



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: PS-1701858
Date Issued: 06/20/2017
Start Date: 06/20/2017
Exp. Date: 08/01/2017
Project No: PWP7110005
Quad: NW

ENCROACHMENT PERMIT

To: ETIC ENGINEERING
2285 MARELLO AVE
PLEASANT HILL, CA 94526

Encroachment Type:

TCP			
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Location:

FREMONT ST W/O HWY 99

In compliance with your request of 06/20/2017, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. **Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.**

Special Comments:

Traffic Control Per MUTCD


FORMS:

SS/WW, R-29		
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Est. Permit Fee: \$557.00

WHITE	-Permittee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

KRIS BALAJI, Director
Department of Public Works

By: 
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies-governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 5/22/17

To: San Joaquin County
Department of Public Works

ETIC Engineering
(Applicant Name)

2285 Morello Avenue
(Mailing Address)

Pleasant Hill, CA 94523
(City, State, Zip Code)

925-602-4710 x 2201
(Area Code - Telephone Number)

LHobson@eticeng.com
(Email Address)

OFFICE USE ONLY

JOB # 110005 REF # _____
APN _____ CR # _____
EXP. DATE 8-1-17
VALID 6-20-17 TO 8-1-17 DRIVEWAYS: _____
STREET Fremont St & Farmington Rd *
AREA Stockton QUAD NW *
TYPE ICP *
FORMS SSWW
NOTES _____

Sketch (Detailed plans may be submitted)

See Attached Plans

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the south side of Route 26 in Stockton (#2 lane) approximately PM 1.1 feet/mile of where it crosses Highway 99, by performing the following work (description of work): Install temporary support system behind channelizers and K-rail to perform heat straightening of existing steel girders on the underside of the bridge per Caltrans project #10-1F0804.

Work will commence on or after 6/12/17 for approximately 35 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

[Signature] - Vice President

Signature of Applicant - Title

5/22/2017

Date

INDEX OF PLANS

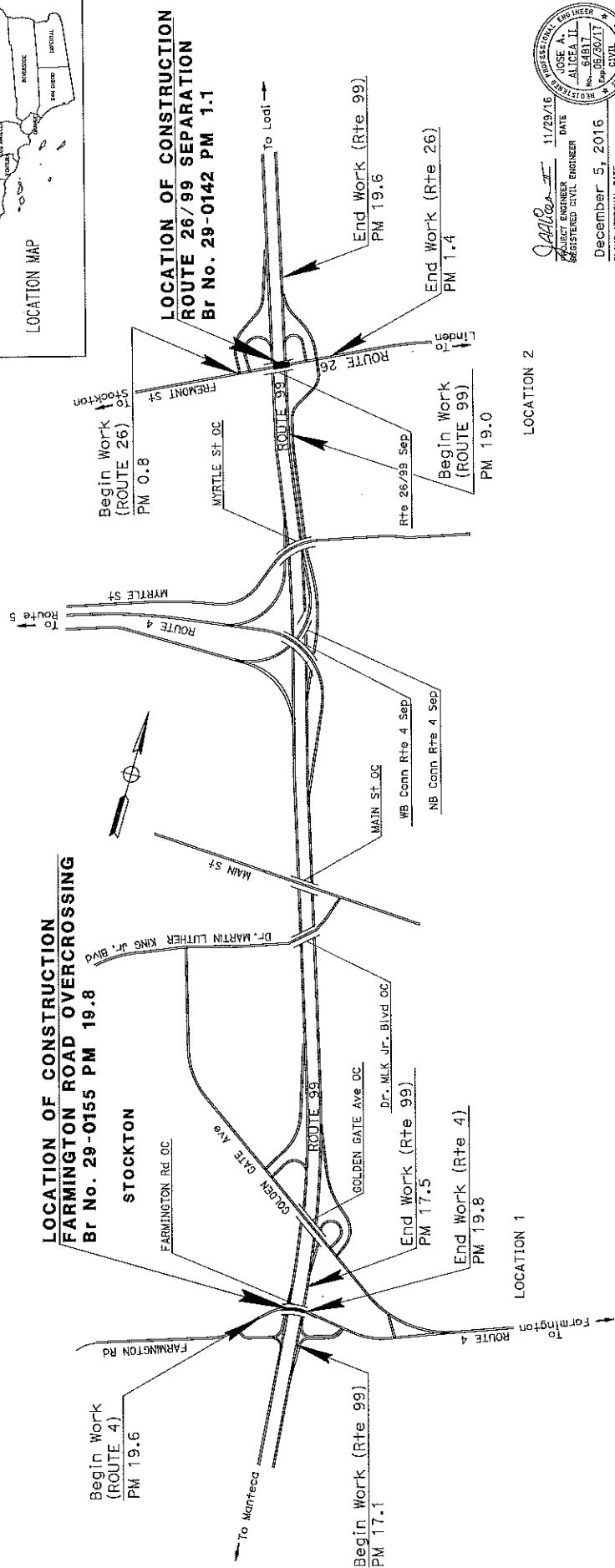
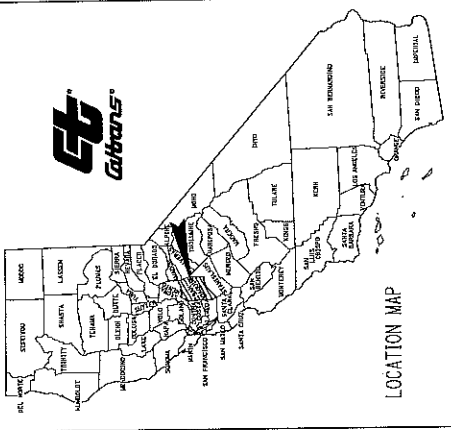
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGNS
3	TRAFFIC HANDLING PLAN
4-5	MOTORIST INFORMATION PLAN
6	PAVEMENT DELINEATION PLAN AND QUANTITIES
STRUCTURE PLANS	
7-11	STRUCTURE PLANS

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY IN SAN JOAQUIN COUNTY IN STOCKTON ON ROUTE 4 AT FARMINGTON ROAD OVERCROSSING AND ON ROUTE 26 AT ROUTE 26/99 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2015

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS
10	SJ	4,26	19.8,1.1	1 11



11/29/16
12-08-16
DATE PLOTTED => 08-02-2016

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE
December 5, 2016
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
IS THE AUTHORITY FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN AND THE COMPLETENESS OF THE PLANS.

