DIST.	COUNTY	ROUTE	POST MILES--TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15			

BRIDGE ENGINEER _____ REGISTERED CIVIL ENGINEER NO. 9985

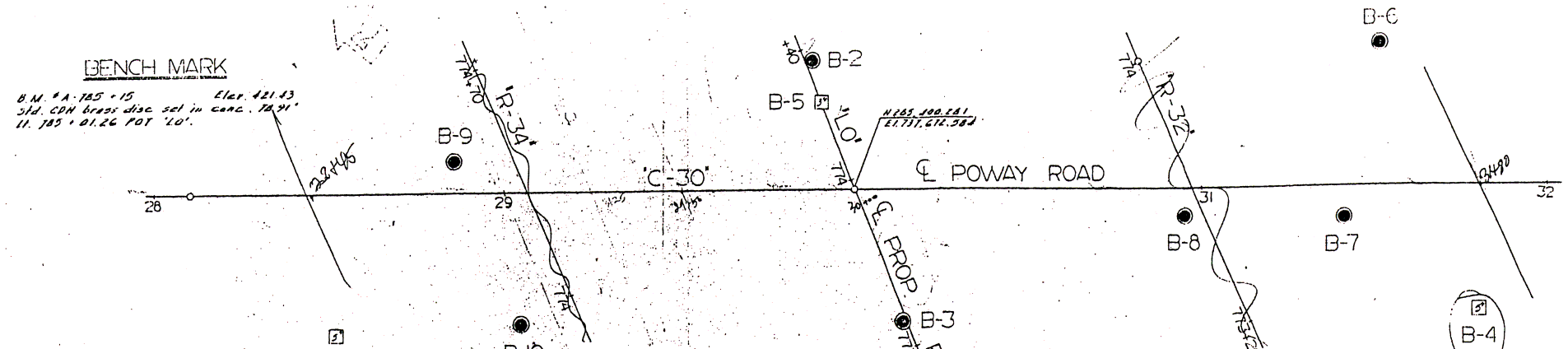
DATE APPROVED _____

BENCH MARK

B.M. # A-185 + 15 Elev. 421.43
Std. CDH brass disc. set in conc. 78.91'
11.185 + 81.26 POT "LO".

PLAN

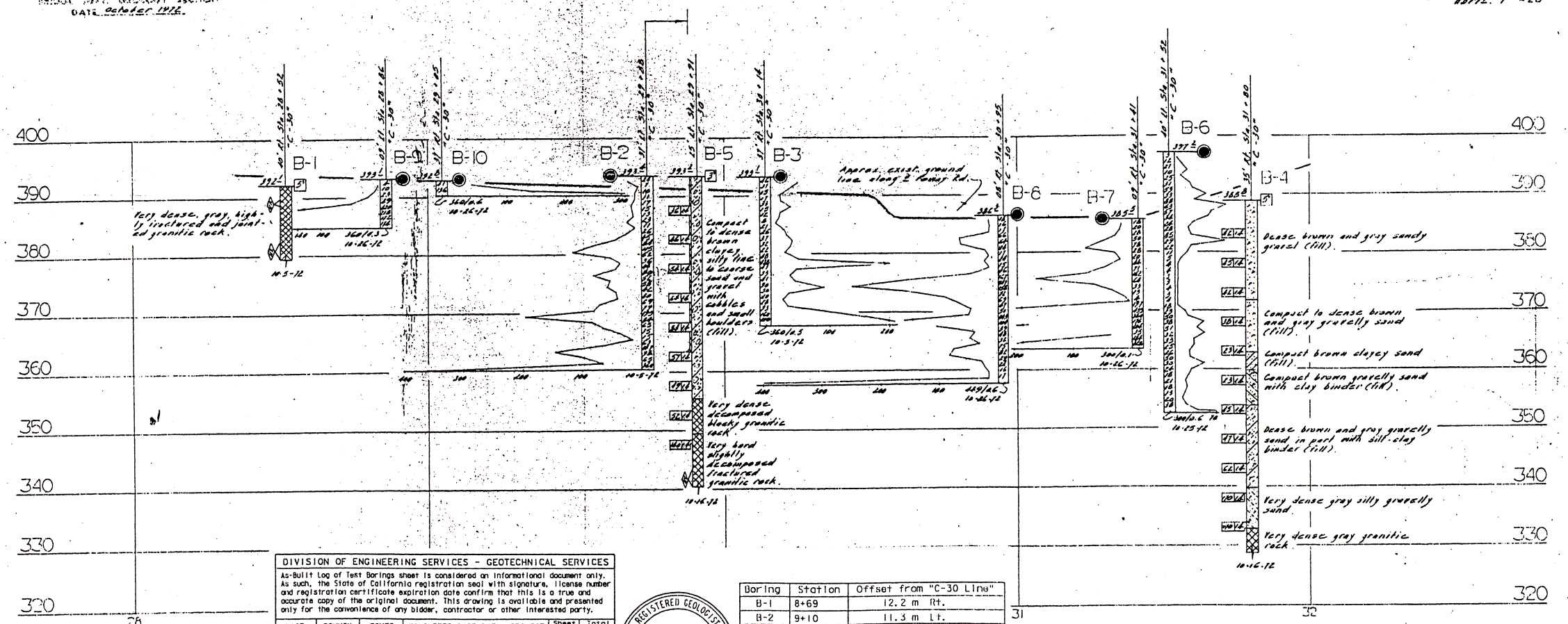
Scale: 1" = 20'



