

NOTES

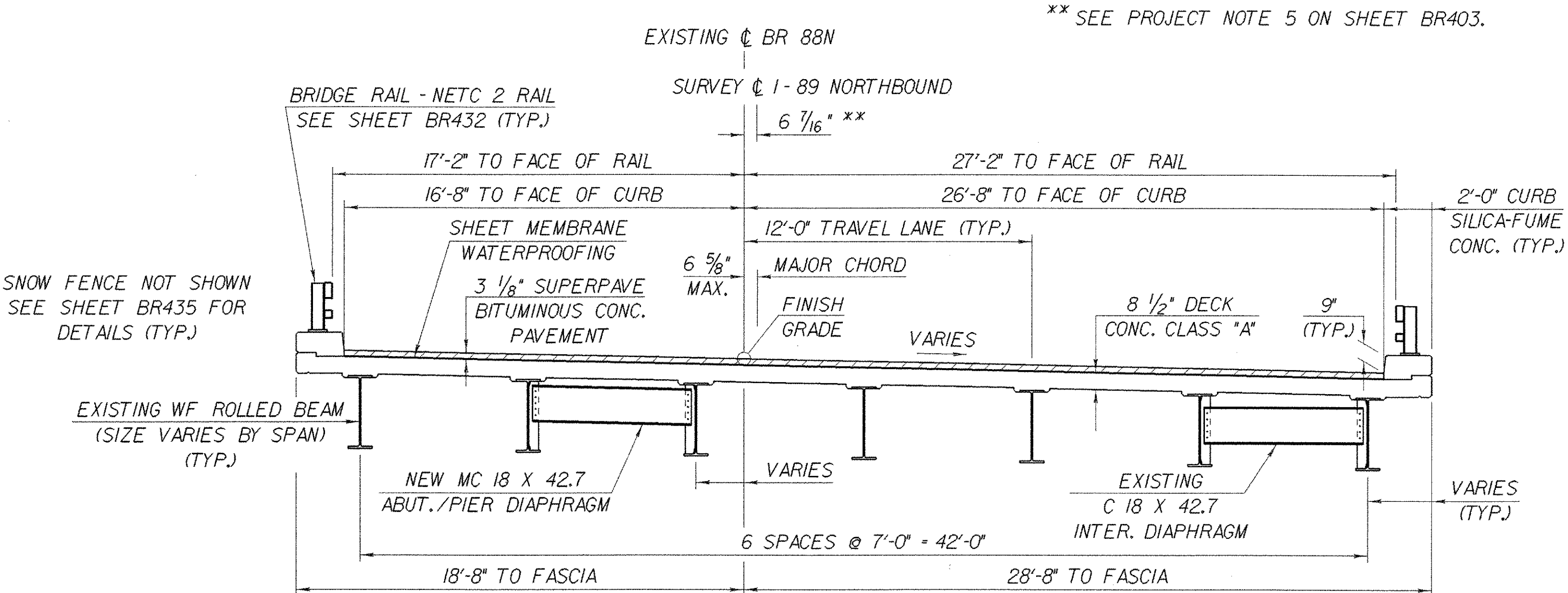
1. **SCOPE OF WORK:** FOR BOTH BRIDGES 88N AND 88S: REMOVE EXISTING CONCRETE DECK AND STEEL BEAM SUPERSTRUCTURE. PERFORM SUBSTRUCTURE CONCRETE REMOVAL AND REPAIR WORK, INCLUDING BRIDGE SEATS AND WINGWALLS, AS SHOWN IN THE DRAWINGS AND AS DIRECTED BY THE RESIDENT ENGINEER. PLACE NEW BEARINGS AT EACH SUBSTRUCTURE UNIT. SPLICE EXISTING STEEL BEAMS TO MAKE CONTINUOUS AT THE PIERS. CONSTRUCT NEW CONCRETE DECK.
2. 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.