CONTRACT No. **10-1F0804**
PROJECT ID **1016000116**
PROJECT NUMBER & PHASE **1016000116**

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

BORDER LAST REVISED 9/30/2012 | CALTRANS WEB SITE IS: [HTTP://WWW.DOT.CA.GOV/](http://www.dot.ca.gov/)

NO SCALE

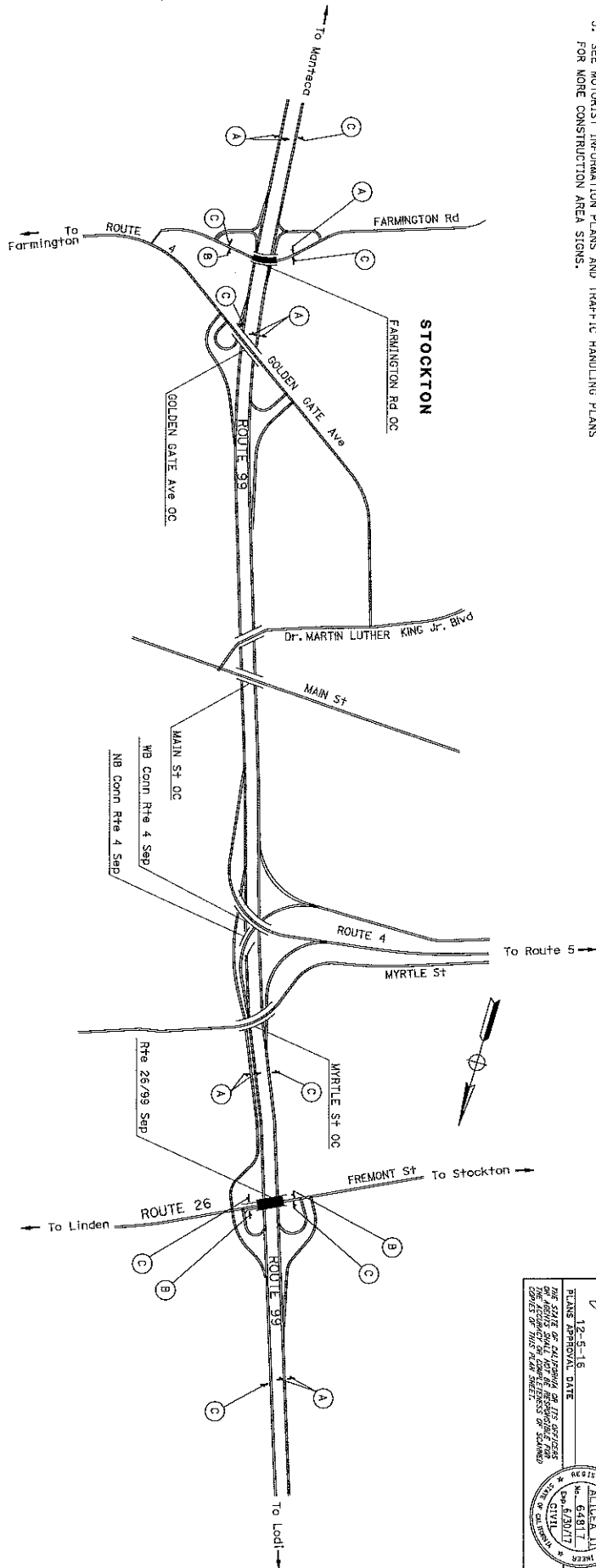
RELATIVE BORDER SCALE 0 1 2 3 USERNAME => 8120500 DGN FILE => 0160000001.dgn

UNIT 2593 PROJECT NUMBER & PHASE 1016000116

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	JOSE A. ALICEA II	REVISED BY	JAA		
Caltrans MAINTENANCE	ALVIN MANGINDIN	CHECKED BY	DONALD EMUKPOERUO	DATE REVISED	12/08/16		

- NOTES:**
1. EXACT SIGN LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
 2. COVER CONFLICTING SIGNS DURING CLOSURE.
 3. SEE MOTORIST INFORMATION PLANS AND TRAFFIC HANDLING PLANS FOR MORE CONSTRUCTION AREA SIGNS.

LOCATION 1



LOCATION 2

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	SIGN CODE	PANEL SIZE	NO. OF POSTS AND SIZE	NO. OF SIGNS	SIGN MESSAGE
A	W20-1	48" x 48"	1 - 4" x 6"	8	ROAD WORK AHEAD
B	W20-1	36" x 36"	1 - 4" x 6"	4	ROAD WORK AHEAD
C	G20-2	36" x 18"	1 - 4" x 4"	8	END ROAD WORK

Sheet	County	Route	Post Miles	Sheet Totals
10	SJ	4,26	19.8, 1.1	2
11				11

REGISTERED CIVIL ENGINEER
 DATE 11/29/16
 PROJECT NO. 64817
 CIVIL
 THE STATE OF CALIFORNIA BY ITS OFFICIAL ENGINEER
 THE RECORD OF COMPETENCE OF SIGNING ENGINEER
 COPIES OF THIS PLAN SHEET:

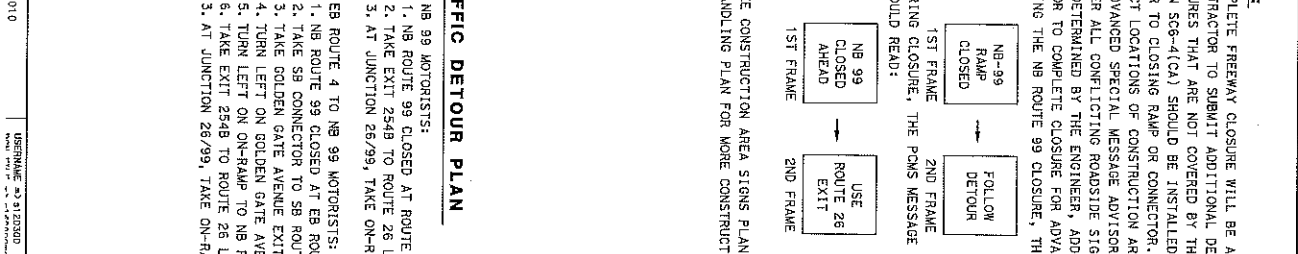
CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

