



STANDARD DRAWING LIST
DECEMBER 2016

DRAWING NUMBER	DRAWING NAME (additional required drawings in parentheses)	REVISION DATE	DRAWING NUMBER	DRAWING NAME (additional required drawings in parentheses)	REVISION DATE
<input checked="" type="checkbox"/> 212-1	Temporary Erosion and Sediment Control - Example Applications	12-16	<input type="checkbox"/> 611-1	Cattle Guard Type A	12-12
<input type="checkbox"/> 212-2	Temporary Erosion and Sediment Control - Slope Drains (requires 212-1, 212-5, 608-1, & 706-6)	11-13	<input type="checkbox"/> 611-2	Cattle Guard, Pavement Markings	05-16
<input type="checkbox"/> 212-3	Temporary Erosion and Sediment Control - Silt Fence, Fiber Wattle, and Compost Sock (requires 212-1)	02-13	<input type="checkbox"/> 613-1	Bullnose Crash Cushion	12-15
<input type="checkbox"/> 212-4	Temporary Erosion and Sediment Control - Sediment Trap (requires 212-1)	11-13	<input type="checkbox"/> 614-1	Sidewalks	05-15
<input type="checkbox"/> 212-5	Temporary Erosion and Sediment Control - Diversion Channel, Ditch, Swale, Dike, Berm, Waterbar, and Rolling Dip (requires 212-1)	12-16	<input type="checkbox"/> 614-2	Driveways	05-15
<input type="checkbox"/> 212-6	Temporary Erosion and Sediment Control - Stabilized Construction Entrance and Vehicle Washdown (requires 212-1)	12-16	<input type="checkbox"/> 614-3	Curb Ramps	05-15
<input checked="" type="checkbox"/> 212-7	Temporary Erosion and Sediment Control - Inlet Protection (requires 212-1)	02-13	<input type="checkbox"/> 615-1	Curb and Gutter	12-14
<input type="checkbox"/> 212-10	Permanent Erosion Control and Sediment Control - Gabion and Revet Mattress	02-13	<input type="checkbox"/> 617-1	Delineators	05-16
<input type="checkbox"/> 212-11	Permanent Erosion Control and Sediment Control - Stone Filter Berms, Dams and Weirs (requires 212-10)	02-13	<input type="checkbox"/> 617-2	Milepost Assemblies	12-15
<input type="checkbox"/> 212-12	Permanent Erosion Control and Sediment Control - Slope and Channel Protection (requires 212-10)	11-14	<input type="checkbox"/> 618-1	Marker Post, Witness Posts, and Street Monuments	12-15
<input type="checkbox"/> 212-15	Petroleum Storage Area (requires 212-5)	11-13	<input type="checkbox"/> 628-1	Snow Poles	05-14
<input type="checkbox"/> 212-16	Temporary Concrete Washout	11-13	<input type="checkbox"/> 634-1	Mailboxes	01-13
<input checked="" type="checkbox"/> 409-1	Portland Cement Concrete Pavement	05-13	<input type="checkbox"/> 634-2	Mailbox Snow Shield	05-15
<input type="checkbox"/> 409-2	Portland Cement Concrete Pavement Ramp Gore Details (requires 409-2)	05-16	<input type="checkbox"/> 706-6	Corrugated Metal Pipe Watertight Coupling Bands	03-05
<input type="checkbox"/> 411-1	Urban Concrete Pavement	10-11	<input type="checkbox"/> C-2-A	Shoulder Rumble Strips and Rumble Stripes	05-14
<input type="checkbox"/> 411-2	Urban Concrete Pavement Manhole Collars (requires 605-13)	10-11	<input type="checkbox"/> C-2-C	Centerline Rumble Strips For Two-Way Roadways	09-11
<input type="checkbox"/> 601-1	Pipe and Conduit Installation	05-16	F-2-A	See Standard Drawings 610-1 & 610-3	N/A
<input type="checkbox"/> 605-1	Storm Sewer Pipe, 12" Thru 30" Slotted Drain (requires 706-6)	05-14	F-2-B	Discontinued	N/A
<input type="checkbox"/> 605-10	Manhole Type A (requires 605-13)	12-12	F-2-C	See Standard Drawing 610-2	N/A
<input type="checkbox"/> 605-11	Manhole Type B (requires 605-13)	10-10	F-2-D	See Standard Drawing 610-1 & 610-2	N/A
<input type="checkbox"/> 605-12	Manhole Types C & D (requires 605-13)	05-07	F-2-E	See Standard Drawings 610-1 & 610-3	N/A
<input type="checkbox"/> 605-13	Manhole Frame, Cover, & Concrete Collar	05-07	<input type="checkbox"/> G-1-A-1	Guardrail Slope Treatment Types A & B	08-11
<input type="checkbox"/> 605-20	Inlets & Catch Basins, Types 1, 2, & 3	10-10	<input type="checkbox"/> G-1-A-2	W-Beam Guardrail Installation Assemblies	12-10
<input type="checkbox"/> 605-21	Inlets & Catch Basins, Types 1A, 2A, & 3A	11-08	<input type="checkbox"/> G-1-A-3	W-Beam Guardrail Posts, Blockouts, & Hardware	12-10
<input type="checkbox"/> 605-22	Inlets & Catch Basins, Types 4 & 5	11-08	<input type="checkbox"/> G-1-A-4	Guardrail Bolting Hardware for W-Beam & Thrie Beam	04-06
<input type="checkbox"/> 605-23	Catch Basin, Type 6	11-08	<input type="checkbox"/> G-1-A-5	Thrie Beam Guardrail	10-10
<input type="checkbox"/> 605-24	Catch Basin, Type 7	11-08	<input type="checkbox"/> G-1-B	Guardrail Terminals Type 1 & 1-A (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 605-25	Inlet, Type 8	11-08	<input type="checkbox"/> G-1-C-1	Guardrail Terminal Type 2-A, With 10:1 or Flatter Foreslope (requires G-1-A-1 through G-1-A-4)	12-10
<input type="checkbox"/> 605-26	Inlet Median Drain, Type 9	10-10	<input type="checkbox"/> G-1-C-2	Guardrail Terminal Type 2-B, for Less Than 10 : 1 to 6 : 1 Foreslope (requires G-1-A-1 through G-1-A-4)	12-10
<input type="checkbox"/> 605-27	Catch Basin, Type 10 (requires 607-2)	01-13	<input type="checkbox"/> G-1-E	Guardrail Terminal Type 3 (requires G-1-A-1 through G-1-A-5, & 615-1)	08-11
<input type="checkbox"/> 605-30	Sediment Control Catch Basin	10-11	<input type="checkbox"/> G-1-F-1	Guardrail Terminal Type 5 Alternate "A" (requires G-1-A-1 through G-1-A-4)	05-06
<input type="checkbox"/> 605-31	Sediment and Oil Trap Manhole (requires 605-13)	10-11	<input type="checkbox"/> G-1-F-2	Guardrail Terminal Type 5 Alternate "B" (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 605-32	Sediment and Oil Trap Manhole (In Street) (requires 605-12 & 605-13)	12-95	<input type="checkbox"/> G-1-H	Guardrail Terminals Type 7 & 8 (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 606-2	Edge Drains	05-14	<input type="checkbox"/> G-1-I	Guardrail Terminal Type 11 (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 607-1	Embankment Protector	12-15	<input type="checkbox"/> G-1-J	Guardrail Terminal Types 4-A & 4-B (requires G-1-A-1 through G-1-A-4)	05-06
<input type="checkbox"/> 607-2	Embankment Protector with Slotted Drain	01-13	<input type="checkbox"/> G-1-K	Guardrail Terminal Type 9 (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 608-1	Galvanized Steel Aprons for Pipe Culverts	03-05	<input type="checkbox"/> G-1-L	Guardrail Installation for Minor Structures & Large Culverts (requires G-1-A-1 through G-1-A-4)	12-10
<input type="checkbox"/> 608-2	Concrete Aprons for Pipe Culverts	12-12	<input type="checkbox"/> G-1-M	Guardrail Terminal Type 10 (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 608-3	Metal Safety Slope Apron	12-12	<input type="checkbox"/> G-1-N	Guardrail Terminal Type 12 (requires G-1-A-1 through G-1-A-4)	10-10
<input type="checkbox"/> 609-1	Culvert Inlet Headwall	12-12			
<input type="checkbox"/> 609-2	Concrete Headwall for Single Pipe Culvert	03-05			
<input type="checkbox"/> 609-3	Concrete Headwall for Twin Pipe Culvert	03-05			
<input type="checkbox"/> 609-4	Concrete Headwall for Arch Pipe Culvert	03-05			
<input type="checkbox"/> 609-5	Concrete Headwall for Siphons	12-05			
<input type="checkbox"/> 609-6	Precast Concrete Headgate	03-05			
<input type="checkbox"/> 610-1	Fences	12-16			
<input type="checkbox"/> 610-2	Gates (requires 610-1 & 610-3)	12-16			
<input type="checkbox"/> 610-3	Fence Braces (requires 610-1)	12-16			



INDIVIDUAL STANDARD DRAWINGS AND AN ELECTRONIC BOOK OF ALL OF THE STANDARD DRAWINGS ARE AVAILABLE ON THE ITD WEBSITE

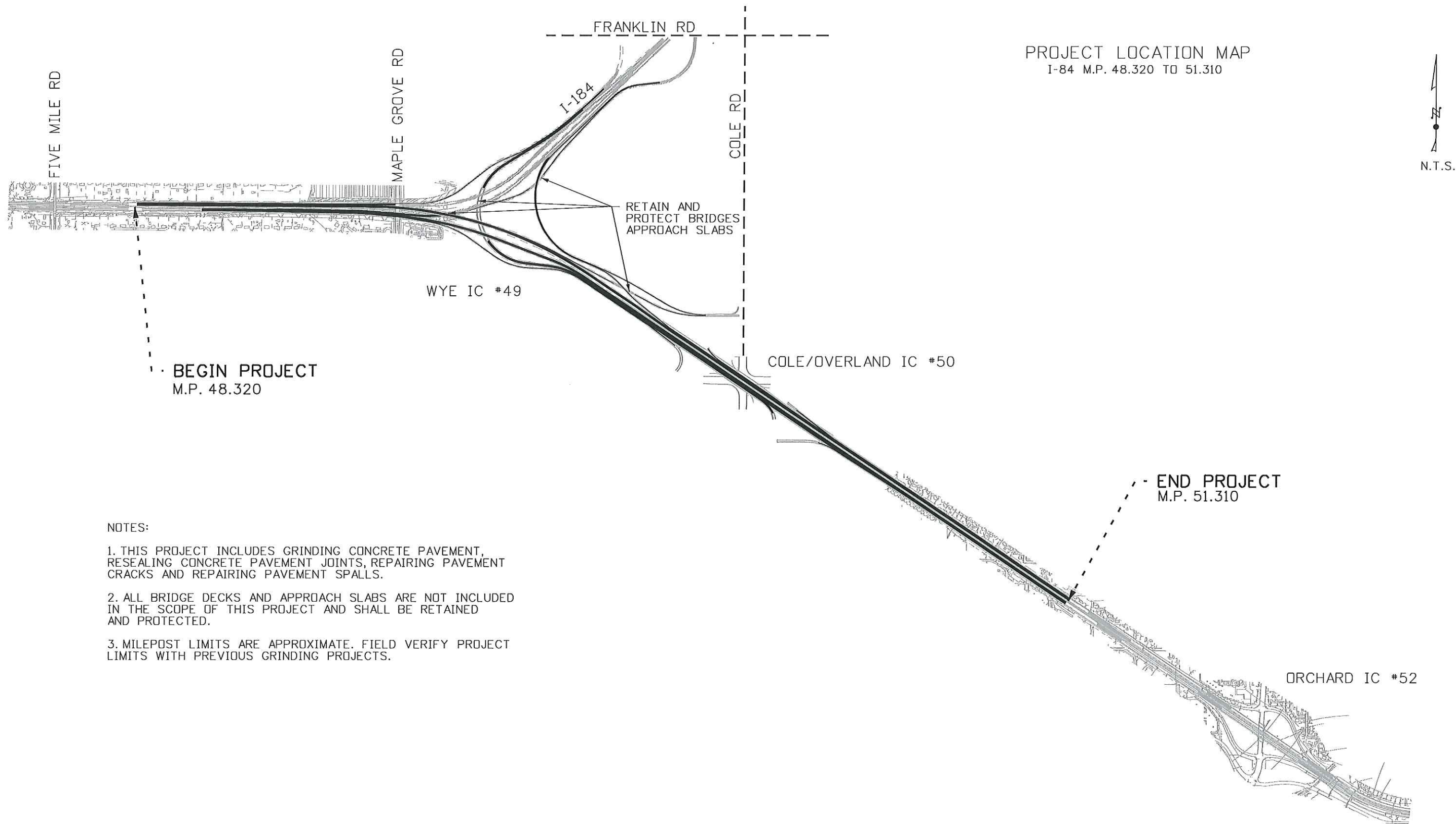
REVISIONS				IDaho TRANSPORTATION DEPARTMENT 	PROJECT NO. A019(289)	STANDARD DRAWING LIST (1 OF 2) I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE	English COUNTY Ada KEY NUMBER 19289 SHEET 2 OF 47	
NO.	DATE	BY	DESCRIPTION					
			DESIGNED D. Statkus					
			DESIGN CHECKED B. Breen					
			DETAILED D. Statkus					
			DRAWING CHECKED D. Statkus	CAAD FILE NAME \$FILES DRAWING DATE: JAN 2017	District 3 - Boise, ID			

STANDARD DRAWING LIST
DECEMBER 2016

DRAWING NUMBER	DRAWING NAME (additional required drawings in parentheses)	REVISION DATE
<input type="checkbox"/> G-2-A	Concrete Barrier Terminals	12-14
<input type="checkbox"/> G-2-A-1	20' Concrete Barrier	05-14
<input type="checkbox"/> G-2-A-2	10' Concrete Barrier	05-14
<input type="checkbox"/> G-2-C	Concrete Parapet to Thrie Beam Guardrail Connector (requires G-1-E)	11-13
<input type="checkbox"/> G-2-D	Concrete Barrier to Thrie Beam Guardrail Connector (requires G-1-E)	11-13
<input type="checkbox"/> G-2-H	Special Cast-in-place Concrete Barrier (requires G-2-A-1 or G-2-A-2)	05-13
<input type="checkbox"/> G-2-I-1	Tall Concrete Median Barrier	05-13
<input type="checkbox"/> G-2-I-2	Tall to Standard Concrete Barrier Transition	05-13
<input type="checkbox"/> H-2-C	Pedestrian Pushbutton Placement	06-14
<input type="checkbox"/> H-4-A	Rural Approaches (Private, Commercial, & Public)	06-07
<input type="checkbox"/> H-4-B	Mailbox Turnout & Installation (requires H-4-A)	01-13
<input type="checkbox"/> I-5	Loop Detectors - 10 ft/sec ² Deceleration Rate	07-10
<input type="checkbox"/> I-6-A	Mast Arm Traffic Signal Poles (requires H-2-C)	04-14
<input type="checkbox"/> I-6-B	Frangible Cast Base Traffic Signal Poles (requires H-2-C)	12-16
<input type="checkbox"/> I-7-A-1	Signal Cabinet & Service Pedestal Foundation Details	06-14
<input type="checkbox"/> I-7-A-2	Signal Cabinet Foundation Detail	06-14
<input type="checkbox"/> I-7-B-1	Electronic Cabinet Foundation Detail	04-14
<input type="checkbox"/> I-7-B-2	Electronic Cabinet & Service Pedestal Foundation Detail	04-14
<input type="checkbox"/> I-7-C	Mast Arm Signal Pole and Pedestrian Pole Foundation Details	12-15
<input type="checkbox"/> I-8-A	Breakaway Steel Sign Post Installation Type A	12-16
<input type="checkbox"/> I-8-D	Breakaway Steel Sign Post Installation Type B	12-16
<input checked="" type="checkbox"/> I-8-E	Breakaway Sign Posts Type D	12-13
<input type="checkbox"/> I-8-F	Breakaway Steel Sign Posts Type E	12-16
<input type="checkbox"/> I-9-A-1	B Post and Brace Angle Detail (requires I-9-A-2)	12-13
<input type="checkbox"/> I-9-A-2	B Post and Brace Angle Detail (requires I-9-A-1)	12-13
<input type="checkbox"/> I-9-B	Cardinal Route Marker Assemblies (requires I-8-D)	09-10
<input type="checkbox"/> I-9-C	Route Marker Bracket Details	12-13
<input type="checkbox"/> I-10-A	Extruded Aluminum Signs	11-14
<input type="checkbox"/> I-10-B	Exit Number Panels (requires I-10-A)	11-14
<input type="checkbox"/> I-11-A	Discontinued	N/A
<input type="checkbox"/> I-11-C	Discontinued	N/A
<input type="checkbox"/> I-12-A	Discontinued	N/A
<input type="checkbox"/> I-12-D	Discontinued	N/A
<input type="checkbox"/> I-12-F	Punching Schedule for Type "B" or Type "E" Signs	07-14
<input type="checkbox"/> I-13	Discontinued	N/A
<input type="checkbox"/> I-21	Pavement Markings for Arterial and Collector Roadways	12-16
<input checked="" type="checkbox"/> I-22	Freeway Pavement Markings	05-15
<input type="checkbox"/> P-1-A	See Standard Drawing 212-2	N/A
<input type="checkbox"/> P-1-B	See Standard Drawing 212-3	N/A
<input type="checkbox"/> P-1-C	See Standard Drawing 212-4	N/A
<input type="checkbox"/> P-1-D	See Standard Drawing 212-1	N/A
<input type="checkbox"/> P-1-E	See Standard Drawing 212-5	N/A
<input type="checkbox"/> P-1-F	See Standard Drawing 212-5 & 212-6	N/A
<input type="checkbox"/> P-1-H	See Standard Drawing 212-7	N/A
<input type="checkbox"/> P-2-A	See Standard Drawing 212-10	N/A
<input type="checkbox"/> P-2-B	See Standard Drawing 212-11	N/A
<input type="checkbox"/> P-2-C	See Standard Drawing 212-12	N/A
<input type="checkbox"/> P-2-D	Discontinued	N/A
<input type="checkbox"/> P-2-F	See Standard Drawing 607-1	N/A
<input type="checkbox"/> P-3-E	See Standard Drawing 212-6	N/A
<input type="checkbox"/> P-4-A	Discontinued	N/A
<input type="checkbox"/> P-5-A	See Standard Drawing 212-15	N/A
<input type="checkbox"/> P-5-B	See Standard Drawing 212-16	N/A

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REVISIONS				DESIGNED D. Statkus	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT		PROJECT NO. A019(289)	STANDARD DRAWING LIST (1 OF 2) I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE	English	COUNTY Ada	KEY NUMBER 19289	SHEET 3 OF 47	
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED B. Breen										
				DETAILED D. Statkus										
				DRAWING CHECKED D. Statkus										
					CADD FILE NAME \$FILES	District 3 - Boise, ID								
					DRAWING DATE: JAN 2017									



PROJECT LOCATION MAP
I-84 M.P. 48.320 TO 51.310

NOTES:

- 1. THIS PROJECT INCLUDES GRINDING CONCRETE PAVEMENT, RESEALING CONCRETE PAVEMENT JOINTS, REPAIRING PAVEMENT CRACKS AND REPAIRING PAVEMENT SPALLS.
- 2. ALL BRIDGE DECKS AND APPROACH SLABS ARE NOT INCLUDED IN THE SCOPE OF THIS PROJECT AND SHALL BE RETAINED AND PROTECTED.
- 3. MILEPOST LIMITS ARE APPROXIMATE. FIELD VERIFY PROJECT LIMITS WITH PREVIOUS GRINDING PROJECTS.

REVISIONS				DESIGNED D. Statkus	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION		
				DESIGN CHECKED B. Breen	
				DETAILED D. Statkus	CADD FILE NAME 19289_RDTL_003.DGN
				DRAWING CHECKED D. Statkus	DRAWING DATE: JAN 2017

IDAHO
TRANSPORTATION
DEPARTMENT



District 3 - Boise, ID

PROJECT NO.	PROJECT LOCATION MAP	<i>English</i>
A019(289)	I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE	COUNTY Ada
		KEY NUMBER 19289
		SHEET 4 OF 47

PROFESSIONAL ENGINEER
REGISTERED
David Statkus
10449
03/28/17
STATE OF IDAHO
DAVID MARK STATKUS

[illegible]

1. MAINLINE TRAVEL LANES - MEDIAN AND OUTSIDE SHOULDER WIDTHS VARY.
2. CONCRETE RAMPS - INSIDE AND OUTSIDE SHOULDER WIDTHS VARY.

A cross-sectional diagram of a road. The top surface is labeled "N.T.S." (Not To Scale). Below the surface, a hatched area represents the grinding zone. A line labeled "LIMITS OF GRINDING (TRAVEL LANES ONLY)" points to the start of this hatched area. To the right, an "ASPHALT RAMP" is shown sloping upwards. A bracket on the right side of the hatched area points to "SEE NOTE 1 (TYP.)". The bottom of the diagram shows a series of small circles representing reinforcement or aggregate.

Diagram illustrating the limits of grinding for a travel lane. The shaded area represents the limits of grinding, and the arrow indicates the direction of travel. The text "SEE NOTE 2 (TYP.)" is referenced.

Diagram illustrating the limits of joint sealing for travel lanes, shoulders, and gores. The diagram shows a cross-section of a road surface with a dashed line indicating the limits of joint sealing. An asphalt ramp is shown on the right side, sloping upwards. The text "LIMITS OF JOINT SEALING (TRAVEL LANES, SHOULDERS AND GORES)" is written below the road surface, with an arrow pointing to the dashed line.

Diagram illustrating the limits of joint sealing (Travel Lanes, Shoulders and Gores). The diagram shows a cross-section of a road surface with multiple lanes. An arrow points to the center of the road, labeled "DIRECTION OF TRAVEL". Another arrow points to the edge of the road, labeled "LIMITS OF JOINT SEALING (TRAVEL LANES, SHOULDERS AND GORES)".

Figure 1: Typical cross-section of a concrete bridge deck. The diagram shows a cross-section of a bridge deck with a grid pattern. A central section is labeled "15' ± TYPICAL JOINT SPACING". To the right, a sloped section is labeled "ASPHALT RAMP". A vertical dimension on the right side is labeled "12' TYPICAL LANE JOINT SPACING".

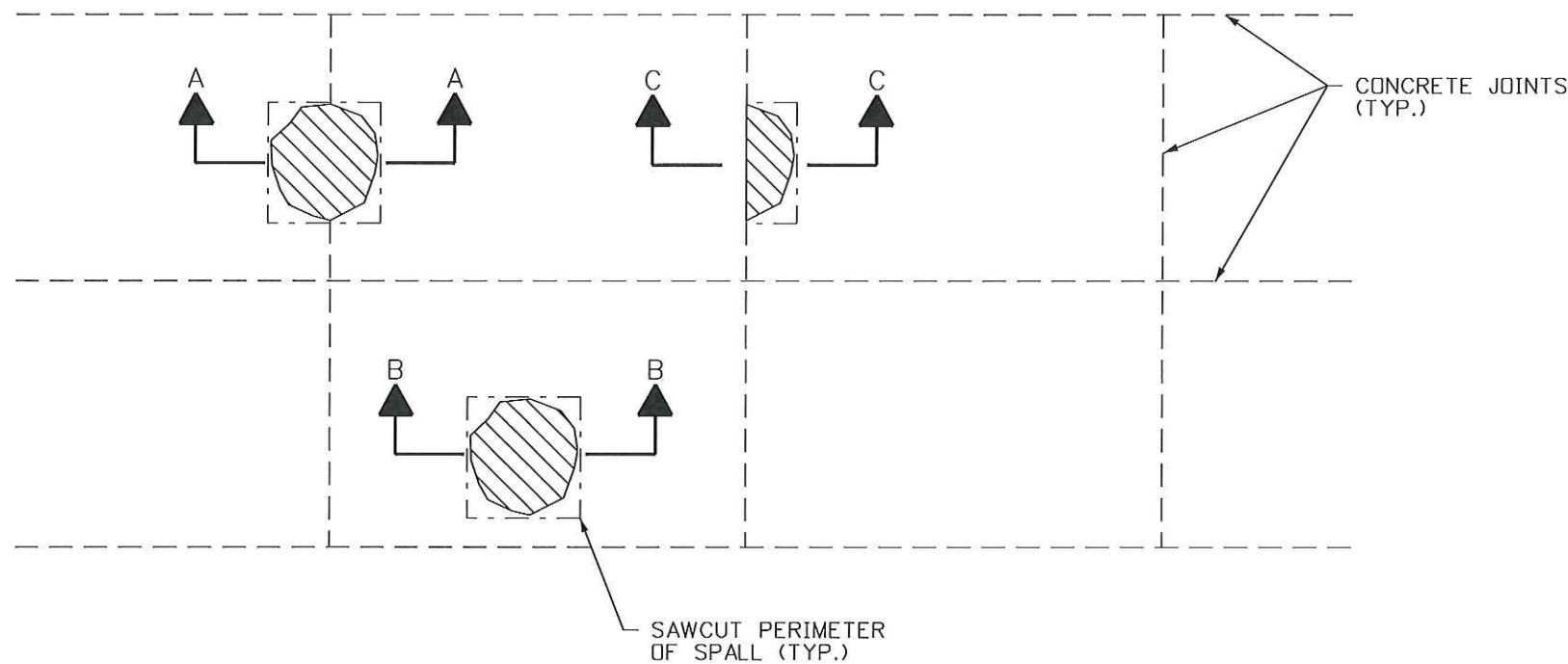
CONCRETE RAMPS
N.T.S.

12' TYPICAL JOINT SPACING

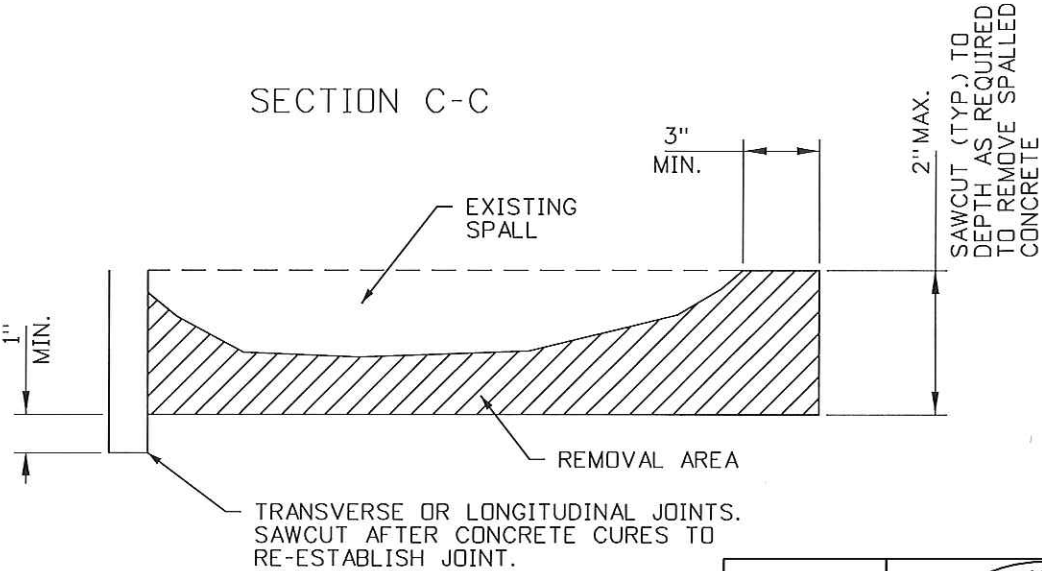
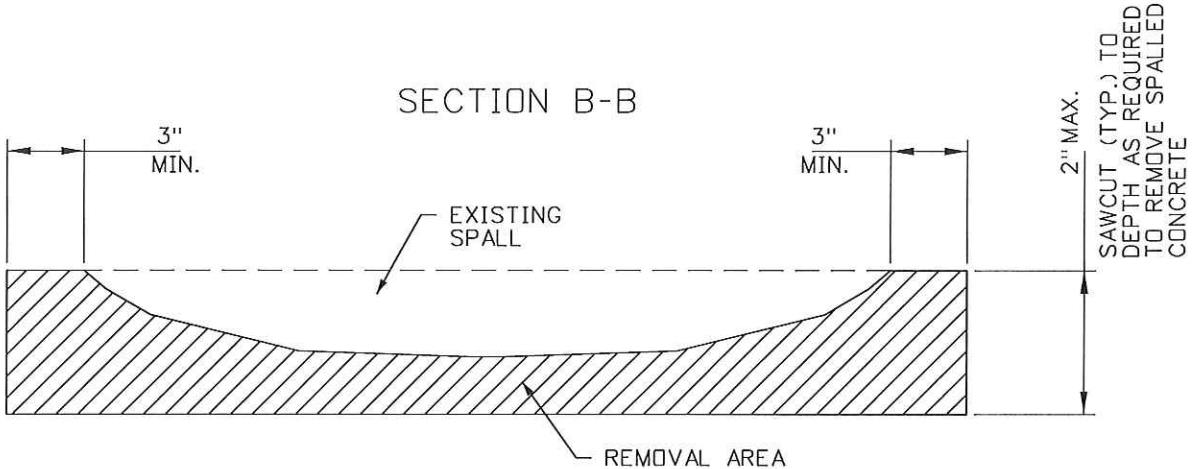
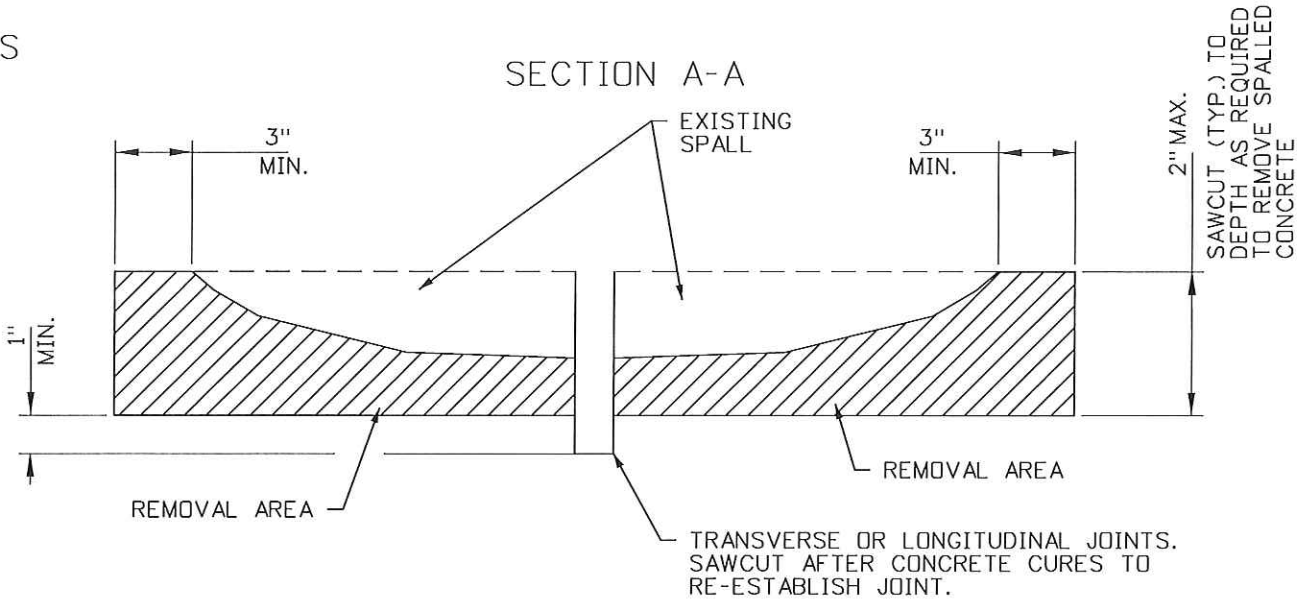
DIRECTION OF TRAVEL

15' ± TYPICAL JOINT SPACING

SPALL REPAIR DETAILS
N.T.S.



NOTE:
ALL DIMENSIONS ARE IN INCHES (") UNLESS OTHERWISE SHOWN.



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NO.	DATE	BY	DESCRIPTION		
				DESIGN CHECKED B. Breen	
				DETAILED D. Statkus	CADD FILE NAME 19289_RDTL_002.DGN
				DRAWING CHECKED D. Statkus	DRAWING DATE: JAN 2017

IDAHO
TRANSPORTATION
DEPARTMENT

District 3 - Boise, ID

PROJECT NO.
A019(289)

ROADWAY DETAIL

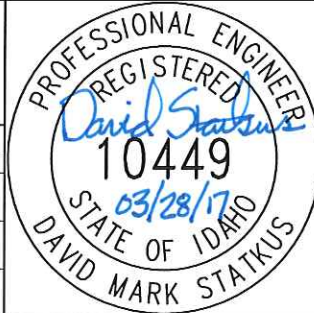
I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS,
BOISE

English

COUNTY
Ada

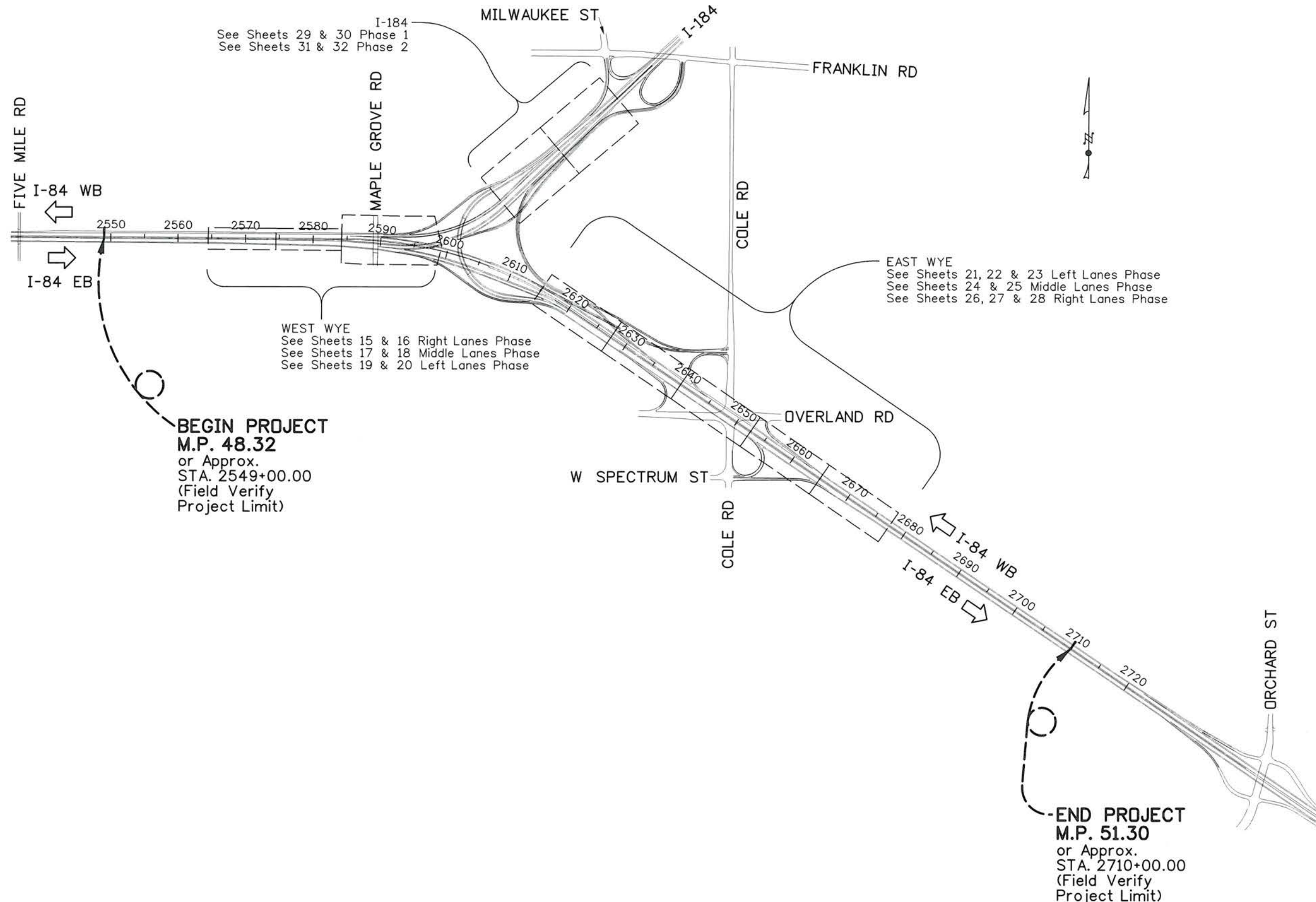
KEY NUMBER
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BEGIN PROJECT
M.P. 48.32
or Approx.
STA. 2549+00.00
(Field Verify
Project Limit)

END PROJECT
M.P. 51.30
or Approx.
STA. 2710+00.00
(Field Verify
Project Limit)

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_stge_001.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT



Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE OVERVIEW AND KEYMAP

English
COUNTY Ada
KEY NUMBER 19289
SHEET 9 OF 47



TEMPORARY TRAFFIC CONTROL GENERAL NOTES

- 1. All Temporary Traffic Control Signs, Temporary Traffic Control Devices, And Their Installation Will Conform To The "Manual On Uniform Traffic Control Devices" (MUTCD) As Adopted By The State. All Supports For Temporary Traffic Control Signing Will Be Installed With Breaking Or Yielding Features For Motorist Safety.
- 2. Any Existing Signs, Such As Speed Limit Signs And Overhead Signs, Which Conflict With Construction Operations And Approved Traffic Control Activities Will Be Covered Using An Approved Method. All Signs Will Be Uncovered Once Construction And Traffic Control Operations No Longer Conflict With The Existing Signs. The Contractor Will Not Drill Holes In The Sign Panels That are Covered. Black Plastic Is Not An Approved Covering Method.
- 3. If The Temporary Traffic Control Plan Shown Does Not Conform To The Contractor's Method Of Operation, The Contractor Will Submit A Temporary Traffic Control Plan For Approval. Fourteen (14) Calendar Days Of Review Time Is Required For The Temporary Traffic Control Plan Or Changes Made To The Plan.
- 4. Work Conditions Will Be Monitored By The Contractor Under Varying Conditions Of Traffic Volume, Light, And Weather To Ensure Traffic Control Measures Are Operating Effectively And That All Devices Used Are Clearly Visible At All Times And In Good Repair.
- 5. The Distances Shown Between Temporary Traffic Control Devices Are Approximate Minimums And Some Adjustments May Be Necessary In The Field Depending On Conditions Encountered. Supplemental Devices May Be Required By Actual Traffic Or Construction Situations.
- 6. All Temporary Traffic Control Signing, Tubular Markers, Drums, And Barricades Will Be In Place Prior To Any Diversion Of Traffic.
- 7. Temporary Traffic Control Speed Limit Signs Will Have Two Warning Flags And A Battery Operated Flashing Warning Light In Operation At All Times Unless Otherwise Directed, And Will Be Paid For Under Item 626-100A, Miscellaneous Temporary Traffic Control Items.
- 8. Temporary Traffic Control Signing That Is Not In Use Will Be Completely Removed From The Edge Of Traveled Way And Laid Down Outside Of Clear Zone Or Behind Guardrail.
- 9. Temporary Traffic Control Signs Must Be Mounted On Wood Posts (Untreated) And Must Comply With Standard Drawing I-8-E. Signs Will Be Made Of Aluminum Or Plywood. Posts and Hardware That May Be Required For Temporary Traffic Control Signs Are Incidental To The 626-010A, Const Sign Item.
- 10. Temporary Traffic Control Signing Will Be Coordinated With Any Other Projects In The Area To Eliminate Redundant, Conflicting Or Confusing Signing.
- 11. All Taper Lengths Will Meet Or Exceed The Requirements Of The MUTCD, As Adopted By The State.
- 12. Additional Signing May Be Required As Directed.
- 13. Temporary Speed Limit Changes May Not Be Greater Than Existing Speeds.
- 14. For Safety, Truck Mounted Attenuators Are Required Behind The Immediate Work Area And Adjacent To Live Traffic. The Truck Mounted Attenuators Shall Follow Along As Work Progresses To Provide Protection. For The Middle Lanes Phases In Which Live Traffic Is Required On Each Side Of The Work Zone, Two Truck Mounted Attenuators Are Required, One Adjacent To Each Live Traffic Lane.

