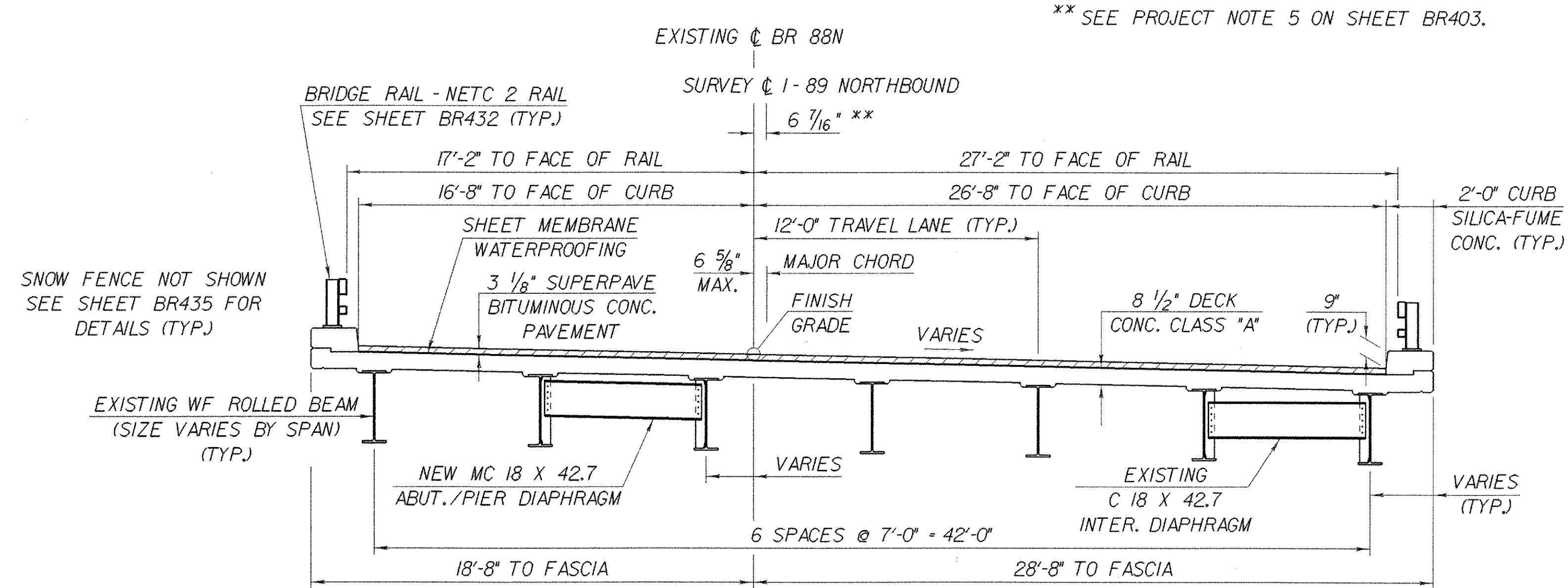


NOTES

- SCOPE OF WORK:** FOR BOTH BRIDGES 88N AND 88S: REMOVE EXISTING CONCRETE DECK AND STEEL BEAM SUPERSTRUCTURE. PERFORM SUBSTRUCTURE CONCRETE REMOVAL AND REPAIR WORK, INCLUDING BRIDGE SEATS AND WINGWALLS, AS SHOWN IN THE DRAWINGS AND AS DIRECTED BY THE RESIDENT ENGINEER. PLACE NEW BEARINGS AT EACH SUBSTRUCTURE UNIT. SPLICE EXISTING STEEL BEAMS TO MAKE CONTINUOUS AT THE PIERS. CONSTRUCT NEW CONCRETE DECK.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 1990, AND ITS LATEST REVISIONS AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 1996, AND ITS LATEST REVISIONS.

