

INDEX OF SHEETS

STATE OF VERMONT DEPARTMENT OF HIGHWAYS



PROPOSED IMPROVEMENT

BRIDGE PROJECT
TOWN OF TUNBRIDGE

ROUTE No. VT. 110 BRIDGE No. 7

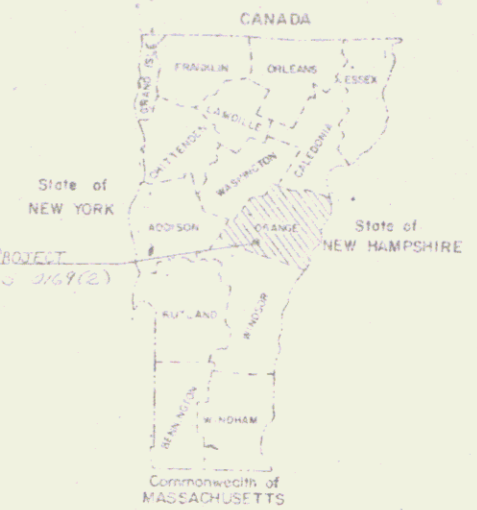
GENERAL NOTES:

PROJECT LOCATION ON VT. RTE. 110, BEGINS AT A POINT APPROXIMATELY 0.25 MILES SOUTHERLY OF THE INTERSECTION OF VT. RTE. 110 AND T.H.#7, AND EXTENDS NORTHERLY 0.25 MILES ALONG VT. RTE. 110.
PROJECT DESIGN: REMOVAL OF EXISTING STRUCTURE, CONSTRUCTION OF A NEW RAMMED CONCRETE SLAB BRIDGE, HIGHWAY APPROACHES, AND RELATED CHANNEL WORK.

LENGTH OF R.O.W. PROJECT: **600.0** FEET



LOCATION MAP
SCALE 1"=1 MILE



R.O.W. PLANS

BEGIN R.O.W. PROJECT
TQS 0169(2) STA. 332+00

END R.O.W. PROJECT
TQS 0169(2) STA. 338+00

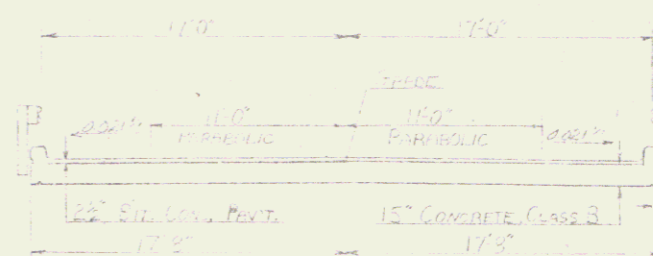


CONVENTIONAL SIGNS

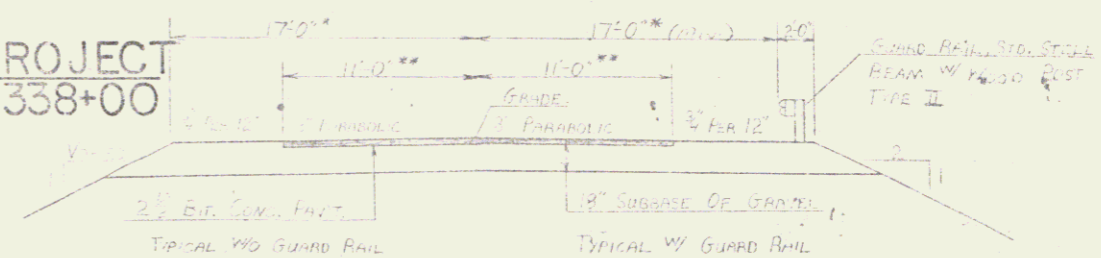
COUNTY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---
POINT OF ACCESS	---
FENCE LINE	---
STONE WALL	---
TRAVELLED WAY	---
GUARD RAIL	---
RAILROAD	---
SURVEY LINE	---
CONCRETE	---
TOWER POLE	○
TELEPHONE POLE	○
TRAIL	○
1/4" (1/2") BENCH MARK	▲
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	---
TOP OF CUT	---
TOE OF SLOPE	---

TRAFFIC DATA
1977 A.D.T. 475
1978 A.D.T. 4020
1979 A.D.T. 150
D=54
F=6

SCALE 1"=100'



SCALE 3/8"=1'-0"
TYPICAL BRIDGE SECTION



SCALE 3/8"=1'-0"
TYPICAL ROADWAY SECTION

HYDRAULIC DATA

CHANNEL WIDTH = 47.5' @ 0.0'
Q @ 0.00 CFS H.W. = 5.6'
Q @ 1.25 CFS H.W. = 7.0'
Q @ 1000 CFS H.W. = 8.0'
Q @ 12000 CFS H.W. = 9.3'
THRESHOLD HT @ 0.0 = 4.2'
CULLET VELOCITY @ Q @ 1000 = 14.3 FPS
TYPE I STONE FILL @ INLET
TYPE III STONE FILL @ OUTLET

* GUARD RAIL AND SHOULDER WIDTH FLARED OUT AT A RATE OF 1 FT. ON 1 FT.
** TRANSITION THE 34 FT. PAVEMENT WIDTH AT THE BRIDGE OUT TO THE NORMAL 22 FT. PAVEMENT WIDTH USING A RATE OF 1 FT. IN 25 FT.
SEE PLAN AND ELEVATION SHEET.