CONSTRUCTION STAGING GENERAL NOTES

- 1. Unless Approved The Limits Of Actual Work Is Limited To One-Mile Segments Not Including Advanced Signing.
- 2. Stage 1 Construction Shall Consist Of All Concrete Grinding Work In The Eastbound Direction On I-84. All Concrete Grinding Work Shall Be Completed In The Eastbound Direction Of I-84 Prior To Commencing Stage 2 Construction Of The Joint Resealing Work In The Eastbound Direction Of I-84. Stage 3 Construction Of The Concrete Grinding Work In The Westbound Direction Of I-84 And Stage 2 Construction Of The Joint Resealing Work In The Eastbound Direction Of I-84 Can Occur Concurrently. However, Unless Approved The Limits Of Actual Work Is Limited To One-Mile Segments In Each Direction Not Including Advanced Signing. All Stage 3 Construction Of The Concrete Grinding Work Shall Be Completed In The Westbound Direction Of I-84 Prior To Commencing Stage 4 Construction Of The Joint Resealing Work In The Westbound Direction Of I-84. Upon Completion Of Stages 1-4, Stage 5 Concrete Grinding And Joint Resealing Work At The Ramps In The WYE Area Can Begin.
- 3. Detour Sheets Included In The Temporary Traffic Control Plans Show Limits Of The Stage 5 Ramp Concrete Grinding And Joint Resealing Work In The WYE Area And The Detour Signing To Allow Closures To Complete The Work. Unless Approved Only One Detour And Closure As Shown In The Detour Plans May Be Implemented At A Time.

CONSTRUCTION STAGING GENERAL NOTES (CONT.)

- 4. The Westbound I-84 Loop Off Ramp At Exit 50A And The Eastbound I-84 Loop Off Ramp At 50B Must Remain Open At All Times. Adjust Temporary Exit Channelization To Allow Construction Coverage Of Entire Work Area At The Exit.
- 5. Full Closure Is Not Allowed For The Flyover Lanes From Westbound I-184 to Eastbound I-84. Of The Existing Three Lanes, A Minimum Of One Lane Must Remain Open, As Shown In The Traffic Control Plans.
- 6. Concrete Grinding And Joint Resealing Is Not Required At Any Bridges Or Approach Slabs For The Ramps.

TEMPORARY TRAFFIC CONTROL PLAN SHEET INDEX

SHEET NO.	DESCRIPTION
9	Temporary Traffic Control Overview and Keymap
10	Temporary Traffic Control General Notes
11	Temporary Traffic Control Quantities
12	Temporary Traffic Control Double Lane Drop Details
13	Temporary Traffic Control Single Lane Drop Details
14	Temporary Traffic Control Signing Details
15 - 16	Temporary Traffic Control West Wye (Right Lanes Phase)
17 - 18	Temporary Traffic Control West Wye (Middle Lanes Phase)
19 - 20	Temporary Traffic Control West Wye (Left Lanes Phase)
21 - 23	Temporary Traffic Control East Wye (Left Lanes Phase)
24 - 25	Temporary Traffic Control East Wye (Middle Lanes Phase)
26 - 28	Temporary Traffic Control East Wye (Right Lanes Phase)
29 - 30	Temporary Traffic Control I-184 Phase - 1
31 - 32	Temporary Traffic Control I-184 Phase - 2
33	Detour Plans I-84 WB & EB at Franklin Rd
34	Detour Plans I-184 EB at Ramp 50A
35	Detour Plans WB I-84 to EB Overland Rd
36	Detour Plans EB I-84 at Exit 50A-B
37	Detour Plans Cole Rd to WB I-84
38	Detour Plans Exit 1A to Franklin Rd
39 - 40	Detour Plans Sign Assemblies
41 - 47	Sign Details

NIGHT WORK IS REQUIRED FOR THIS PROJECT

Weekday Nights Sunday Night Through Friday Morning	10:00 pm to 5:00 am (7 Hours Max.)
Weekend Nights Friday Night Through Saturday Morning	10:00 pm to 7:00 am (9 Hours Max.)
Weekend Nights Saturday Night Through Sunday Morning	10:00 pm to 9:00 am (11 Hours Max.)

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	PSA	
DETAILED	KMR/WW	
DRAWING CHECKED	PSA	
CADD FILE NAME 19289_trcp_001.sht		DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT



Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE
GENERAL NOTES

English
COUNTY Ada
KEY NUMBER 19289
SHEET 10 OF 47



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CLASS B TEMPORARY TRAFFIC CONTROL SIGN QUANTITIES

SIGN	DESCRIPTION	SIZE (in)	QUANTITY	AREA (SF)	TOTAL AREA (SF)
D3-1(o)	Overland Rd	48 x 12	2	4.0	8.0
D3-1(o)	Franklin Rd	48 x 12	10	4.0	40.0
E5-2a(o)	Exit Closed	48 x 36	6	12.0	72.0
G20-2	End Road Work	48 x 24	8	8.0	64.0
M1-1(84)	I-84 Interstate Shield	24 x 24	17	4.0	68.0
M1-1(184)	I-184 Interstate Shield	30 x 24	9	5.0	45.0
M3-2(bl)	East	24 x 12	14	2.0	28.0
M3-2(b/w)	East	24 x 12	2	2.0	4.0
M3-4(bl)	West	24 x 12	13	2.0	26.0
M4-8	Detour	24 x 12	15	2.0	30.0
M4-8a	End Detour	24 x 18	2	3.0	6.0
M5-1L(bl)	Arrow Left 90	21 x 15	3	2.2	6.6
M5-1L(b/w)	Arrow Left 90	21 x 15	2	2.2	4.4
M5-1R(bl)	Arrow Right 90	21 x 15	2	2.2	4.4
M5-1R(b/w)	Arrow Right 90	21 x 15	1	2.2	2.2
M6-1(bl)	Arrow Left/Right	21 x 15	5	2.2	10.9
M6-1(b/w)	Arrow Left/Right	21 x 15	4	2.2	8.8
M6-3(bl)	Arrow Up	21 x 15	5	2.2	10.9
M6-3(b/w)	Arrow Up	21 x 15	3	2.2	6.6
M6-9(o)	Arrow Left and Right	21 x 15	2	2.2	4.4
R2-1(55)	Speed Limit 55	48 x 60	8	20.0	160.0
R2-1(60)	Speed Limit 60	48 x 60	2	20.0	40.0
R2-1(65)	Speed Limit 65	48 x 60	5	20.0	100.0
R2-1001	Work Zone Speed Violations	72 x 36	8	18.0	144.0
R3-7L	Left Lane Must Turn Left	36 x 36	1	9.0	9.0
R3-7R	Right Lane Must Turn Right	36 x 36	1	9.0	9.0
R3-33	Right Lane Must Exit	78 x 36	1	19.5	19.5
W3-5(o)(55)	55 MPH Speed Zone Ahead	48 x 48	8	16.0	128.0
W4-3(o)	Add Lane	48 x 48	1	16.0	16.0
W4-2L(o)	Left Lane Drop	48 x 48	8	16.0	128.0
W4-2R(o)	Right Lane Drop	48 x 48	8	16.0	128.0
W8-11(o)	Uneven Lanes	48 x 48	4	16.0	64.0
W8-15(o)	Grooved Pavement	48 x 48	4	16.0	64.0
W8-15P(o)	Motorcycle Symbol	36 x 30	4	7.5	30.0
W20-1	Road Work Ahead	48 x 48	8	16.0	128.0
W20-2	Detour Ahead	48 x 48	4	16.0	64.0
W20-3	Road Closed Ahead	48 x 48	4	16.0	64.0
W20-5aL	2 Left Lanes Closed Ahead	48 x 48	3	16.0	48.0
W20-5aR	2 Right Lanes Closed Ahead	48 x 48	3	16.0	48.0
W20-5L	Left Lane Closed Ahead	48 x 48	2	16.0	32.0
W20-5R	Right Lane Closed Ahead	48 x 48	2	16.0	32.0
SE-1(o)	Exit w/Arrow	72 x 60	3	30.0	90.0
SE-2(o)	Ramp Closed	48 x 36	4	12.0	48.0
SG-1(o)	I-184 East City Center Keep Left	138 x 96	1	92.0	92.0
SG-2(o)	I-84 East Mnt Home Keep Right	132 x 96	1	88.0	88.0
SG-3(o)	I-84 West Nampa Keep Left	132 x 96	1	88.0	88.0
SG-4(o)	I-84 East/West Ramp Access	48 x 24	4	8.0	32.0

CLASS B TEMPORARY TRAFFIC CONTROL SIGN QUANTITIES (CONTINUED)

SG-5(o)	Exit 50B Closed Ahead	66 x 36	2	16.5	33.0
SG-6(o)	Exit 49 Closed Ahead	66 x 36	2	16.5	33.0
SG-7(o)	Exit 50A-B Closed Ahead	66 x 48	1	22.0	22.0
SG-8(o)	I-84 West Ramp Access	48 x 24	1	8.0	8.0
SG-9(o)	I-184 East Access	48 x 24	1	8.0	8.0
SG-10(o)	Exit 1A Closed Ahead	72 x 48	2	24.0	48.0
SG-11(o)	Use Alternate Route	48 x 36	1	12.0	12.0
SW-1(o)	Ramp Closed Ahead	48 x 48	1	16.0	16.0
Sub Total				2530	
Contingency (20%)				510	
Total Class B Signs				3040	

TEMPORARY TRAFFIC CONTROL QUANTITIES

ITEM NUMBER	ITEM	UNIT	TOTAL
626-010A	Const Sign	SF	3040
626-040A	Rent Const Barr CL B TY III	EACH	4
626-050A	Drums	EACH	240
626-076A	Arrow Board TY C	HR	4950
626-100A	Miscellaneous Temporary Traffic Control Items	LS	1
626-105A	Traffic Control Maintenance	MNHR	4050
626-115A	Portable Tubular Markers	EACH	780
626-120A	Flagger Control	HR	200
S626-05A	PCM Sign	HR	3300
S626-30A	Traf Cntrl Manager	DAY	75
S626-35A	Night Work Lighting	LS	1
S626-45A	Rent Truck Mounted Attenuator	EACH	4
S900-60B	Pav Marking Waterborne Temporary	FT	158970

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_002.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT



Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE
TRAFFIC CONTROL QUANTITIES

English
COUNTY Ada
KEY NUMBER 19289
SHEET 11 OF 47



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TABLE 1

Posted Speed	No. of Lanes	Width Tapered	Taper Length L	Lane Merge Taper (Min) 1 x L	Lane Shift Taper (Min) 0.5 x L
55 MPH	1	12'	660'	660'	330'
55 MPH	2	24'	1320'	1320'	660'
55 MPH	3	36'	1980'	1980'	990'

55 MPH Taper Rate (Merge) 55 to 1
55 MPH Taper Rate (Shift) 27.5 to 1
55 MPH Taper Rate (Shoulder) 18.3 to 1

LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

5
G20-2
48"x24"

6
R2-1(65)
48"x60"

7
W20-5aL
48"x48"

8
W4-2L(o)
48"x48"

9
W20-5aR
48"x48"

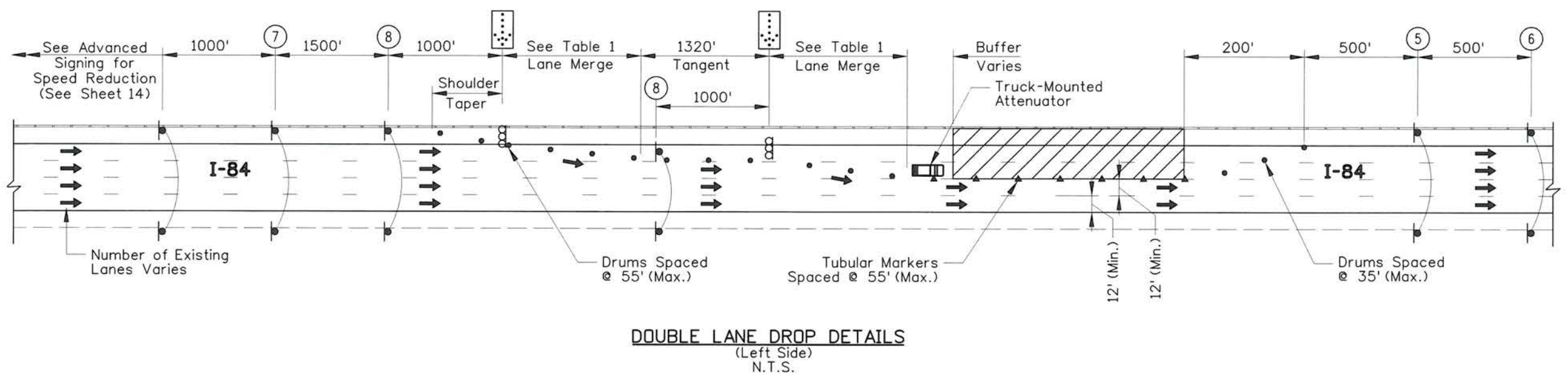
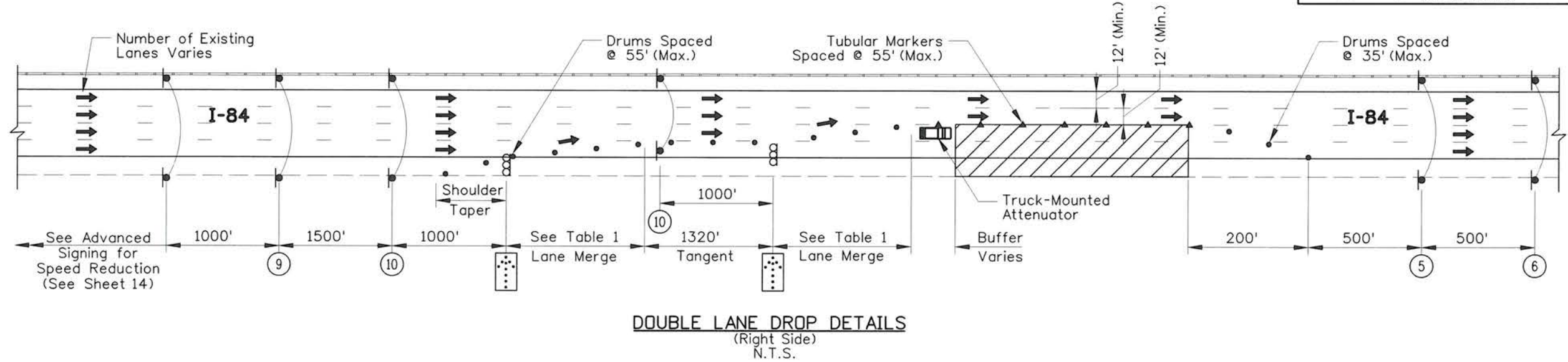
10
W4-2R(o)
48"x48"

END ROAD WORK

SPEED LIMIT 65

2 LEFT LANES CLOSED AHEAD

2 RIGHT LANES CLOSED AHEAD



REVISIONS				DESIGNED KCC	DESIGN CHECKED PSA	DETAILED KMR/WW	DRAWING CHECKED PSA	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 19289_trcp_003.sht DRAWING DATE: March 2017	IDAHO TRANSPORTATION DEPARTMENT Parametrix	PROJECT NO. A019(289)	TEMPORARY TRAFFIC CONTROL I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE DOUBLE LANE DROP DETAILS	English		
NO.	DATE	BY	DESCRIPTION									COUNTY	KEY NUMBER	SHEET
												Ada	19289	12 OF 47



TABLE 1

Posted Speed	No. of Lanes	Width Tapered	Taper Length L	Lane Merge Taper (Min) 1 x L	Lane Shift Taper (Min) 0.5 x L
55 MPH	1	12'	660'	660'	330'
55 MPH	2	24'	1320'	1320'	660'
55 MPH	3	36'	1980'	1980'	990'

55 MPH Taper Rate (Merge) 55 to 1
 55 MPH Taper Rate (Shift) 27.5 to 1
 55 MPH Taper Rate (Shoulder) 18.3 to 1

LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- ▲ Tubular Markers
- ⋯ Advanced Warning Panel
- ▨ Work Area
- Traffic Travel Direction
- ▬ Truck Mounted Attenuator
- ▭ Portable Changeable Message Sign
- ⊥ TY III Barricade

5
G20-2
48"x24"

END ROAD WORK

6
R2-1(65)
48"x60"

SPEED LIMIT 65

8
W4-2L(o)
48"x48"



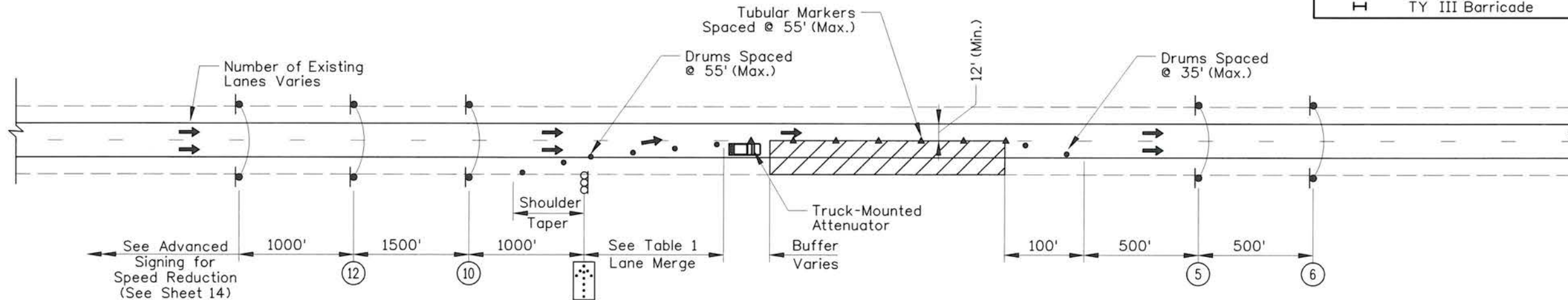
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W4-2R(o)
48"x48"



11
W20-5L
48"x48"

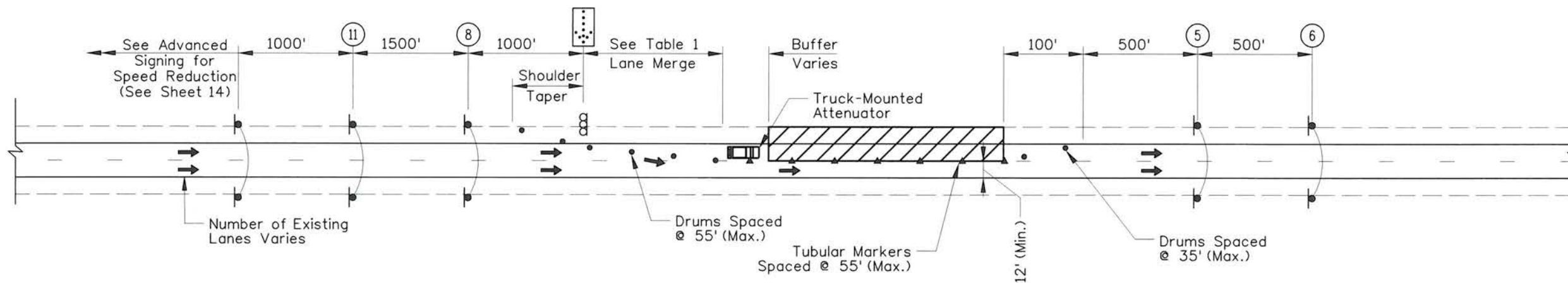


12
W20-5R
48"x48"



SINGLE LANE DROP DETAILS

(Right Side)
N.T.S.



SINGLE LANE DROP DETAILS

(Left Side)
N.T.S.

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WW

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289-trcp_004.sht

DRAWING DATE:
March 2017

IDAHO
TRANSPORTATION
DEPARTMENT



Parametrix

PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

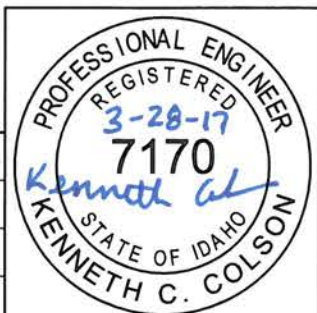
I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
SINGLE LANE DROP DETAILS

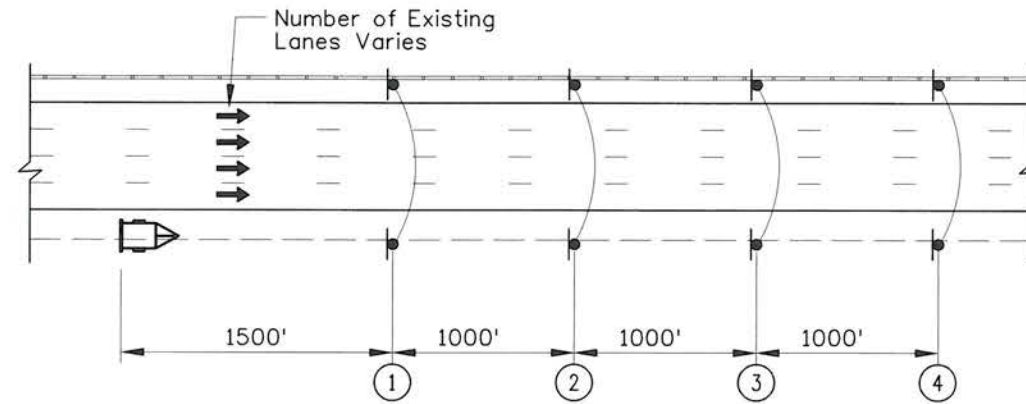
English

COUNTY Ada

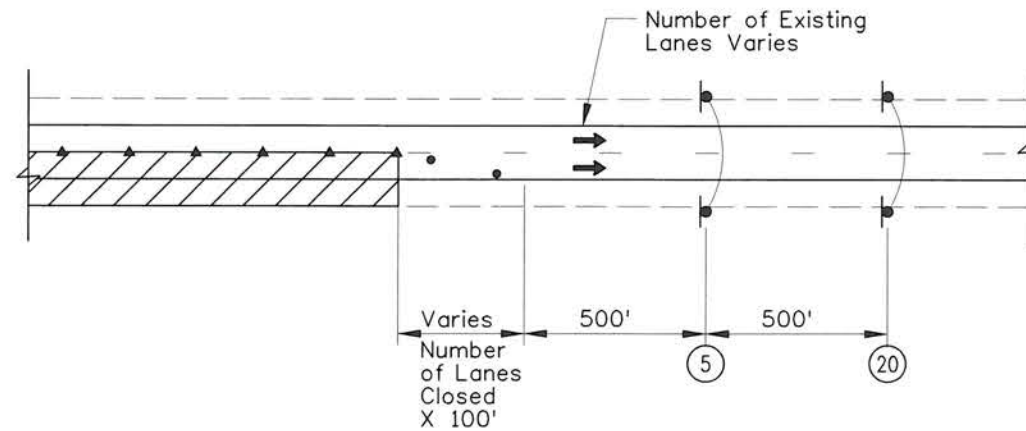
KEY NUMBER 19289

SHEET 13 OF 47

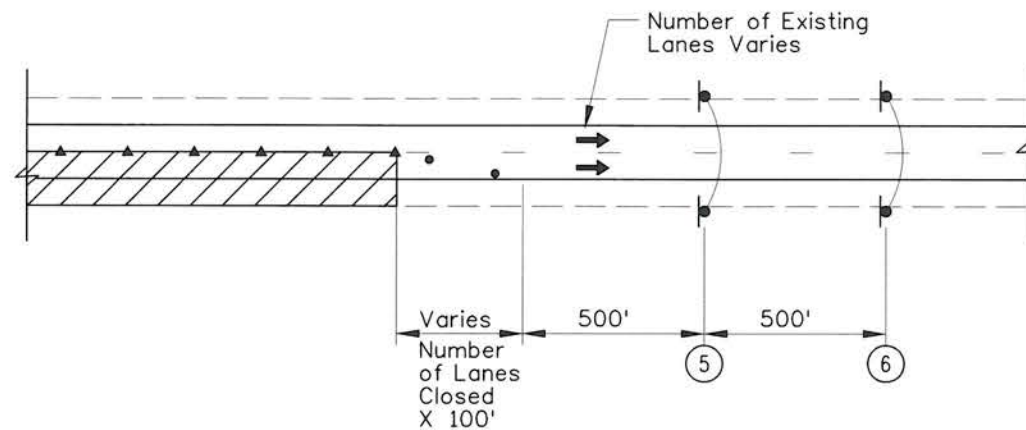




ADVANCED SIGNING FOR SPEED REDUCTION
N.T.S.



END ROAD WORK SIGNING FOR RETURN TO 60 MPH
N.T.S.

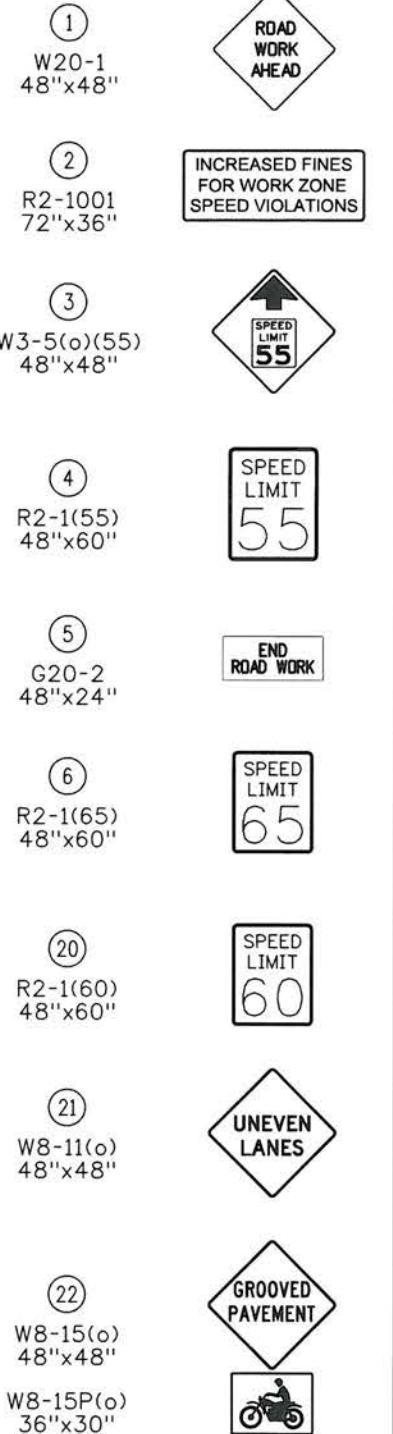


END ROAD WORK SIGNING FOR RETURN TO 65 MPH
N.T.S.

LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

MOTORCYCLE TRAFFIC WARNING
N.T.S.

TO BE USED AS DIRECTED



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289_trcp_005.sht

DRAWING DATE:
March 2017

**IDAHO
TRANSPORTATION
DEPARTMENT**

Parametrix

PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

**I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE**
SIGNING DETAILS

English

COUNTY Ada

KEY NUMBER 19289

SHEET 14 OF 47



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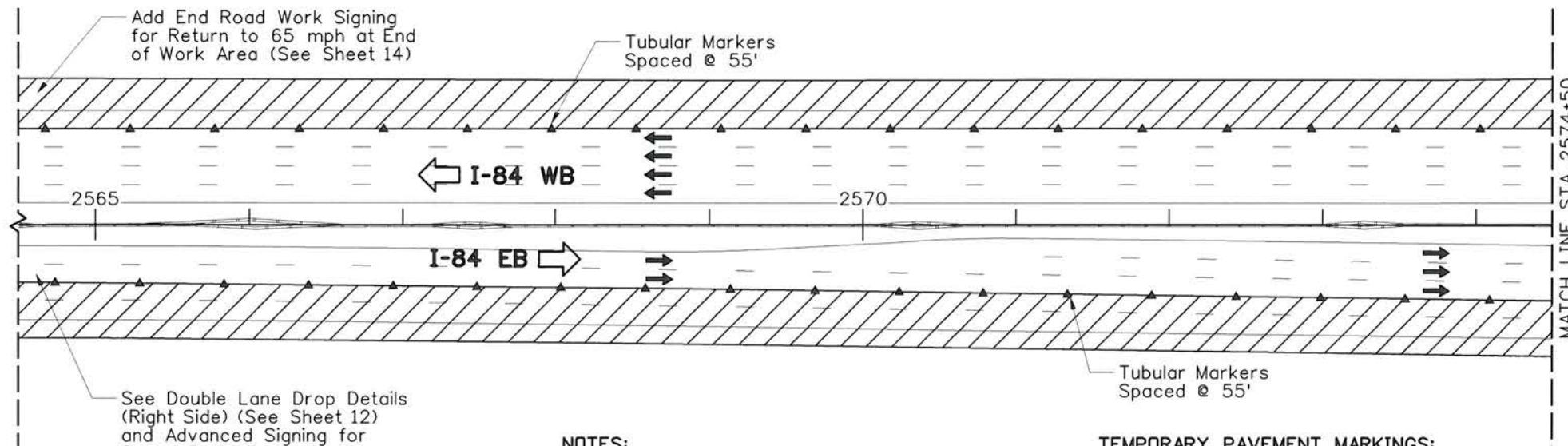
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Approx. 2800' to Five Mile Overpass.
Approx. 1550' to Westbound Project Limit
at M.P. 48.32 or Approx. Sta. 2549+00.
(Field Verify Project Limit)

Add End Road Work Signing
for Return to 65 mph at End
of Work Area (See Sheet 14)

Tubular Markers
Spaced @ 55'



See Double Lane Drop Details
(Right Side) (See Sheet 12)
and Advanced Signing for
Speed Reduction
(See Sheet 14)

Approx. 2250' to Eastbound Project Limit
at M.P. 48.51 or Approx. Sta. 2559+00.
(Field Verify Project Limit)

NOTES:

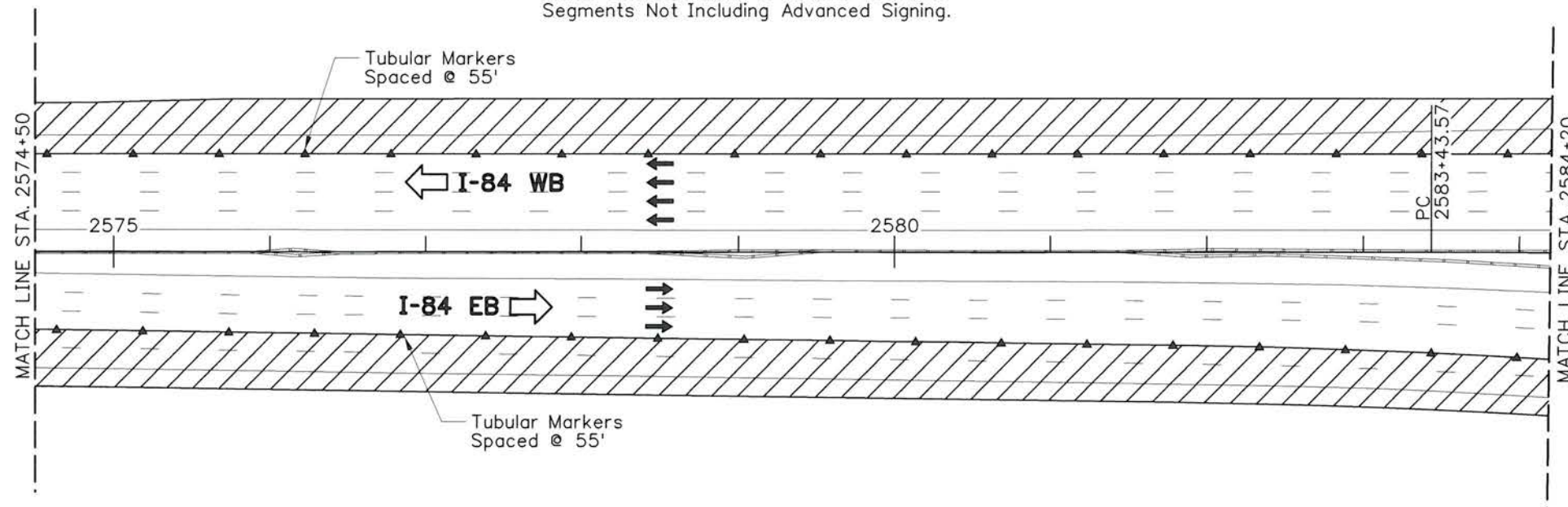
Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and
Westbound Direction Shown for Convenience
Only. Actual Traffic Control May or May Not
Be In Place Simultaneously Depending on
Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending
on Contractor's Operations. Unless Approved,
Limits of Actual Work is Limited to 1-Mile
Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic,
the Contractor Shall Replace any Pavement Markings Removed
During Work with Temporary Pavement Markings Per Item
S900-60B at the Locations as Recorded Under Item S105-20A
Record of Existing Pavement Markings. Temporary Pavement
Markings Include, but are Not Limited to, Lane Markings, Edge
Lines, and Gore Markings. All Work and Materials Necessary to
Meet This Requirement, Including Maintenance, Shall be Included
in Item S900-60B Pav Marking Waterborne Temporary.



LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WW

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
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March 2017

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DEPARTMENT

Parametrix



PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

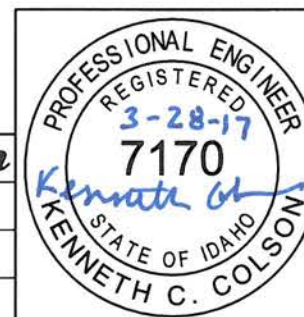
I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
WEST WYE (RIGHT LANES PHASE)

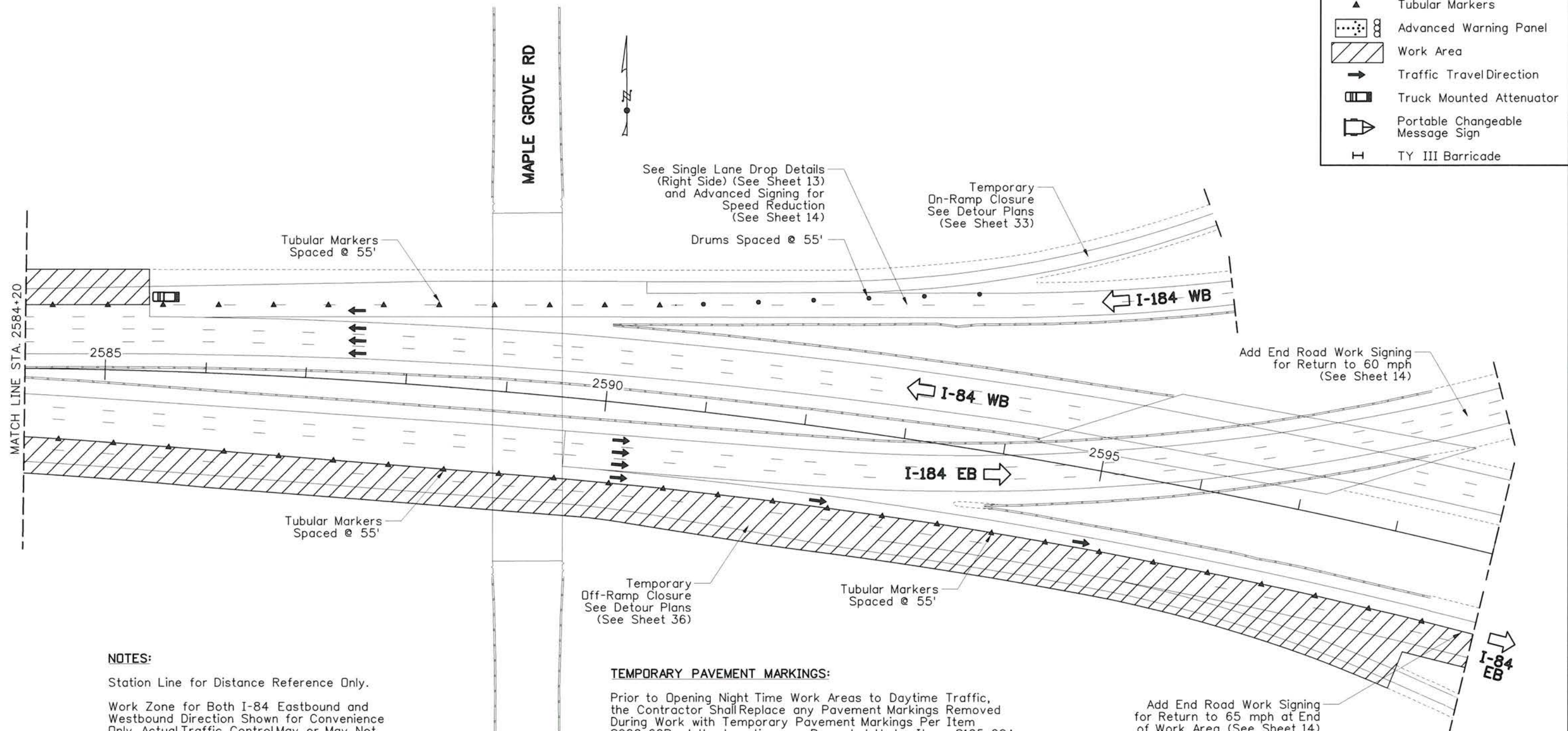
English

COUNTY Ada

KEY NUMBER 19289

SHEET 15 OF 47





REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WW

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289_trcp_007.sht

DRAWING DATE:
March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix



PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
WEST WYE (RIGHT LANES PHASE)

English

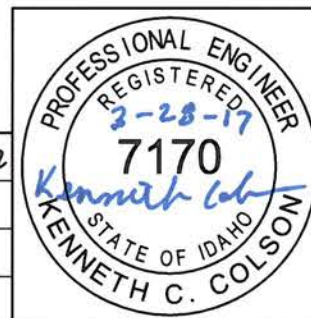
COUNTY

Ada

KEY NUMBER

19289

SHEET 16 OF 47



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Approx. 2800' to Five Mile Overpass.
Approx. 1550' to Project Limit at M.P. 48.32
or Approx. Sta. 2549+00.
(Field Verify Project Limit)

Add End Road Work Signing
for Return to 65 mph at End
of Work Area (See Sheet 14)

Tubular Markers
Spaced @ 55'

Tubular Markers
Spaced @ 35'

2565

2570

MATCH LINE STA. 2574+50

I-84
WB

I-84 EB

See Double Lane Drop Details
(Left Side) (See Sheet 12)
and Advanced Signing for
Speed Reduction
(See Sheet 14)

Tubular Markers
Spaced @ 55'

(15) (14)

1000'

(17)

Tubular Markers
Spaced @ 55'

NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and
Westbound Direction Shown for Convenience
Only. Actual Traffic Control May or May Not
Be In Place Simultaneously Depending on
Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending
on Contractor's Operations. Unless Approved,
Limits of Actual Work is Limited to 1-Mile
Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic,
the Contractor Shall Replace any Pavement Markings Removed
During Work with Temporary Pavement Markings Per Item
S900-60B at the Locations as Recorded Under Item S105-20A
Record of Existing Pavement Markings. Temporary Pavement
Markings Include, but are Not Limited to, Lane Markings, Edge
Lines, and Gore Markings. All Work and Materials Necessary to
Meet This Requirement, Including Maintenance, Shall be Included
in Item S900-60B Pav Marking Waterborne Temporary.

Tubular Markers
Spaced @ 55'

MATCH LINE STA. 2574+50

2575

2580

PC 2583+43.57

MATCH LINE STA. 2584+20

I-84
WB

Tubular Markers
Spaced @ 35'

Tubular Markers
Spaced @ 55'

Tubular Markers
Spaced @ 55'

Shifting Taper 1000'

NOTE: Taper Can Be Shifted West in Separate
Phase to Allow Construction Coverage
of Remaining I-84 Surface.

I-84
EB**LEGEND**

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

(14)
SG-1(o)



(15)
SG-2(o)



(17)
M6-9(o)
21"x15"

**REVISIONS**

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WWN

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289_trcp_008.sht

DRAWING DATE:
March 2017

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TRANSPORTATION
DEPARTMENT

Parametrix



PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

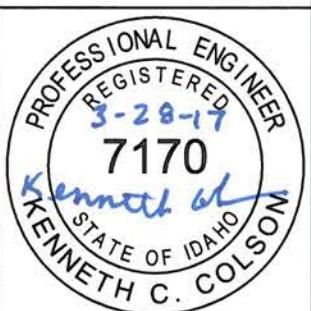
I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
WEST WYE (MIDDLE LANES PHASE)

English

COUNTY Ada

KEY NUMBER 19289

SHEET 17 OF 47

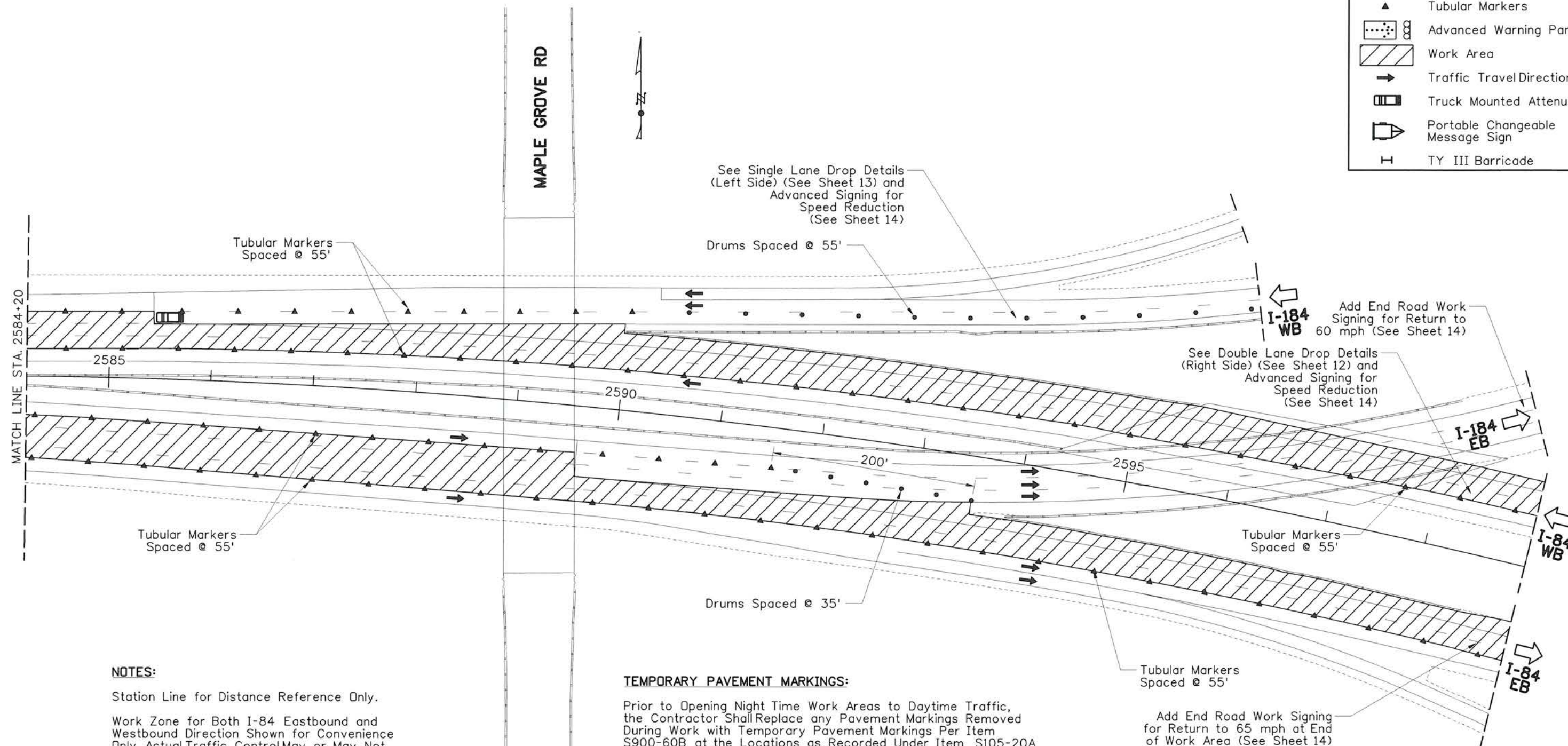


3/22/24 PM

3/28/2017

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LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade



NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_009.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

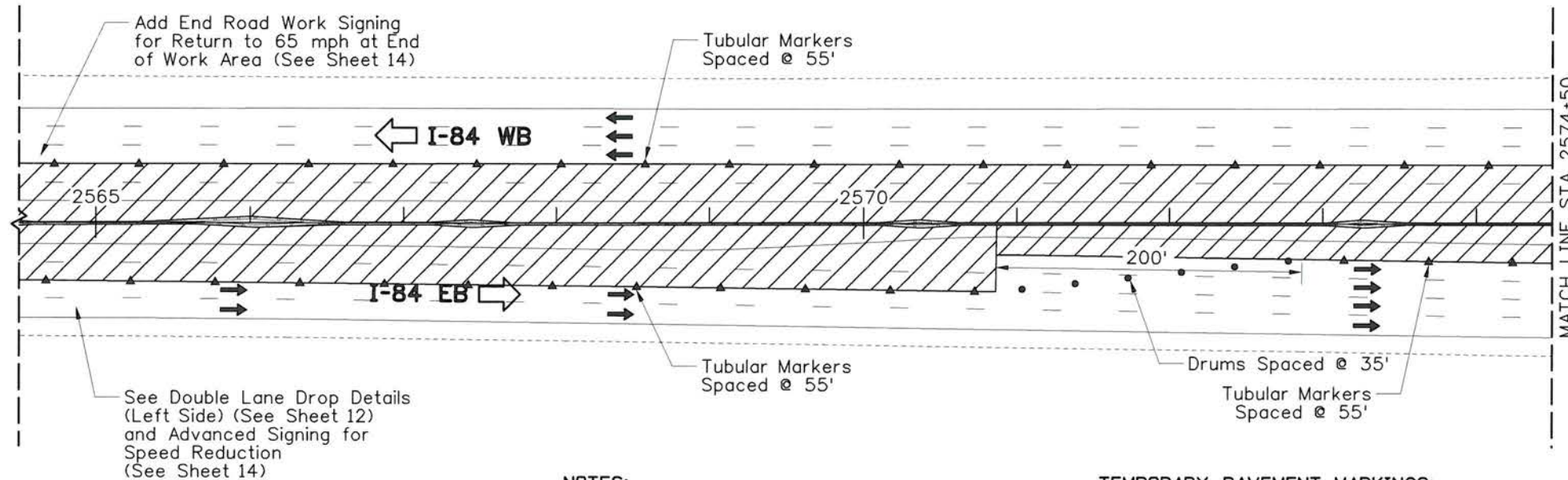
PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE WEST WYE (MIDDLE LANES PHASE)

English
COUNTY Ada
KEY NUMBER 19289
SHEET 18 OF 47



Approx. 2800' to Five Mile Overpass.
Approx. 1550' to Project Limit at M.P. 48.32
or Approx. Sta. 2549+00.
(Field Verify Project Limit)

**NOTES:**

Station Line for Distance Reference Only.

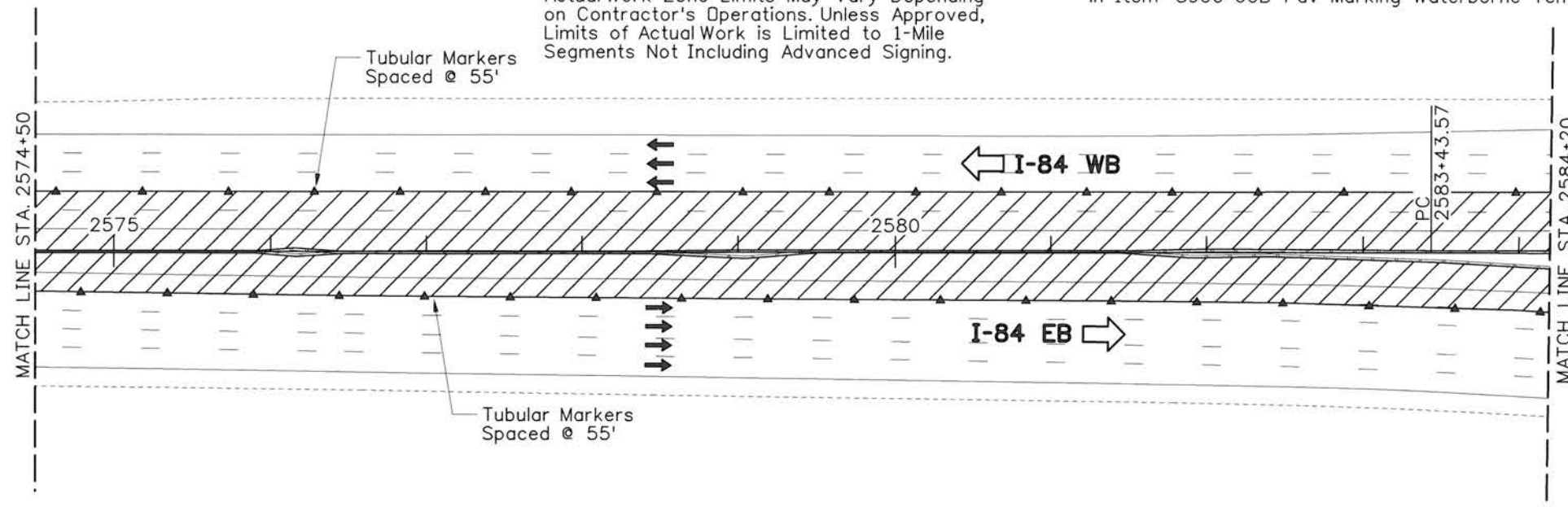
Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

Approx. 2250' to Eastbound Project Limit
at M.P. 48.51 or Approx. Sta. 2559+00.
(Field Verify Project Limit)

**LEGEND**

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WW

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289_trcp_010.sht

DRAWING DATE:
March 2017

**IDAHO
TRANSPORTATION
DEPARTMENT**

Parametrix



PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

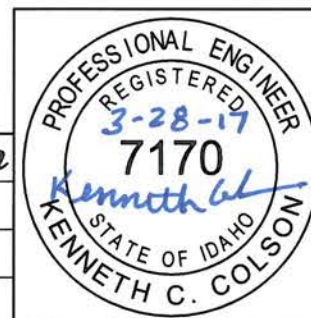
**I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
WEST WYE (LEFT LANES PHASE)**

English

COUNTY Ada

KEY NUMBER 19289

SHEET 19 OF 47



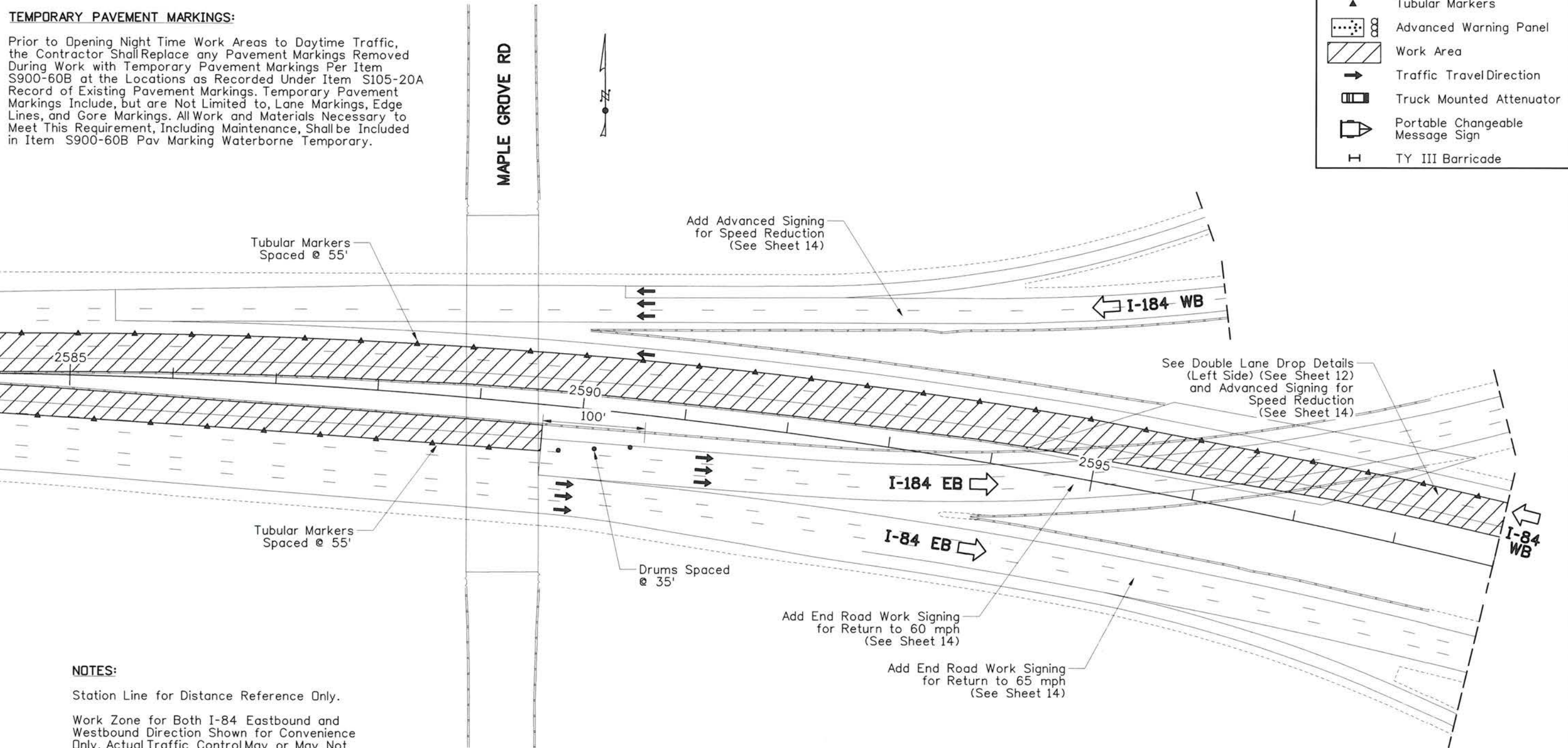
3/28/2017

3/28/2017

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TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

REVISIONS				DESIGNED		SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	KCC		
				DESIGN CHECKED		PSA
				DETAILED		
				KMR/WW		CADD FILE NAME 19289_trcp_011.sht
				DRAWING CHECKED		DRAWING DATE: March 2017
				PSA		

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix



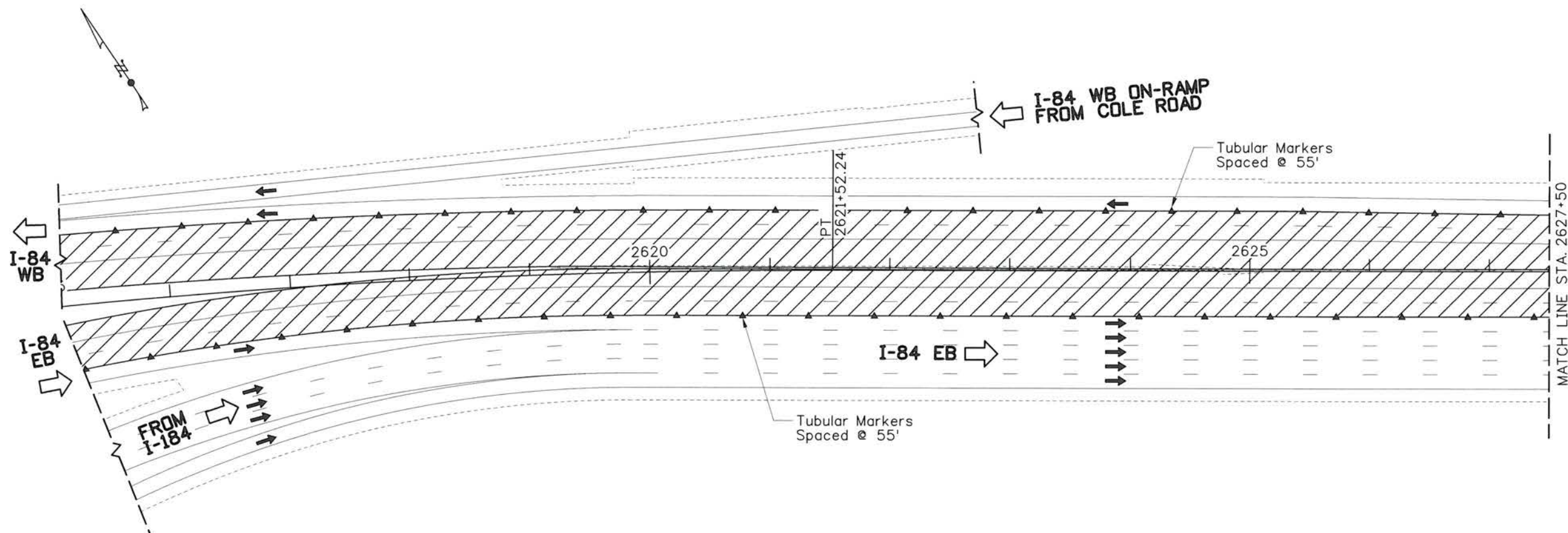
PROJECT NO.	TEMPORARY TRAFFIC CONTROL
A019(289)	I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE WEST WYE (LEFT LANES PHASE)

COUNTY	Ada
KEY NUMBER	19289
SHEET	20 OF 47

PROFESSIONAL ENGINEER
REGISTERED
7170
Kenneth C. Colson
STATE OF IDAHO
KENNETH C. COLSON

3/28/2017 3:23 PM

U:\Bois\Projects\Clients\4006-ITD\314-4006-050 I-84 5Mile to Orchard rd\995\cs\CADD\GN\SHEETS\19289_trcp_012.sht



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_012.sht
DRAWING DATE: March 2017

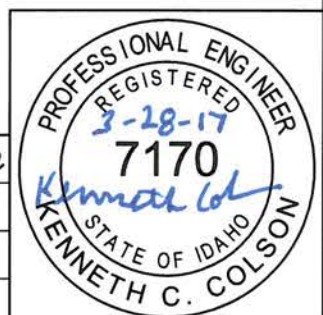
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EAST WYE (LEFT LANES PHASE)

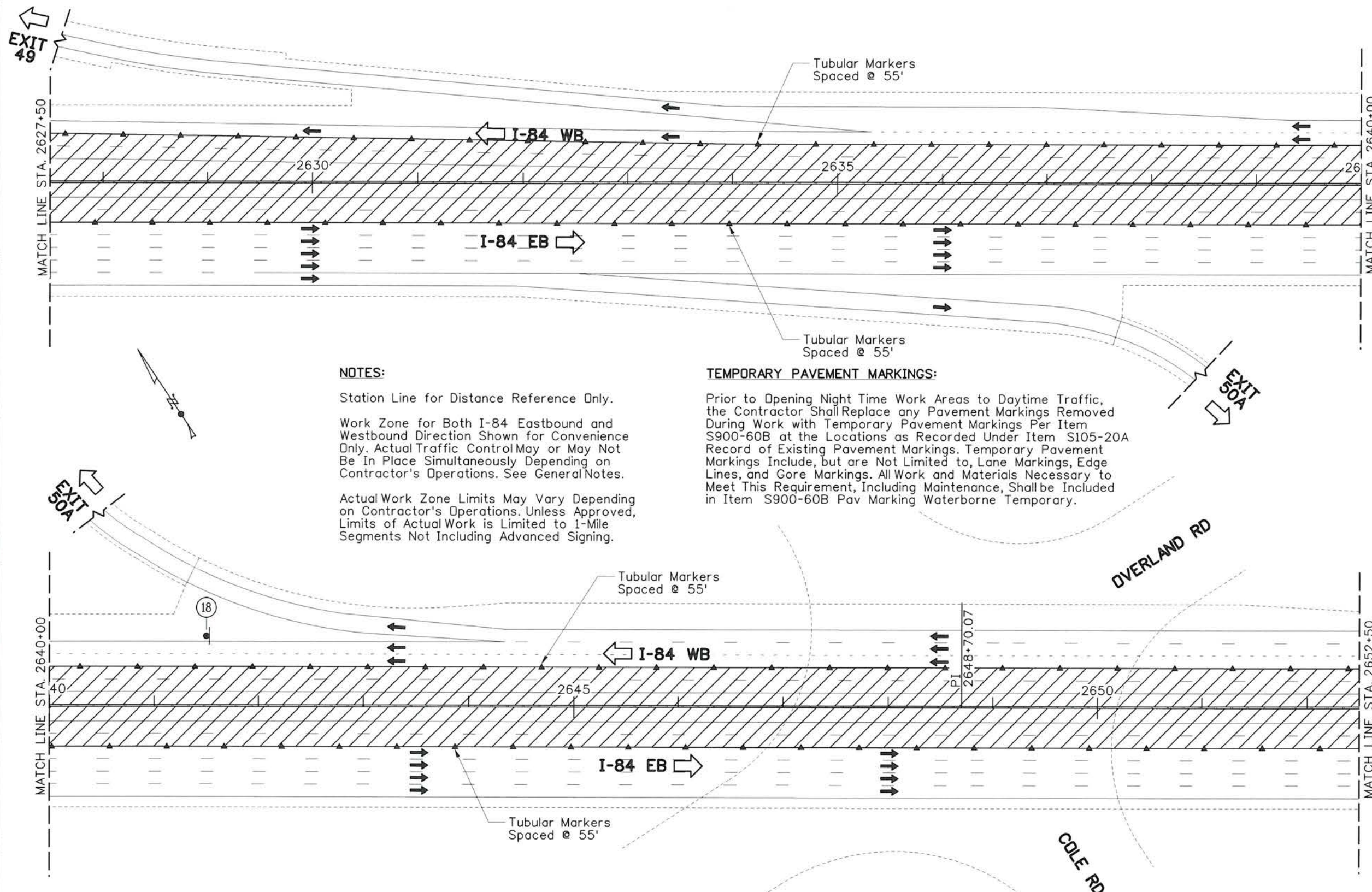
English
COUNTY Ada
KEY NUMBER 19289
SHEET 21 OF 47



3/23/17

3/28/2017

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NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

(18)
R3-33
78"x36"

RIGHT LANE
MUST EXIT

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WW

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289_trcp_013.sht

DRAWING DATE:
March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix



PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

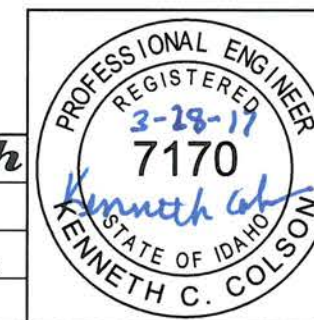
I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
EAST WYE (LEFT LANES PHASE)

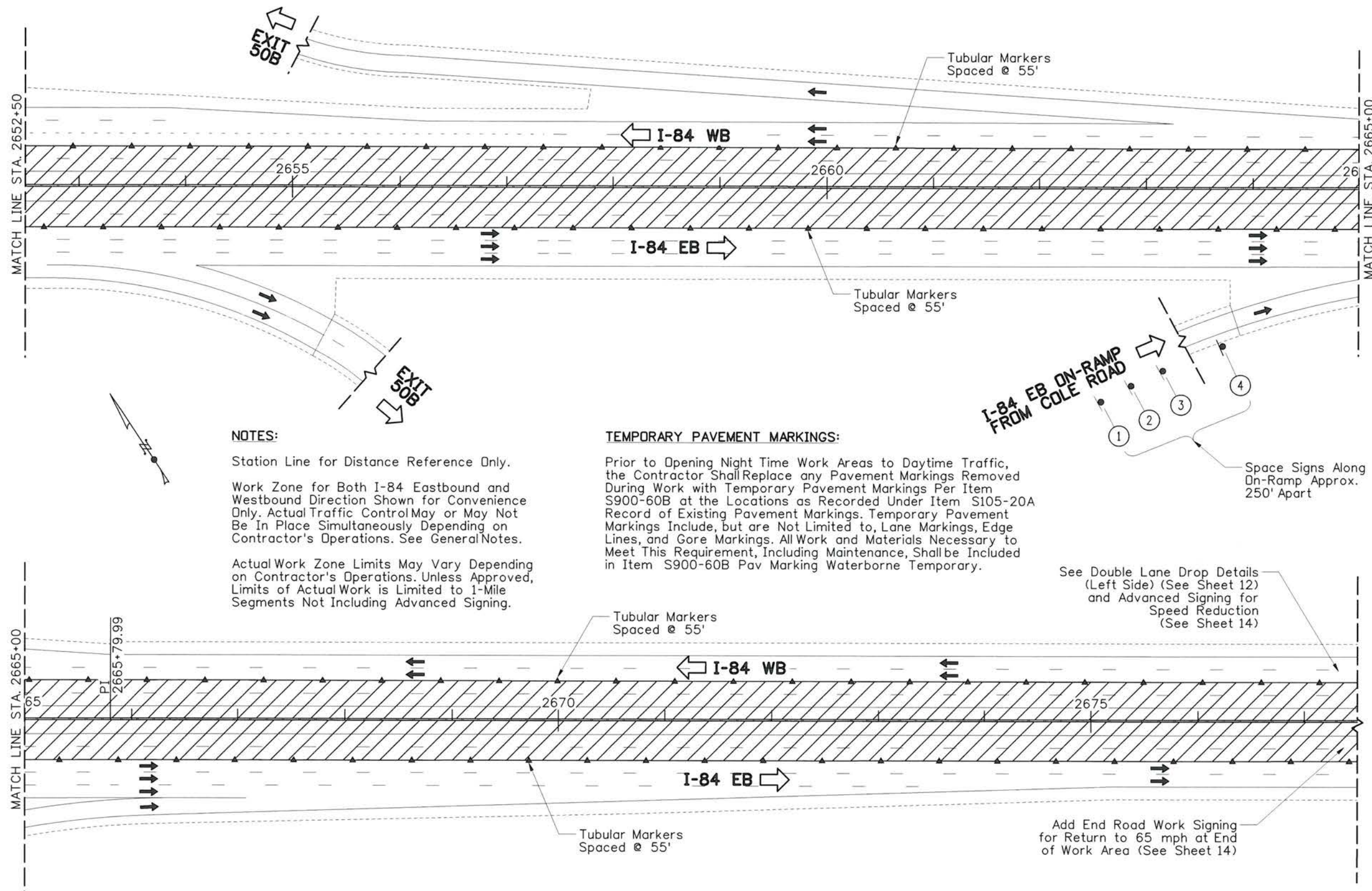
English

COUNTY Ada

KEY NUMBER 19289

SHEET 22 OF 47



**NOTES:**

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- ▲ Tubular Markers
- ⋯ Advanced Warning Panel
- ▨ Work Area
- Traffic Travel Direction
- ▬ Truck Mounted Attenuator
- ▮ Portable Changeable Message Sign
- ⊥ TY III Barricade

①
W20-1
48"x48"



②
R2-1001
72"x36"

INCREASED FINES
FOR WORK ZONE
SPEED VIOLATIONS

③
W3-5(o)(55)
48"x48"



④
R2-1(55)
48"x60"



See Double Lane Drop Details
(Left Side) (See Sheet 12)
and Advanced Signing for
Speed Reduction
(See Sheet 14)

Add End Road Work Signing
for Return to 65 mph at End
of Work Area (See Sheet 14)

Approx. 6650' to Orchard St.
Approx. 3250' to Project Limit at M.P. 51.31
or Approx. Sta. 2710+00.
(Field Verify Project Limit)

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED

KCC

DESIGN CHECKED

PSA

DETAILED

KMR/WWN

DRAWING CHECKED

PSA

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
19289_trcp_014.sht

DRAWING DATE:
March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix



PROJECT NO.

