

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Dated MAR 26 1984

Conley Asphalt Paving  
Contractor  
Walter A. Laprade  
Signature  
W. Laprade  
Title



CONTRACT PLANS  
THESE PLANS DO NOT REFLECT  
CHANGES MADE ON THE PROJECT.

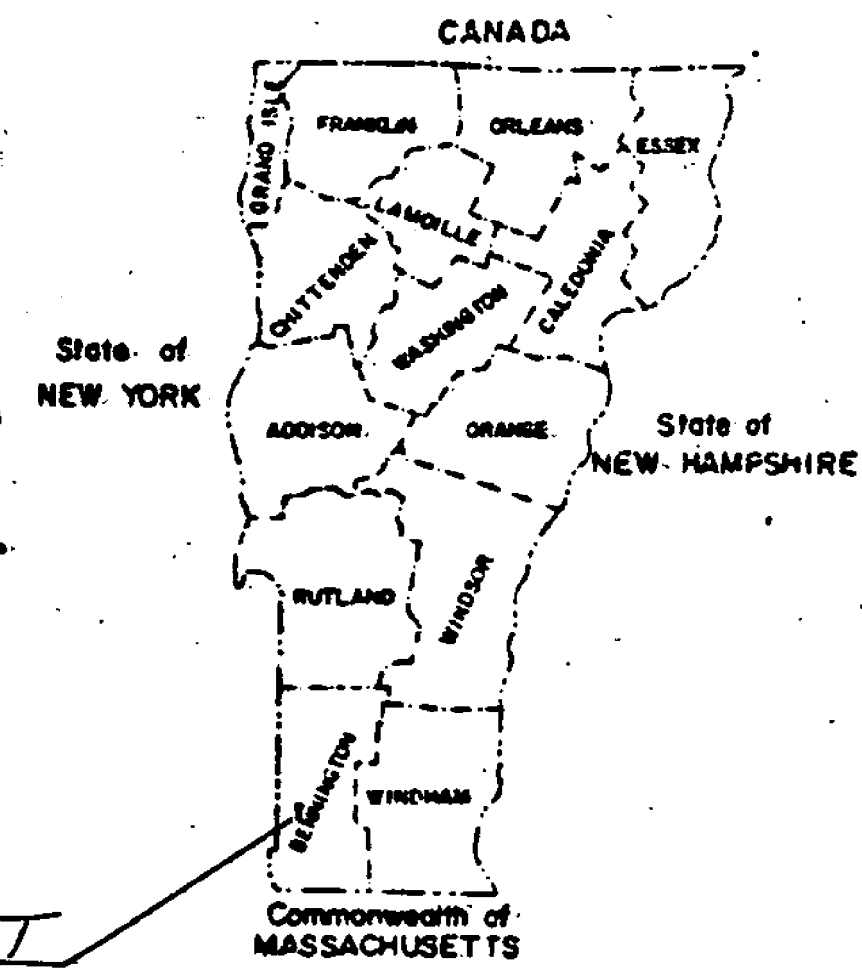
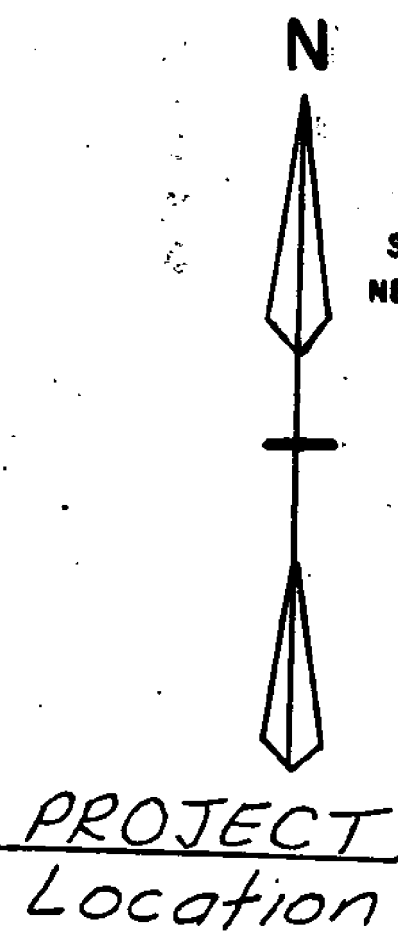
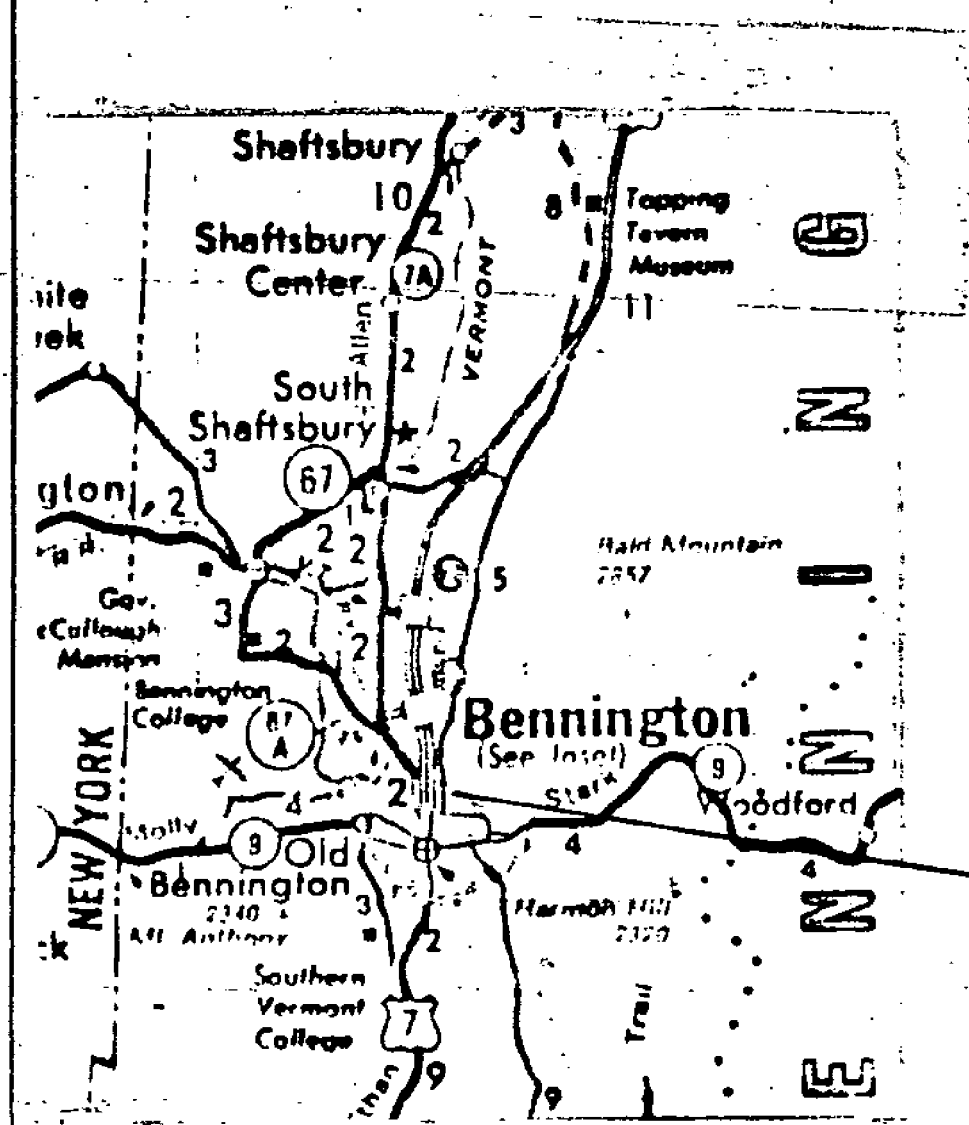
Transportation Secretary's Signature

