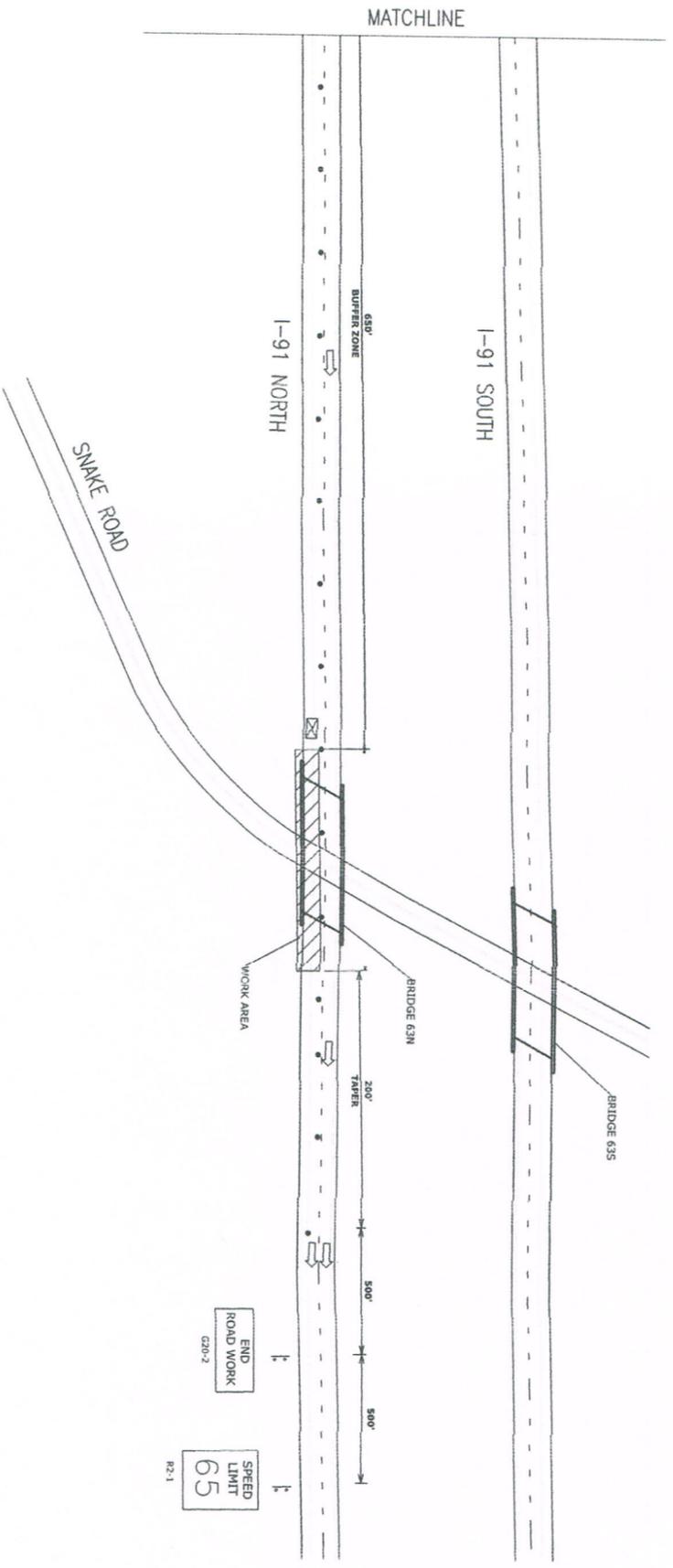
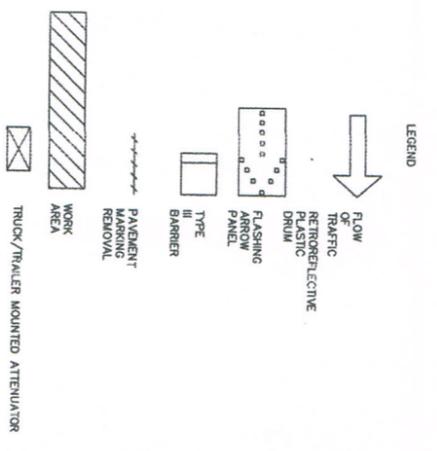
DATE: JUNE 2015