A019(289)

TEMPORARY TRAFFIC CONTROL

I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
EAST WYE (LEFT LANES PHASE)

English

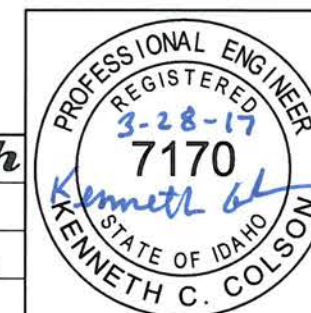
COUNTY

Ada

KEY NUMBER

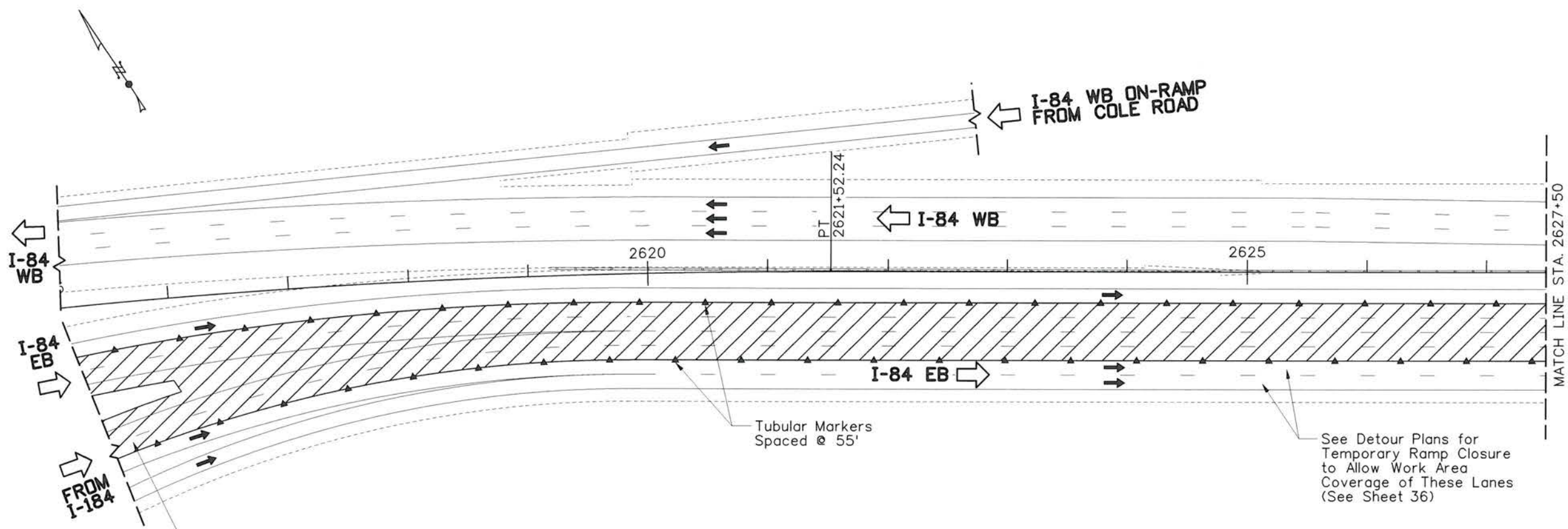
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SHEET 23 OF 47



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LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

See Double Lane Drop Details (Left Side) (See Sheet 12) and Advanced Signing for Speed Reduction (See Sheet 14)

NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_015.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

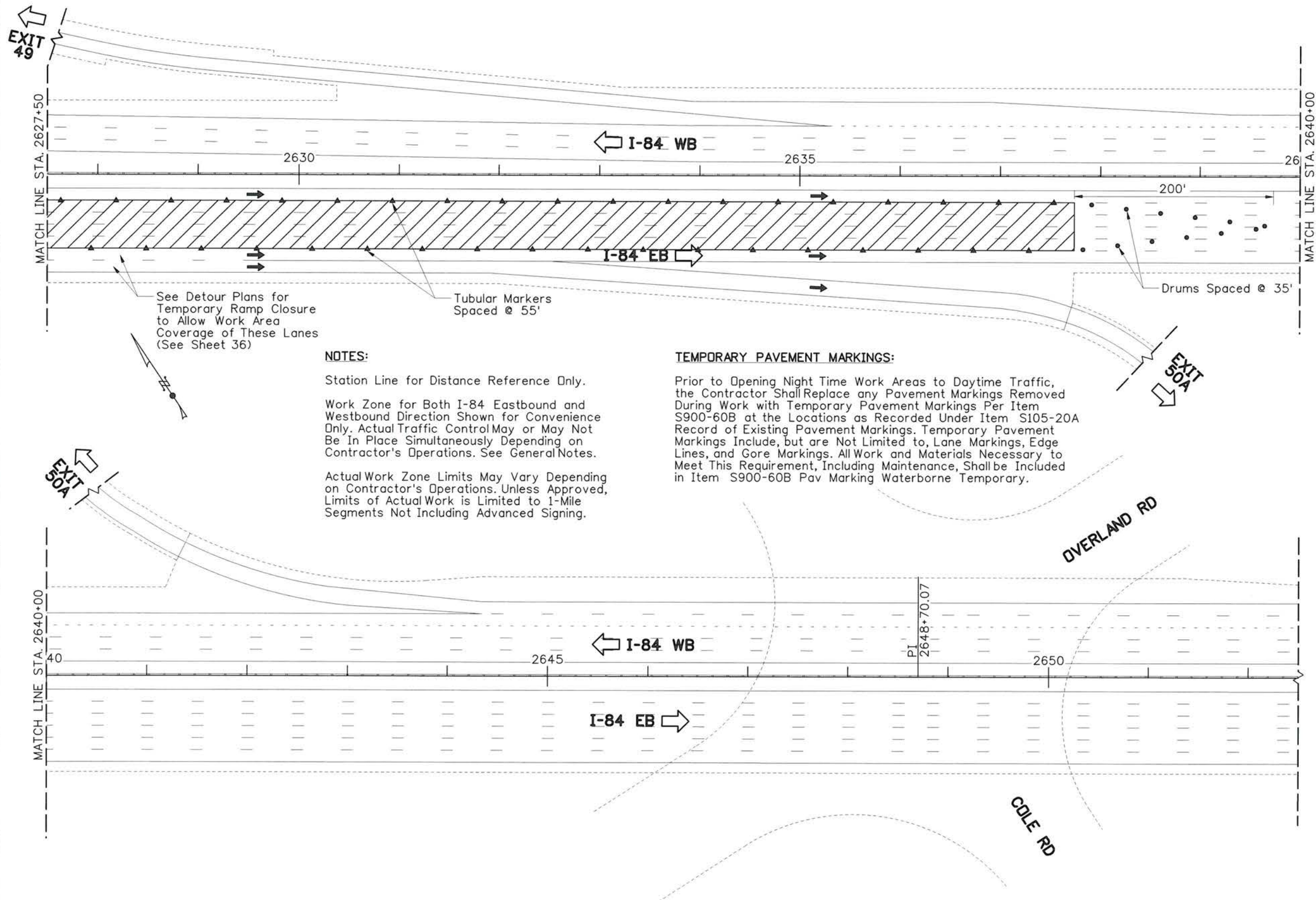
TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EAST WYE (MIDDLE LANES PHASE)

English
COUNTY Ada
KEY NUMBER 19289
SHEET 24 OF 47

PROFESSIONAL ENGINEER
REGISTERED
3-28-17
7170
Kenneth C. Colson
STATE OF IDAHO
KENNETH C. COLSON

3/28/2017 3:23:38 PM

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NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signage.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

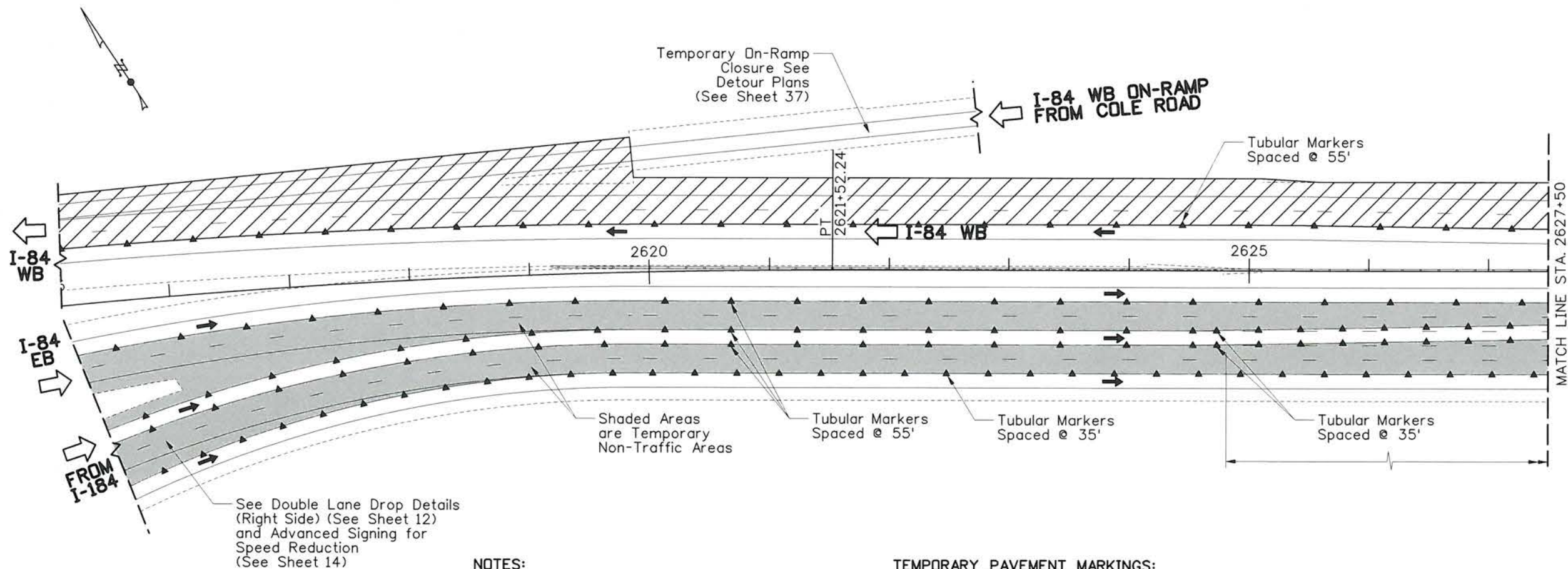
TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EAST WYE (MIDDLE LANES PHASE)

English
COUNTY Ada
KEY NUMBER 19289
SHEET 25 OF 47



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LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_017.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EAST WYE (RIGHT LANES PHASE)

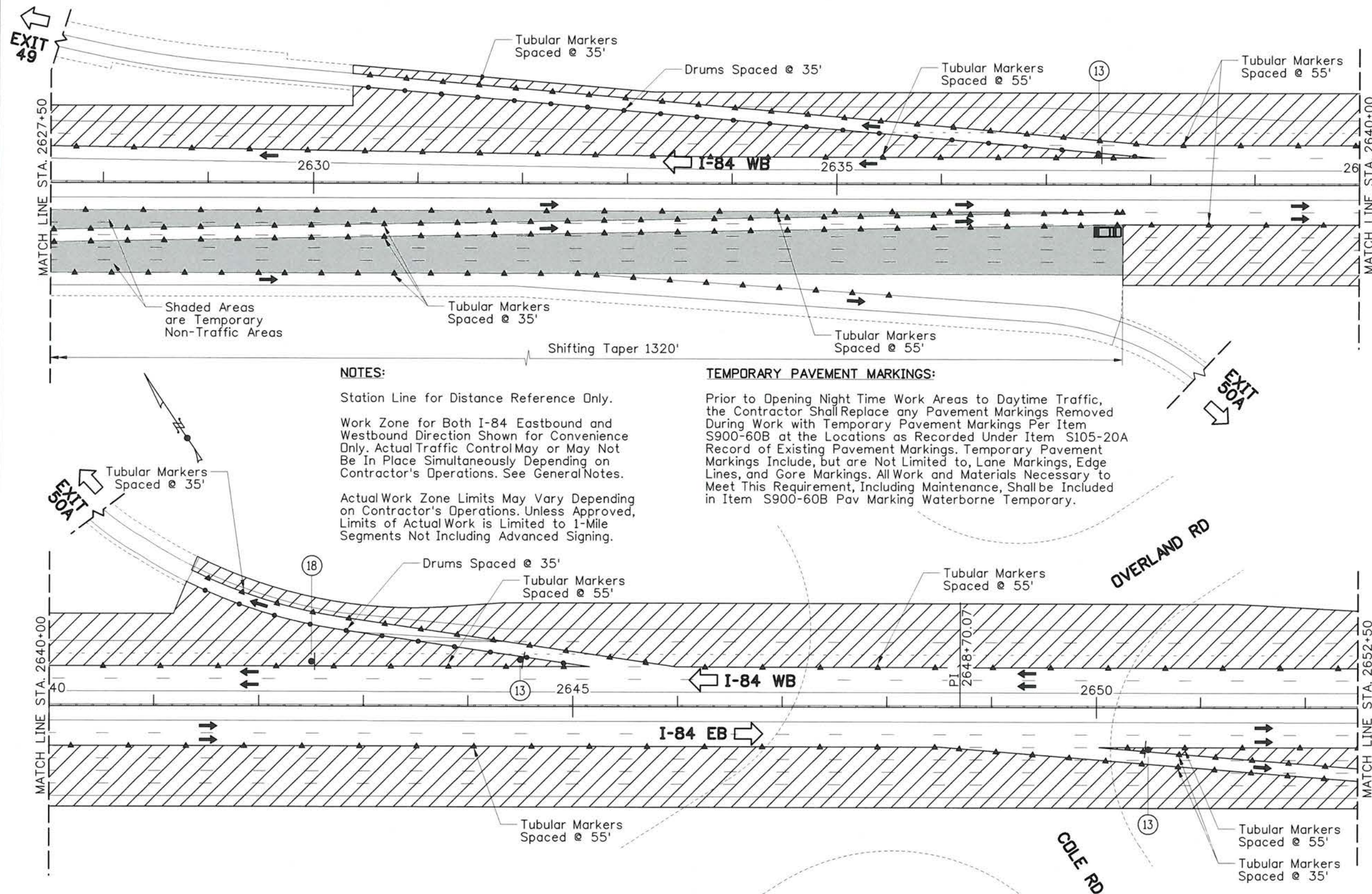
English
COUNTY Ada
KEY NUMBER 19289
SHEET 26 OF 47



3/24/2017

3/28/2017

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13
SE-1(o)
72"x60"



18
R3-33
78"x36"

RIGHT LANE
MUST EXIT

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_018.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

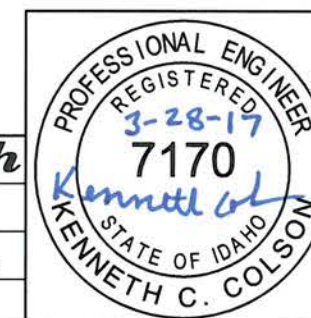
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PROJECT NO.
A019(289)

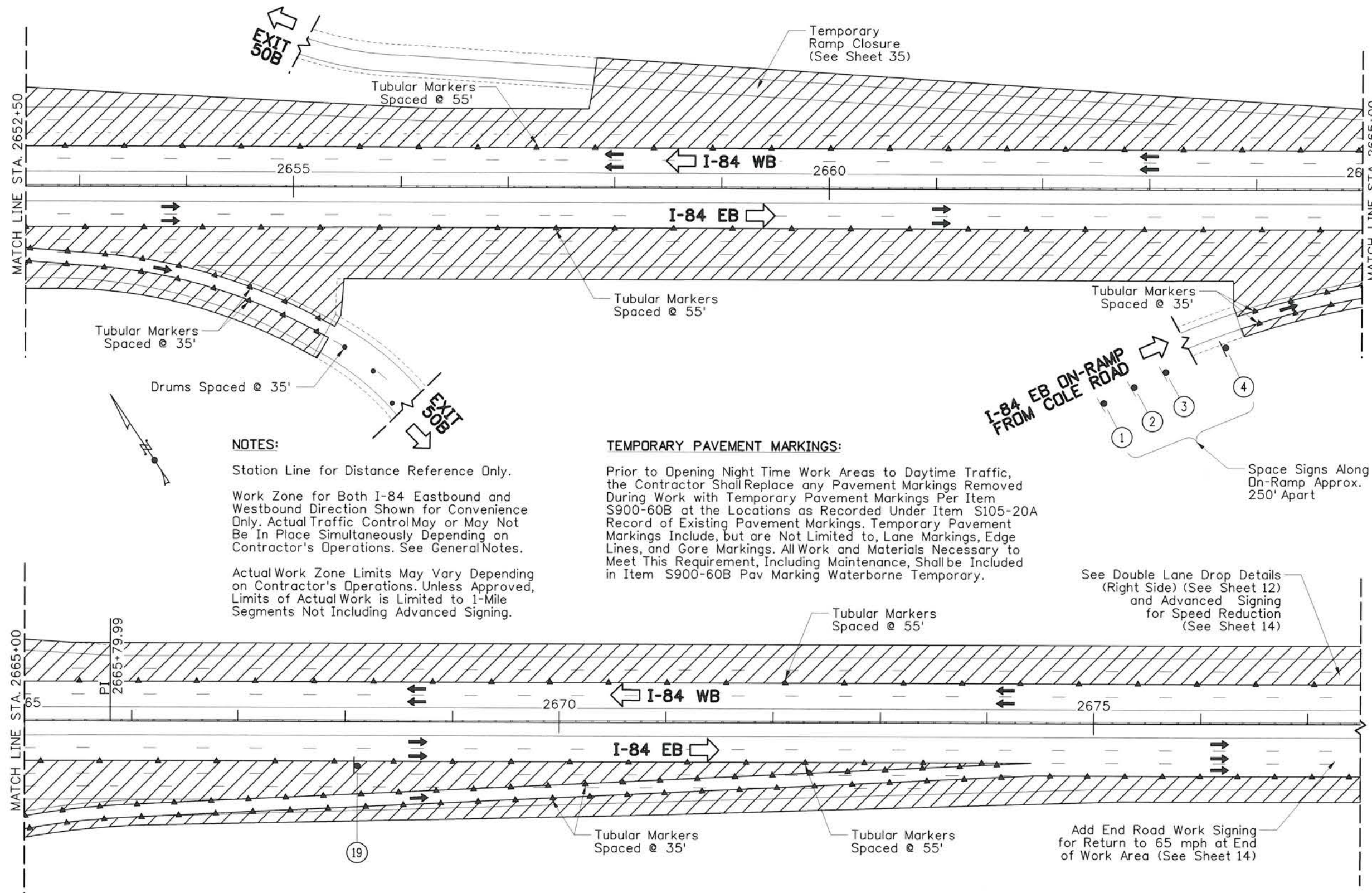
TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO
ORCHARD RD & RAMPS, BOISE
EAST WYE (RIGHT LANES PHASE)

English
COUNTY Ada
KEY NUMBER 19289
SHEET 27 OF 47



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NOTES:

Station Line for Distance Reference Only.

Work Zone for Both I-84 Eastbound and Westbound Direction Shown for Convenience Only. Actual Traffic Control May or May Not Be In Place Simultaneously Depending on Contractor's Operations. See General Notes.

Actual Work Zone Limits May Vary Depending on Contractor's Operations. Unless Approved, Limits of Actual Work is Limited to 1-Mile Segments Not Including Advanced Signing.

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: March 2017

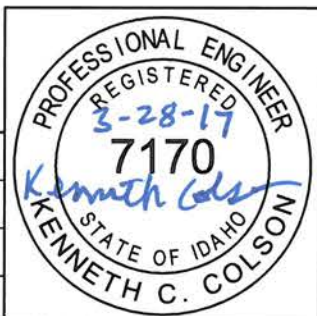
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EAST WYE (RIGHT LANES PHASE)

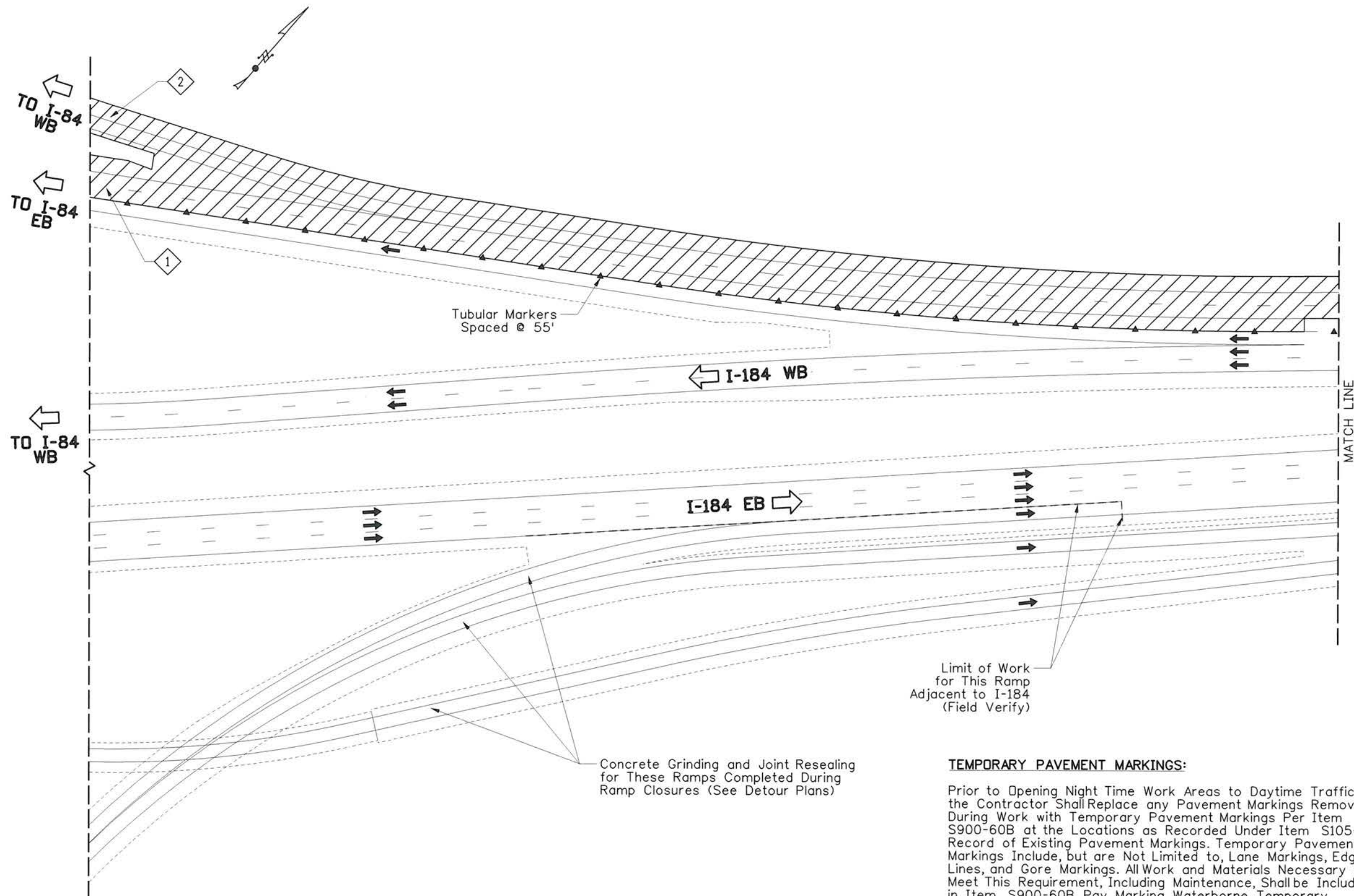
English
COUNTY Ada
KEY NUMBER 19289
SHEET 28 OF 47



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3/28/2017

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LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

- 1 Work Zone Extends Across Flyover to Merge Point With I-84 Eastbound. Bridge and Approach Slabs are Excluded From Concrete Grinding and Joint Resealing. Add End Road Work Signing for Return to 65 mph at End of Work Zone. (See Sheet 14)
- 2 Work Zone Extends Along the Entire Ramp to the Merge Point with I-84 Westbound. Add End Road Work Signing for Return to 65 mph at End of Work Zone. (See Sheet 14)

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_020.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE
I-184 PHASE - 1

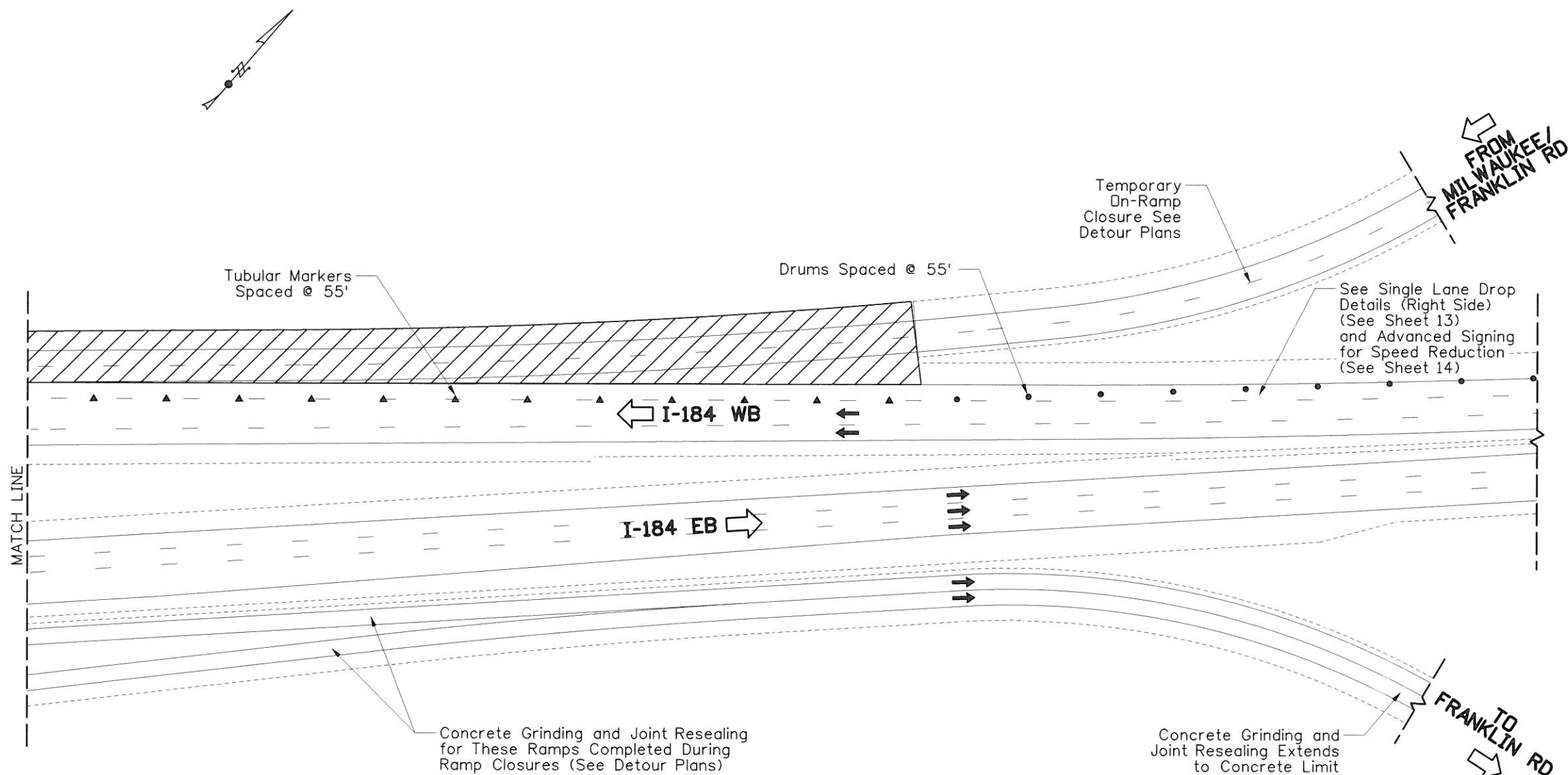
English
COUNTY Ada
KEY NUMBER 19289
SHEET 29 OF 47



3/24/9 PM

3/28/2017

U:\Bois\Projects\Clients\4006-ITD\314-4006-050 I-84 5Mile to Orchard\99S\cs\CADD\GN\SHEETS\19289_trcp_021.sht



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_021.sht
DRAWING DATE: March 2017

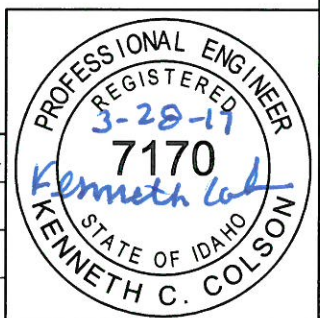
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE I-184 PHASE - 1

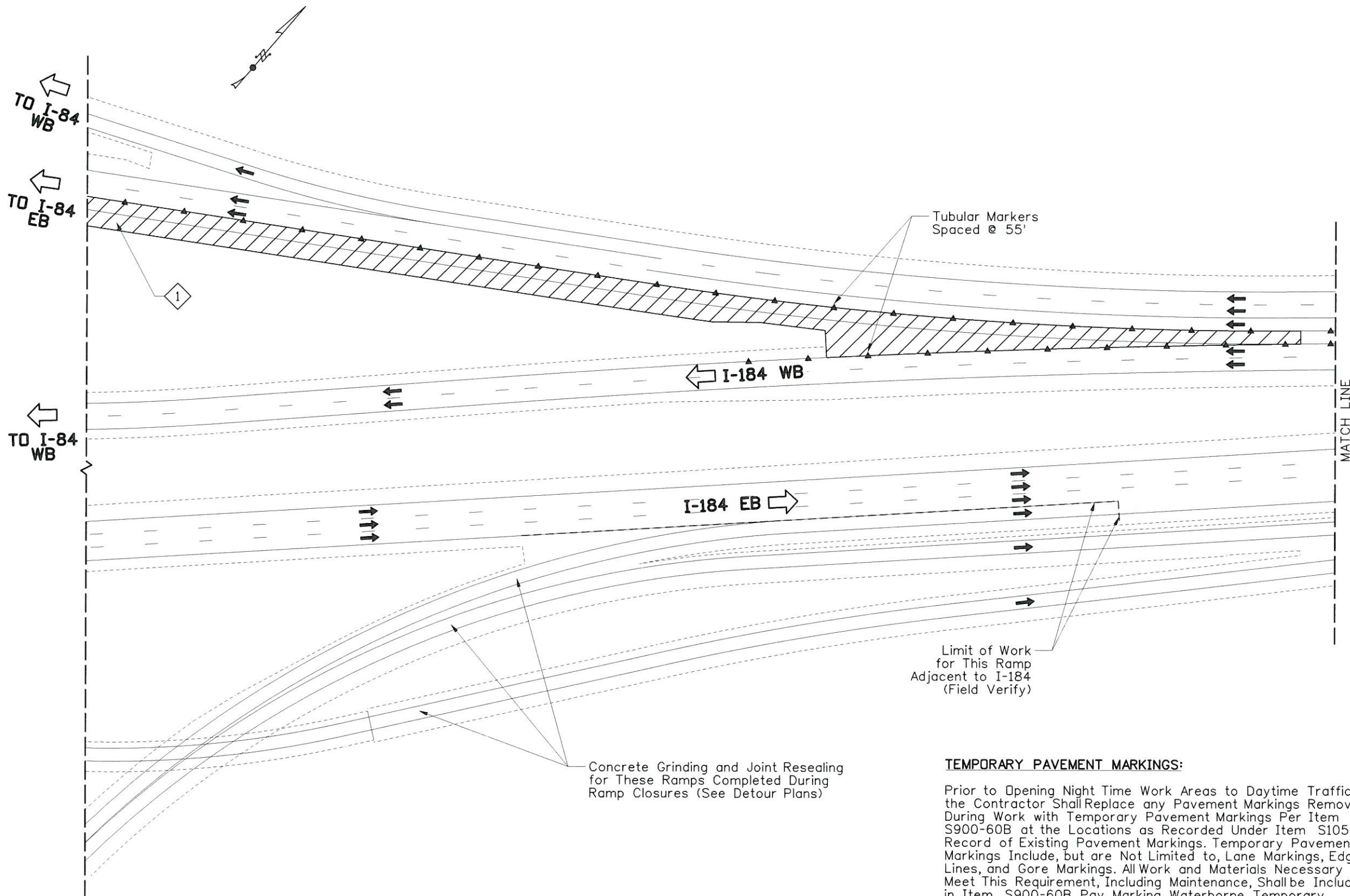
English
COUNTY Ada
KEY NUMBER 19289
SHEET 30 OF 47



3/28/2017

3:42:51 PM

U:\Bois\Projects\Clients\4006-ITD\314-4006-050 I-84 5Mile to Orchard Rd\995vcs\CADD\CON\SHEETS\19289_trcp_022.sht



LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

1 Work Zone Extends Across Flyover to Merge Point With I-84 Eastbound. Bridge and Approach Slabs are Excluded From Concrete Grinding and Joint Resealing. Add End Road Work Signing for Return to 65 mph at End of Work Zone. (See Sheet 14)

TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_trcp_022.sht
DRAWING DATE: March 2017

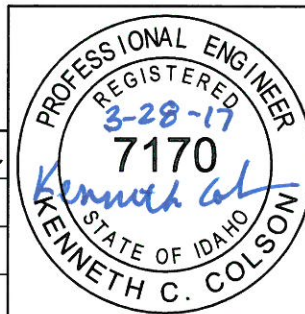
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

TEMPORARY TRAFFIC CONTROL
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE I-184 PHASE - 2

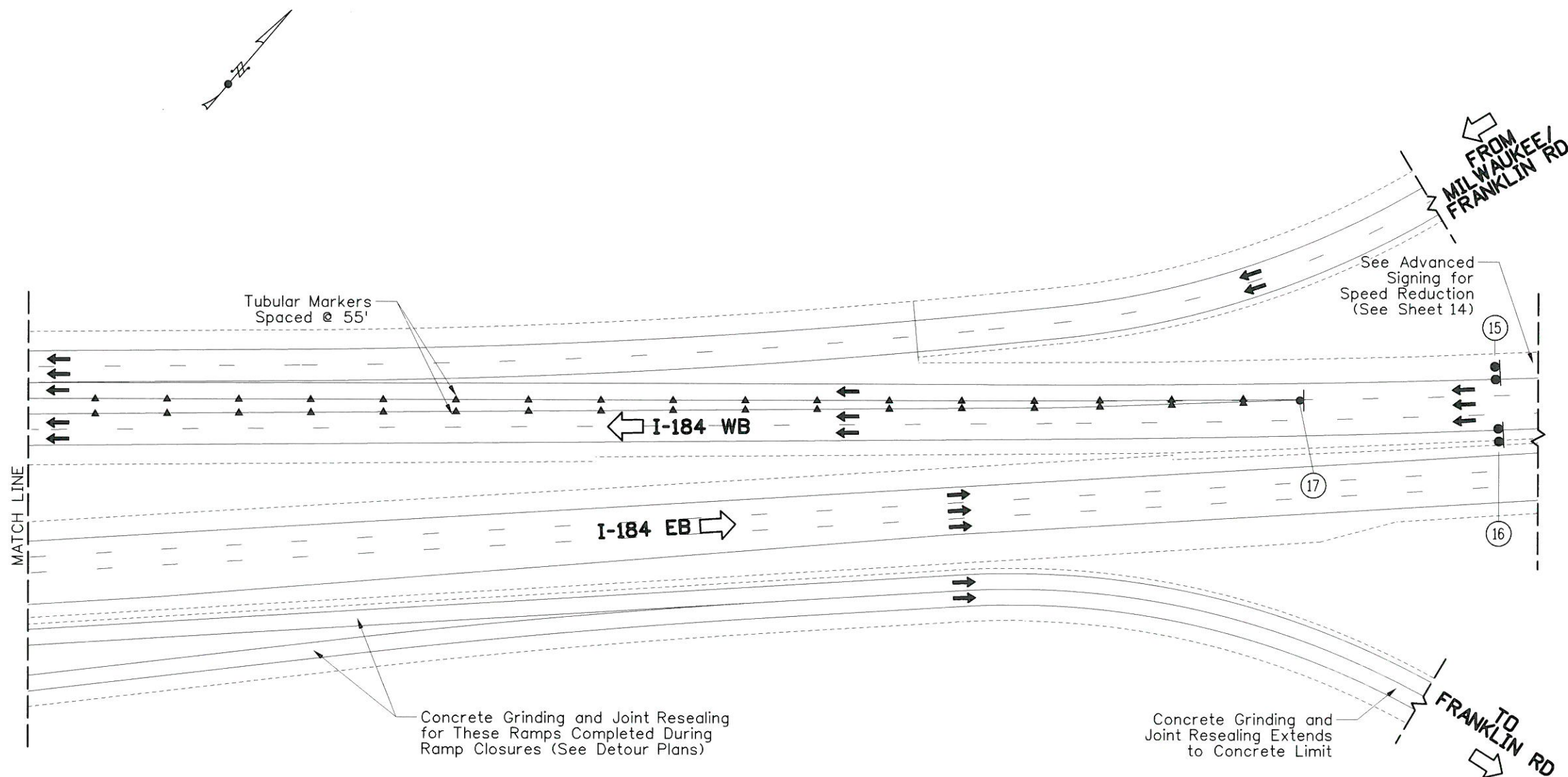
English
COUNTY Ada
KEY NUMBER 19289
SHEET 31 OF 47



3/28/2017

3:25:53 PM

U:\Bois\Projects\Clients\4006-ITD\314-4006-050 I-84 5Mile to Orchard Rd\99S\cadd\DCN\SHEETS\19289_trcp_023.sht



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

15

SG-2(o)

84 EAST

MNT. HOME

KEEP RIGHT

16

SG-3(o)

84 WEST

NAMPA

KEEP LEFT

17

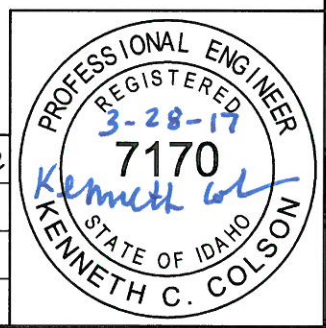
M6-9(o)

21"x15"

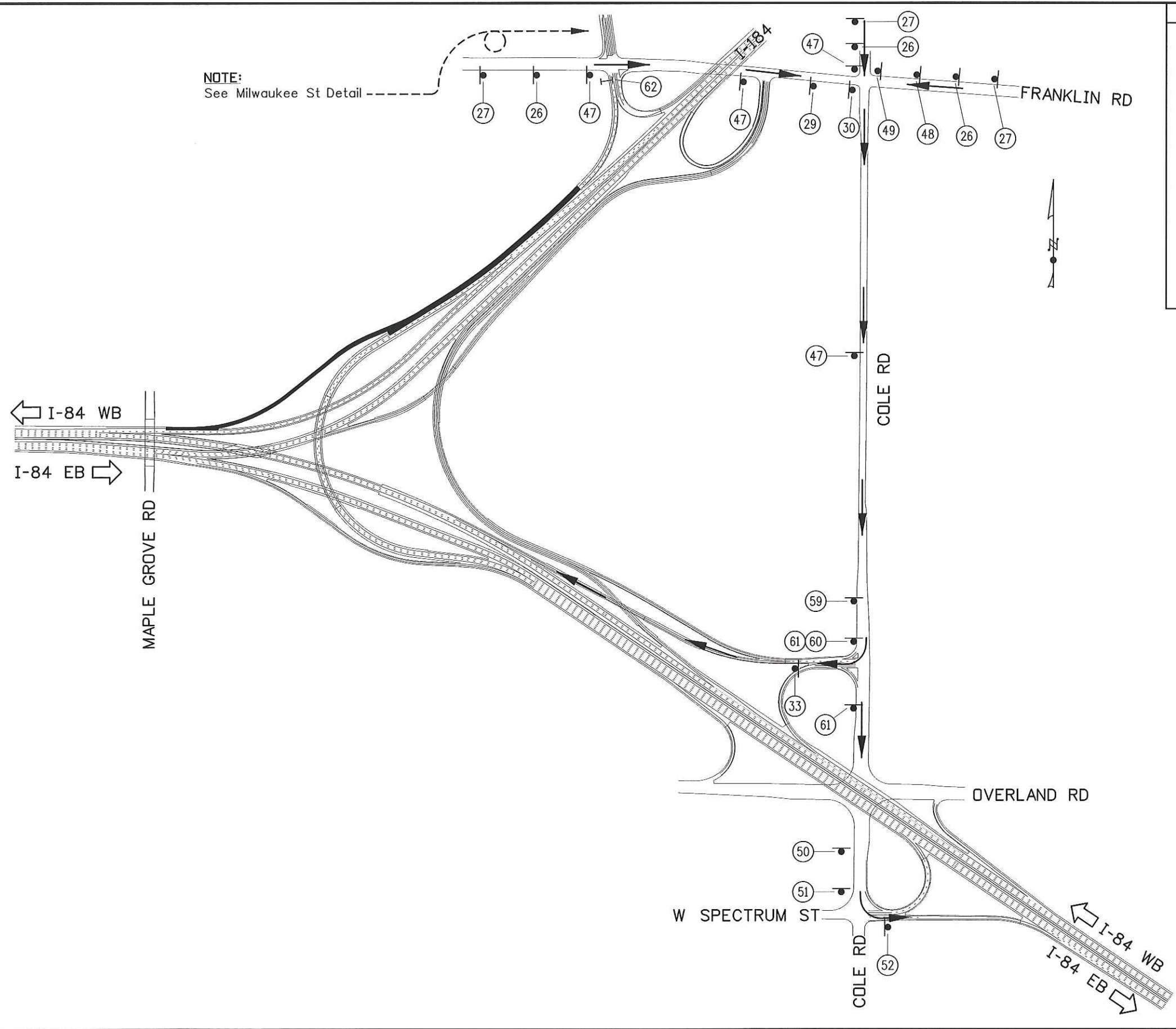
TEMPORARY PAVEMENT MARKINGS:

Prior to Opening Night Time Work Areas to Daytime Traffic, the Contractor Shall Replace any Pavement Markings Removed During Work with Temporary Pavement Markings Per Item S900-60B at the Locations as Recorded Under Item S105-20A Record of Existing Pavement Markings. Temporary Pavement Markings Include, but are Not Limited to, Lane Markings, Edge Lines, and Gore Markings. All Work and Materials Necessary to Meet This Requirement, Including Maintenance, Shall be Included in Item S900-60B Pav Marking Waterborne Temporary.