**PROPOSED IMPROVEMENT**

RESURFACING PROJECT

TOWN OF: BENNINGTON  
COUNTY OF: BENNINGTON  
ROUTE NO: U.S. 7  
ROUTE CLASS: FAP

**PROJECT PROCESSED UNDER  
SECONDARY ROAD PLAN**

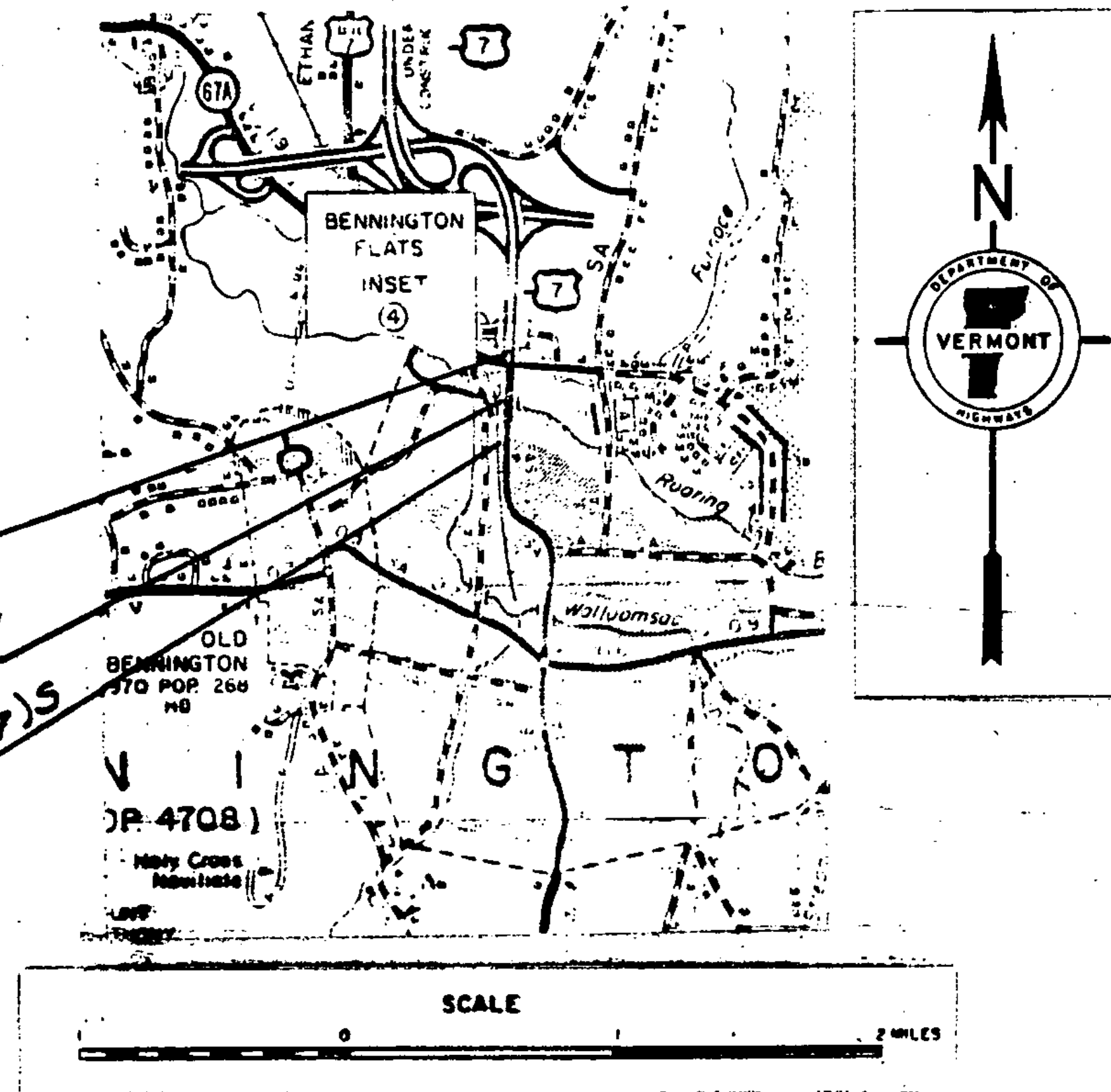
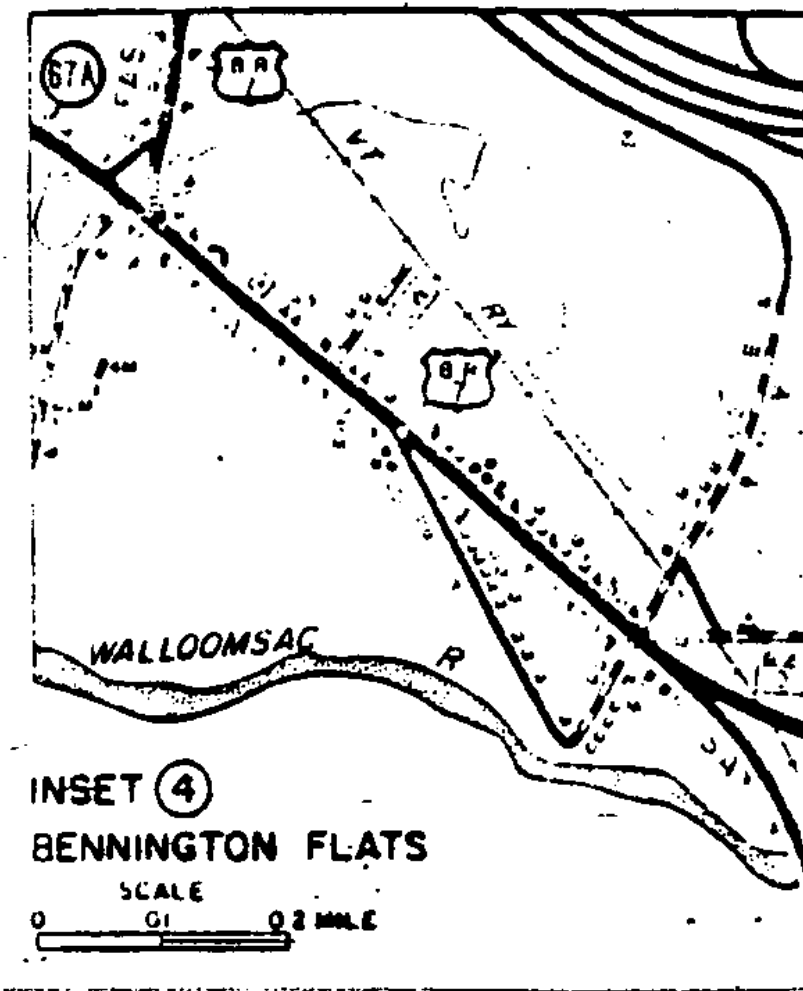