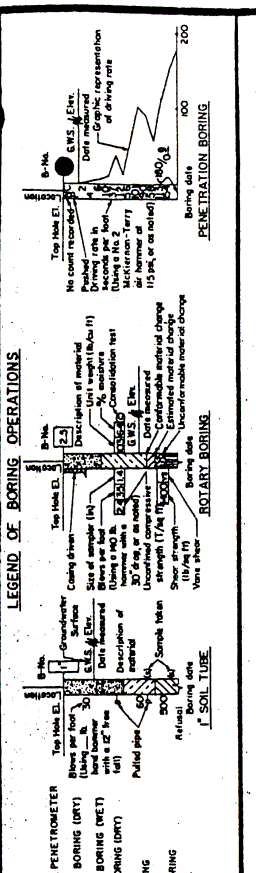
NO GROUND WATER ENCOUNTERED DURING THIS INVESTIGATION AT BRIDGE PORT. CONCRETE SECTION
DATE October 1972.

PROFILE

Scale: Vert. 1" = 10'
Horiz. 1" = 20'



LEGEND OF BORING OPERATIONS



CONSISTENCY CLASSIFICATION FOR SOILS

According to the Standard Penetration Test

No. of blows	Granular	Cohesive
0-5	Very loose	Very soft
5-10	Very loose	Very soft
10-20	Slightly compact	Stiff
20-35	Compact	Very stiff
35-70	Dense	Hard
>70	Very dense	Very hard

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

LEGEND OF EARTH MATERIALS

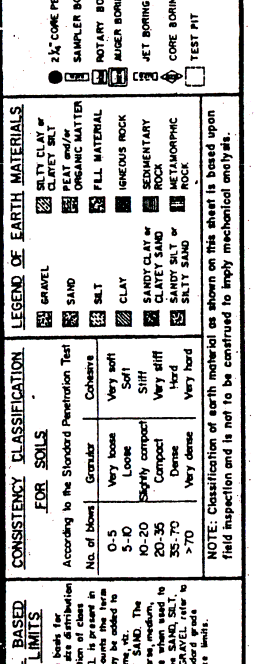
GRAVEL; SAND; SILT; CLAY; SILTY CLAY w/ PLASTIC SILT; PEAT and/or ORGANIC MATTER; FILL MATERIAL; IGNEOUS ROCK; SANDY CLAY w/ PLASTIC SAND; SANDY SILT or SILTY SAND; SEDIMENTARY ROCK; METAMORPHIC ROCK

2½" CORE PENETROMETER; SAMPLER BORING (DRY); ROTARY BORING (WET); AUGER BORING (DRY); ROTARY BORING; JET BORING; CORE BORING; TEST PIT

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS

Diagram at right is provided to illustrate limits of grain size classification used in determination of class names. Where the percentage of any fraction exceeds the 10% limit, the term GRAVELLY may be added to the class name.

The terms coarse, medium, and fine may be added to describe SAND, SILT, and GRAVEL, refer to size limits.



DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES

As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

DIST.	COUNTY	ROUTE	KILOMETER POST-TOTAL PROJECT	Sheet No.	Total Sheets
11	SD	15			

REGISTERED GEOLOGIST _____ DATE _____

POWAY ROAD OC RETAINING WALL
LOG OF TEST BORINGS 1 OF 2

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

CU: 11
EA: 232601

BRIDGE No. 57-retw

Sheet ___ of ___

Revisions made to this Log of Test Borings from the original 1972 Log of Test Borings are the addition of the following table and notes:

REGISTERED GEOLOGIST
Mark A. Richards
No. 5240
Exp. 7-31-04
REGISTERED GEOLOGIST
STATE OF CALIFORNIA

Boring	Station	Offset from "C-30 Line"
B-1	8+69	12.2 m Rt.
B-2	9+10	11.3 m Lt.
B-3	9+18	11.3 m Rt.
B-4	9+69	10.7 m Rt.
B-5	9+11	7.7 m Lt.
B-6	9+60	12.2 m Lt.
B-7	9+57	2.7 m Rt.
B-8	9+43	2.4 m Rt.
B-9	8+79	2.7 m Lt.
B-10	8+85	11.3 m Rt.

Note:
See the General Plan and/or Foundation Plan for Metric Stationing.

BRIDGE DEPARTMENT
ENGINEERING GEOLOGY SECTION

FIELD STUDY	by O. MIKES	10-26-12
DRAWN	by J. LUM	11-5-12
CHECKED	by L. RAND	11-10-12

Approval Recommended by _____ Engineering Geologist

Certified Engineering Geologist No. _____

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
GEOLOGY

POWAY ROAD OVERCROSSING
LOG OF TEST BORINGS

BRIDGE NO. 57-895 | POST MILE 18.1 | DRAWING NO. | SHEET ___ OF ___

REVISION DATES (PRELIMINARY STAGE ONLY)

WO 105611
CU 11208

Disregard prints bearing earlier revision dates →

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15			

ENGINEERING GEOLOGIST _____ CERTIFIED ENGINEERING GEOLOGIST NUMBER _____

DATE APPROVED _____

BENCH MARKS

B.M # A- 785+15 Elev. 421.43
Std. CDH brass disc set in conc.
78.91 ft lt Sta. 785+01.26
P.O.T. "LO".

P.M. R.P.# 1 Elev. 392.92
2"X 2" Hub with finishing nail
68.54 ft to CTR column Bent# 2.

B.M.R.P.# 2 Elev 391.17
2"x 2" Hub with finishing nail
49.25 ft to CTR column Bent # 2

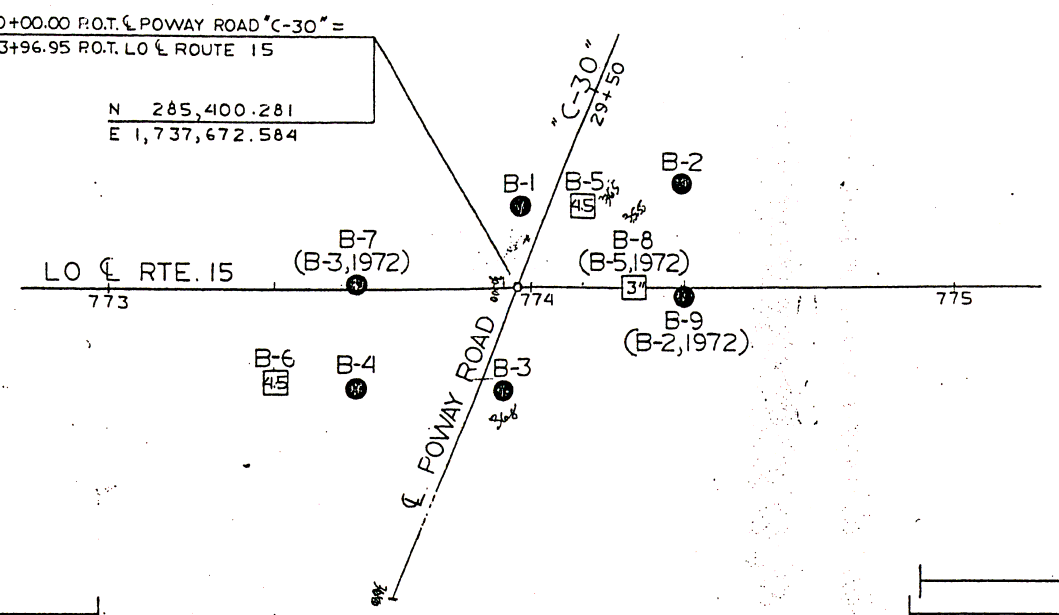
NO GROUND WATER ENCOUNTERED DURING THIS INVESTIGATION. BY CALTRANS LABORATORY ENGINEERING GEOLOGY AND TECHNICAL SERVICES BRANCH 10-72
DATE 5-89