** SEE PROJECT NOTE 5 ON SHEET BR403.

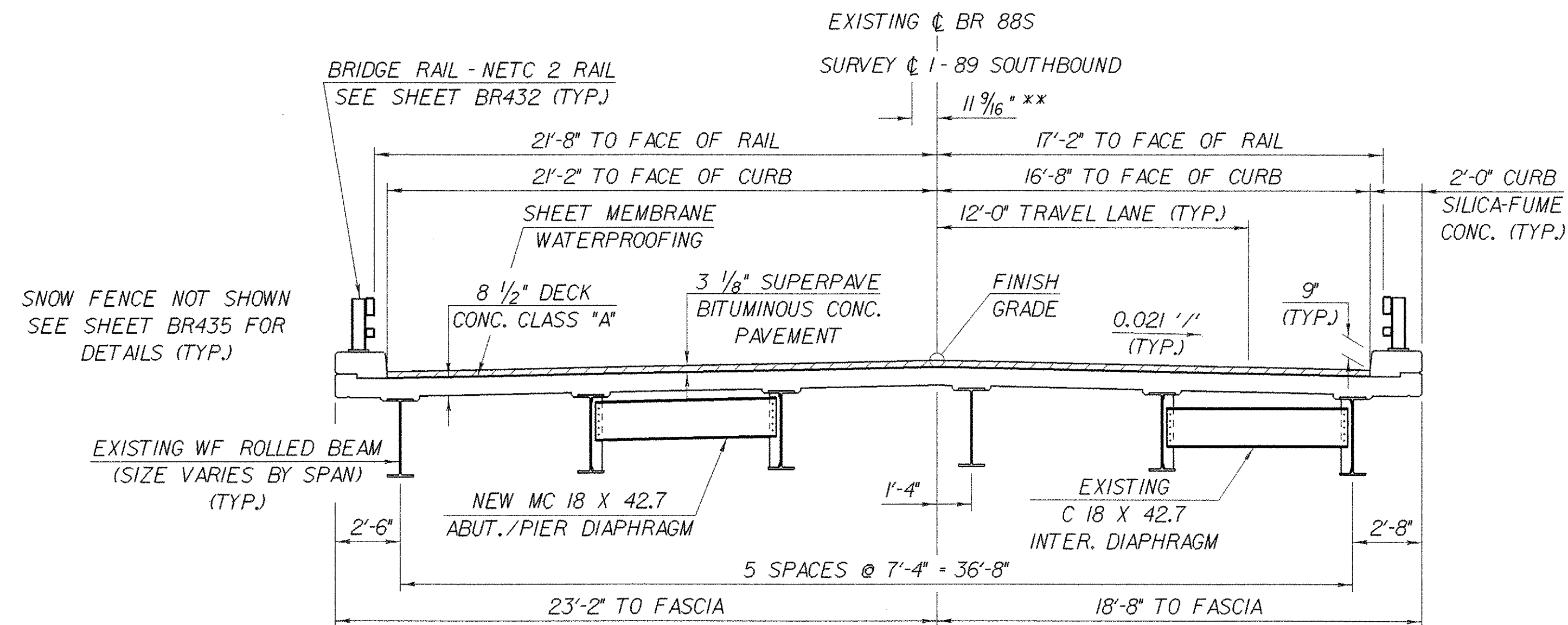


BRIDGE 88N TYPICAL SECTION

SCALE 1/4" = 1'-0"

1 0 2 4 6

** SEE PROJECT NOTE 5 ON SHEET BR403.



BRIDGE 88S TYPICAL SECTION

SCALE 1/4" = 1'-0"

1 0 2 4 6

88 N & S INDEX OF SHEETS

BR400	88 N & S PRELIMINARY INFORMATION SHEET
BR401	88 N & S BRIDGE QUANTITY SHEET
BR402	88 N & S PLAN AND ELEVATION SHEET
BR403	88 N & S PROJECT NOTES
BR404	88 S BRIDGE DECK DETAILS
BR405-407	88 S DECK REINFORCING PLAN
BR408	88 S FRAMING PLAN DETAILS
BR409	88 S STRUCTURAL STEEL CONNECTION DETAILS
BR410	88 S STRUCTURAL STEEL SPLICE DETAILS
BR411	88 N BRIDGE DECK DETAILS
BR412-414	88 N DECK REINFORCING PLAN
BR415	88 N FRAMING PLAN DETAILS
BR416	88 N STRUCTURAL STEEL CONNECTION DETAILS
BR417	88 N STRUCTURAL STEEL SPLICE DETAILS
BR418-420	88 S BEARING DETAILS
BR421-423	88 N BEARING DETAILS
BR424	88 N & S EXPANSION JOINT DETAILS
BR425	88 S EXPANSION JOINT PLAN
BR426	88 N EXPANSION JOINT PLAN
BR427	88 N & S CURB PLATE DETAILS
BR428	88 N & S DOWNSPOUT DETAILS
BR429	88 S APPROACH SLAB DETAILS
BR430	88 N APPROACH SLAB DETAILS

INDEX OF SHEETS (CONT.)