CHECKED BY: JAK



DRAWING NO.:  
I-91 NB RIGHT  
1 OF 2

DATE	REVISION



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**TRAFFIC CONTROL PLAN**  
**RIGHT LANE AND SHOULDER CLOSURE**  
**BRIDGE 63**  
**I-91 NB**



PROJECT NO.: 70270

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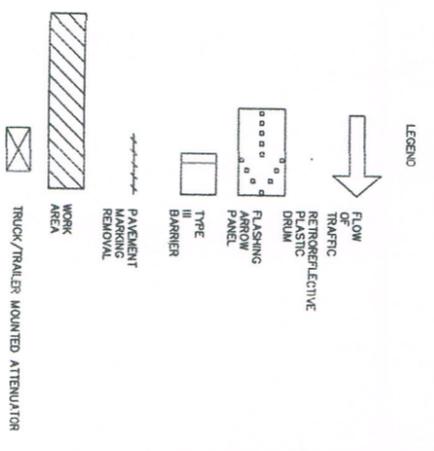
DATE: JUNE 2015

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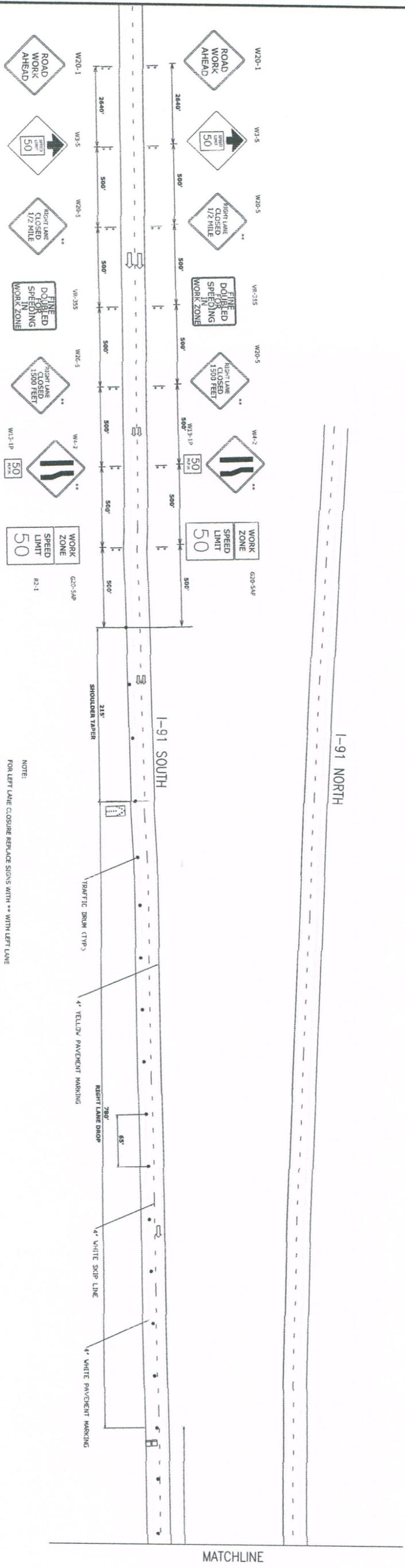
DRAWING NO.:  
 I-91 NB RIGHT  
 2 OF 2