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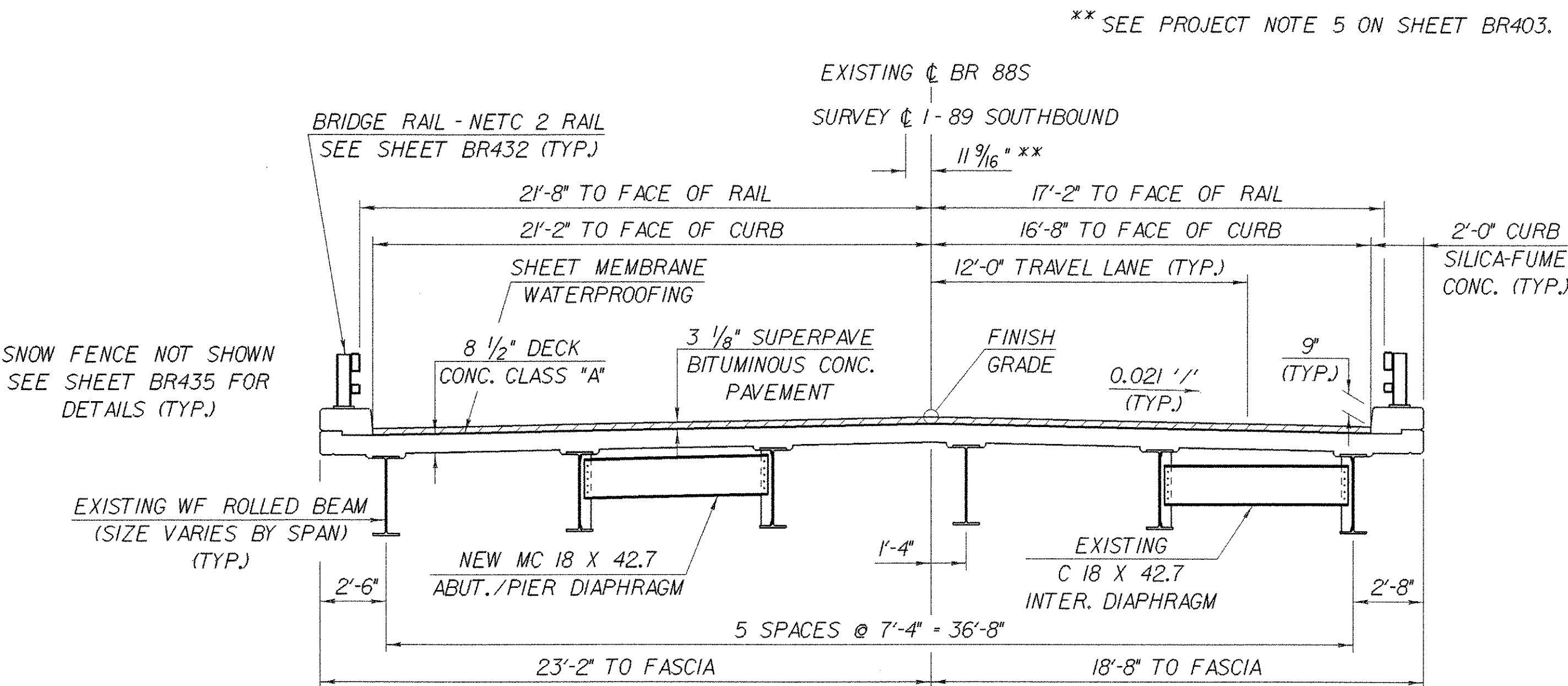
BR431	88 N & S CURB AND RAIL DETAILS
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BR437	88 S WINGWALL REMOVAL DETAILS
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BRIDGE 88N TYPICAL SECTION

SCALE 1/4" = 1'-0"

** SEE PROJECT NOTE 5 ON SHEET BR403.



BRIDGE 88S TYPICAL SECTION

SCALE 1/4" = 1'-0"

** SEE PROJECT NOTE 5 ON SHEET BR403.

* 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)						
LOADING LEVELS (LOAD FACTOR)	H	HS	3S2	6 AXLE	3A. STR.	4A. STR.
INVENTORY A=2.17 B=1.00	22	40				
POSTED A=1.55 B=1.40	31	56	75		68	69
OPERATING A=1.30 B=1.67		67	89	85	82	82
BR 88N LOAD FACTOR LOAD RATING (TONS)						
LOADING LEVELS (LOAD FACTOR)	H	HS	3S2	6 AXLE	3A. STR.	4A. STR.
INVENTORY A=2.17 B=1.00	29	53				
POSTED A=1.55 B=1.40	41	74	93		92	92
OPERATING A=1.30 B=1.67		89	111	107	110	110
STRENGTH RF = $\frac{0.95 F_y S_{LL+1} - M_{DL} S_{LL+1}}{A \times M_{LL+1}}$ SERVICEABILITY RF = B						
NOTE: SERVICEABILITY AT PIERS GOVERNS						

STATE OF VERMONT AGENCY OF TRANSPORTATION	
Town of FAIRFAX-FAIRFIELD-ST. ALBANS	Bridge No. 88 N&S
Highway No. 1-89	Log Sta.
1-89 OVER ST. ALBANS SOUTH STATE HIGHWAY (EXIT 19)	
88 N & S PRELIMINARY INFORMATION SHEET	
Designed By M. LOZIER	Drawn By G. ROY
Checked By Date	Bridge Design Supervisor
M. LOZIER 2/00	R.R. WHITCOMB Date 2/00
PROJECT FAIRFAX-FAIRFIELD-ST. ALBANS	
PROJECT NO. 1M 089 - 3 (27)	
I.G.C. Info. 960056Structures\sa056pl3.dgn	
Bridge Sheet No. BR400	
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