BR431	88 N & S CURB AND RAIL DETAILS
BR432-435	NETC RAIL DETAILS
BR436	88 S ABUTMENT REMOVAL DETAILS
BR437	88 S WINGWALL REMOVAL DETAILS
BR438	88 S PIER REMOVAL DETAILS
BR439	ABUTMENT NO. 5 DETAILS
BR440	ABUTMENT NO. 6 DETAILS
BR441	WINGWALL NOS. 9 - 12 ELEVATIONS
BR442	PIER NO. 1 DETAILS
BR443	PIER NO. 2 DETAILS
BR444	88 N ABUTMENT REMOVAL DETAILS
BR445	88 N WINGWALL REMOVAL DETAILS
BR446	88 N PIER REMOVAL DETAILS
BR447	ABUTMENT NO. 7 DETAILS
BR448	ABUTMENT NO. 8 DETAILS
BR449	WINGWALL NOS. 13 - 16 ELEVATIONS
BR450	PIER NO. 3 DETAILS
BR451	PIER NO. 4 DETAILS
BR452	PIER NOS. 3 & 4 CAP REINFORCING DETAILS
BR453-454	88 N & S REINFORCING STEEL SCHEDULE
BR455-491	88 N & S REFERENCE SHEETS 1-37

* SEE TRAFFIC CONTROL SHEETS

DESIGN CRITERIA:

1. DESIGN LIVE LOAD AASHTO	HS25-44
2. DESIGN SPAN	NB 48 - 69 - 48 SB 53 - 74 - 53
3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL	N/A ON LEDGE N/A
4. ALLOWABLE LOAD FOR PILING	N/A TYPE N/A ESTIMATED LENGTH N/A
5. STRUCTURAL STEEL AASHTO GRADE	SEE PROJECT NOTES
6. REINFORCING STEEL GRADE	60
7. CONCRETE CLASS A	f _c : 4000 PSI
CONCRETE CLASS B	f _c : 3500 PSI
SILICA-FUME CONCRETE	f _c : 5000 PSI

* TRAFFIC MAINTENANCE:

1. IS TRAFFIC TO BE MAINTAINED?	_____ IF YES, ON EXISTING STRUCTURE _____ OR ON TEMPORARY BRIDGE _____
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY	_____ TRAFFIC CONTROL SIGNALS REQUIRED _____
MINIMUM	_____
ARE SIDEWALKS REQUIRED?	_____ IF SO, ON WHAT SIDE? _____

BR 88S LOAD FACTOR LOAD RATING (TONS)								STATE OF VERMONT AGENCY OF TRANSPORTATION			
LOADING LEVELS (LOAD FACTOR)	H	HS	3S2	6 AXLE	TRUCK	3A, STR.	4A, STR.			5A, SEMI	Town Of
INVENTORY A=2.17; B=1.00	22	40								FAIRFAX-FAIRFIELD-ST. ALBANS	88 N&S
POSTED A=1.55; B=1.40	31	56	75			68	69	81		Log Sta.	
OPERATING A=1.30; B=1.67		67	89	85	82	82				Highway No.	1-89
										1-89 OVER ST. ALBANS SOUTH STATE HIGHWAY (EXIT 19)	
BR 88N LOAD FACTOR LOAD RATING (TONS)								88 N & S PRELIMINARY INFORMATION SHEET			
LOADING LEVELS (LOAD FACTOR)	H	HS	3S2	6 AXLE	TRUCK	3A, STR.	4A, STR.			5A, SEMI	Designed By
INVENTORY A=2.17; B=1.00	29	53							M. LOZIER	G. ROY	
POSTED A=1.55; B=1.40	41	74	93			92	92	100	Checked By	Bridge Design Supervisor	
OPERATING A=1.30; B=1.67		89	111	107	110	110			M. LOZIER	R.R. WHITCOMB	
									Date	Date	
									2/00	2/00	
STRENGTH RF = $\frac{0.95 M_N - 1.3 M_{DL}}{A \times M_{LL+1}}$								PROJECT		PROJECT NO.	
SERVICEABILITY RF = $\frac{0.95 F_y S_{LL+1} - M_{DL} S_{3R}}{1.67 M_{LL+1}}$								FAIRFAX-FAIRFIELD-ST. ALBANS		1M 089 - 3 (27)	
NOTE: SERVICEABILITY AT PIERS GOVERNS								L.G.C. Info.		960056Structures\sa056pl3.dgn	
								Bridge Sheet No.		BR400	
										Sheet 152 of 370	