DATE	REVISION



- TRAFFIC CONTROL NOTES - I-91:**
- THE EXISTING SPEED LIMIT FOR I-91 IS 65 MPH. THE SPEED LIMIT SHALL BE REDUCED TO 50 MPH FOR THIS PROJECT. ANY EXISTING SPEED LIMIT SIGNS WITHIN THE SPEED REDUCTION AREA SHALL BE COMPLETELY COVERED.
  - CONSTRUCTION SIGNS SHALL BE INSTALLED AS NOT TO OBSTRUCT EXISTING SIGNS.
  - SOLID SUBSTRATE CONSTRUCTION SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 288 "AMERICAN SOCIETY FOR TESTING AND MATERIALS" (ASTM) D 49580 TYPE VI UNLESS OTHERWISE NOTED.
  - ROLL UP SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING THE "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 288 "AMERICAN SOCIETY FOR TESTING AND MATERIALS" (ASTM) D 49580 TYPE VI UNLESS OTHERWISE NOTED.
  - CONSTRUCTION SIGNS SHALL BE ERRECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL WORK COMMENCES. DURING PERIODS OF INACTIVITY OR UPON COMPLETION OF THE WORK, EACH SIGN SHALL BE ERRECTED IN A NEAT AND UNOBSTRUCTIVE MANNER.
  - CONSTRUCTION SIGN COVERS SHALL CONSIST OF A PANEL, PAINTED TO MATCH THE SURFACE OF THE SIGN IT COVERS. THE PANEL SHALL BE MADE OF A DURABLE MATERIAL AND SHALL BE APPLIED TO THE SIGN IN A MANNER THAT WILL DESTABILIZE BY EXPOSURE TO THE WEATHER DURING THE LIFE OF THE SIGN. THE SIGN SHALL BE REMOVED AS SOON AS POSSIBLE TO NOT DAMAGE THE SIGN FACE MATERIAL.
  - SIGNS SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. SIGNS THAT ARE DAMAGED OR DIRTY SIGNS SHALL BE REPAIRED, CLEANED OR REPLACED AS ORDERED BY THE ENGINEER.
  - NO CROSS-BRACING OR BACK-BRACING TO KEEP POSTS PLUMB WILL BE ALLOWED. CONCRETE FOUNDATIONS, COLLARS OR SOIL BEARING SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. CONSTRUCTION SIGNS SHALL BE PLACED ON TWO POSTS.

- WORK ACTIVITIES**
- WORK UNDER THIS PHASE WILL BE THE INSTALLATION OF RIGGING AND CONTAINMENT SYSTEMS WITHIN THE BRIDGE STRUCTURE. THE BRIDGE STRUCTURE SHALL BE PROTECTED FROM DAMAGE UPON COMPLETION OF BRIDGE PAINTING AND TRAFFIC CONTROL SYSTEMS. THE RIGHT TRAVEL PAVEMENT AND SHOULDER ON I-91 WILL BE CLOSED TO TRAFFIC DURING THIS CONSTRUCTION PHASE.
- ALL EQUIPMENT WILL BE LOCATED IN THE RIGHT SHOULDER WITHIN THE BRIDGE LIMITS. NOS EQUIPMENT WILL BE STORED IN THE WORK ZONE UNLESS THE CONTRACTOR IS ACTIVELY WORKING.



**NOTE:**  
FOR LEFT LANE CLOSURE REPLACE SIGNS WITH \*\* WITH LEFT LANE LOCATION OF TRAFFIC DRUMS FOR SHOULDER AND LANE DROP TAPERS AND BUFFER ZONE TO BE FINISHED SHAPE OF RIGHT LANE CLOSURE.

TOWN	BRIDGE NO.	1-91	1-91	2012	AAOT	CROSSROAD	SAID	AAOT
BRADFORD	63N & 63S	NB	2750	2750	SB	TH NO. 1	SMOKE ROAD	NOT AVAILABLE



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**TRAFFIC CONTROL PLAN  
RIGHT LANE AND SHOULDER CLOSURE  
BRIDGE 63  
I-91 SB**

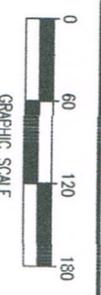


PROJECT NO.: 70270

DRAWN BY: CMS

DATE: JUNE 2015

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DRAWING NO.:  
I-91 SB RIGHT  
1 OF 2

DATE	REVISION