APPROVED BY: [Signature]
DATE: 8-22-78
DIRECTOR OF ENGINEERING & CONSTRUCTION

Pin # 00R060
DEC 21 1981

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of Vt 110
(To Be Returned To R.O.W. Division)
Bridge #7

APPROVED: [Signature]
DATE: 8-22-78
PROJECT: TQS 0169(2)

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	
1	DURKEE, ROBERT B. JR., DURKEE, FRANK P. & COOLEY, NANCY DURKEE	3	332+00 LT.	334+23 LT.	.10 A±		SLOPE (T) (30 S.F.±) SLOPE (T) (35 S.F.±) CONST. EASE. (T) (0.03 A±)	WDOE OPTION	5-2-79 3-27-79	TUNBRIDGE TUNBRIDGE	36 36	257/8		
			332+95 LT.	333+55 LT.								241/2		
			334+12 LT.	334+25.5 LT.										
			332+38 LT.	334+31 LT.								1,089 S.F.±		
2	GILES, ETTA B.	3	335+34 RT.	337+32.5 RT.	0.07 A±		CONST. EASE. (T) (0.01 A±) CHANNEL (P) (220 S.F.±) CONST. EASE. (T) (240 S.F.±)	WDOE	2-1-79	TUNBRIDGE	36	213	3250 S.F.±	
			335+41 RT.	335+65 RT.								400 S.F.±		
			335+38 RT.	335+56.5 RT.										
			335+77 RT.	336+42 RT.										
3	LONG, DUANE G. & FRANCIS L.	3	334+69 LT.	337+48 LT.	.12 A±		CONST. EASE. (T) (0.04 A±) CHANNEL (P) (0.03 A±)	WDOE	2-1-79	TUNBRIDGE	36	214		
			334+80 LT.	336+80 LT.								1593 S.F.±		
			335+06 LT.	335+38 LT.								1,090 S.F.±		
4	CENTRAL VERMONT PUBLIC SERVICE CORP.												UTILITY	
5	NEW ENGLAND TELEPHONE & TELEGRAPH CO.													UTILITY
6	DYER, DALE A. & DEBRA M.	3	332+00 RT.	335+00 RT.	0.1 A±		CONST. EASE. (T) (242 S.F.±) CONST. EASE. (T) (33 S.F.±)	WDOE	2-5-79	TUNBRIDGE	36	215		
			333+00 RT.	333+88 RT.										
			334+13 RT.	334+35 RT.										
7	GILES, ETTA B. DYER, DALE A. & DEBRA M.	3	335+00 RT.	335+38 RT.	0.01 A±		CONST. EASE. (T) (0.01 A±) CHANNEL (P) (225 S.F.±)	WDOE	2-22-79	TUNBRIDGE	36	227	540 S.F.± 470 S.F.±	
			335+09 RT.	335+44 RT.										
			335+20 RT.	335+41 RT.										

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	213	PARCEL #1 CHANGED TITLE PER C.O.# 4067	10/20/78	R.J.H.	W.S.S.
2	213	SELL-OFF FROM GILES TO DYER DECREASED TAKE FROM PARCEL #2 AND CREATED NEW PARCEL #6. ALSO ADDED DISPUTED PARCEL #7 PER C.O.# 4091	11/7/78	NBB	T.P.M.
3	213	PARCEL #2, GILES, PARCEL #3, LONG, & PARCEL #6 DYER. REVISED GUARD RAIL, CONSTRUCTION LIMITS, & (T) CONSTRUCTION EASEMENTS. PER REVISED DESIGN & C.O.# 4090	11/14/78	R.J.H.	T.P.M.

MADE BY: P.J.H. DATE: 8/15/78
CHECKED BY: W.E.B. DATE: 8/15/78

DR RT - DRAINAGE RIGHT
DIT RT - DITCHING RIGHT
CH RT - CHANNEL RIGHT
DRIVE RT - DRIVE RIGHT
CLL RT - CULVERT RIGHT
ⓓ - DEMOLITION OR REMOVAL
Ⓜ - WATER SOURCES

PRESENT R.O.W.
- - - - - TAKING WITHOUT ACCESS
- - - - - TAKING WITHOUT ACCESS ALONG PROPERTY LINES
- - - - - TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
- - - - - CONST. EASE
- - - - - CONST. EASEMENT
SR - SR - SLOPE RIGHTS
P - P - PROPERTY LINE
- Δ - Δ - TOP OF CUT
- O - O - TOE OF SLOPE