NOTES:
1. COMPLETE FREEWAY CLOSURE WILL BE AS PER CALTRANS STANDARD PLANS 110A.
2. CONTRACTOR TO SUBMIT ADDITIONAL DETOUR PLANS FOR APPROVAL OF ANY REQUIRED CLOSURES THAT ARE NOT COVERED BY THE TRAFFIC HANDLING PLAN SHEETS.
3. SIGN SC6-4(CA) SHOULD BE INSTALLED AT LEAST 7 DAYS BUT NOT MORE THAN 15 DAYS PRIOR TO CLOSING RAMP OR CONNECTOR.
4. EXACT LOCATIONS OF CONSTRUCTION AREA SIGNS & POMS TO BE DETERMINED BY THE ENGINEER.
5. * ADVANCED MESSAGE ADVISORY SIGN AT RAMP.
6. COVER ALL CONFLICTING ROADSIDE SIGNS EXCEPT SC6-4.
7. AS DETERMINED BY THE ENGINEER, ADDITIONAL POMS BOARDS SHALL BE PLACED ONE WEEK PRIOR TO COMPLETE CLOSURE FOR ADVANCED NOTIFICATION
8. DURING THE NB ROUTE 99 CLOSURE, THE POMS MESSAGE AT (E) SHOULD READ:



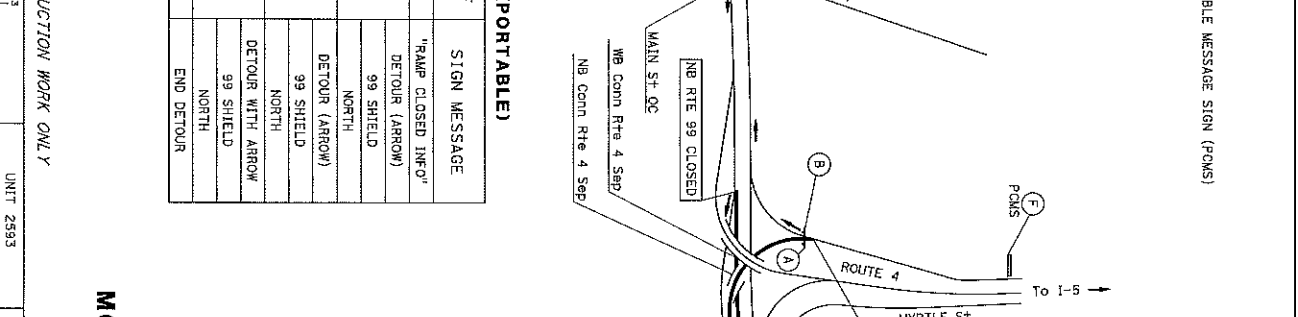
10. SEE CONSTRUCTION AREA SIGNS PLAN AND TRAFFIC HANDLING PLAN FOR MORE CONSTRUCTION AREA SIGNS.

FOR NB 99 MOTORISTS:
1. NB ROUTE 99 CLOSED AT ROUTE 26 JUNCTION
2. TAKE EXIT 2549 TO ROUTE 26 LINDEN/FREMONT ROAD
3. AT JUNCTION 26/99, TAKE ON-RAMP TO NB ROUTE 99

FOR EB ROUTE 4 TO NB 99 MOTORISTS:
1. NB ROUTE 99 CLOSED AT EB ROUTE 4 TO NB 99 CONNECTOR
2. TAKE SB CONNECTOR TO SB ROUTE 99
3. TAKE GOLDEN GATE AVENUE EXIT
4. TURN LEFT ON GOLDEN GATE AVENUE
5. TURN LEFT ON ON-RAMP TO NB ROUTE 99
6. TAKE EXIT 2548 TO ROUTE 26 LINDEN/FREMONT ROAD
3. AT JUNCTION 26/99, TAKE ON-RAMP TO NB ROUTE 99

LEGEND:
PORTABLE CHANGEABLE MESSAGE SIGN (POMS)

SIGN	SIGN CODE	PANEL SIZE	No. OF SIGNS	SIGN MESSAGE
(A)*	MA-10(R)	48" x 60"	1	"RAMP CLOSED INFO"
(B)	SC6-4(CA)	48" x 18"	2	DETOUR (ARROW)
(C)	MA-10(L)	48" x 18"	1	DETOUR (ARROW)
(D)	SC6-4(CA)	48" x 18"	1	DETOUR WITH ARROW
(E)	MA-10(L)	48" x 18"	1	END DETOUR