NOTE:

Contractor encountered ground water in his pile boring 25 ft Rt Sta 774+26 ℄ Rte. 15 at approx. elevation 365 ±

STA. 30+00.00 P.O.T. ℄ POWAY ROAD "C-30" =
STA.773+96.95 P.O.T. LO ℄ ROUTE 15

N 285,400.281
E 1,737,672.584



PLAN
1" = 20'

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES

As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

DIST.	COUNTY	ROUTE	KILOMETER POST-TOTAL PROJECT	Sheet No.	Total Sheets
11	SD	15			

REGISTERED GEOLOGIST 4-1-04

REGISTERED GEOLOGIST
Mark A. Richards
No. 5240
Exp. 7-31-04
STATE OF CALIFORNIA

POWAY ROAD OC RETAINING WALL
LOG OF TEST BORINGS 2 OF 2

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

CU# 11 EA# 2326U1

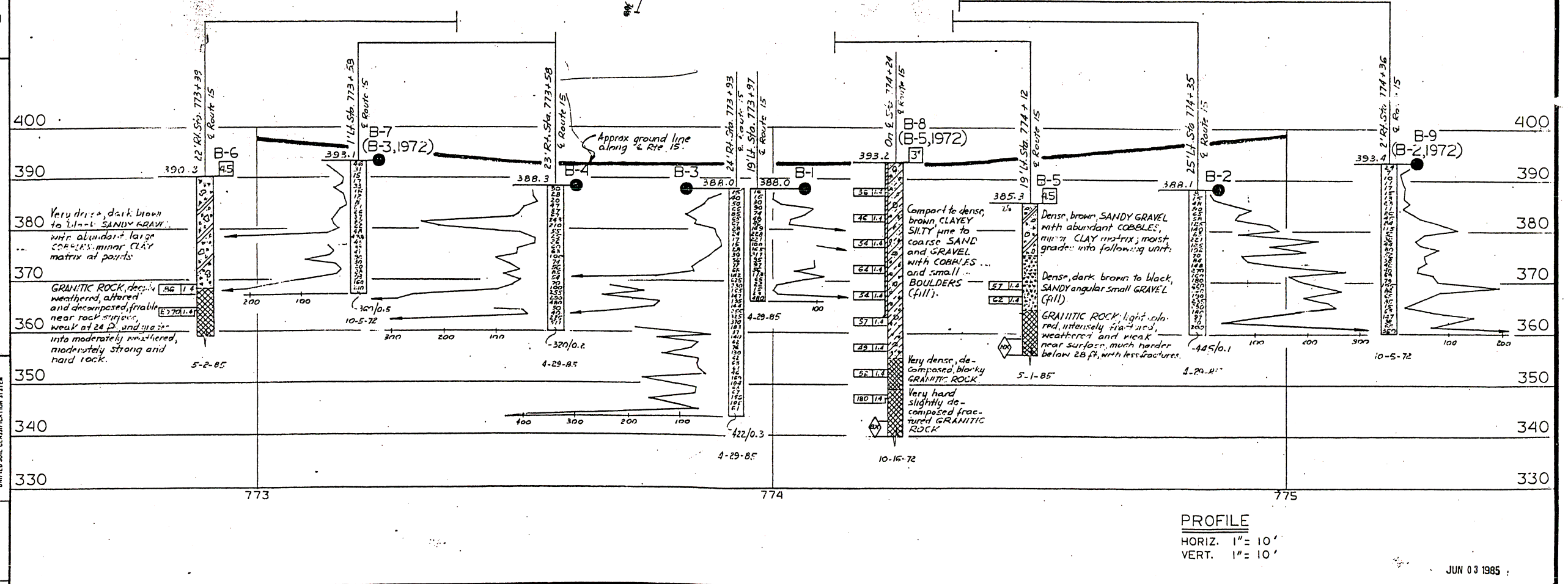
BRIDGE No. 57-ratw

Sheet ___ of ___

Revisions made to this Log of Test Borings from the original 1985 Log of Test Borings are the addition of the following table and notes:

Boring	Station	Offset from C/L Rte. 15
B-1	304+16.1	5.8 m Lt.
B-2	304+27.7	7.6 m Lt.
B-3	304+14.9	7.3 m Rt.
B-4	304+04.3	7.0 m Rt.
B-5	304+20.7	5.8 m Lt.
B-6	303+98.5	6.7 m Rt.