- INDEX OF SHEETS
1. TITLE PAGE
  2. PROJECT DESCRIPTION AND LOCATION
  3. TYPICAL SECTIONS
  4. COLD PLANING AREA DETAILS
  5. PROJECT ITEM QUANTITIES
  - 6-7. LOOP DETECTOR DETAILS
  8. PAVEMENT MARKING DETAILS
  9. STD. SHEET E-4 (03-04-81 R)
  10. STD. SHEET E-6 (04-01-80 R)
  11. STD. SHEET E-8 (11-23-81 R)
  12. STD. SHEET E-36 (08-23-82 R)
  13. STD. SHEET E-50 (03-16-82 R)

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.  
Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on October 27, 1978 for use on this project, including all subsequent revisions and such revised specifications and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <u>S. J. Page</u>	DATE DEC 2, 1983
DIRECTOR OF ENGINEERING AND CONSTRUCTION	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____	DATE _____
DIVISION ADMINISTRATOR	
PROJECT NO. <u>M 1000(7) S</u>	
SHEET 1 OF 13 SHEETS	

# PROJECT DESCRIPTION AND LOCATION



END PROJECT M 1000(7)S  
 MM 4.242  
MM 4.048 BRIDGE #11  
 (DO NOT PAVE)  
BEGIN PROJECT M 1000(7)S  
 MM 3.807

## PROJECT LOCATION

Beginning at a point 3.807 miles northerly of the Pownal - Bennington townline and extending northerly 0.435 miles.