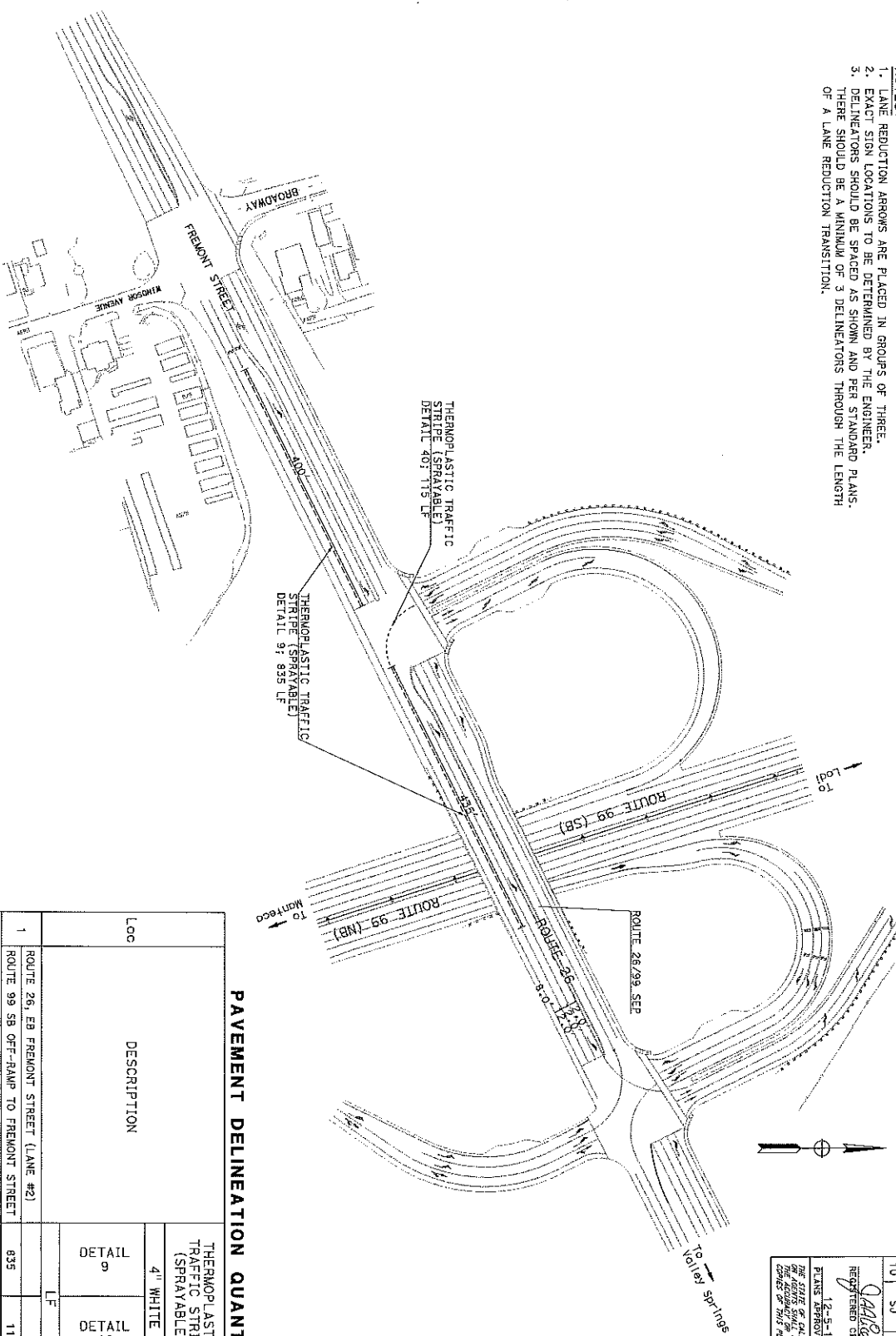


THIS PLAN ACCURATE FOR DETOUR CONSTRUCTION WORK ONLY

MOTORIST INFORMATION PLAN
(FULL CLOSURE OF NB RTE 99)
NO SCALE
MI-1

12-08-16

- NOTES:
1. LANE REDUCTION ARROWS ARE PLACED IN GROUPS OF THREE.
 2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 3. DELINEATORS SHOULD BE SPACED AS SHOWN AND PER STANDARD PLANS. THERE SHOULD BE A MINIMUM OF 3 DELINEATORS THROUGH THE LENGTH OF A LANE REDUCTION TRANSITION.



PAVEMENT DELINEATION QUANTITIES

LOC	DESCRIPTION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)		PAVEMENT MARKER (RETRO-REFLECTIVE)	
		4" WHITE	TYPE G	TYPE G	TYPE G
1	ROUTE 26, EB FREMONT STREET (LANE #2)				22
	ROUTE 99 SB OFF-RAMP TO FREMONT STREET	835	115		22
	SUB-TOTAL	835	115		22
	TOTAL	950			22

PAVEMENT DELINEATION PLAN AND QUANTITIES
PDQ-1

NO SCALE

Sheet COUNTY ROUTE POST MILES SHEET TOTAL
 10 SJ 4.26 19.8, 1.1 6 11

REGISTERED CIVIL ENGINEER DATE 11/29/16
 12-5-16
 JOSE A. ALICEA II
 No. 64817
 Exp. 5/29/17

THE STATE OF CALIFORNIA BY ITS OFFICERS
 THE AUTHORITY OF QUALITY OF STANDARD
 COMES OF THIS PLAN SHEET.

DIST	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET TOTAL
10	SJ	4,26	19.8,1.1	7	11

NOTES: (APPLY TO ALL SHEETS)
 Indicates existing structure.
 STANDARD PLAN SHEET NUMBER
 DETAIL NUMBER

REGISTERED CIVIL ENGINEER
 DATE: 10-21-16
 PROFESSIONAL ENGINEER
 12-5-16
 PLANS APPROVAL DATE
 No. 23321
 The State of California on the officers or agents of the State Board of Civil Engineers shall not be responsible for the accuracy or completeness of loaned copies of this plan sheet.

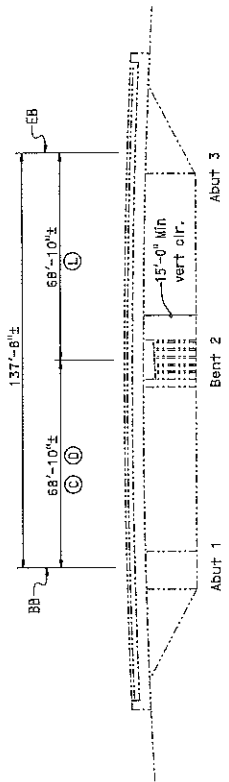
NOTES: (APPLY TO THIS SHEET ONLY)

Repair and heat straighten steel girders (C), (D) and (E)
 For pay limits and details, see "GIRDER LAYOUT No. 1" sheet.