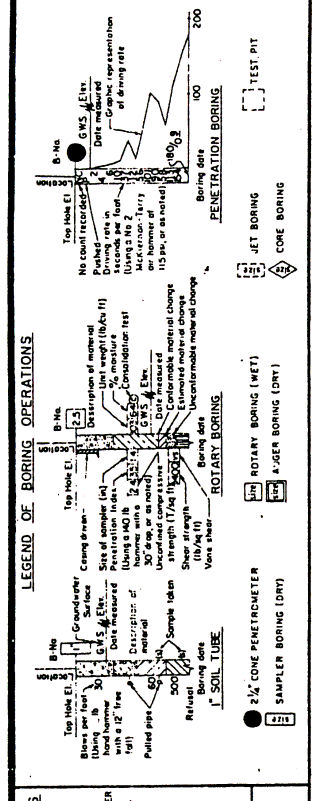
Note:
-See the General Plan and/or Foundation Plan for Metric Stationing.



PROFILE
HORIZ. 1" = 10'
VERT. 1" = 10'

JUN 03 1985

LEGEND OF BORING OPERATIONS



LEGEND OF EARTH MATERIALS

GRAVEL · SILTY CLAY or CLAYEY SILT · PEAT and ORGANIC MATTER · FILL MATERIAL · SAND · SILT · CLAY · IGNEOUS ROCK · SEDIMENTARY ROCK · METAMORPHIC ROCK · SANDY CLAY or CLAYEY SAND · SANDY SILT or SILTY SAND

CONSISTENCY CLASSIFICATION FOR SOILS

According to the Standard Penetration Test

Penetration Index (Blows/Ft)	Granular	Cohesive
0 - 5	Very loose	Very soft
5 - 10	Loose	Soft
10 - 20	Slightly compact	Firm
20 - 35	Compact	Very stiff
35 - 70	Dense	Hard
70	Very dense	Very hard

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions	Letter Symbol	Typical Names	Laboratory Classification Criteria
Coarse-grained Soils: Gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	
	GP	Poorly graded gravels, gravel-sand mixtures, little or no fines	
	GM	Silty gravels, gravel-sand-silt mixtures	
	GC	Clayey gravels, gravel-sand-clay mixtures	
Sands	SW	Well-graded sands, gravelly sands, little or no fines	
	SP	Poorly graded sands, gravelly sands, little or no fines	
	SM	Silty sands, sand-silt mixtures	
	SC	Clayey sands, sand-clay mixtures	
Fine-grained Soils: Silts and Clays (Liquid limit less than 50)	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands with slight plasticity	
	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
	OL	Organic silts and organic silty clays of low plasticity	
Silts and Clays (Liquid limit greater than 50)	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	
	CH	Inorganic clays of high plasticity, fat clays	
	OH	Organic clays of medium to high plasticity, organic silts	
Highly Organic Soils	Pt	Peat and other highly organic soils	

ENGINEERING GEOLOGY AND TECHNICAL SERVICES BRANCH — TRANSPORTATION LABORATORY

DRAWN BY	VICTOR SESTOKAS, 5-14-85	Approved Recommended By	CHARGE UNIT	EXPEND. AUTHOR	SPEC. DESIGN.
CHECKED BY		PROJECT GEOLOGIST C.E.G. NO. / ENGINEERING GEOLOGIST C.E.G. NO. 732	11502	1895541	4570895

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

State of CALIFORNIA
DEPARTMENT OF TRANSPORTATION

STRUCTURES - DESIGN

PROJECT ENGINEER REGISTERED CIVIL ENGINEER NO.