LENGTH OF PROJECT 2296.8 FT = 0.435 MILES

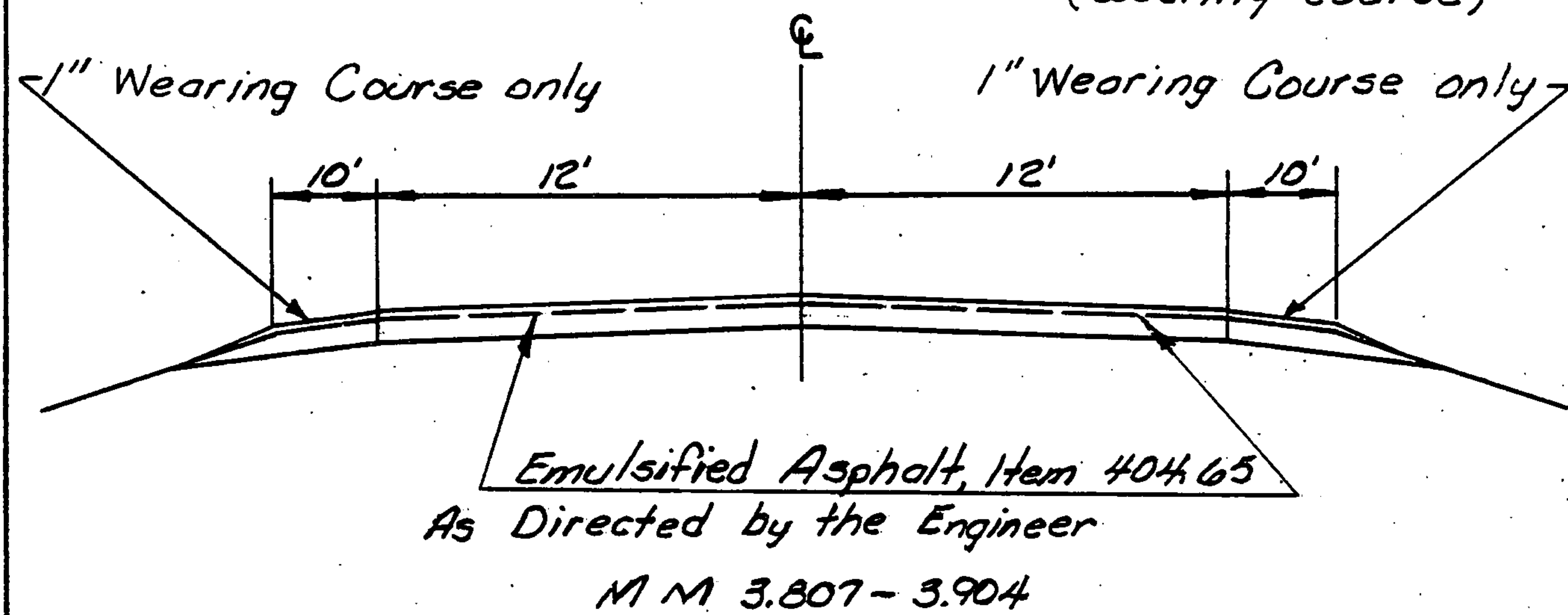
TRAFFIC DATA  
 1982 ADT 12,000

PROJECT BENNINGTON

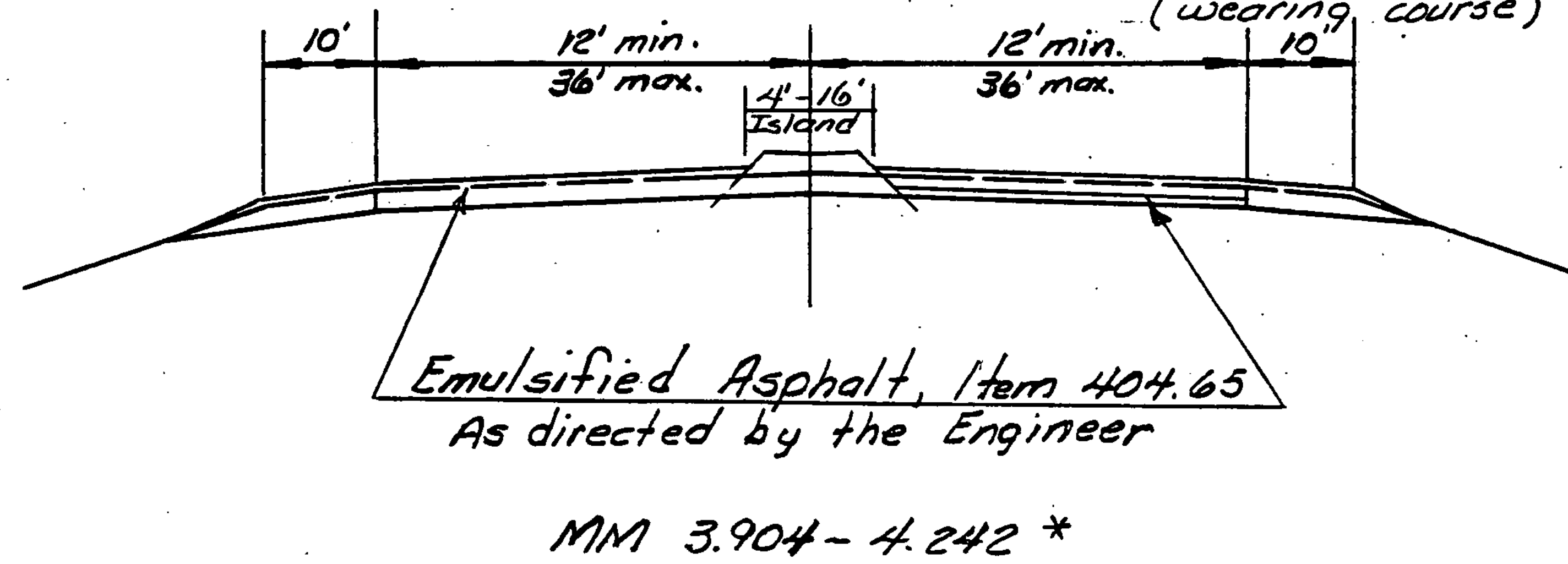
NO. M 1000(7)S  
 SHEET 2 OF 3 SHEETS

# TYPICAL SECTIONS & DESIGN DATA

1/2" Bituminous Concrete Pave., Item 406.25 Type III or Type IV (leveling course)  
 1" Bituminous Concrete Pave., Item 406.25 Type III (wearing course)