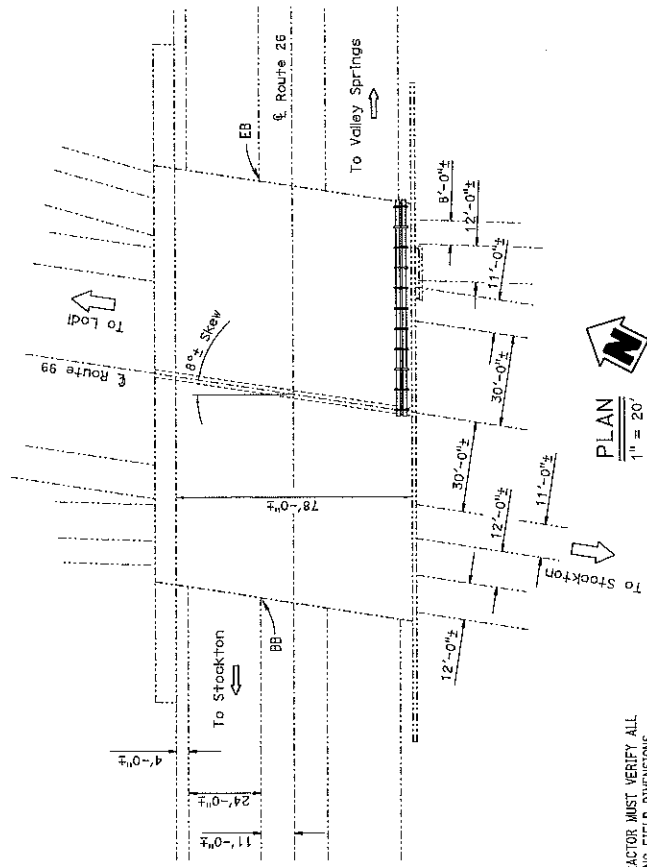
Install temporary support for heat straighten at girder (C).

QUANTITIES

- LEAD COMPLIANCE PLAN
- WORK AREA MONITORING (BRIDGE)
- CORE CONCRETE (1")
- BRIDGE REMOVAL (PORTION), LOCATION A
- TEMPORARY SUPPORT
- STRUCTURAL STEEL (BRIDGE)
- CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)
- HEAT STRAIGHTEN STEEL GIRDER
- LUMP SUM
- LUMP SUM
- 7 LF
- LUMP SUM
- LUMP SUM
- 17 LB
- LUMP SUM
- LUMP SUM



ELEVATION
 1" = 20'



PLAN
 1" = 20'

THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

GENERAL NOTES
 LOAD FACTOR DESIGN

- DESIGN: (1996 AASHTO with Interim and Revisions by Caltrans)
- DEAD LOAD: Includes 35 psf for future wearing surface.
- LIVE LOADING: HS20-44 and alternative
- STRUCTURAL: n = 10
- STEEL: f_y = 50,000 psi
- HS THREADED BOLTS: ASTM A325, Type 1

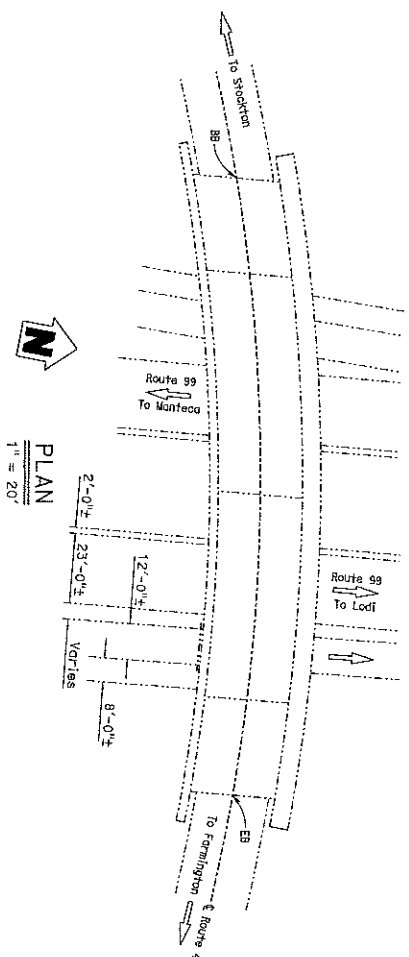
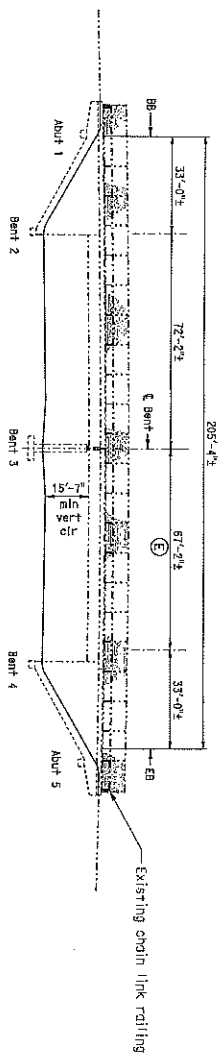
INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GIRDER LAYOUT NO. 1
4	GIRDER LAYOUT NO. 2
5	TEMPORARY SUPPORT DETAILS

STANDARD PLANS DATED 2015

SHEET NO.	TITLE
A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)

DESIGNER: J. Rodu CHECKED: B. Nguyen DATE: 10-21-16 PROJECT: ROUTE 26/99 SEPARATION SHEET: 1 OF 5		DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		ROUTE 26/99 SEPARATION GENERAL PLAN No. 1	
PROJECT NUMBER & PHASE: 1016001161 CONTRACT NO.: 1D-1F0804 PROJECT: 10-176801-01-01-00		BRIDGE NO.: 29-0142 POST MILE: 1.11		SHEET NO.: 1 OF 5 REVISION DATE:		SHEET NO.: 1 OF 5 REVISION DATE:	



THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

QUANTITIES	
LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP SUM
STRUCTURAL STEEL (BRIDGE)	11 LB
CLEAN AND PAINT STRUCTURAL STEEL	LUMP SUM
(EXISTING BRIDGE)	
HEAT STRAIGHTEN STEEL GIRDER	LUMP SUM

Repair and heat straighten exterior steel girder (E). For ply limits and details, see "GIRDER LAYOUT No. 2" sheet.