CU 1150.2
WO 189554

Disregard prints bearing earlier revision dates →

BRIDGE NO. 57-0895
POST MILE M 18.1

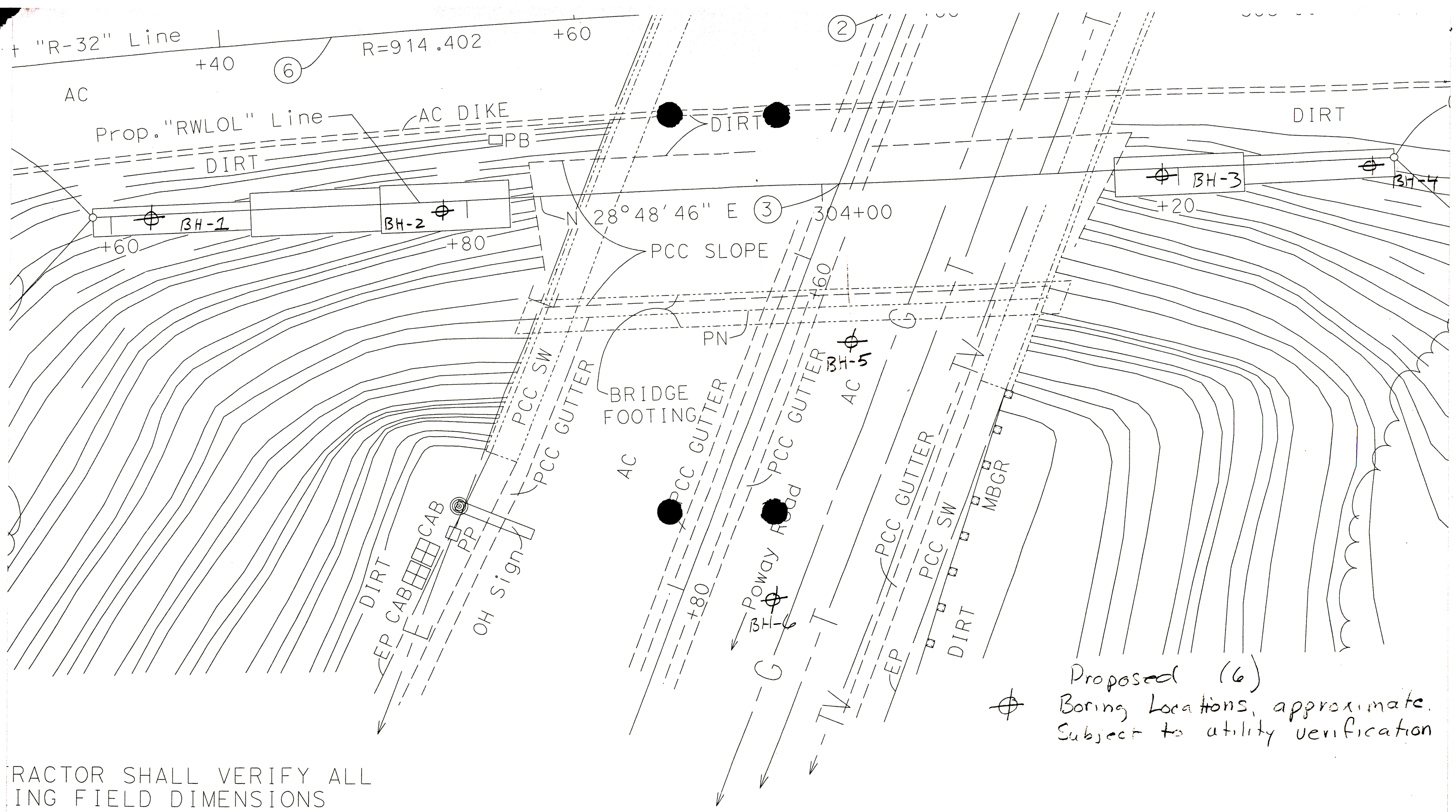
POWAY ROAD OVERCROSSING (MODIFY)
LOG OF TEST BORINGS

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET ___ OF ___

5

01 8148



RACTOR SHALL VERIFY ALL
ING FIELD DIMENSIONS
RDERING OR FABRICATING
RIAL.

ATION SECTION					
2/30/97					
	DRAFTED	BY V.PHAM 01/16/03			
	CHECKED	BY S.ALIVIO 01/16/03			
	DESIGN	BY T. Campbell	CHECKED M. Amorsolo		
	DETAILS	BY	CHECKED		
	QUANTITIES	BY T. Campbell	CHECKED M. Amorsolo		

STATE O
CALIFOF
DEPARTMENT OF TRAN

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