REVISIONS				DESIGNED KCC	DESIGN CHECKED PSA	DETAILED KMR/WNW	DRAWING CHECKED PSA	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME 19289_trcp_023.sht	DRAWING DATE: March 2017	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO. A019(289)	TEMPORARY TRAFFIC CONTROL I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE I-184 PHASE - 2	English	COUNTY Ada	KEY NUMBER 19289	SHEET 32 OF 47
NO.	DATE	BY	DESCRIPTION														



U:\Bois\Projects\Clients\4006-ITD\314-4006-050 I-84 5Mile to Orchard Rd\99Sves\CADD\DWG\SHEETS\19289_detr_001.sht 3/30/2017 6:05:28 PM



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

See Sheets 39 and 40 for Sign Assemblies.

See Sheets 41 to 47 for Sign Details.

Temporary Traffic Control Sign Placement Spacing as per MUTCD Part 6. Adjust as Necessary to Avoid Conflicting Driveways and Other Obstructions.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_detr_001.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

DETOUR PLANS	
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE	
I-84 WB & EB AT FRANKLIN RD	

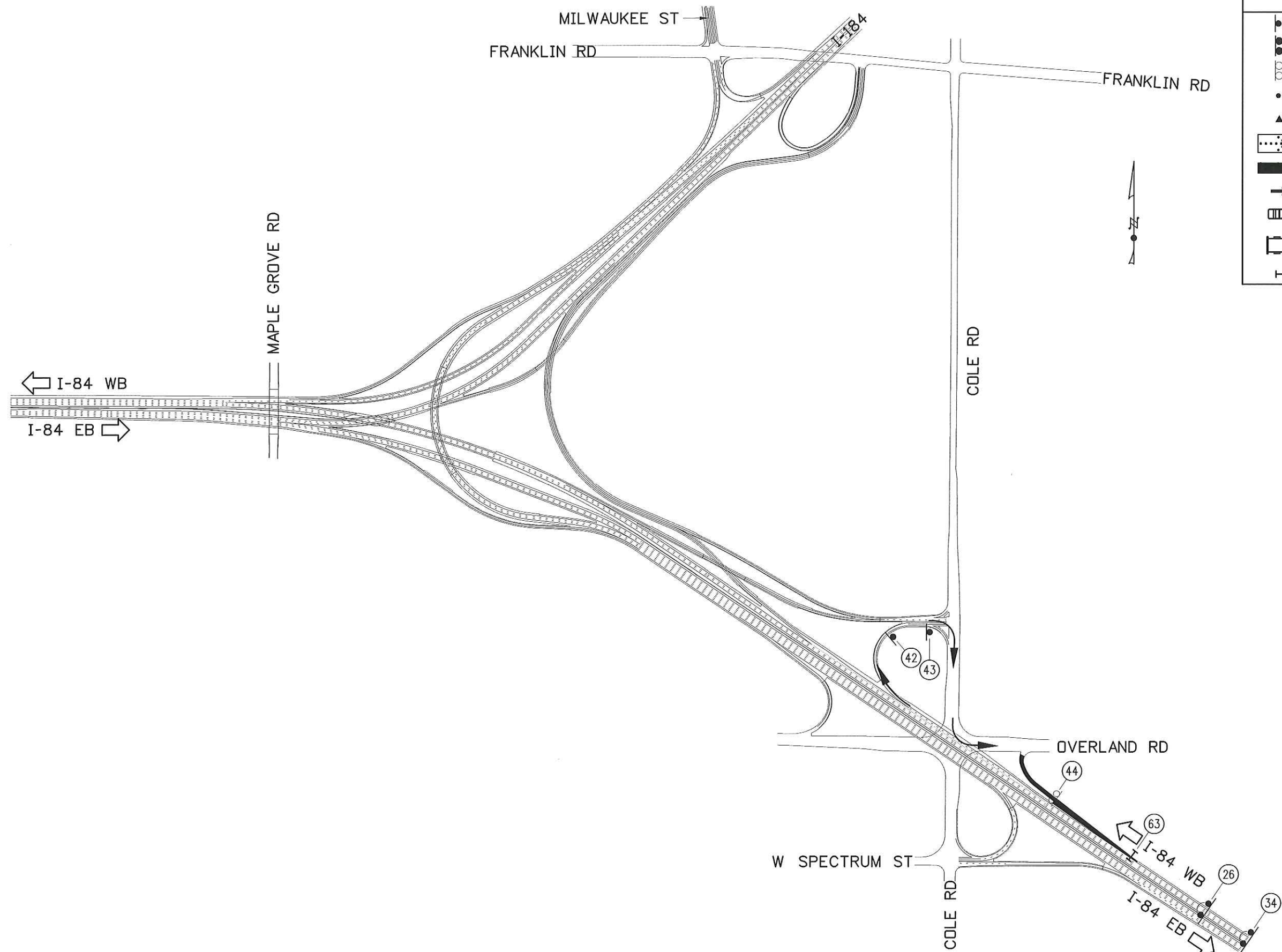
English
COUNTY Ada
KEY NUMBER 19289
SHEET 33 OF 47

PROFESSIONAL ENGINEER
REGISTERED
3-30-17
7170
Kenneth C. Colson
STATE OF IDAHO
KENNETH C. COLSON

6:05:33 PM

3/30/2017

U:\Bois\Projects\Clients\4006-ITD\314-4006-050 I-84 5Mile to Orchard Rd\995ves\CADD\DCN\SHEETS\19289_detr_003.sht



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

NOTE:
See Sheets 39 and 40
for Sign Assemblies.

See Sheets 41 to 47
for Sign Details.

Temporary Traffic Control
Sign Placement Spacing as
per MUTCD Part 6. Adjust as
Necessary to Avoid Conflicting
Driveways and Other
Obstructions.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	PSA	
DETAILED	KMR/WNW	CADD FILE NAME 19289_detr_003.sht
DRAWING CHECKED	PSA	DRAWING DATE: March 2017

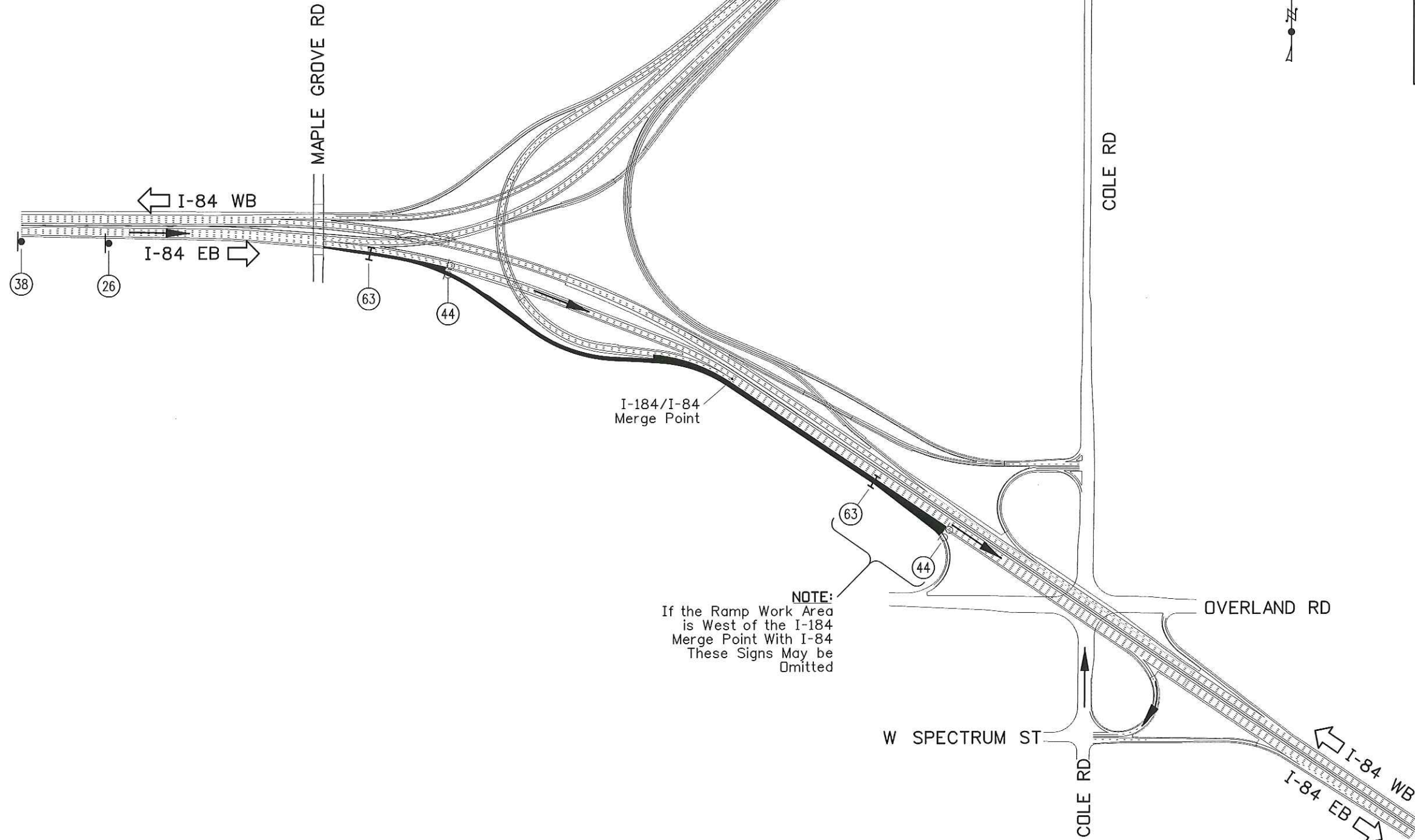
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.	DETOUR PLANS
A019(289)	I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE WB I-84 TO EB OVERLAND RD

English	
COUNTY	Ada
KEY NUMBER	19289
SHEET	35 OF 47





NOTE:
If the Ramp Work Area
is West of the I-184
Merge Point With I-84
These Signs May be
Omitted

LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade

NOTE:
See Sheets 39 and 40
for Sign Assemblies.

See Sheets 41 to 47
for Sign Details.

Temporary Traffic Control
Sign Placement Spacing as
per MUTCD Part 6. Adjust as
Necessary to Avoid Conflicting
Driveways and Other
Obstructions.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

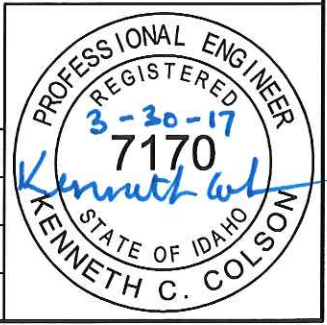
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: March 2017

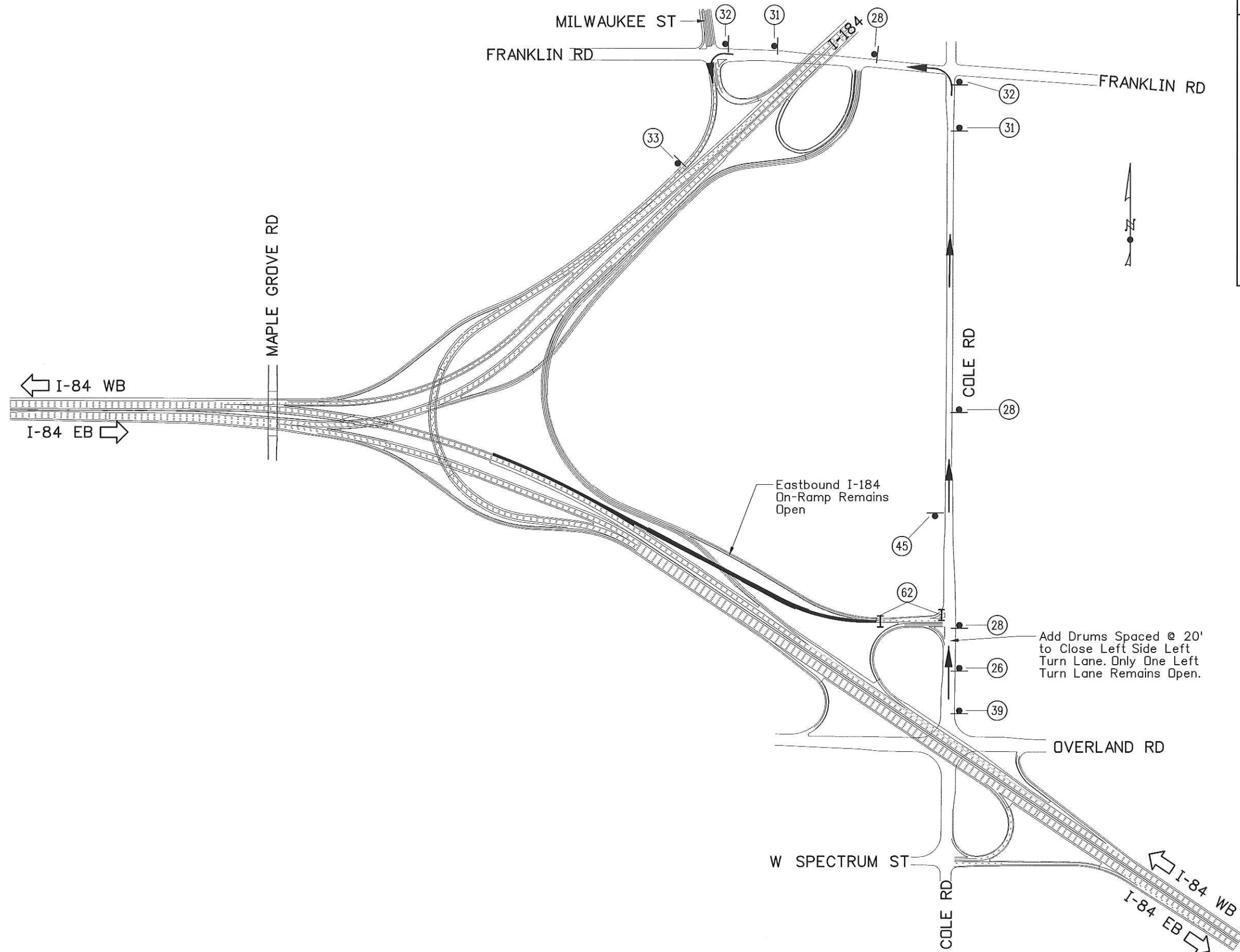
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.	DETOUR PLANS
A019(289)	I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EB I-84 AT EXIT 50A-B

English
COUNTY Ada
KEY NUMBER 19289
SHEET 36 OF 47





LEGEND

- Sign (Single Post)
- Sign (Double Post)
- Sign Existing (Double Post)
- Drums
- Tubular Markers
- Advanced Warning Panel
- Work Area
- Traffic Travel Direction
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- TY III Barricade

NOTE:
See Sheets 39 and 40 for Sign Assemblies.

See Sheets 41 to 47 for Sign Details.

Temporary Traffic Control Sign Placement Spacing as per MUTCD Part 6. Adjust as Necessary to Avoid Conflicting Driveways and Other Obstructions.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WWN
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_detr_005.sht
DRAWING DATE: March 2017

IDAHO TRANSPORTATION DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

DETOUR PLANS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE
COLE RD TO WB I-84

English
COUNTY Ada
KEY NUMBER 19289
SHEET 37 OF 47

PROFESSIONAL ENGINEER

REGISTERED

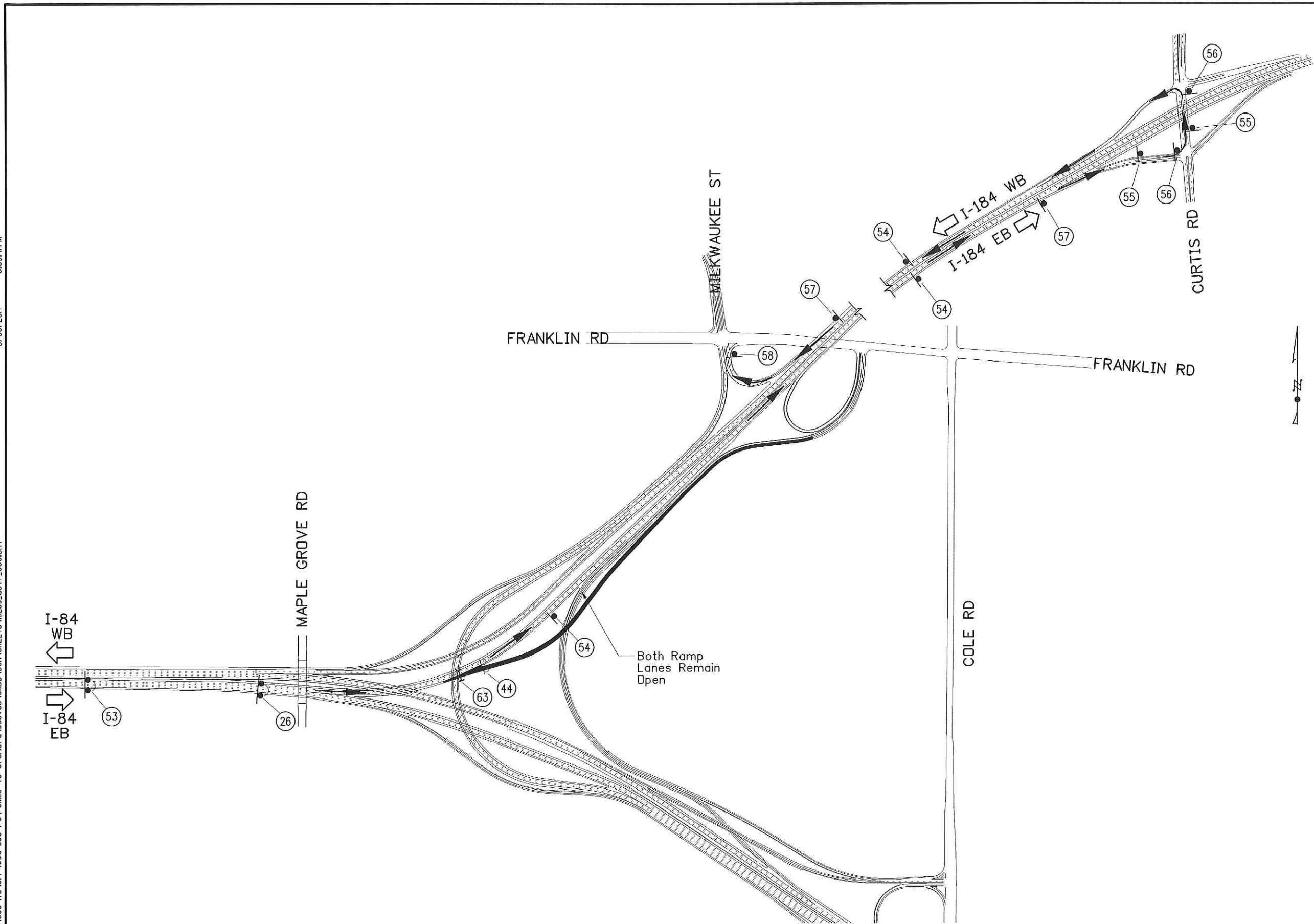
3-30-17

7170

Kenneth C. Colson

STATE OF IDAHO

KENNETH C. COLSON



LEGEND	
	Sign (Single Post)
	Sign (Double Post)
	Sign Existing (Double Post)
	Drums
	Tubular Markers
	Advanced Warning Panel
	Work Area
	Traffic Travel Direction
	Truck Mounted Attenuator
	Portable Changeable Message Sign
	TY III Barricade



NOTE:
See Sheets 39 and 40
for Sign Assemblies.

See Sheets 41 to 47
for Sign Details.

Temporary Traffic Control
Sign Placement Spacing as
per MUTCD Part 6. Adjust as
Necessary to Avoid Conflicting
Driveways and Other
Obstructions.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_detr_006.sht
DRAWING DATE: March 2017

**IDAHO
TRANSPORTATION
DEPARTMENT**

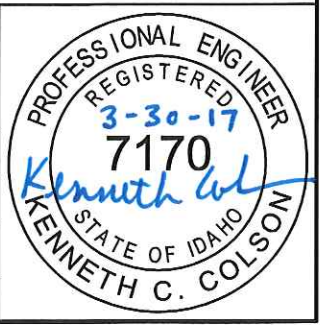
Parametrix



PROJECT NO.
A019(289)

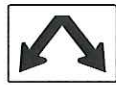
DETOUR PLANS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE EXIT 1A TO FRANKLIN RD

English
COUNTY Ada
KEY NUMBER 19289
SHEET 38 OF 47



U:\Bois\Projects\Clients\4006-1TD\314-4006-050 I-84 5Mile to Orchard Rd\99Sves\CADD\GN\SHEETS\19289_detr_007.sht 3/30/2017 6:05:44 PM

17
M6-9(o)
21"x15"



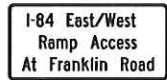
26
W20-2
48"x48"



27
W20-3
48"x48"



SG-4(o)
48"x24"



28
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M6-3(bl)
21"x15"

29
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M5-1R(bl)
21"x15"

30
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M6-1(bl)
21"x15"

31
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M5-1L(bl)
21"x15"

32
M4-8
24"x12"
M3-4(bl)
24"x12"



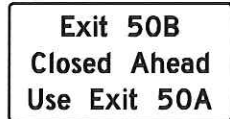
M1-1(84)
24"x24"
M6-1(bl)
21"x15"

33
M4-8a
24"x18"
M3-4(bl)
24"x12"

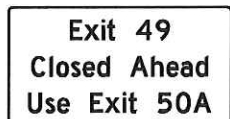


M1-1(84)
24"x24"

34
SG-5(o)
66"x36"



35
SG-6(o)
66"x36"



36
M4-8
24"x12"
M3-2(bl)
24"x12"



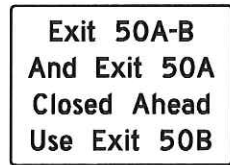
M1-1(184)
30"x24"
M6-3(bl)
21"x15"

37
M4-8a
24"x18"
M3-2(bl)
24"x12"



M1-1(184)
30"x24"

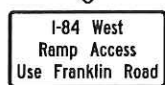
38
SG-7(o)
66"x48"



39
W20-3
48"x48"



SG-8(o)
48"x24"



40
M4-8
24"x12"
M3-2(bl)
24"x12"



M1-1(184)
30"x24"
M5-1L(bl)
21"x15"

41
M4-8
24"x12"
M3-2(bl)
24"x12"



M1-1(184)
30"x24"
M6-1(bl)
21"x15"

42
M4-8
24"x12"
M3-2(b/w)
24"x12"
D3-1(o)
48"x12"
M5-1R(b/w)
21"x15"



43
M4-8
24"x12"
M3-2(b/w)
24"x12"
D3-1(o)
48"x12"
M6-1(b/w)
21"x15"



44
E5-2a(o)
48"x36"



NOTE:
Place Diagonally
Across Existing
Exit Sign per
MUTCD

45
SW-1(o)
48"x48"



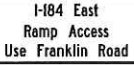
SG-11(o)
48"x36"



46
W20-3
48"x48"



SG-9(o)
48"x24"



47
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M6-3(bl)
21"x15"

48
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M5-1L(bl)
21"x15"

49
M4-8
24"x12"
M3-4(bl)
24"x12"



M1-1(84)
24"x24"
M6-1(bl)
21"x15"

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	PSA	
DETAILED	KMR/WNW	CADD FILE NAME 19289_detr_007.sht
DRAWING CHECKED	PSA	DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

PROJECT NO.
A019(289)

DETOUR PLANS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE SIGN ASSEMBLIES

<i>English</i>	
COUNTY	Ada
KEY NUMBER	19289
SHEET	39 OF 47



50
M4-8
24"x12"
M3-2(bl)
24"x12"

M1-1(84)
24"x24"
M5-1L(bl)
21"x15"

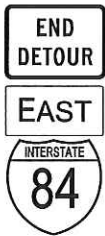


51
M4-8
24"x12"
M3-2(bl)
24"x12"

M1-1(84)
24"x24"
M6-1(bl)
21"x15"



52
M4-8a
24"x18"
M3-2(bl)
24"x12"
M1-1(84)
24"x24"



53
SG-10(o)
72"x48"

Exit 1A
To Franklin Rd
Closed Ahead
Use Curtis Rd

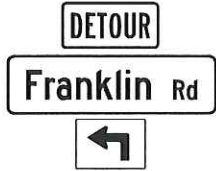
54
M4-8
24"x12"
D3-1(o)
42"x12"
M6-3(b/w)
21"x15"

Franklin Rd



55
M4-8
24"x12"
D3-1(o)
42"x12"
M5-1L(b/w)
21"x15"

Franklin Rd



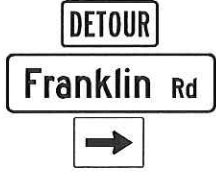
56
M4-8
24"x12"
D3-1(o)
42"x12"
M6-1(b/w)
21"x15"

Franklin Rd



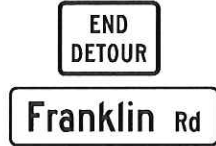
57
M4-8
24"x12"
D3-1(o)
42"x12"
M6-1(b/w)
21"x15"

Franklin Rd



58
M4-8a
24"x12"
D3-1(o)
42"x12"

Franklin Rd



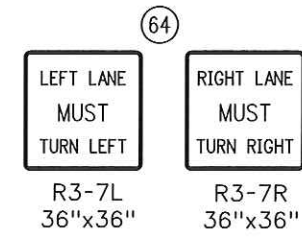
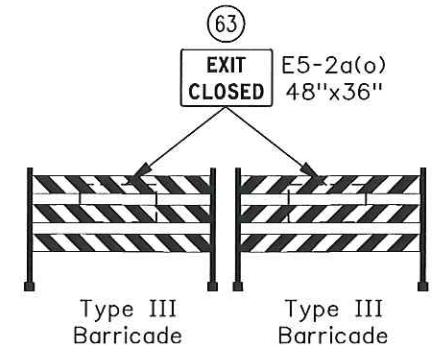
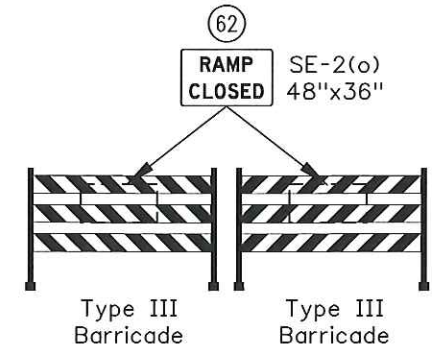
59
M4-8
24"x12"
M3-4(bl)
24"x12"
M1-1(84)
24"x24"
M5-1R(bl)
21"x15"



60
M4-8
24"x12"
M3-4(bl)
24"x12"
M1-1(84)
24"x24"
M6-1(bl)
21"x15"



61
M4-8
24"x12"
M3-2(bl)
24"x12"
M1-1(84)
24"x24"
M6-3(bl)
21"x15"



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	KCC
DESIGN CHECKED	PSA
DETAILED	KMR/WNW
DRAWING CHECKED	PSA

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 19289_detr_008.sht
DRAWING DATE: March 2017

IDAHO
TRANSPORTATION
DEPARTMENT



Parametrix

PROJECT NO.
A019(289)

DETOUR PLANS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE SIGN ASSEMBLIES

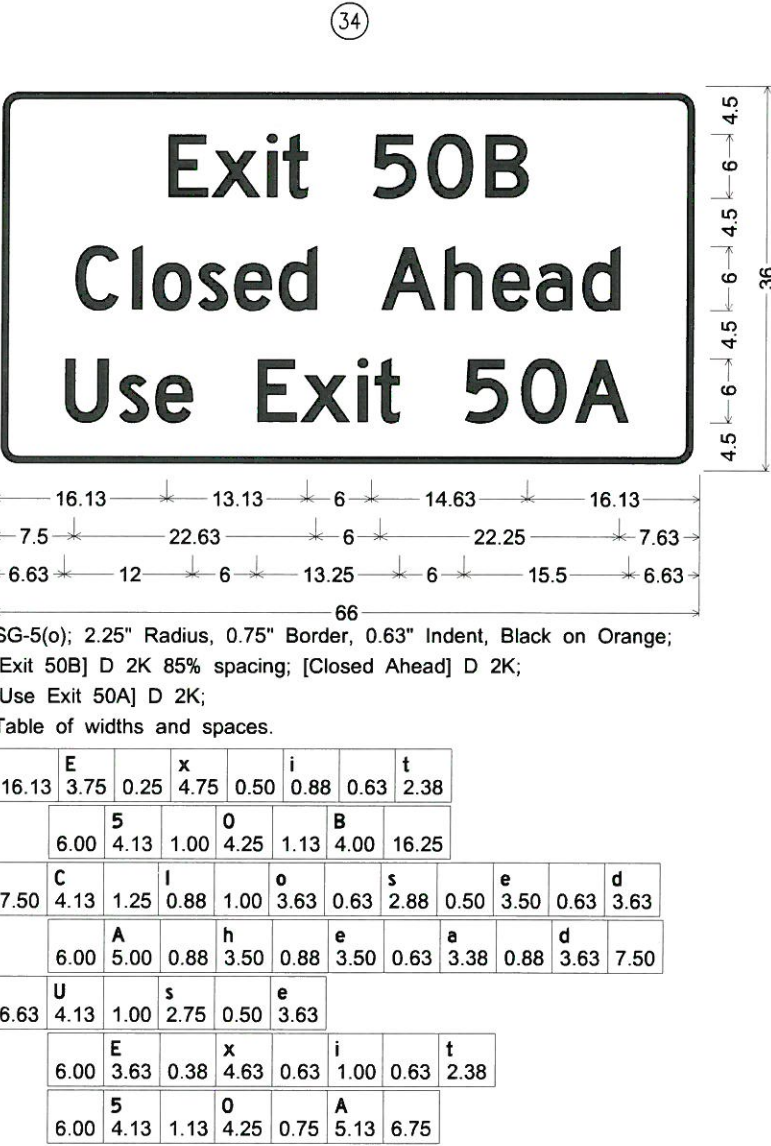
English
COUNTY Ada
KEY NUMBER 19289
SHEET 40 OF 47





SG-1(o)_138x96; 9.00" Radius, 1.50" Border, Black on Orange;
[EAST] E Mod 2K; [CITY CENTER] E Mod 2K; [KEEP LEFT] E Mod 2K;
Table of widths and spaces.

16.75	<div>184</div> 45.00	15.00	E	8.88	1.25	A	12.13	1.88	S	9.75	1.75	T	8.88	16.75																
9.63	C	9.75	2.63	I	2.38	2.25	T	8.88	0.88	Y	12.13	12.00	C	9.75	2.63	E	8.88	2.50	N	9.75	2.13	T	8.88	2.13	E	8.88	2.50	R	9.75	9.75
20.25	K	9.75	2.00	E	8.88	2.50	E	8.88	2.50	P	9.75	12.00	L	8.88	1.88	E	8.88	2.50	F	8.88	1.38	T	8.88	20.25						



SG-5(o); 2.25" Radius, 0.75" Border, 0.63" Indent, Black on Orange;
[Exit 50B] D 2K 85% spacing; [Closed Ahead] D 2K;
[Use Exit 50A] D 2K;
Table of widths and spaces.