DIST	COUNTY	ROUTE	POST MILE	SHEET TOTAL
10	SJ	4,26	19.6-1.1	8 11

10-21-16

REGISTERED CIVIL ENGINEER DATE

12-5-16

PLANS APPROVAL DATE

The State of California, by its officers or agents, shall not be responsible for the accuracy or completeness of assumed copies of this plan map.

THOMAS P. MCGHEE
NO. 3-55230
A-3-20-11
CIVIL

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

DESIGN		BY B. HUGHES		CHECKED J. ROTH		LIVE LOADING HSR-24 AND ALTERNATE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN		DATE: 3-6-68		23-01-55		FARMINGTON ROAD OVERCROSSING GENERAL PLAN No. 2	
DETAILS		BY W. HOLIFORTH		CHECKED B. HUGHES		LAYOUT B. HUGHES				PROJECT NUMBER & PHASE: 10-00001161		CONTRACT NO.: 10-110984			
QUANTITIES		BY B. HUGHES		CHECKED J. ROTH		SPECIFICATIONS A. ROTH/72		DWT: 3648		CONTRACT NO.: 10-110984		DISCREPANCY REPORT NUMBER AND DATE:		SHEET 2 OF 5	
STANDARD MAINTENANCE FORM, P.L.S. SHEET (SHEET) INC. 0-9-7-7-10								PROJECT NUMBER & PHASE: 10-00001161 CONTRACT NO.: 10-110984 DISCREPANCY REPORT NUMBER AND DATE:							

DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
10	SJ	4,26	19.8, 1.1	9 11

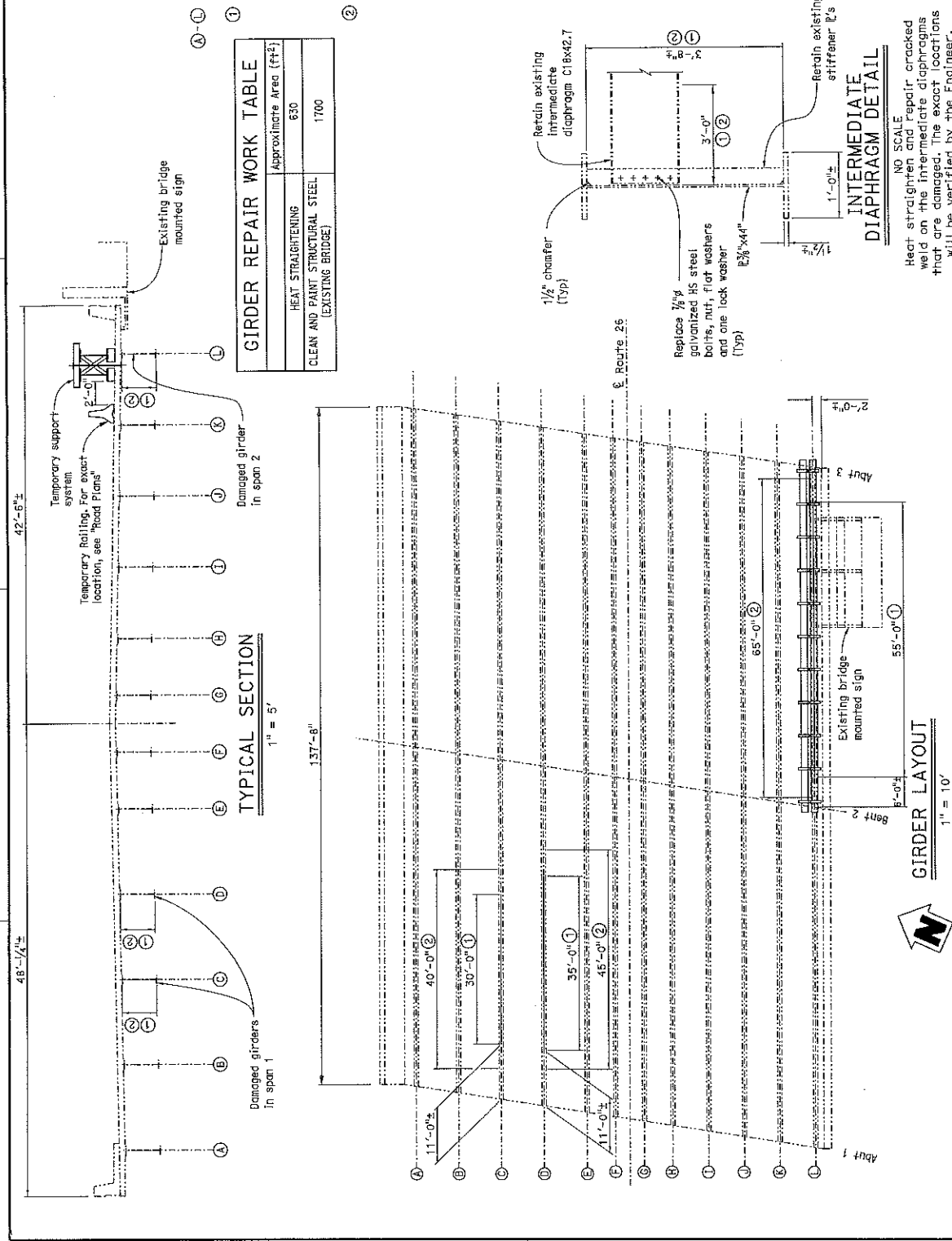
10-21-16
 REGISTERED CIVIL ENGINEER
 DATE
 12-5-16
 PLANS APPROVAL DATE
 12-5-16
 SEAN P. NORTON
 C 3870
 CIVIL
 The State of California, by its Office of Statewide Planning and Development, hereby certifies that the above-named Engineer is duly licensed to practice in the State of California.

NOTES: (APPLY TO THIS SHEET ONLY)
 Indicates girder identification.

Indicates limits of heat straightened damaged steel girders.
 Indicates limits of remove cracked weld and repair with new weld. Locations for weld removal and new weld are verified by the Engineer. The approximate quantity for removing cracked welds and repairing with new weld is a total of 2 feet. Replace HS bolts. Exact location to be verified by the Engineer.