APPROVED: *Thomas P. Moyle* DATE: 8-22-78
CHIEF OF PLANS & FILES

DEC 21 1981

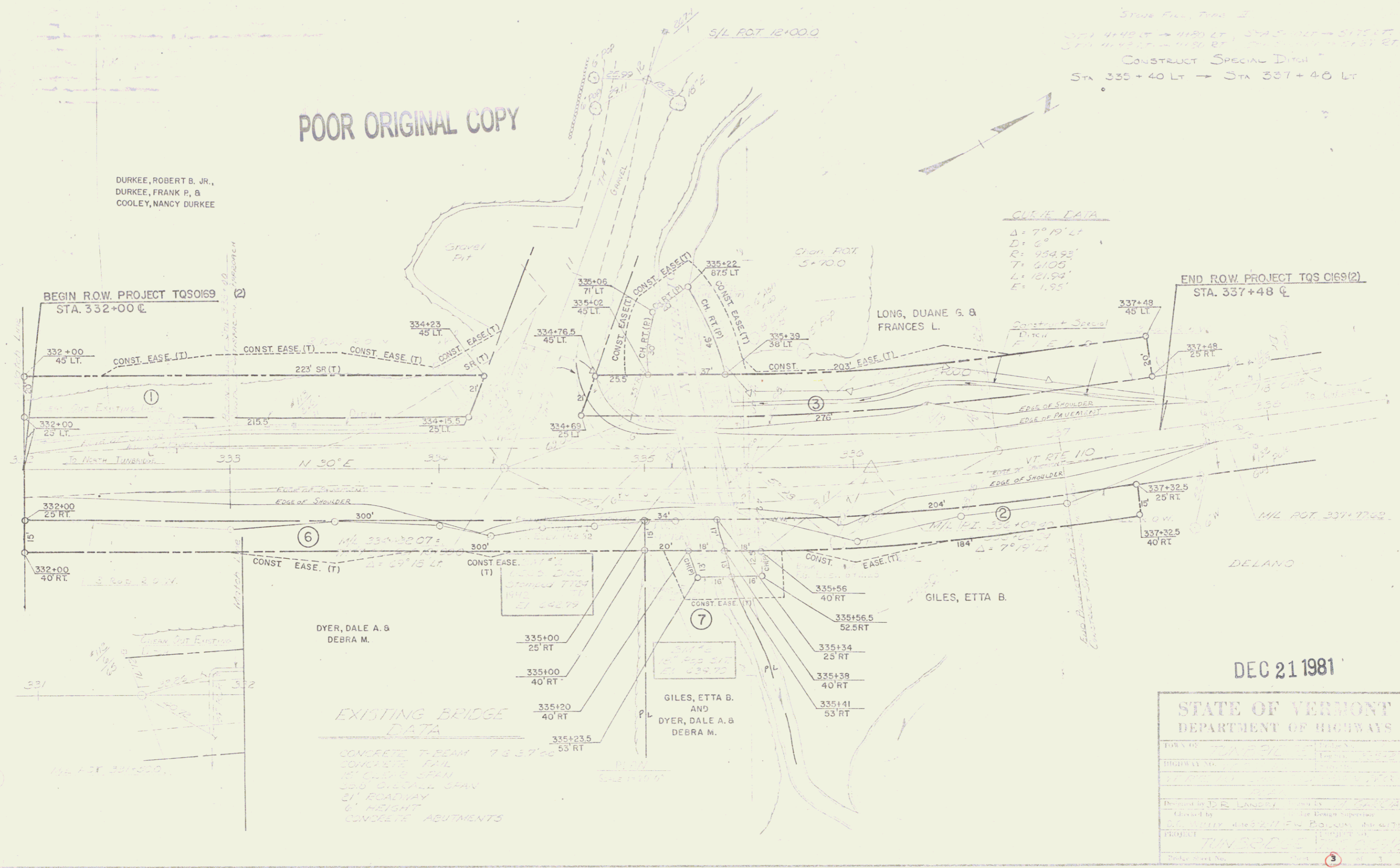
PROJECT: TUNBRIDGE
NO. TQS 0169 (2)
SHEET 2 OF 3

POOR ORIGINAL COPY

DURKEE, ROBERT B. JR.,
DURKEE, FRANK P., &
COOLEY, NANCY DURKEE

STAKE FULL TIME I
STA 4140 LT → 4180 LT, STA 5100 LT → 5150 LT
STA 4140 RT → 4180 RT, STA 5100 RT → 5150 RT
CONSTRUCT SPECIAL DITCH
STA 335+40 LT → STA 337+40 LT

CURVE DATA
Δ = 7° 19' 14"
D = 6°
R = 954.95'
T = 41.05'
L = 161.94'
E = 1.95'



EXISTING BRIDGE DATA

CONCRETE T-BEAM 7.5 37' 00"
CONCRETE PAVL
15' CURB SPAN
300' OVERALL SPAN
21' ROADWAY
6' HEIGHT
CONCRETE ABUTMENTS

DEC 21 1981

STATE OF VERMONT	
DEPARTMENT OF HIGHWAYS	
TOWN OF	DAFFIN
HIGHWAY NO.	100
PROJECT NO.	100-100-100
DESIGNED BY	J. R. LANDRY
CHECKED BY	J. R. LANDRY
DATE	DEC 21 1981
PROJECT	TUNSDALE
SCALE	AS SHOWN