16.13	E	3.75	0.25	x	4.75	0.50	i	0.88	0.63	t	2.38					
	6.00	5	4.13	1.00	0	4.25	1.13	B	4.00	16.25						
7.50	C	4.13	1.25	0.88	1.00	3.63	0.63	s	2.88	0.50	e	3.50	0.63	d	3.63	
	6.00	A	5.00	0.88	h	3.50	0.88	e	3.50	0.63	a	3.38	0.88	d	3.63	7.50
6.63	U	4.13	1.00	s	2.75	0.50	e	3.63								
	6.00	E	3.63	0.38	x	4.63	0.63	i	1.00	0.63	t	2.38				
	6.00	5	4.13	1.13	0	4.25	0.75	A	5.13	6.75						

REVISIONS				DESIGNED	DESIGN CHECKED	DETAILED	DRAWING CHECKED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME	DRAWING DATE:
NO.	DATE	BY	DESCRIPTION							
				KCC/WNW	PSA	WNW/KMR	WNW		19289_tcdt_001.sht	March 2017

DESIGNED	KCC/WNW
DESIGN CHECKED	PSA
DETAILED	WNW/KMR
DRAWING CHECKED	WNW

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
19289_tcdt_001.sht
DRAWING DATE:
March 2017

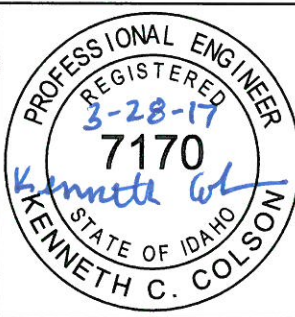
IDAHO
TRANSPORTATION
DEPARTMENT

Parametrix

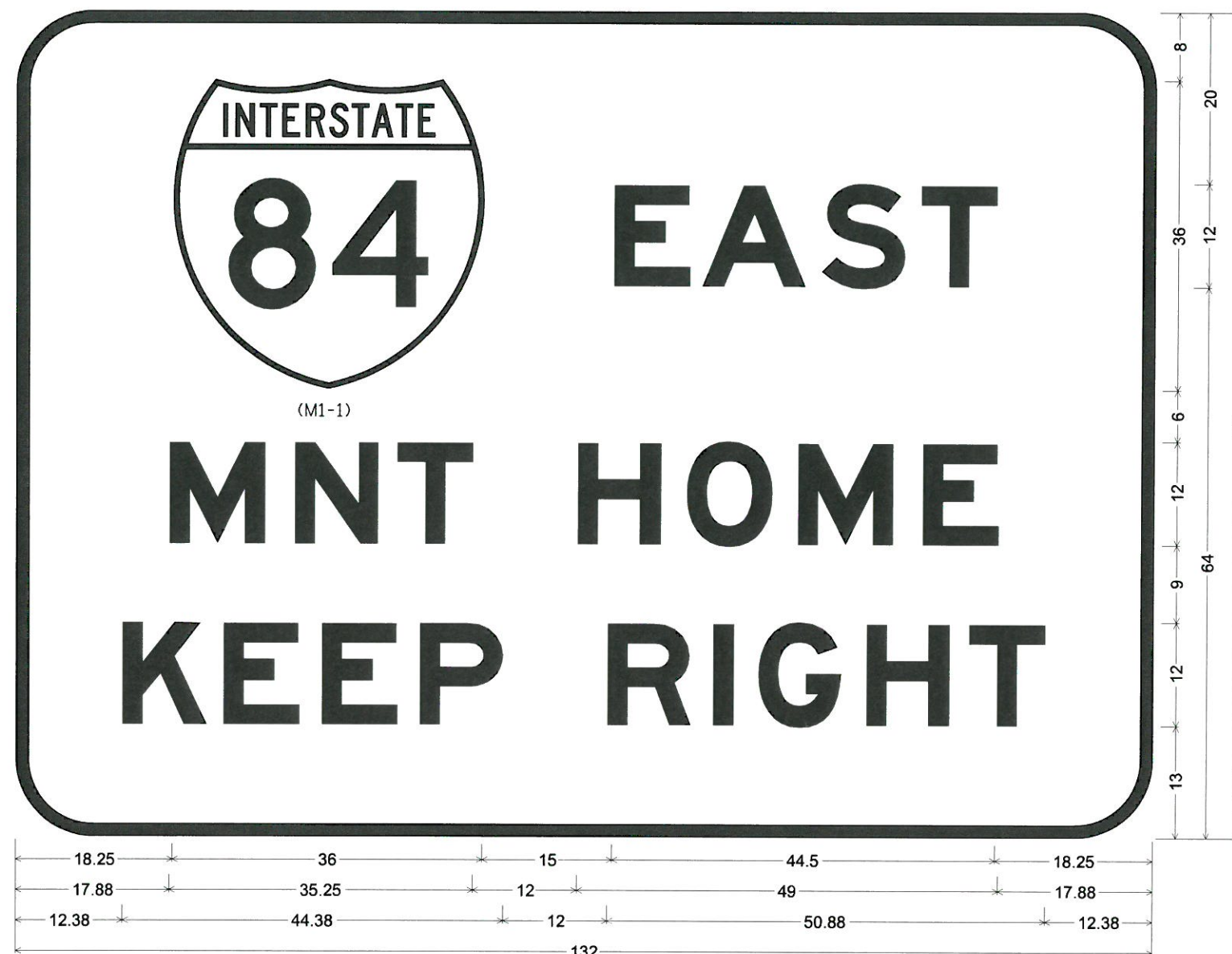
PROJECT NO.
A019(289)

SIGN DETAILS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE

English
COUNTY
Ada
KEY NUMBER
19289
SHEET
41 OF 47



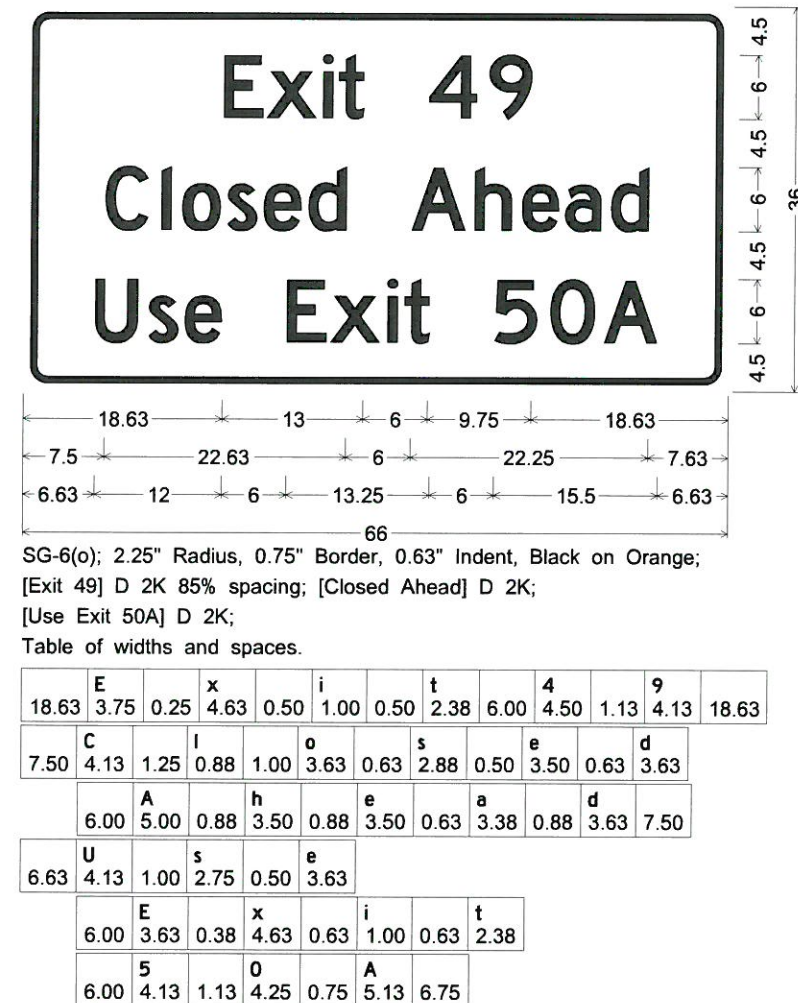
15



SG-2(o)_132x96; 9.00" Radius, 1.50" Border, Black on Orange;
[EAST] E Mod 2K; [MNT HOME] E Mod 2K; [KEEP RIGHT] E Mod 2K;
Table of widths and spaces.

18.25	⁸⁴ 36.00	15.00	E	8.88	1.25	A	12.13	1.88	S	9.75	1.75	T	8.88	18.25													
17.88	M	11.13	3.38	N	9.75	2.13	T	8.88	12.00	H	9.75	2.88	O	10.00	3.00	M	11.13	3.38	E	8.88	17.88						
12.38	K	9.88	1.88	E	8.88	2.50	E	9.00	2.50	P	9.63	12.00	R	9.75	2.50	I	2.50	2.88	G	9.63	2.88	H	9.75	2.13	T	8.88	12.50

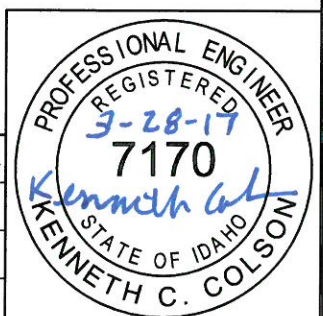
(35)



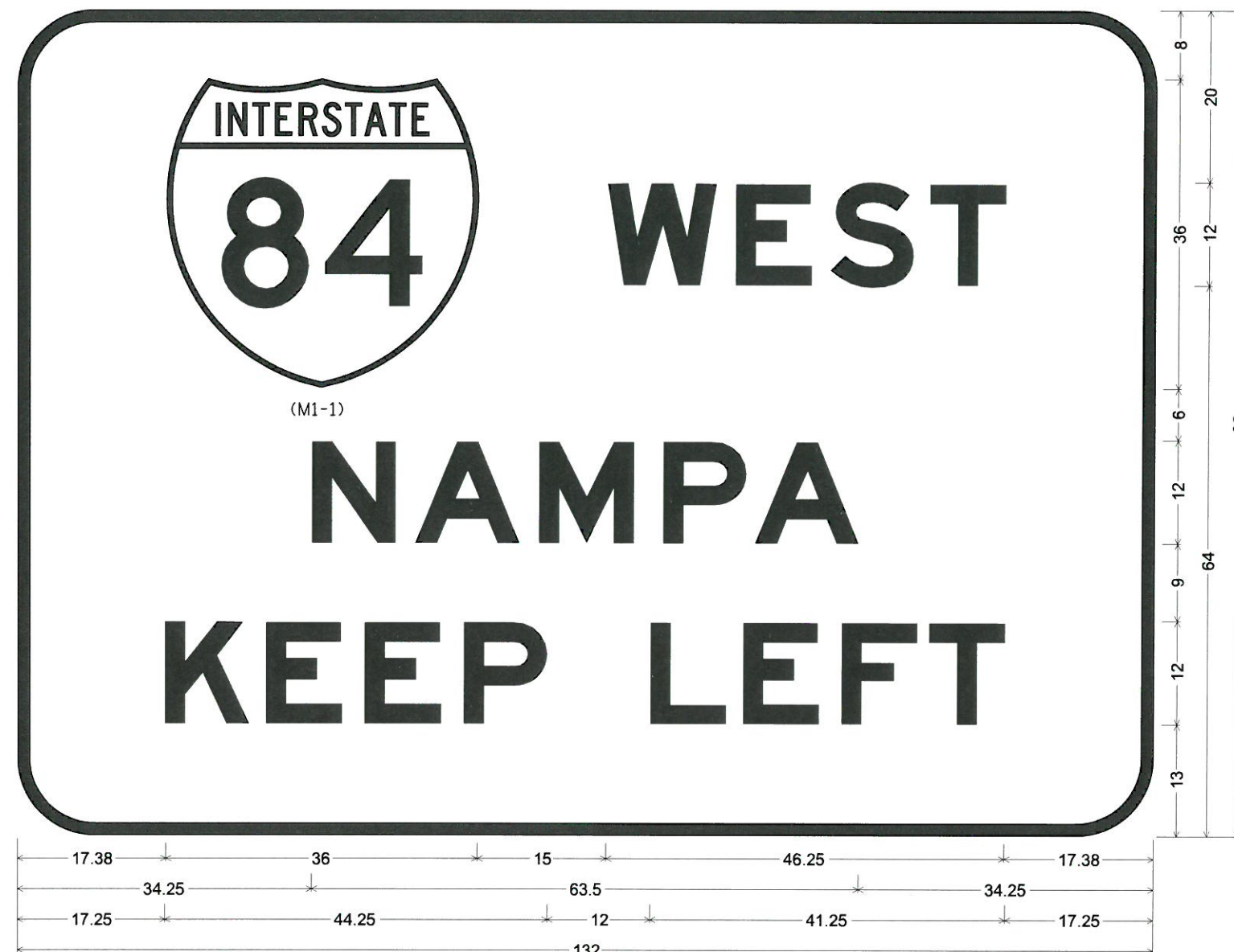
SG-6(o); 2.25" Radius, 0.75" Border, 0.63" Indent, Black on Orange;
[Exit 49] D 2K 85% spacing; [Closed Ahead] D 2K;
[Use Exit 50A] D 2K;
Table of widths and spaces.

18.63	E	3.75	0.25	x	4.63	0.50	i	1.00	0.50	t	2.38	6.00	4	4.50	1.13	9	4.13	18.63
7.50	C	4.13	1.25	l	0.88	1.00	o	3.63	0.63	s	2.88	0.50	e	3.50	0.63	d	3.63	
		6.00	A	5.00	0.88	h	3.50	0.88	e	3.50	0.63	a	3.38	0.88	d	3.63	7.50	
6.63	U	4.13	1.00	s	2.75	0.50	e	3.63										
		6.00	E	3.63	0.38	x	4.63	0.63	i	1.00	0.63	t	2.38					
			5	4.13	1.13	0	4.25	0.75	A	5.13	6.75							

REVISIONS				DESIGNED	KCC/WNW	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT Parametrix		PROJECT NO. A019(289)	SIGN DETAILS I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE	English		
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	PSA						COUNTY	Ada	
				DETAILED	WNW/KMR						CADD FILE NAME	KEY NUMBER	19289
				DRAWING CHECKED	WNW						DRAWING DATE:	SHEET	42 OF 47
						19289_tcdt_002.sht							
						March 2017							

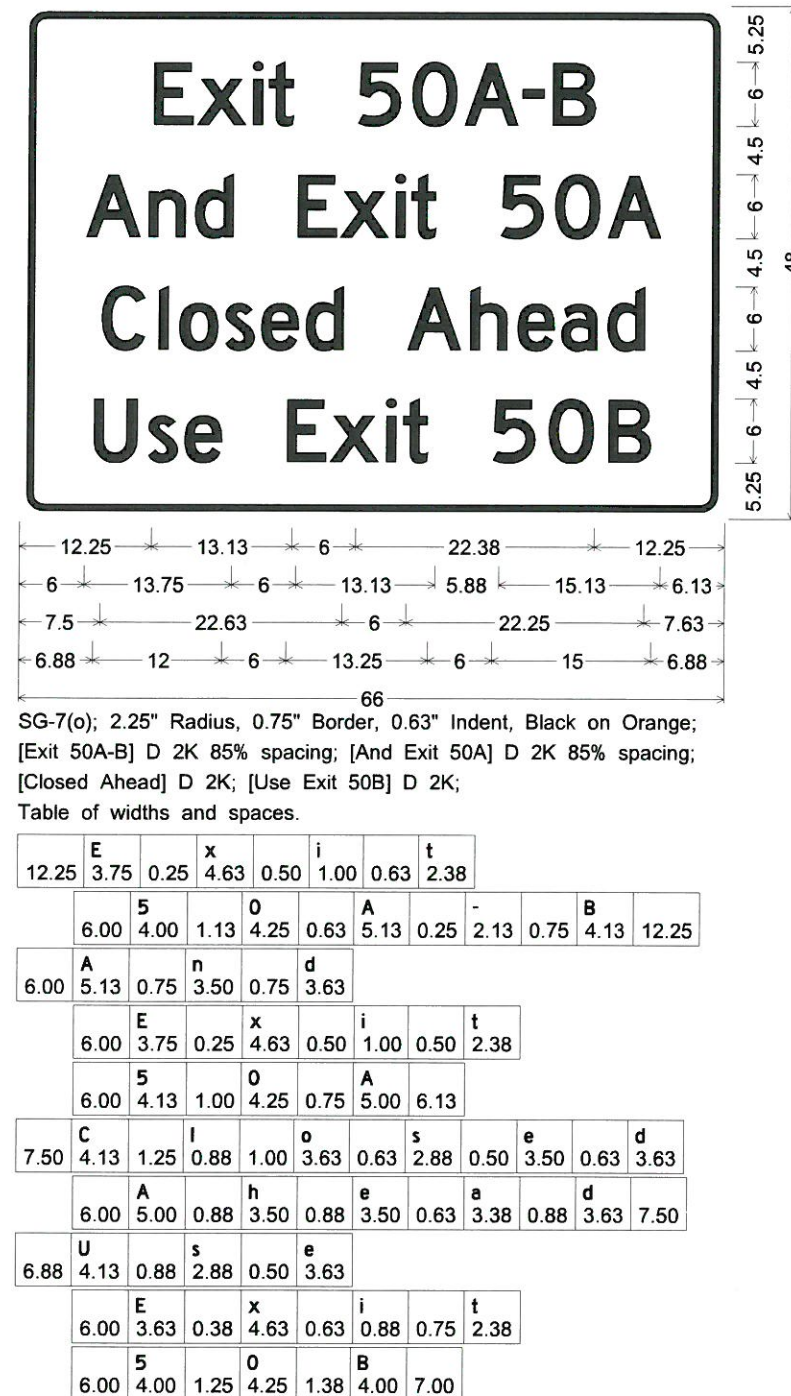


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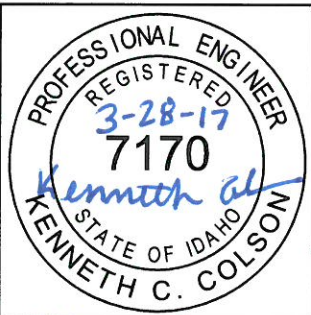


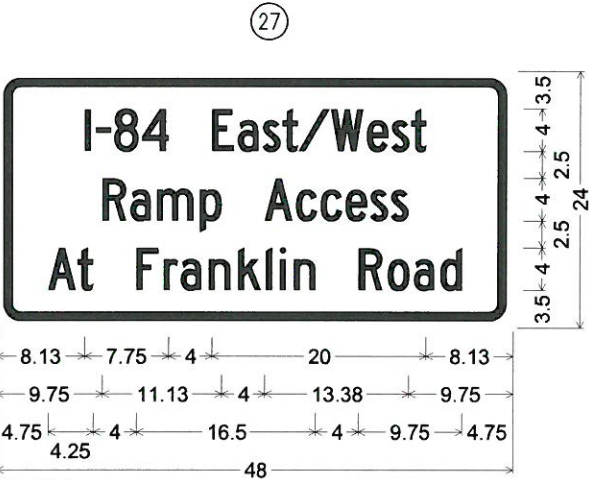
SG-3(o)_132x96; 9.00" Radius, 1.50" Border, Black on Orange;
[WEST] E Mod 2K; [NAMPA] E Mod 2K; [KEEP LEFT] E Mod 2K;
Table of widths and spaces.

17.38	36.00	15.00	W	12.63	2.25	E	8.88	2.13	S	9.75	1.75	T	8.88	17.38										
34.25	N	9.75	2.13	A	12.13	2.13	M	11.25	3.25	P	9.75	1.00	A	12.13	34.25									
17.25	K	9.75	2.00	E	8.88	2.50	E	8.88	2.50	P	9.75	12.00	L	8.88	1.88	E	8.88	2.50	F	8.88	1.38	T	8.88	17.25



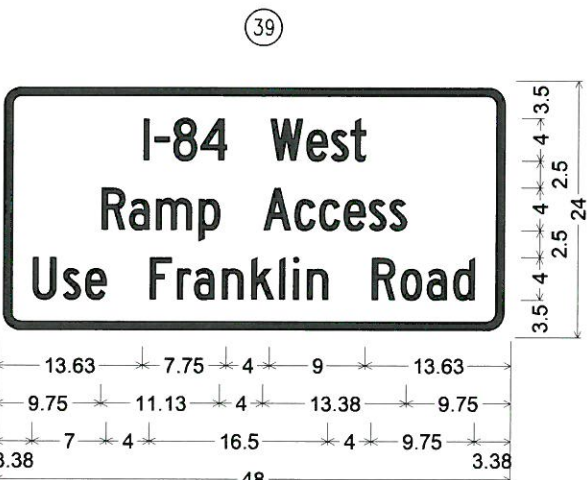
REVISIONS				DESIGNED
NO.	DATE	BY	DESCRIPTION	KCC/WWN
				DESIGN CHECKED
				PSA
				DETAILED
				WNW/KMR
				DRAWING CHECKED
				WNW





SG-4(o);
2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;
[I-84 East/West] C 2K 85% spacing;
[Ramp Access] C 2K 85% spacing;
[At Franklin Road] C 2K;
Table of widths and spaces.

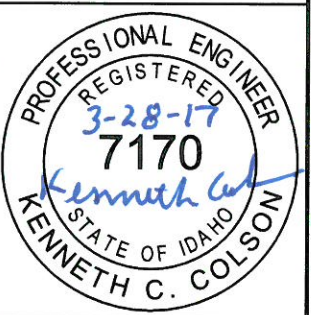
8.13	I	0.63	0.38	-	1.50	0.25	8	2.25	0.25	4	2.50																	
		4.00	E	2.13	0.25	a	2.00	0.38	s	1.63	0.13	t	1.50	0.00	/	2.88	0.13	W	3.00	0.38	e	2.00	0.25	s	1.75	0.13	t	1.38
9.75	R	2.25	0.38	a	1.88	0.63	m	3.38	0.50	p	2.13																	
		3.88	A	2.63	0.25	c	2.00	0.38	c	2.00	0.25	e	2.00	0.38	s	1.63	0.25	s	1.63	9.88								
4.75	A	2.63	0.13	t	1.38																							
		4.00	F	2.13	0.50	r	1.25	0.25	a	1.88	0.75	n	2.00	0.75	k	2.13	0.38	i	0.63	0.63	i	0.63	0.75	n	2.00			
		4.00	R	2.25	0.50	o	2.00	0.38	a	2.00	0.50	d	2.00	4.88														

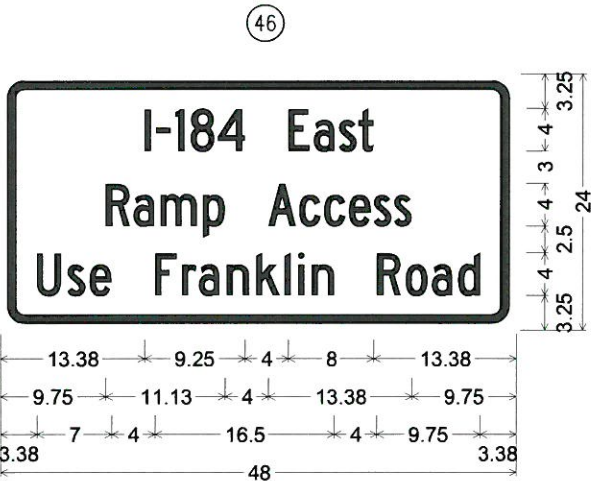


SG-8(o);
2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;
[I-84 West] C 2K 85% spacing;
[Ramp Access] C 2K 85% spacing;
[Use Franklin Road] C 2K;
Table of widths and spaces.

13.63	I	0.63	0.38	-	1.50	0.25	8	2.25	0.25	4	2.50												
	4.00	W	3.13	0.25	e	2.00	0.38	s	1.63	0.13	t	1.38	13.75										
9.75	R	2.25	0.38	a	1.88	0.63	m	3.38	0.50	p	2.13												
	3.88	A	2.63	0.25	c	2.00	0.38	c	2.00	0.25	e	2.00	0.38	s	1.63	0.25	s	1.63	9.88				
3.38	U	2.25	0.63	s	1.63	0.38	e	2.00															
	4.00	F	2.13	0.50	r	1.25	0.25	a	1.88	0.75	n	2.00	0.75	k	2.13	0.38	i	0.63	0.63	0.63	0.75	n	2.00
	4.00	R	2.25	0.50	o	2.00	0.38	a	2.00	0.50	d	2.00	3.50										

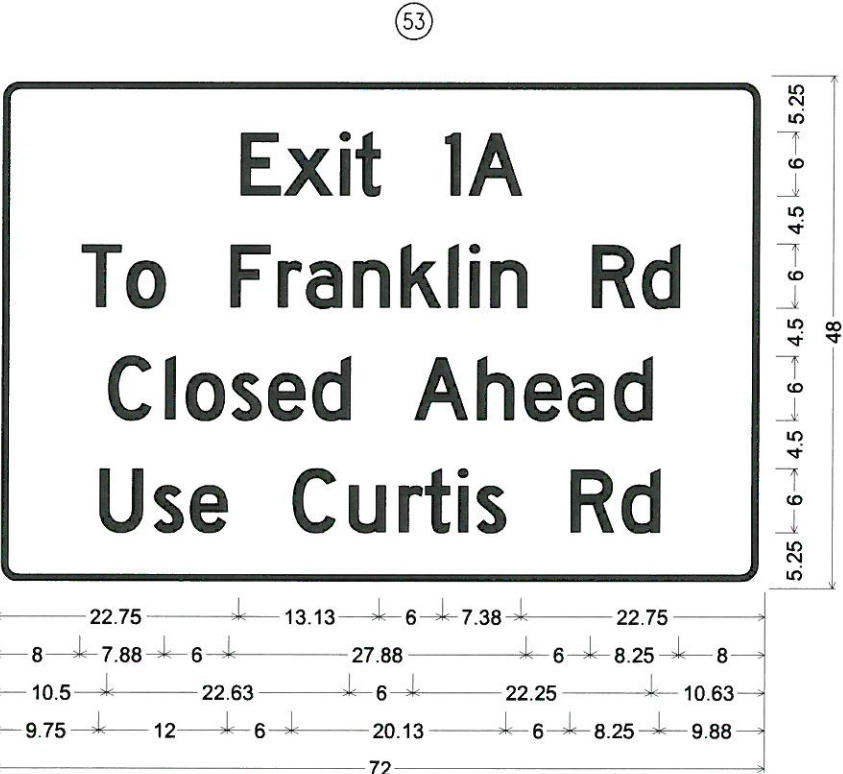
REVISIONS				DESIGNED	KCC/WNW	DESIGN CHECKED	PSA	DETAILED	WNW/KMR	DRAWING CHECKED	WNW	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME 19289_tcdt_004.sht	DRAWING DATE: March 2017
NO.	DATE	BY	DESCRIPTION											





SG-9(o);
2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;
[I-184 East] C 2K 85% spacing;
[Ramp Access] C 2K 85% spacing;
[Use Franklin Road] C 2K;
Table of widths and spaces.

13.38	I	0.50	0.50	-	1.38	0.50	I	0.75	0.63	8	2.25	0.25	4	2.50
4.00	E	2.00	0.38	a	2.00	0.38	s	1.63	0.13	t	1.50	13.38		
9.75	R	2.25	0.38	a	1.88	0.63	m	3.38	0.50	p	2.13			
3.88	A	2.63	0.25	c	2.00	0.38	c	2.00	0.25	e	2.00	0.38	s	1.63
3.38	U	2.25	0.63	s	1.63	0.38	e	2.00						
4.00	F	2.13	0.50	r	1.25	0.25	a	1.88	0.75	n	2.00	0.75	k	2.13
4.00	R	2.25	0.50	o	2.00	0.38	a	2.00	0.50	d	2.00	3.50		



SG-10(o); 2.25" Radius, 0.75" Border, 0.63" Indent, Black on Orange;
[Exit 1A] D 2K 85% spacing; [To Franklin Rd] D 2K 85% spacing;
[Closed Ahead] D 2K; [Use Curtis Rd] D 2K;
Table of widths and spaces.

22.75	E	3.75	0.25	x	4.63	0.50	i	1.00	0.63	t	2.38	6.00	1.50	0.75	A	5.13	22.75
8.00	T	3.75	0.50	o	3.63												
6.00	F	3.75	0.63	r	2.25	0.38	a	3.38	1.00	n	3.50	1.00	k	3.88	0.63	l	0.88
6.00	R	4.00	0.63	d	3.50	8.13											
10.50	C	4.13	1.25	l	0.88	1.00	o	3.63	0.63	s	2.88	0.50	e	3.50	0.63	d	3.63
6.00	A	5.00	0.88	h	3.50	0.88	e	3.50	0.63	a	3.38	0.88	d	3.63	10.50		
9.75	U	4.13	1.00	s	2.75	0.63	e	3.50									
6.00	C	4.13	1.13	u	3.50	1.25	r	2.25	0.13	t	2.38	0.75	i	0.88	0.88	s	2.75
6.00	R	4.13	0.63	d	3.63	9.88											

REVISIONS				DESIGNED	DESIGN CHECKED	DETAILED	DRAWING CHECKED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME	DRAWING DATE
NO.	DATE	BY	DESCRIPTION							
				KCC/WNW	PSA	WNW/KMR	WNW		19289-tcdt_005.sht	March 2017

DESIGNED	KCC/WNW
DESIGN CHECKED	PSA
DETAILED	WNW/KMR
DRAWING CHECKED	WNW

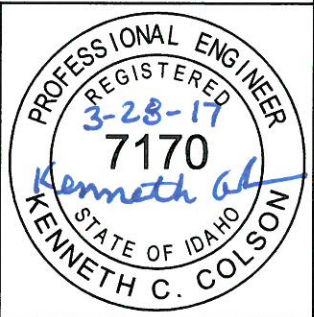
IDAHO
TRANSPORTATION
DEPARTMENT

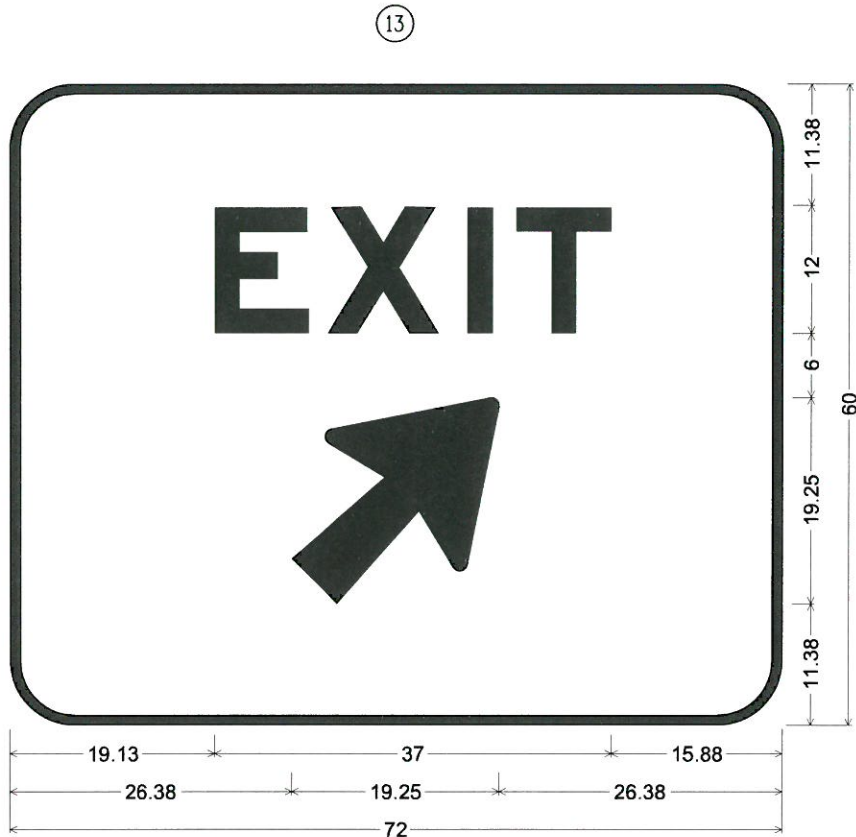
Parametrix

PROJECT NO.
A019(289)

SIGN DETAILS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE

English
COUNTY Ada
KEY NUMBER 19289
SHEET 45 OF 47





SE-1(o)_72x60_Exit Gore; 6.00" Radius, 1.00" Border, Black on Orange;
[EXIT] E Mod 2K; Arrow Custom - 24.00" 45°;
Table of widths and spaces.

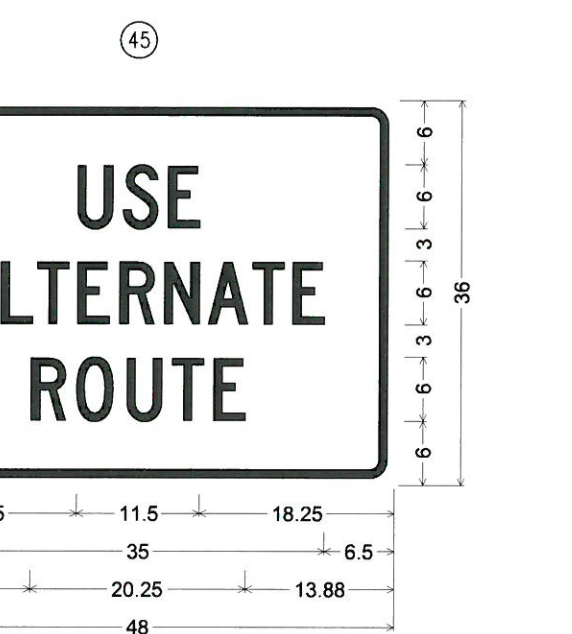
19.13	E	8.88	1.63	X	10.50	2.50	I	2.38	2.25	T	8.88	15.88
26.38												

(42) & (43)



1.50" Radius, 0.50" Border, Black on Orange;
[Overland] C 2K; [Rd] C 2K;
Table of widths and spaces.

5.75	O	3.63	0.63	V	3.50	0.50	E	3.00	0.88	R	1.88	0.75	I	0.75	0.88	A	2.88	1.00	N	3.00	0.88	D	3.00



SG-11(o);
2.25" Radius, 0.88" Border, 0.63" Indent, Black on Orange;
[USE] C 2K 85% spacing;
[ALTERNATE] C 2K 85% spacing;
[ROUTE] C 2K;
Table of widths and spaces.

18.25	U	3.38	0.88	S	3.38	0.75	E	3.13	18.25																		
6.50	A	3.88	0.75	L	3.00	0.38	T	3.00	0.75	E	3.00	0.88	R	3.38	0.88	N	3.38	0.75	A	3.75	0.38	T	3.00	0.75	E	3.00	6.63
13.88	R	3.38	0.88	O	3.63	1.13	U	3.38	0.88	T	3.00	0.88	E	3.00	14.00												

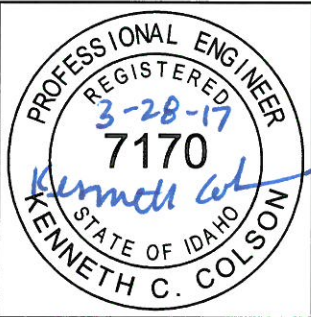
(54) To (58)



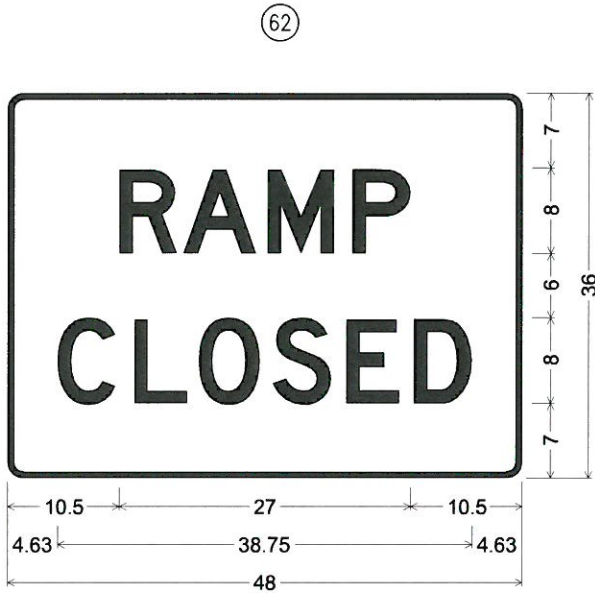
1.50" Radius, 0.50" Border, Black on Orange;
[Franklin] C 2K; [Rd] C 2K;
Table of widths and spaces.