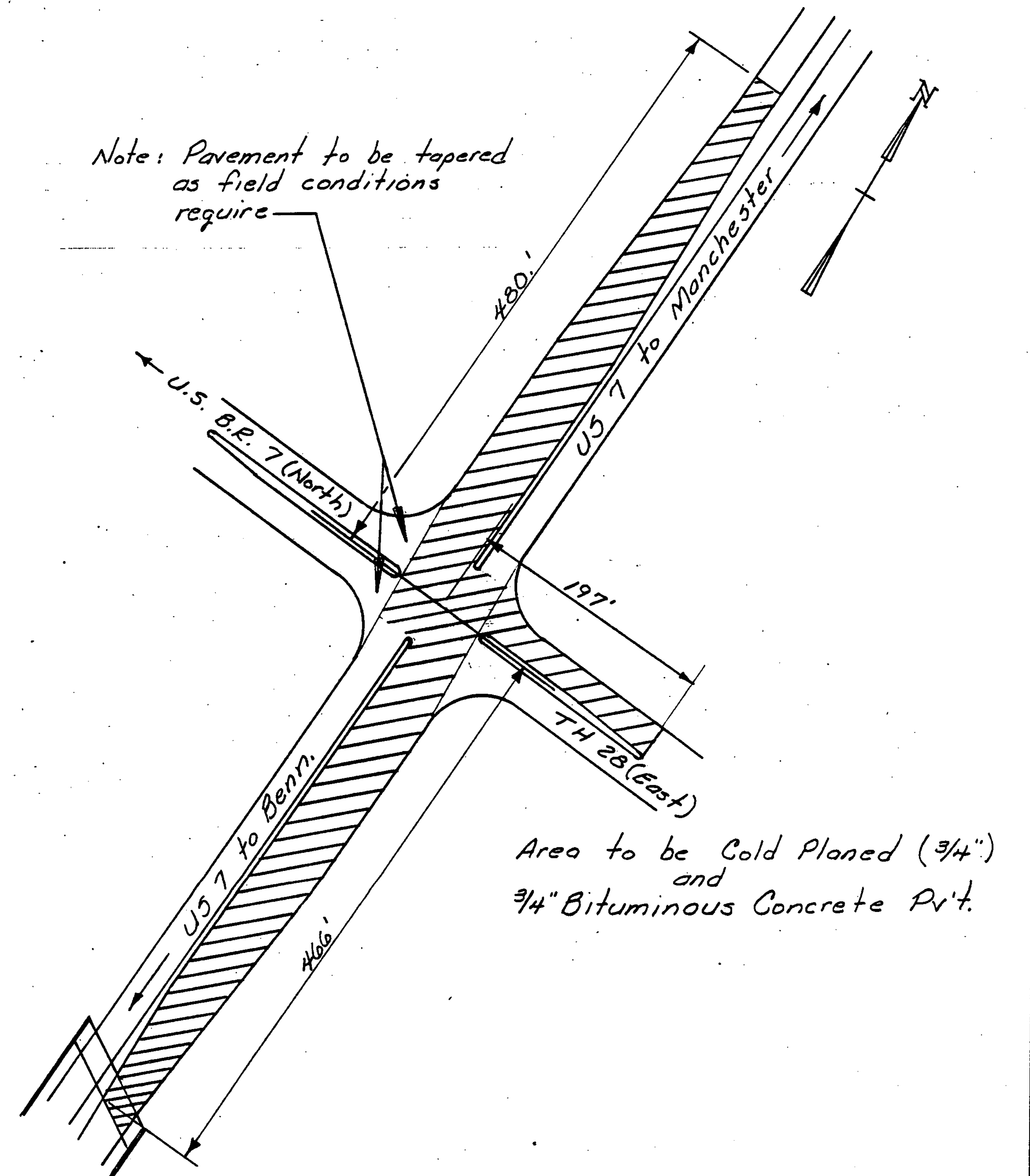


3/4" Cold Planing Bit. Pave., Item 210.10  
 3/4" Bituminous Concrete Pave., Item 406.25 Type III or Type IV (leveling course)  
 1/2" Bituminous Concrete Pave., Item 406.25 Type III or Type IV (leveling course)  
 1" Bituminous Concrete Pave., Item 406.25 Type III (wearing course)