Indicates limits of clean and paint structural steel (existing bridge). Includes all steel areas that are heat straightened and all stiffeners that are repaired.
 No live load above girder (B) to (E) in span 1 and girder (A) to edge of deck in span 2 is allowed during heat straighten process.

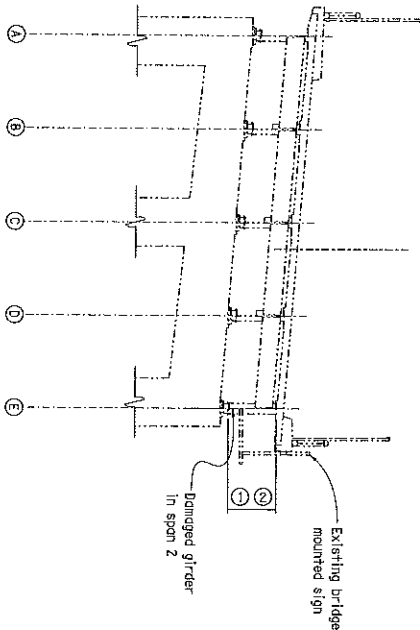
GIRDER REPAIR WORK TABLE	
HEAT STRAIGHTENING	Approximate Area (ft ²)
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	630
	1700



STIFFENER DETAIL
 NO SCALE
 Heat straighten and repair cracked weld on the stiffeners that are damaged. The exact locations will be verified by the Engineer.

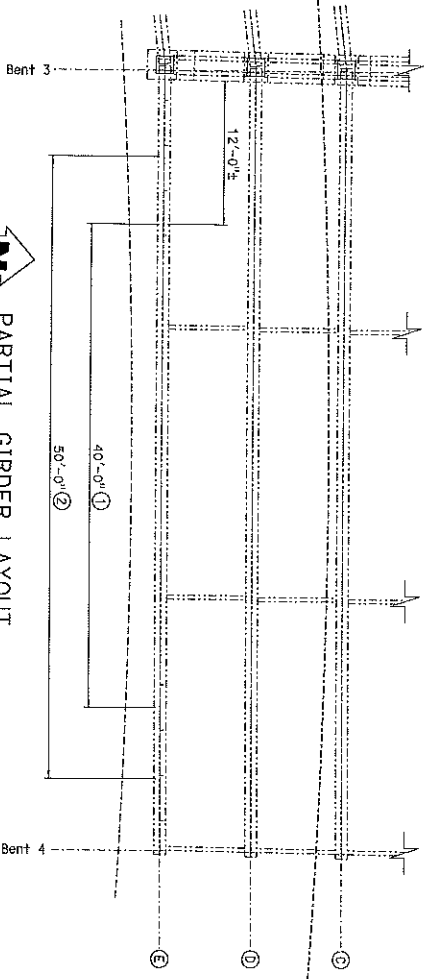
INTERMEDIATE DIAPHRAGM DETAIL
 NO SCALE
 Heat straighten and repair cracked weld on the intermediate diaphragms that are damaged. The exact locations will be verified by the Engineer.

STATE OF CALIFORNIA		ROUTE 26/99 SEPARATION	
DEPARTMENT OF TRANSPORTATION		GIRDER LAYOUT NO. 1	
DESIGN	DETAILS	QUANTITIES	REVISIONS
DESIGNED BY: B. NORTON	DRAWN BY: M. HALLSTROM	CHECKED BY: B. NORTON	DATE: 10-21-16
DIVISION OF MAINTENANCE		CONTRACT NO.: D-TF0804	
STRUCTURE MAINTENANCE DESIGN		PROJECT NUMBER & PHASE: 1016000181	
UNIT: 3488		SHEET: 3	
FILE: 10-17681_03/04/16/0804-01.dgn		SHEET: 3	



TYPICAL SECTION
1" = 5'

PARTIAL GIRDER LAYOUT
1" = 5'



GIRDER REPAIR WORK TABLE		
HEAT STRAIGHTENING	Approximate Area (ft ²)	200
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)		540

NOTES: (APPLY TO THIS SHEET ONLY)

①-⑤ Indicates girder identification.

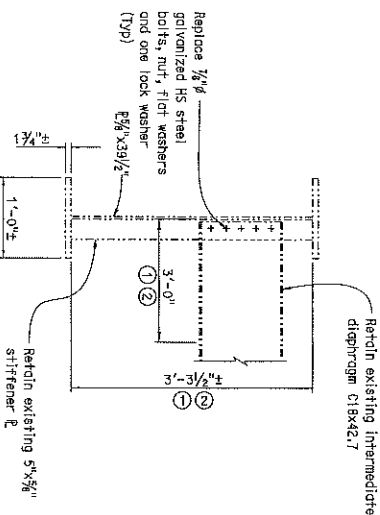
① Indicates limits of repair and heat straighten steel girder. Heat straighten stiffeners and intermediate diaphragms. Replace HS bolts. Exact locations to be verified by the Engineer.

② Indicates limits of clean and paint structural steel (existing bridge). Includes all steel areas that are heat straightened and all stiffeners that are repaired. No live load above girder ① to ⑤ is allowed during heat straighten process.

DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
10	SJ	4,26	19.8, 1.1	10 11
REGISTERED CIVIL ENGINEER DATE 10-21-16 PLANS APPROVAL DATE 12-5-16 REGISTERED PROFESSIONAL ENGINEER DATE 12-5-16 THE STATE OF CALIFORNIA I, the undersigned, being a duly licensed and registered Professional Engineer, do hereby certify that the above is a true and correct copy of the plans shown.				

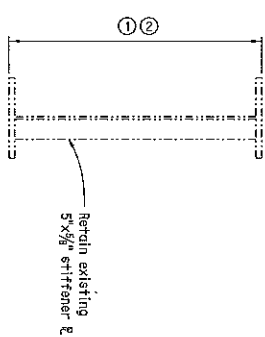
INTERMEDIATE DIAPHRAGM DETAIL
NO SCALE

Heat straighten the intermediate diaphragms that are damaged. The exact locations will be verified by the Engineer.



STIFFENER DETAIL
NO SCALE

Heat straighten the stiffeners that are damaged. The exact locations will be verified by the Engineer.