3.88	F	3.13	0.75	r	1.88	0.38	a	2.88	1.00	n	3.13	1.00	k	3.25	0.63	i	0.88	1.00	i	0.88	1.13	n	3.00

REVISIONS				DESIGNED	KCC/WWN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO.	SIGN DETAILS	English
NO.	DATE	BY	DESCRIPTION							
				DESIGN CHECKED	PSA					
				DETAILED	WWN/KMR	CADD FILE NAME 19289-tcdt_006.sht				
				DRAWING CHECKED	WWN	DRAWING DATE: March 2017				

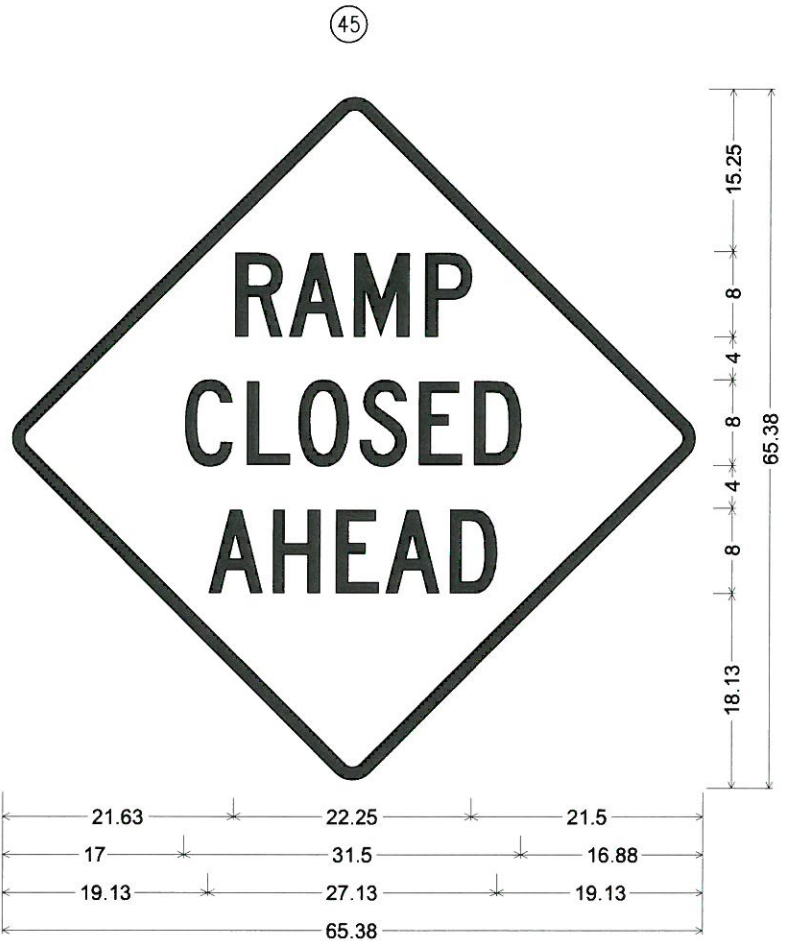


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SE-2(o);
1.50" Radius, 0.63" Border, Black on Orange;
[RAMP] D 2K 85% spacing; [CLOSED] D 2K;
Table of widths and spaces.

10.50	R	5.38	0.50	A	6.88	1.00	M	6.25	1.63	P	5.38	10.50						
4.63	C	5.50	1.75	L	5.00	1.00	O	5.63	1.25	S	5.50	1.25	E	5.00	1.38	D	5.38	4.75



SW-1(o);
48.00" across sides 3.00" Radius, 1.25" Border, 0.75" Indent, Black on Orange;
[RAMP] C 2K 80% spacing; [CLOSED] C 2K 80% spacing;
[AHEAD] C 2K 80% spacing;
Table of widths and spaces.

21.63	R	0.63	A	5.13	0.88	M	5.25	1.50	P	4.38	21.63							
17.00	C	4.38	1.38	L	4.00	0.75	O	4.75	1.00	S	4.50	1.00	E	4.13	1.13	D	4.38	17.00
19.13	A	5.13	0.88	H	4.50	1.38	E	4.13	0.63	A	5.13	0.88	D	4.38	19.25			

REVISIONS				DESIGNED	DESIGN CHECKED	DETAILED	DRAWING CHECKED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	KCC/WWN	PSA	WNW/KMR	WNW	CADD FILE NAME 19289_tcdt_007.sht
								DRAWING DATE: March 2017

DESIGNED	KCC/WWN
DESIGN CHECKED	PSA
DETAILED	WNW/KMR
DRAWING CHECKED	WNW

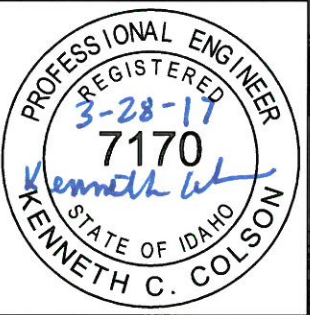
IDAHO
TRANSPORTATION
DEPARTMENT

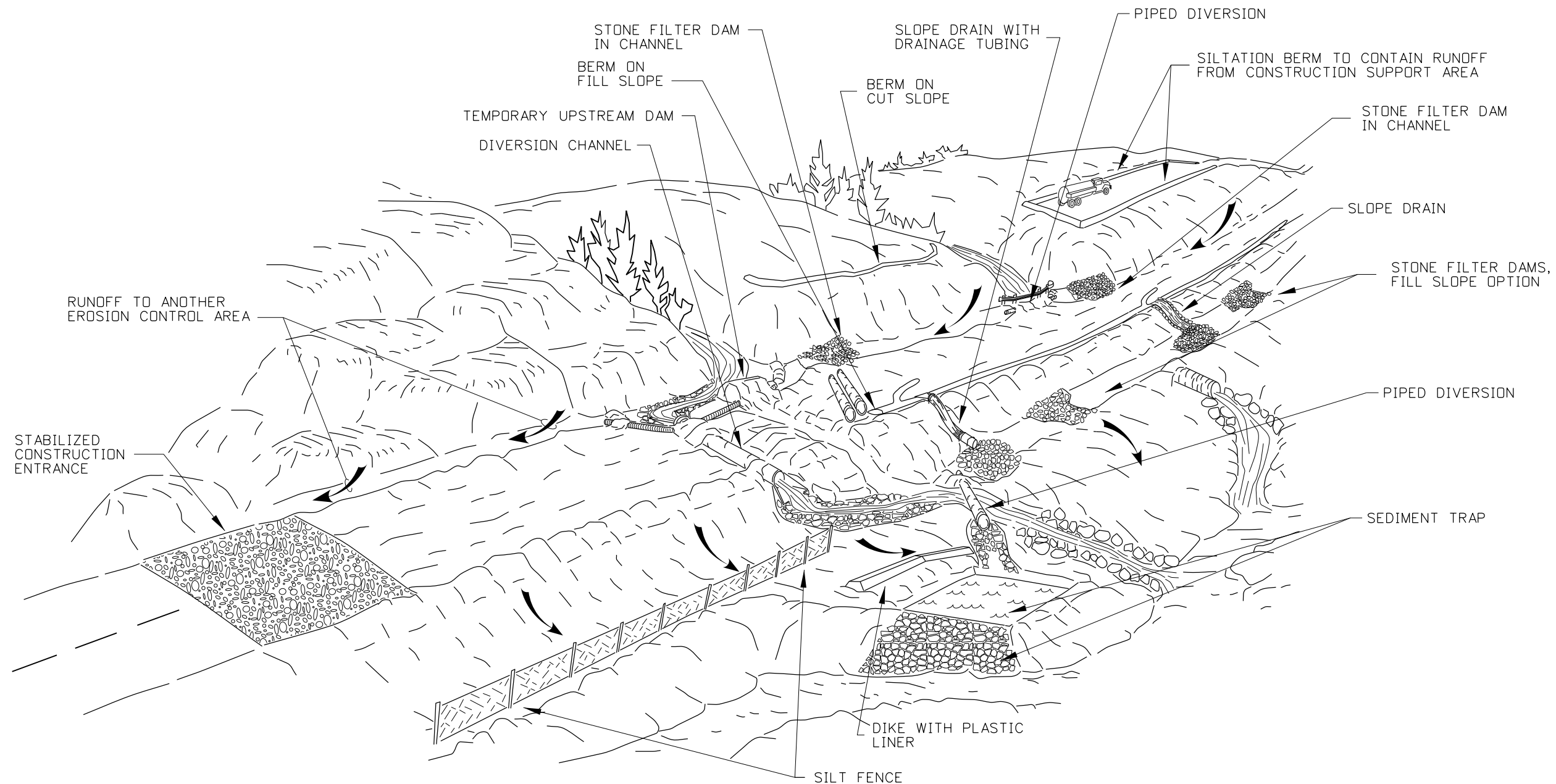
Parametrix

PROJECT NO.
A019(289)

SIGN DETAILS
I-84, FIVE MILE RD TO ORCHARD RD & RAMPS, BOISE

English
COUNTY Ada
KEY NUMBER 19289
SHEET 47 OF 47





GENERAL NOTES FOR TEMPORARY EROSION AND SEDIMENT CONTROL

1. USE THE TEMPORARY EROSION AND SEDIMENT CONTROL STANDARD DRAWINGS IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACTICES MANUAL.
2. THE PLACEMENT OF TEMPORARY EROSION CONTROL MEASURES IS SITE SPECIFIC. OBTAIN THE ENGINEER'S APPROVAL OF THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO INSTALLATION.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	9-93	MSM	6	12-16	RDL			
2	6-96	MSM						
3	10-10	KEH						
4	10-11	KEH						
5	12-12	RDL						

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
212-1_1216.dgn

DRAWING DATE:
APRIL, 1993

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

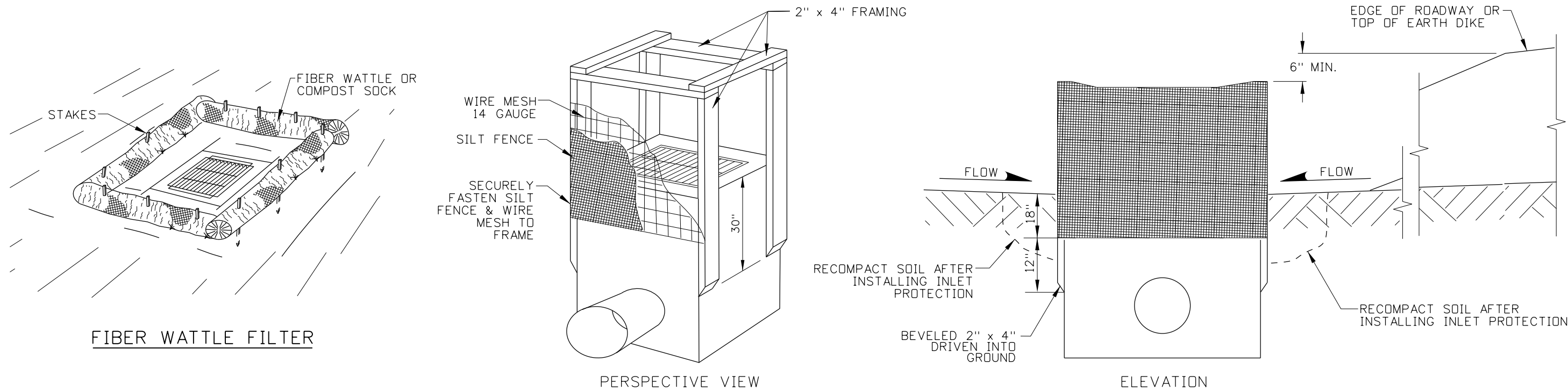
ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
TEMPORARY EROSION AND
SEDIMENT CONTROL
EXAMPLE APPLICATIONS

English
STANDARD DRAWING NO.
212-1
SHEET 1 OF 1

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

ORIGINAL SIGNED BY:
RYAN D. LANCASTER
DATE ORIGINAL SIGNED:
DECEMBER 27, 2016

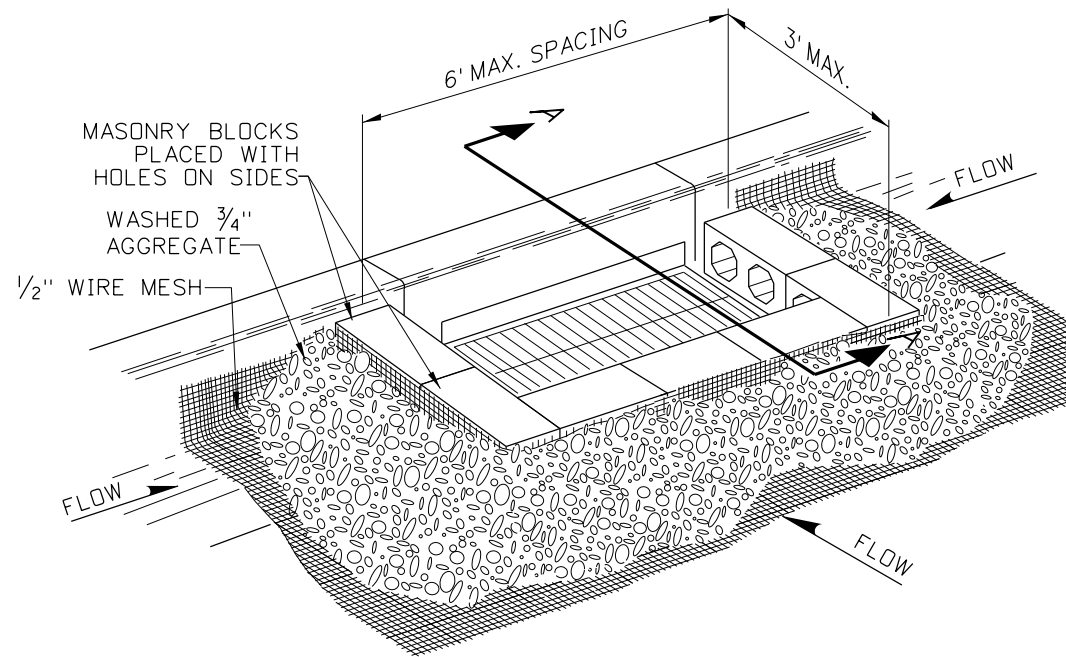


FIBER WATTLE FILTER

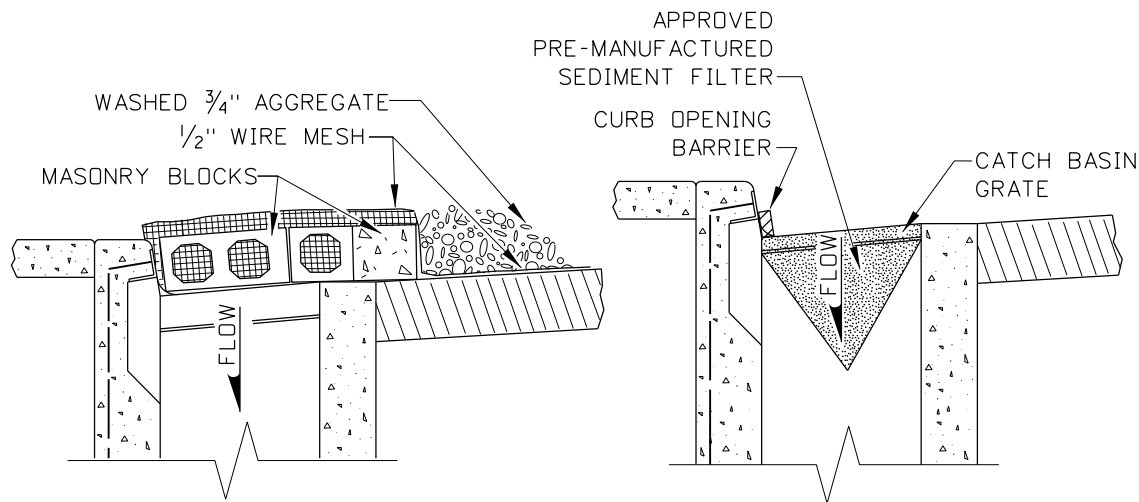
PERSPECTIVE VIEW

ELEVATION

FRAMED WIRE/FABRIC FILTER



GRAVEL AND WIRE MESH FILTER
PERIMETER FILTER



SECTION A-A

PRE-MANUFACTURED SEDIMENT
FILTER FOR INLET GRATE

NOTES

- SEE THE GENERAL NOTES FOR TEMPORARY EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- REMOVE TRASH, DEBRIS, DUFF, AND MATERIALS THAT MAY INTERFERE WITH THE INLET OR CATCH BASIN PROTECTION FUNCTION PRIOR TO PLACEMENT AND THEREAFTER ON A DAILY BASIS OR AS NEEDED.
- FIELD ADJUSTMENTS MAY BE NECESSARY TO ENSURE EFFECTIVENESS.
- FRAMED WIRE/FABRIC FILTER AND FIBER WATTLE FILTERS ARE INTENDED TO BE USED ON ANY STRUCTURE NOT PRESENTLY SURROUNDED BY PAVEMENT.
- GRAVEL AND WIRE MESH FILTER AND PRE-MANUFACTURED SEDIMENT FILTER INSTALLATIONS ARE INTENDED TO BE USED ON STRUCTURES SURROUNDED BY PAVEMENT WITH OR WITHOUT CURBS.
- ENSURE THAT WATER DISCHARGING FROM THE INLET MEETS APPLICABLE WATER QUALITY STANDARDS.
- NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	10-10	KEH						
2	10-11	KEH						
3	01-13	RDL						

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
212-7_0213.dgn

DRAWING DATE:
JUNE, 1996

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

**TEMPORARY EROSION AND
SEDIMENT CONTROL
INLET PROTECTION**

REQUIRES STD. DWG. 212-1

English

STANDARD DRAWING NO.
212-7

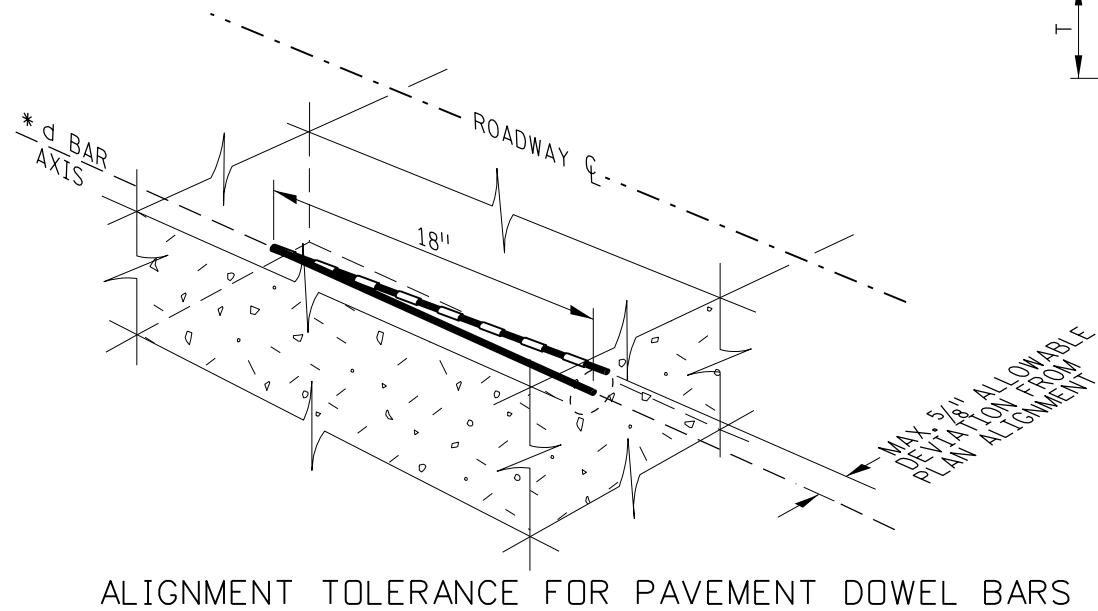
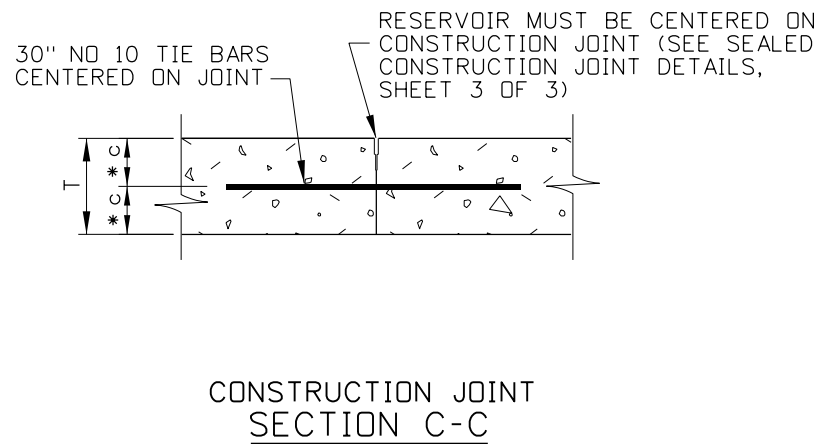
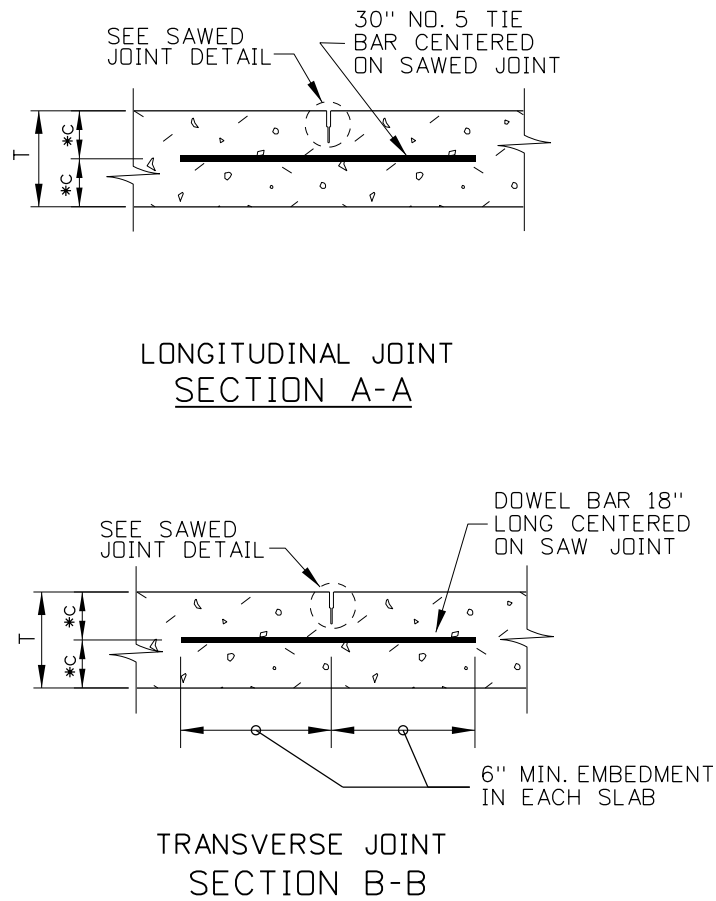
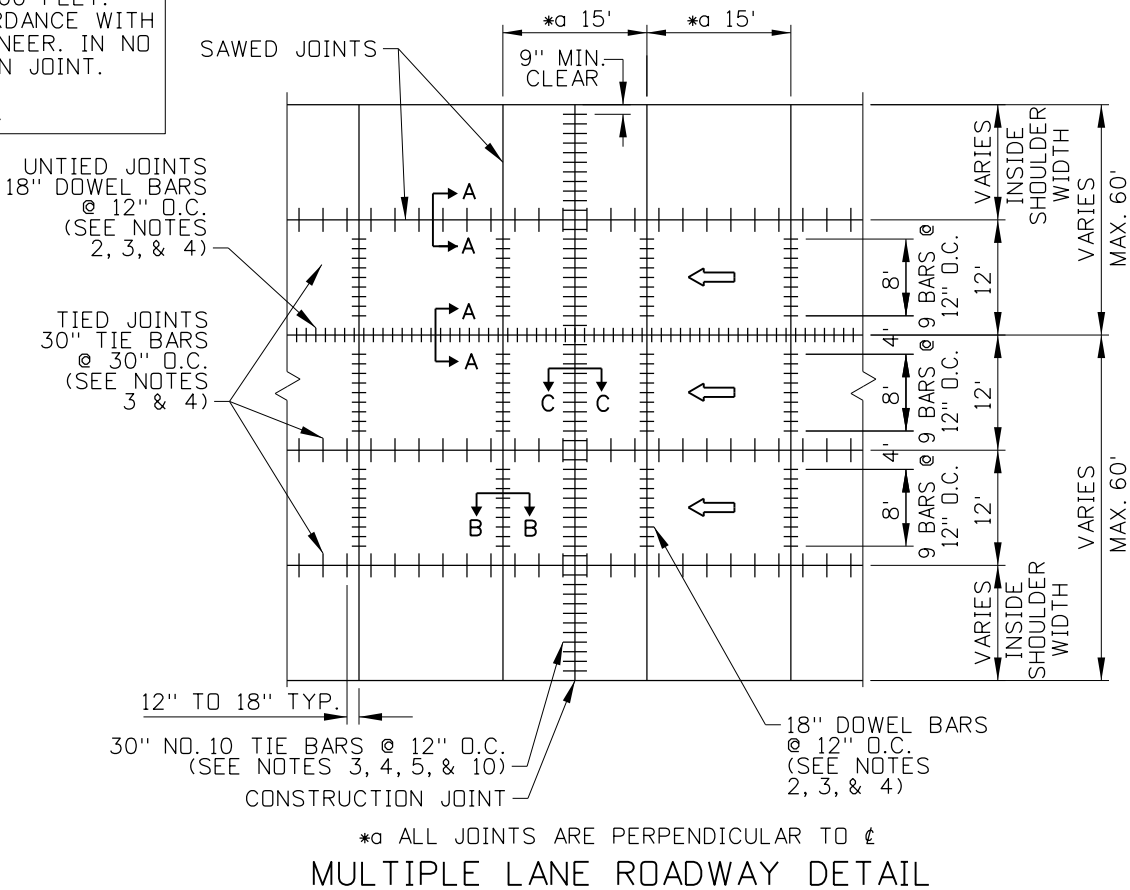
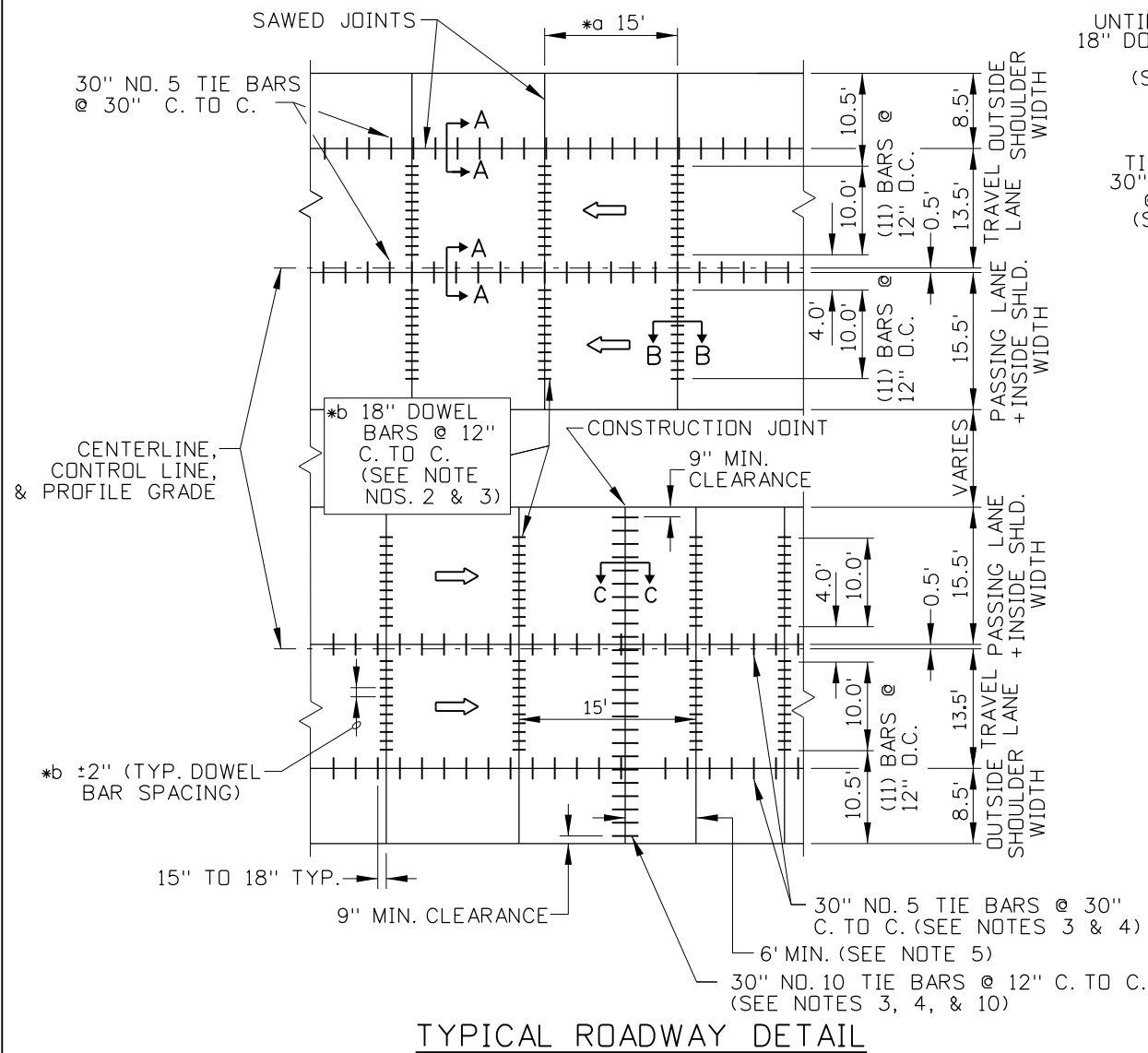
SHEET 1 OF 1

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

ORIGINAL SIGNED BY:
J. CALEB LAKEY
DATE ORIGINAL SIGNED:
FEBRUARY 1, 2013

THE MAXIMUM TIED TRANSVERSE WIDTH SHALL BE 60 FEET.
LONGITUDINAL JOINTS THAT ARE UN-TIED IN ACCORDANCE WITH
THE FOREGOING SHALL BE APPROVED BY THE ENGINEER. IN NO
CASE SHALL AN UN-TIED JOINT BE A CONSTRUCTION JOINT.

THE MAXIMUM TRANSVERSE SLAB LENGTH IS 15 FT.



SUB-NOTES							
*a ALL JOINTS ARE PERPENDICULAR TO ℓ							
*b ALL DOWEL BAR SPACING TOLERANCE IS TO 2" (ALSO SEE "ALIGNMENT TOLERANCE FOR PAVEMENT DOWEL BARS" DETAIL).							
*c T/2 \pm 1"							
*d THE PLAN ALIGNMENT IS FOR THE BAR AXIS TO BE PARALLEL TO CENTERLINE AND PARALLEL TO PAVEMENT SURFACE.							

BAR DIAMETER TABLE DOWEL BAR IN TRANSVERSE JOINTS (UNLESS OTHERWISE NOTED ON PROJECT)	
T= PAVEMENT THICKNESS	BAR DIAMETER
T < 11"	1 1/4"
11" \leq T \leq 13"	1 1/2"
T > 13"	1 3/4"

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	04-84	GB	6	01-91	GB	11	09-08
2	01-85	GB	7	12-92	AS	12	10-10
3	08-85	GB	8	04-93	MSM	13	08-11
4	08-86	GB	9	01-97	AS	14	04-13
5	11-89	GB	10	11-01	MSM		

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
409-1_0513.dgn

DRAWING DATE:
APRIL, 1984

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

PORTLAND CEMENT
CONCRETE PAVEMENT

REQUIRES SHEETS 2 OF 3 & 3 OF 3

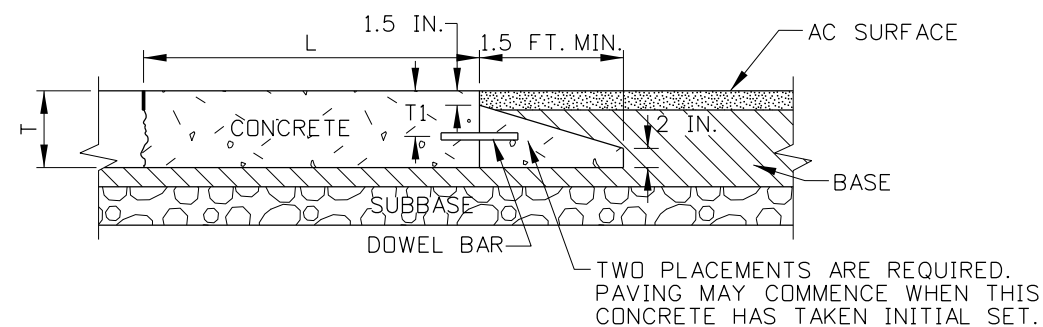
English

STANDARD DRAWING NO.
409-1

SHEET 1 OF 3

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

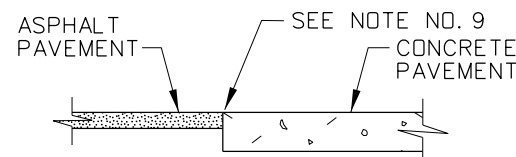
ORIGINAL SIGNED BY:
MICHAEL J. SANTI
DATE ORIGINAL SIGNED:
MAY 9, 2013



- NOTES:
1. T = THICKNESS OF CONCRETE PAVEMENT (I.E. DEPTH)
 2. L = PANEL LENGTH(I.E. JOINT SPACING)
 3. $T1 = (T + 1.5") / 2$
 4. FOR RECOMMENDED DOWEL SIZES, SEE JOINT TYPES SHEET.

ELEVATION - IMPACT SLAB, HIGHWAYS/STREETS/ROADS

FOR TRANSVERSE JOINTS ABUTTING ASPHALT PAVEMENT IN RECONSTRUCTION OR NEW CONSTRUCTION PROJECTS WHERE $T > 7$ IN.

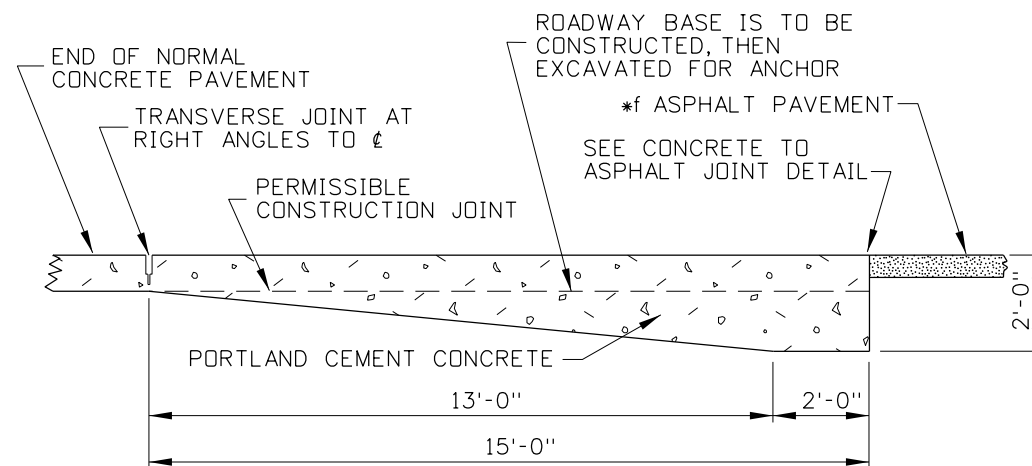


ASPHALT & CONCRETE PAVEMENT JOINT DETAIL

NOT FOR USE UNLESS SPECIFICALLY CALLED OUT IN PLANS.

