



VIEW A-A
SCALE: 1/4"=1'-0"

▨ DENOTES REMOVAL

TYPICAL EXISTING PIER REMOVAL
(PIER 1, ABUTMENT 1 SIDE, SHOWN - OTHER PIERS SIMILAR)
SCALE: 1/4"=1'-0"

COLUMN HEIGHT "H"	PIER 1	PIER 2	PIER 3
COLUMNS 1 THRU 6	21'-9"	20'-6"	23'-3"
EXISTING GROUND TO TOP OF FOOTING AVERAGE DIMENSION, "D"	6'	4'	9'

NOTES:

- ALL EXISTING PIER CAPS AND COLUMNS SHALL BE REMOVED TO THE TOP OF FOOTING. EXISTING #8 REINFORCING STEEL THAT EXTENDS FROM THE EXISTING FOOTINGS SHALL BE RETAINED AND CLEANED OF ALL CONCRETE, SCALE, PAINT, OIL AND OTHER FOREIGN SUBSTANCES. ALL PIER REMOVAL WORK SHALL BE PAID UNDER ITEM 523.20, "PARTIAL REMOVAL OF STRUCTURE". SEE SCOPE OF WORK NOTE 10 ON SHEET 1 FOR SUPERSTRUCTURE SHORING REQUIREMENTS.
- EXISTING STREET LIGHTING, CONDUIT AND JUNCTION BOXES ON PIERS 1 AND 3 SHALL BE TEMPORARILY RELOCATED DURING REMOVAL AND RECONSTRUCTION OF THE PIERS. SEE SCOPE OF WORK NOTE 15 ON SHEET 1.
- EXCAVATION REQUIRED TO REMOVE THE SECTIONS OF THE EXISTING PIERS AND RECONSTRUCT PIERS SHALL BE PAID AS ITEM 204.25, "STRUCTURE EXCAVATION".
- DRIVE TEMPORARY SHEET PILING 1' MIN. OUTSIDE THE EDGE OF THE PIER 1 AND PIER 3 FOOTINGS ON THE I-89 SIDE TO AVOID DAMAGE TO THE EXISTING GUARDRAIL AND ROADWAY FROM THE EXCAVATION REQUIRED FOR PIER WORK. IN THE EVENT THAT THE REMOVAL OF GUARDRAIL ADJACENT TO THE PIERS IS REQUIRED IN ORDER TO PERFORM THE PIER WORK, THE REMOVAL AND REPLACEMENT OF GUARDRAIL SHALL BE PAID AS ITEM 621.15, "REMOVING AND RESET GUARD RAIL." ITEM 621.90, "TEMPORARY TRAFFIC BARRIER" SHALL BE PLACED AS DIRECTED BY THE ENGINEER TO COMPENSATE FOR REMOVAL OF THE GUARDRAIL. ANOTHER METHOD OF TEMPORARY EXCAVATION SUPPORT MAY BE USED AT THE CONTRACTOR'S OPTION IF APPROVED BY THE ENGINEER. FOR ALL TEMPORARY EXCAVATION SUPPORT METHODS USED, THE CONTRACTOR SHALL SUBMIT DETAILS AND CALCULATIONS PREPARED BY A REGISTERED PROFESSIONAL ENGINEER TO THE STRUCTURES ENGINEER FOR INFORMATION ONLY AT LEAST TWO WEEKS PRIOR TO PERFORMING THE WORK. THE DESIGN LIVE LOAD SHALL BE HS20. ALL COSTS FOR TEMPORARY EXCAVATION SUPPORT AT PIERS 1 AND 3 SHALL BE INCLUDED IN ITEM 505.36, "TEMPORARY STEEL SHEET PILING".
- COLUMN HEIGHTS AND EXISTING GROUND TO TOP OF FOOTING DIMENSIONS SHOWN IN THE TABLE ARE BASED ON EXISTING PLAN INFORMATION AND LIMITED FIELD MEASUREMENTS AND ARE APPROXIMATE.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of SOUTH BURLINGTON	Bridge No. 68
Highway No. U.S. 2	Log Sta.
	Surv. Sta.
U.S. 2 OVER I-89	
EXISTING PIER REMOVAL	
Designed By A. SETAS	Drawn By B.J. MASSE
Checked By T.S. BRYANT Date 1/00	Bridge Design Supervisor C.D. BAKER Date 1/00
PROJECT SOUTH BURLINGTON	PROJECT NO. IM DECK (36)
VHB Cad Drawing No. 50329PREM	Date 1/00
Bridge Sheet No.	Sheet 28 of 75