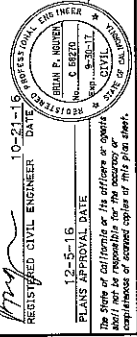


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

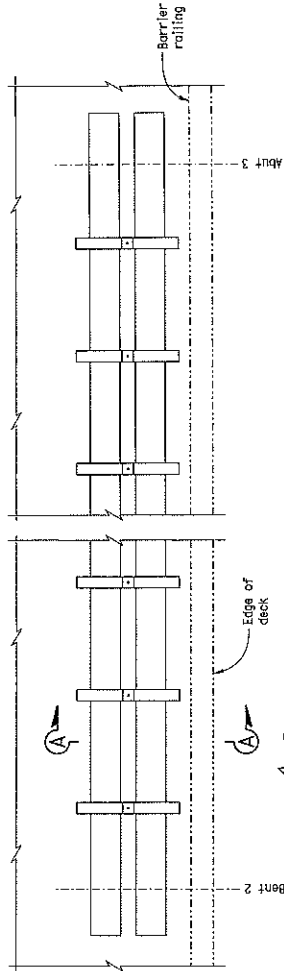
FARMINGTON ROAD OVERCROSSING
GIRDER LAYOUT NO. 2

DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
10	SJ	4,26	19.8, 1.1	11 11



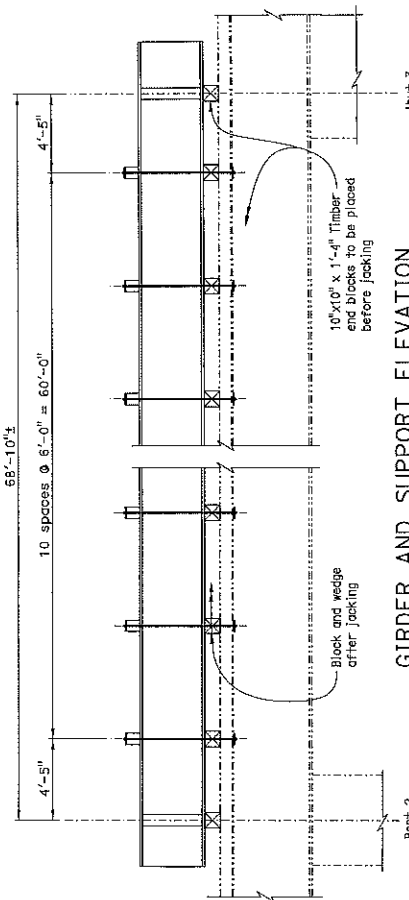
NOTES: (APPLY TO THIS SHEET ONLY)

- Temporary support steel beam.
Each beam min 75' long W beam with
min S req = 300 in², Min F_y = 36 ksi.
Fill 1% cored holes with grout
(total 11).
Tighten 3/4" H.S. rods to cause an
upward deflection of 1/4" in the damaged
girder @ the center of Span 2.



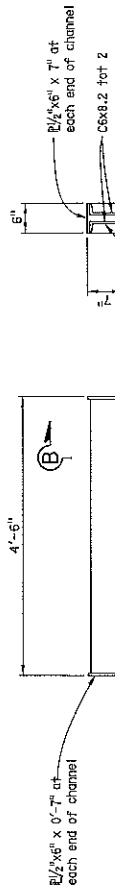
GIRDER AND SUPPORT PLAN

3/8" = 1'-0"



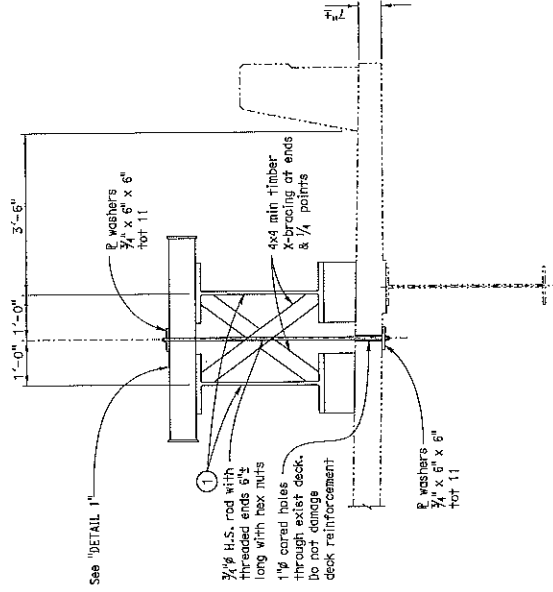
GIRDER AND SUPPORT ELEVATION

3/8" = 1'-0"



DETAIL 1

1" = 1'-0"



SECTION A-A

3/4" = 1'-0"

STRUCTURES MAINTENANCE DETAIL SHEET (CONSULTANT SHEET, 09-01-16)				FILE # 10-10884-02 (TEMP-MAN) 10-10884				CONTRACT NO. 10-10884				ELECTRIC POINT BEARING				SHEET 5			
DIVISION OF MAINTENANCE				BRIDGE NO.				ROUTE 26/99 SEPARATION				TEMPORARY SUPPORT DETAILS				SHEET 5			
STATE OF CALIFORNIA				28-0142				PROJECT NO. 19.75				DATE 10-21-16				SHEET 5			
DEPARTMENT OF TRANSPORTATION				J. Rodi				J. Rodi				J. Rodi				J. Rodi			
FOR REVISIONS				E. Nguyen				M. Halstrom				B. Nguyen				B. Nguyen			
DETAILS				QUANTITIES				QUANTITIES				QUANTITIES				QUANTITIES			

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD-RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
 - a. The County of San Joaquin Public Works Department
 - b. The County of San Joaquin Sheriff's Office
 - c. The local postal service
 - d. The local fire district
 - e. The local school district
 - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints within County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1.06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2") maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

1. SUPERVISION: The utility company (permittee) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. START OF WORK: No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. CLEAN PAVEMENT: Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. DAILY RESTORATION: Private driveways and road intersections shall be restored daily.
5. WEATHER-TIGHT CONDITIONS: All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.