NOTES

1. THE PAVEMENT EDGE IS TO BE PLACED APPROXIMATELY VERTICAL.
2. THE DOWEL BAR DIAMETERS SHALL BE DETERMINED BY THE BAR DIAMETER TABLE.
3. THE TIE BARS SHALL BE EPOXY COATED AND MEET THE REQUIREMENTS OF AASHTO M 284. THE DOWEL BARS SHALL BE COATED TO MEET THE REQUIREMENTS OF AASHTO M 254.
4. THE MAXIMUM TIED TRANSVERSE WIDTH SHALL BE 60 FEET. LONGITUDINAL JOINTS THAT ARE UN-TIED IN ACCORDANCE WITH THE FOREGOING SHALL BE APPROVED BY THE ENGINEER. IN NO CASE SHALL AN UN-TIED JOINT BE A CONSTRUCTION JOINT.
5. A CONSTRUCTION JOINT SHALL BE AT LEAST 6 FEET FROM A SAWED JOINT.
6. TRANSVERSE AND LONGITUDINAL JOINTS SHALL BE SAWED JOINTS.
7. SEALANTS AND PREFORMED SEALS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
8. THE ANCHOR IS TO BE USED AT RAILROAD GRADE CROSSINGS ADJACENT TO FLEXIBLE PAVEMENTS AND SIMILAR INTERRUPTIONS TO THE CONCRETE PAVEMENT.
9. MAKE A VERTICAL SAW CUT IN THE ASPHALT TO SERVE AS A FORM FOR THE END OF THE CONCRETE PAVEMENT.
10. PREFERRED PRACTICE IS TO PLACE THE CONSTRUCTION JOINT AT THE LOCATION OF A PLANNED CONTRACTION JOINT AND USE DOWEL BARS PER STD. TRANSVERSE JOINT DETAILS.
11. NOT TO SCALE
12. ALL LONGITUDINAL CONCRETE TO ASPHALT JOINTS SHALL BE SAWED AND SEALED.

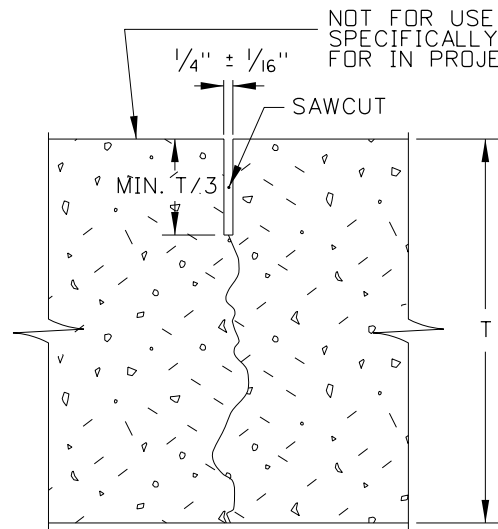


ELEVATION - ANCHOR FOR END OF CONCRETE OPTIONAL

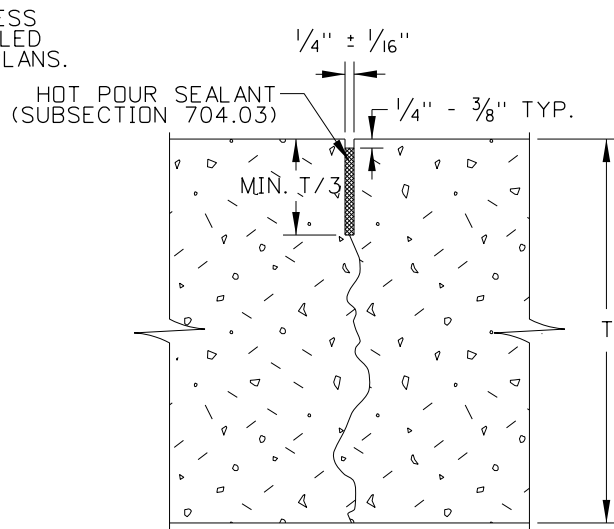
SUB-NOTES

*f THIS ANCHOR IS NOT TO BE USED IN CONJUNCTION WITH CONCRETE PAVEMENT.

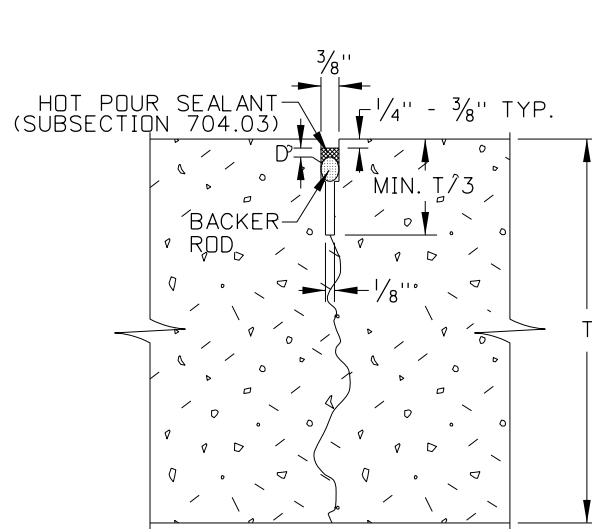
REVISIONS									SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT		ORIGINAL SIGNED BY: LOREN THOMAS HIGHWAYS PROGRAM OVERSIGHT ENGINEER		STANDARD DRAWING		English STANDARD DRAWING NO. 409-1	ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho ORIGINAL SIGNED BY: MICHAEL J. SANTI DATE ORIGINAL SIGNED: MAY 9, 2013				
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY						ORIGINAL SIGNED BY: TOM COLE CHIEF ENGINEER				PORTLAND CEMENT CONCRETE PAVEMENT			
1	04-84	GB	6	01-91	GB	11	09-08	JRV				CADD FILE NAME: 409-1_0513.dgn		DRAWING DATE: APRIL, 1984		BOISE IDAHO		REQUIRES SHEETS 1 OF 3 & 3 OF 3		SHEET 2 OF 3	
2	01-85	GB	7	12-92	AS	12	10-10	PLR													
3	08-85	GB	8	04-93	MSM	13	08-11	RSC													
4	08-86	GB	9	01-97	AS	14	04-13	RDL													
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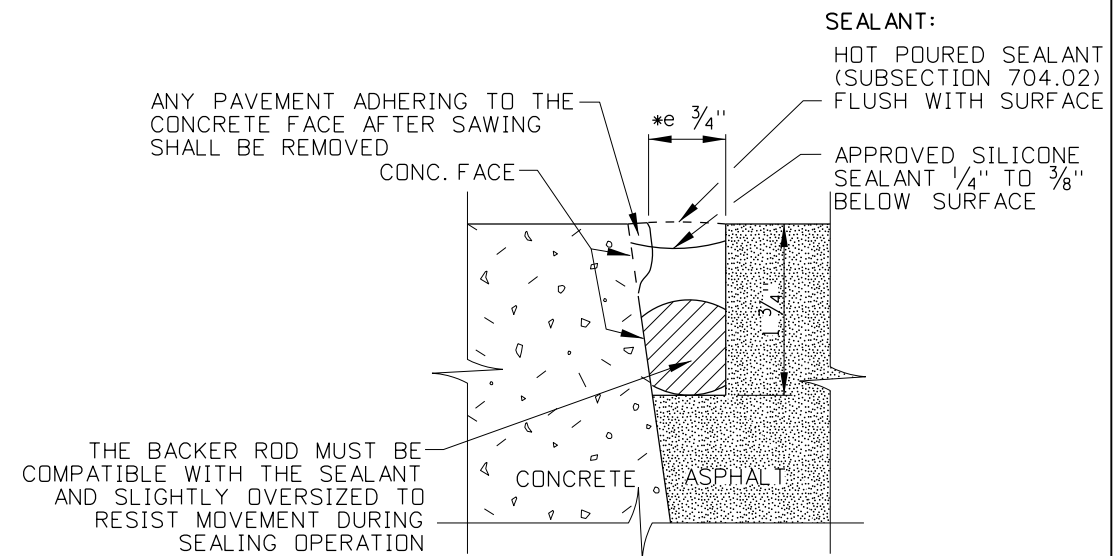
**SINGLE CUT
(NO SEALANT)**



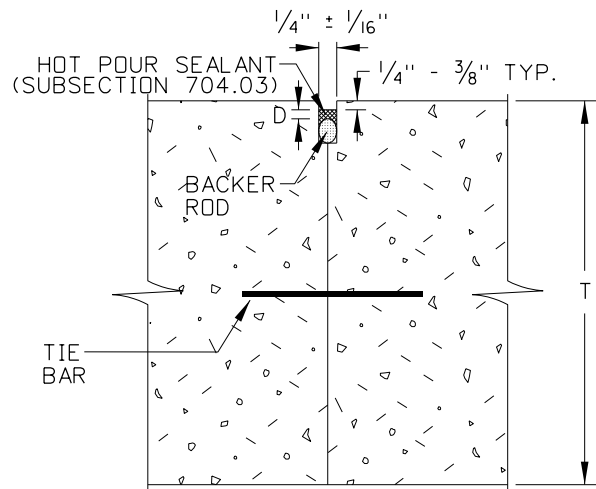
**SINGLE CUT
(FIELD-INSTALLED SEALANT)**



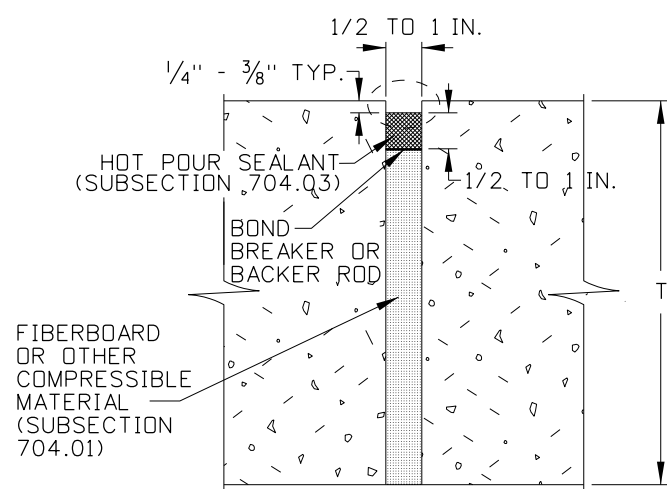
**WIDENED CUT
(FIELD-INSTALLED SEALANT)**



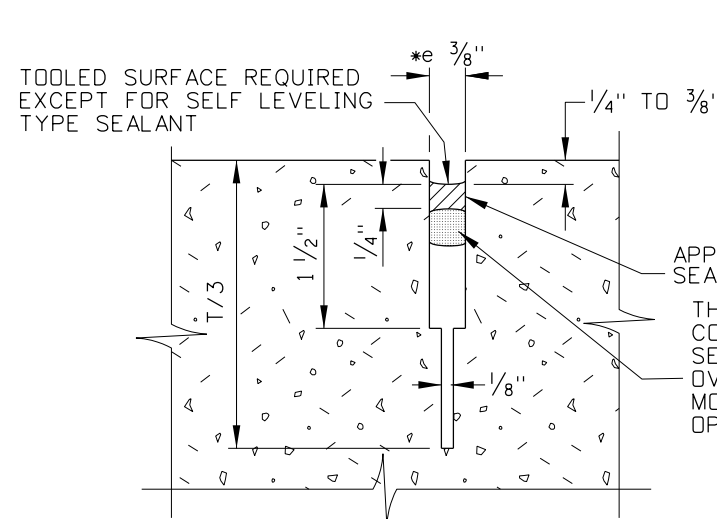
CONCRETE TO ASPHALT



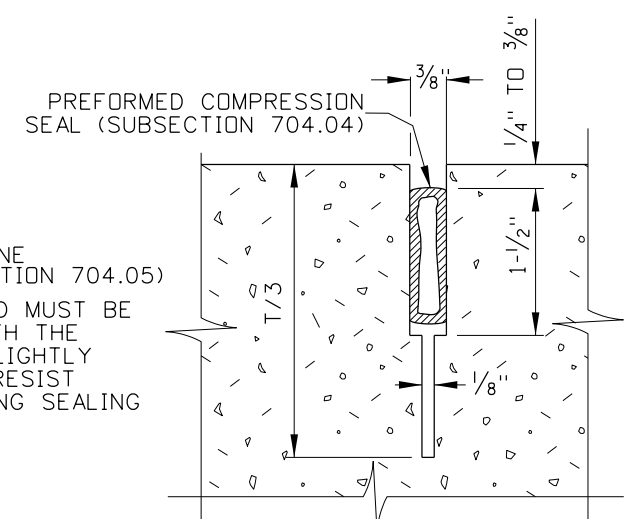
**SEALED CONSTRUCTION JOINT
(FIELD-INSTALLED SEALANT)**



**ISOLATION JOINT
(FIELD-INSTALLED SEALANT)**



SILICONE SEALANT

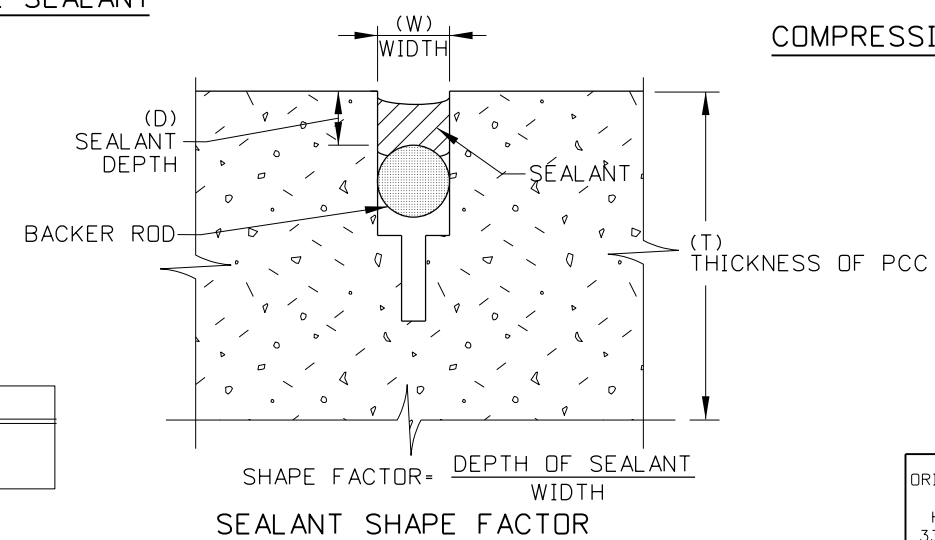


COMPRESSION SEAL

NOTES:

1. FOR HOT-POURED SEALANT, SHAPE FACTOR D/W = 1 (TYPICAL, ONLY IF BACKER ROD USED)
2. FOR SILICONE SEALANT, D/W = 0.5 (TYPICAL)
3. FOR TWO-COMPONENT COLD-POURED SEALANT, D/W = 0.5 (TYPICAL)
4. FOR PREFORMED COMPRESSION SEAL, W IS SIZED FOR SLAB & CLIMATE
5. SUBSECTION REFERENCES ARE ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
6. SEALANTS AND PREFORMED SEALS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
7. SAW CUT TO CONTROL SLAB CRACKING SHALL BE T/3 DEEP. "T" EQUALS DESIGN THICKNESS OF CONC. PAVEMENT.

CROSS-SECTIONS:



SUB-NOTES

*e DIMENSIONING REFERS TO SEALANT RESERVOIR ONLY.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	04-84	GB	6	01-91	GB	11	09-08
2	01-85	GB	7	12-92	AS	12	10-10
3	08-85	GB	8	04-93	MSM	13	08-11
4	08-86	GB	9	01-97	AS	14	04-13
5	11-89	GB	10	11-01	MSM		

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 409-1_0513.dgn DRAWING DATE: APRIL, 1984

IDAHO TRANSPORTATION DEPARTMENT  BOISE IDAHO
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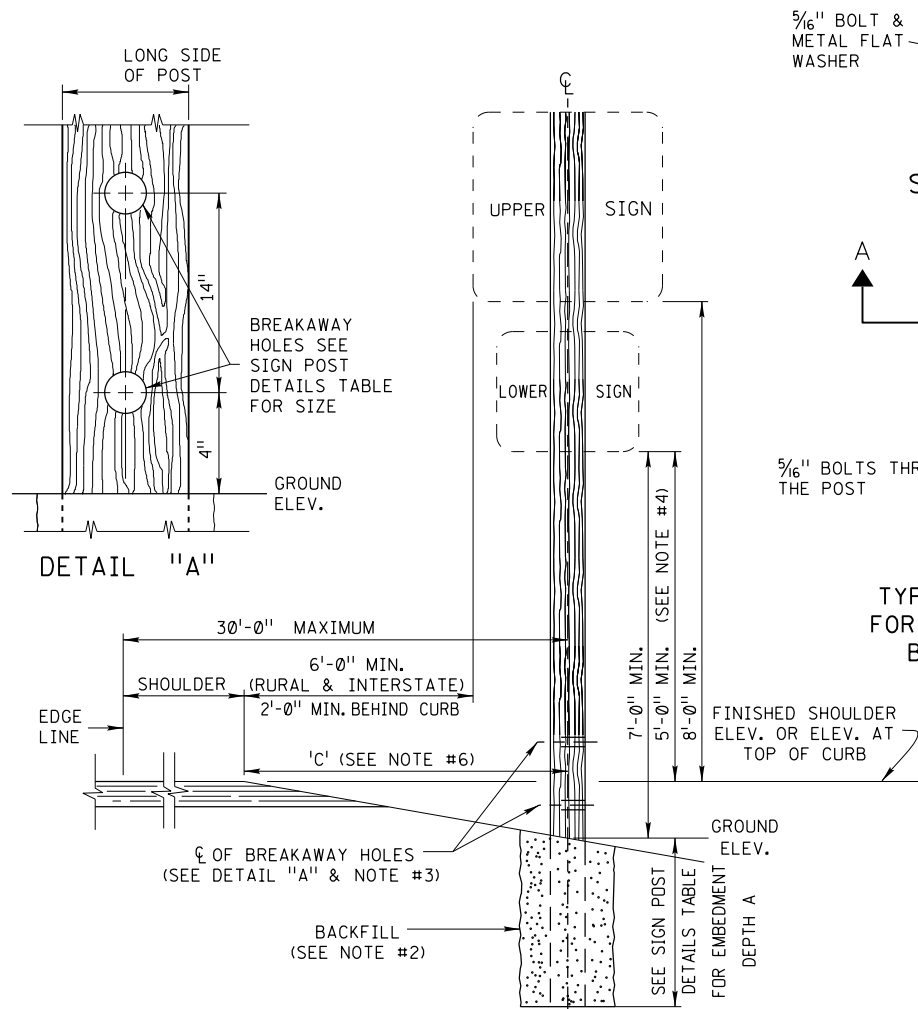
ORIGINAL SIGNED BY: LOREN THOMAS HIGHWAYS PROGRAM OVERSIGHT ENGINEER ORIGINAL SIGNED BY: TOM COLE CHIEF ENGINEER

STANDARD DRAWING PORTLAND CEMENT CONCRETE PAVEMENT REQUIRES SHEETS 1 OF 3 & 2 OF 3

English STANDARD DRAWING NO. 409-1 SHEET 3 OF 3
--

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

ORIGINAL SIGNED BY:
MICHAEL J. SANTI
DATE ORIGINAL SIGNED:
MAY 9, 2013



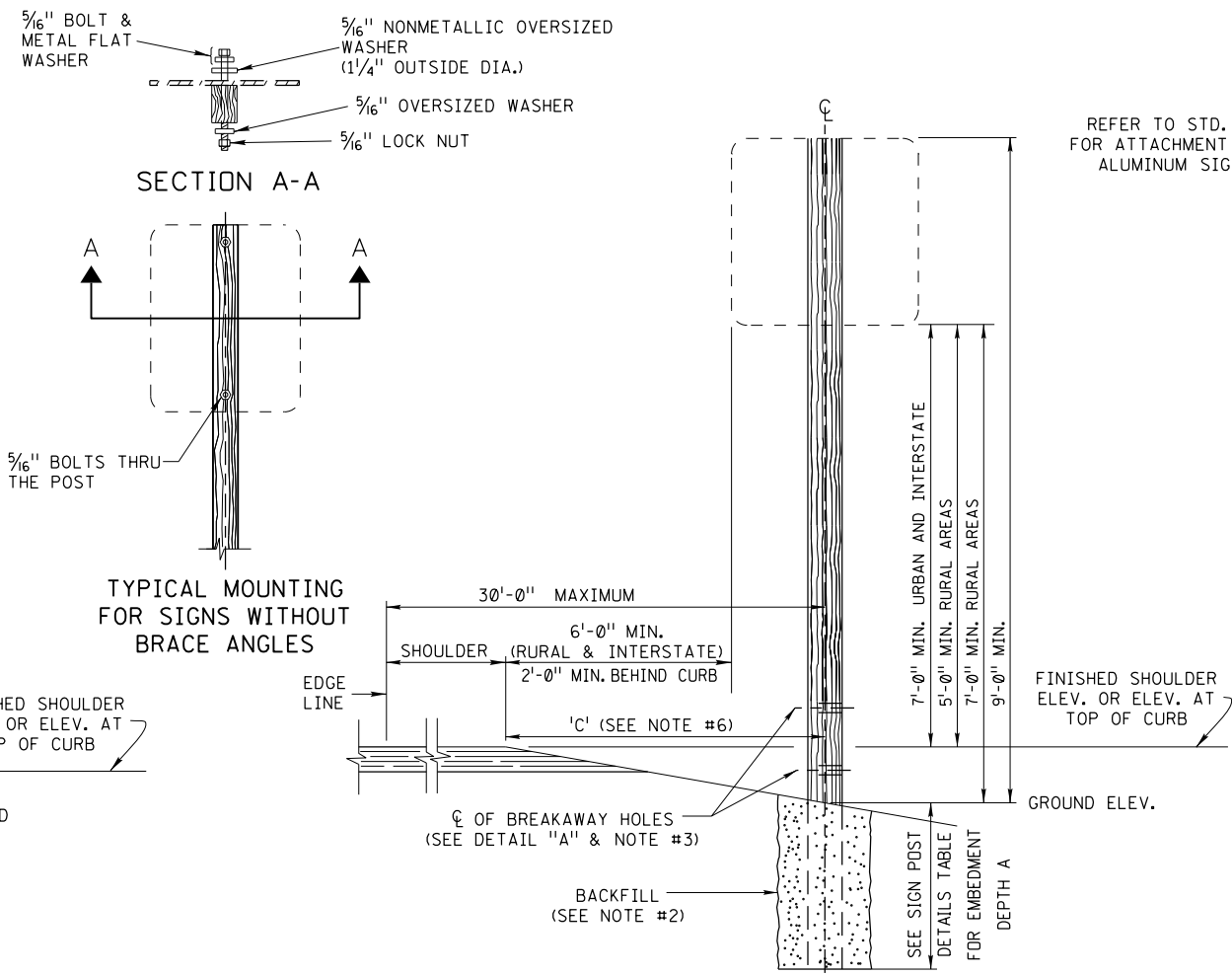
INSTALLATION DETAIL

SIGN POST DETAILS TABLE

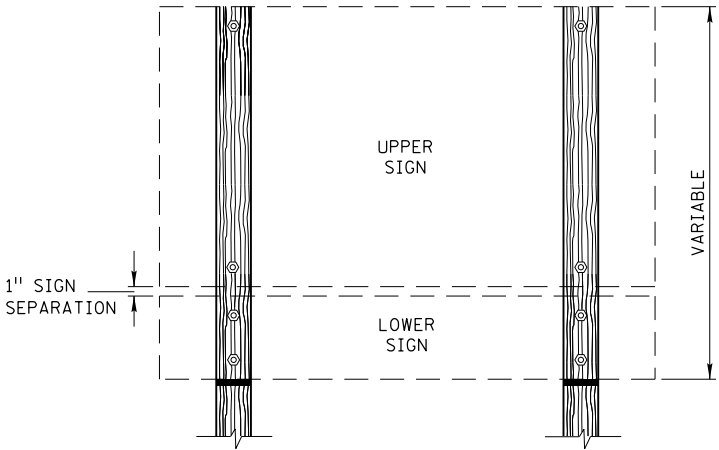
POST TYPE	POST SIZE	EMBEDMENT DEPTH A	NOTCH DEPTH	BREAKAWAY HOLE SIZE
D-1	4"x4"	3'-6"	—	—
D-2	4"x6"	4'-0"	1 3/4"	1 1/2" DIA.
D-3	6"x6"	5'-0"	1 3/4"	2" DIA.
D-4	6"x8"	6'-0"	2 1/2"	3" DIA.
D-5	8"x8"	6'-0"	—	SEE NOTE 2

SIGN POST DETAILS TABLE NOTES:

- 7'-0" MIN. CLEAR DISTANCE BETWEEN 6"x 6" POSTS OR LARGER. FULL WIDTH SAW CUT NOTCHES ARE REQUIRED ON ALL TWO POST INSTALLATIONS. OMIT NOTCH FOR SINGLE POST INSTALLATIONS.
- NON-BREAKAWAY POST: THE D-5 (8" x 8") POST IS ONLY APPROVED FOR USE OUTSIDE THE CLEAR ZONE OR WITHIN CLEAR ZONE WHEN PROTECTED BY GUARD RAIL OR OTHER NCHRP-350 OR MASH DEVICES.

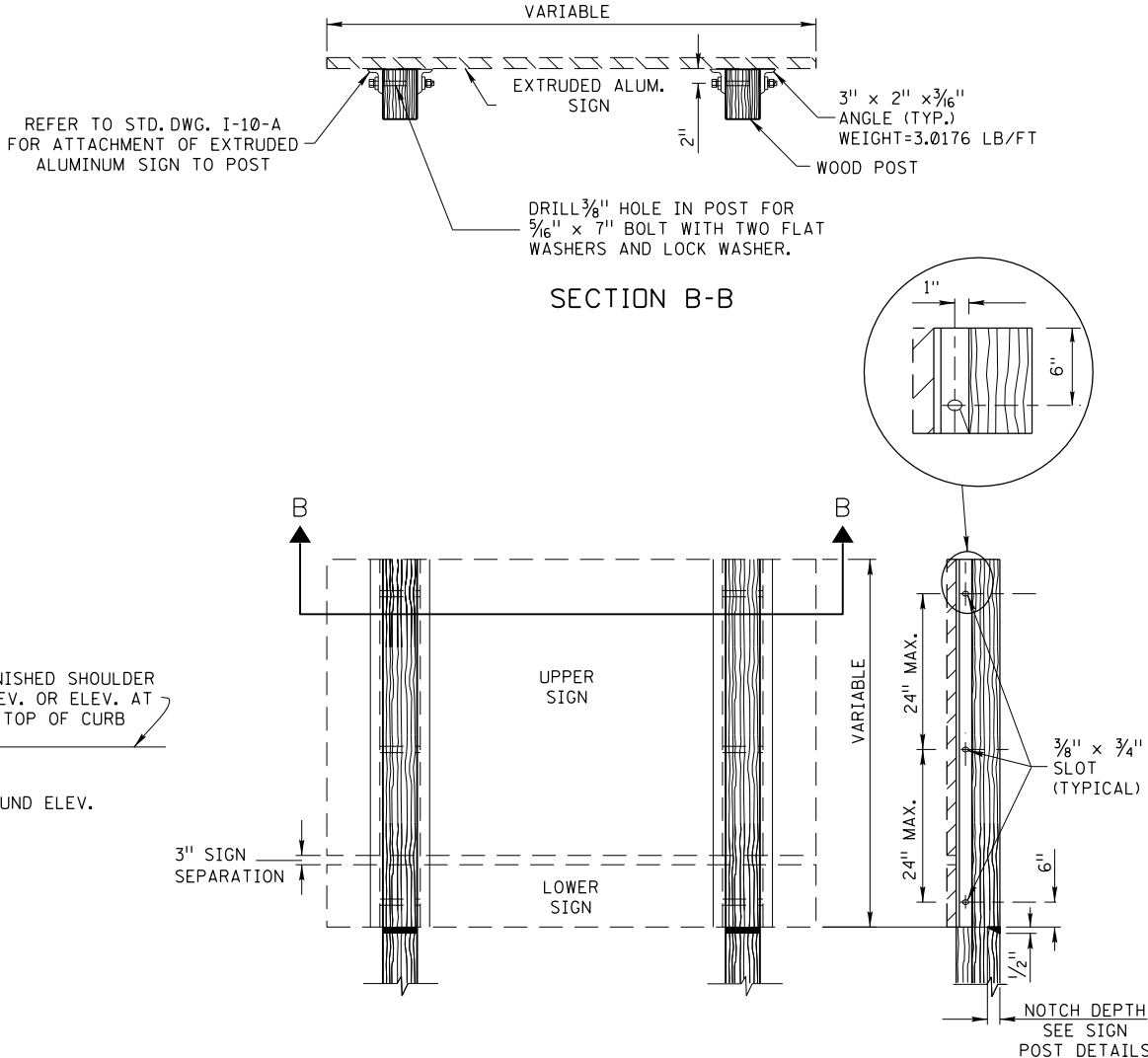


INSTALLATION DETAIL



TYPICAL SHEET ALUMINUM OR PLYWOOD SIGNS MOUNTED ON WOOD POSTS

SHEET ALUMINUM SIGNS MAY REQUIRE THE BRACE ANGLES.



TYPICAL EXTRUDED ALUMINUM SIGN MOUNTED ON WOOD POSTS

ANGLES ARE REQUIRED FOR MOUNTING EXTRUDED ALUMINUM PANEL SIGNS.

NOTES:

- PLACE LONG DIMENSION OF POST CROSS SECTION PERPENDICULAR TO THE SIGN FACE.
- BACKFILL SHALL BE APPROVED GRANULAR BORROW.
- BREAKAWAY HOLES SHALL BE FIELD DRILLED. POSTS 4"x6" AND LARGER REQUIRE BREAKAWAY HOLES. THE BREAKAWAY HOLES SHALL BE DRILLED PARALLEL TO THE SIGN FACE.
- IF THE LOWER SIGN IS AN OBJECT MARKER, THE DIMENSION SHALL BE 4'-0".
- POSTS SHALL BE PRESSURE TREATED ACCORDING TO SECTION 710.09.
- SEE SIGNING ERECTION SPECIFICATIONS SHEET IN PLANS FOR 'C' DIMENSION.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	08-96	HEB						
2	12-13	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: i8e_1213.dgn

DRAWING DATE: NOVEMBER, 1991

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: RYAN LANCASTER for
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

BREAKAWAY SIGN POSTS
TYPE D

English

STANDARD DRAWING NO.

I-8-E

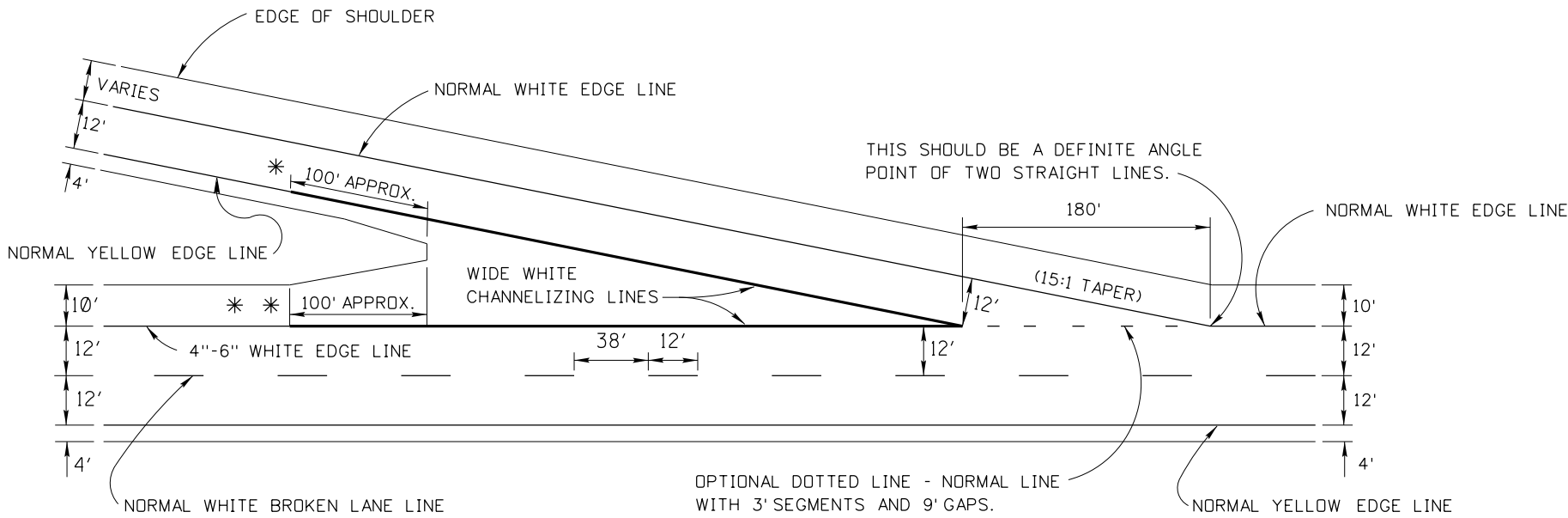
SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

ORIGINAL SIGNED BY:
DATE: CARL D. MAIN
DECEMBER 6, 2013

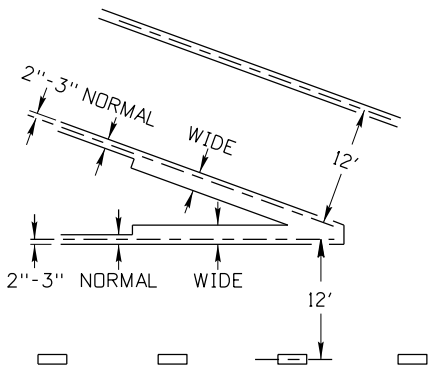
NOTES

1. LINE WIDTHS
- NORMAL LONGITUDINAL LINES ARE 4 TO 6 INCHES WIDE.
- WIDE CHANNELIZATION LINES ARE AT LEAST TWICE THE WIDTH OF A NORMAL LINE.
2. PAVEMENT MARKINGS WHICH WOULD FALL ON LONGITUDINAL PAVEMENT JOINTS SHOULD BE PLACED AS FOLLOWS:
- THE RIGHT EDGE LINE AND CENTER BROKEN LANE LINE (SKIP LINE) SHOULD BE OFFSET 4 INCHES TO THE LEFT SIDE OF LONGITUDINAL JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
- THE LEFT EDGE LINE SHOULD BE OFFSET 4 INCHES TO THE RIGHT OF A LONGITUDINAL JOINT.
3. ALL MEASUREMENTS GIVEN ARE TO THE CENTER OF THE NORMAL LINES. WIDE WHITE CHANNELIZING LINES ARE OFFSET AS SHOWN.
4. DRAWING NOT TO SCALE.

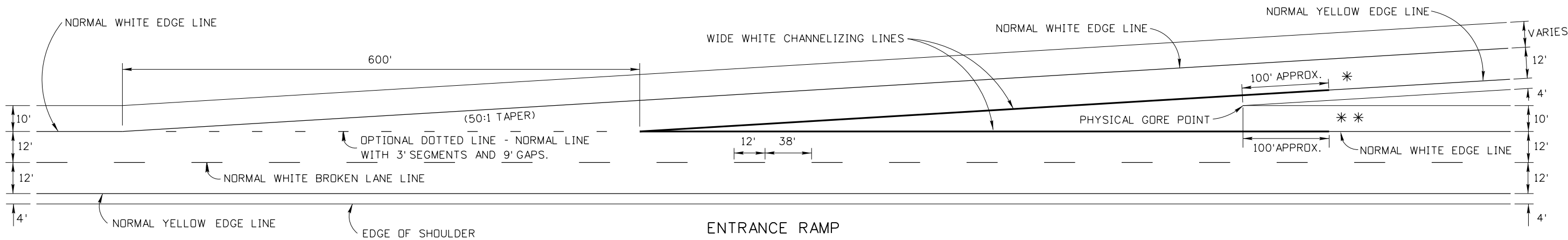


EXIT RAMP

- * LINE CHANGES FROM 4"-6" YELLOW EDGE LINE TO 8"-12" SOLID WHITE CHANNELIZING LINE.
- * * LINE CHANGES FROM 4"-6" WHITE EDGE LINE TO 8"-12" WIDE SOLID WHITE CHANNELIZING LINE.



TYPICAL DIMENSIONS FOR PAINTED GORE
SEE NOTE 3



ENTRANCE RAMP

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
i22_0515.dgn

DRAWING DATE:
MAY, 2015

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

FREEWAY PAVEMENT MARKINGS

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

English

STANDARD DRAWING NO.
I-22

SHEET 1 OF 1

ORIGINAL SIGNED BY:
RYAN D. LANCASTER
DATE ORIGINAL SIGNED:
MAY 28, 2015