\* Do Not PAVE BRIDGE No. 11 at MM 4.048

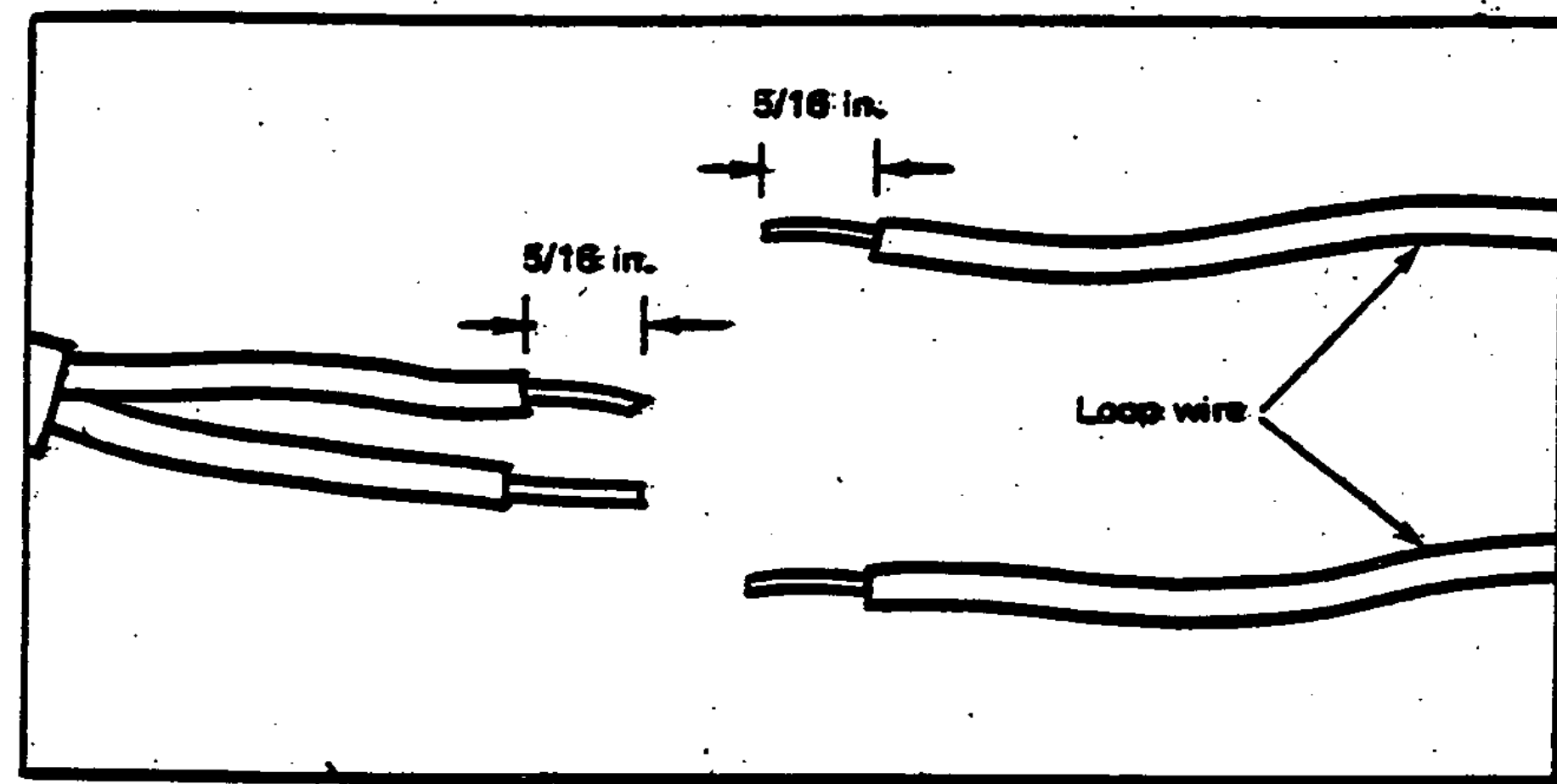
# TYPICAL SECTION & DESIGN DATA



PROJECT <u>BENNINGTON</u>	NO. <u>M 1000 (7) 5</u>
	SHEET <u>4</u> OF <u>13</u>

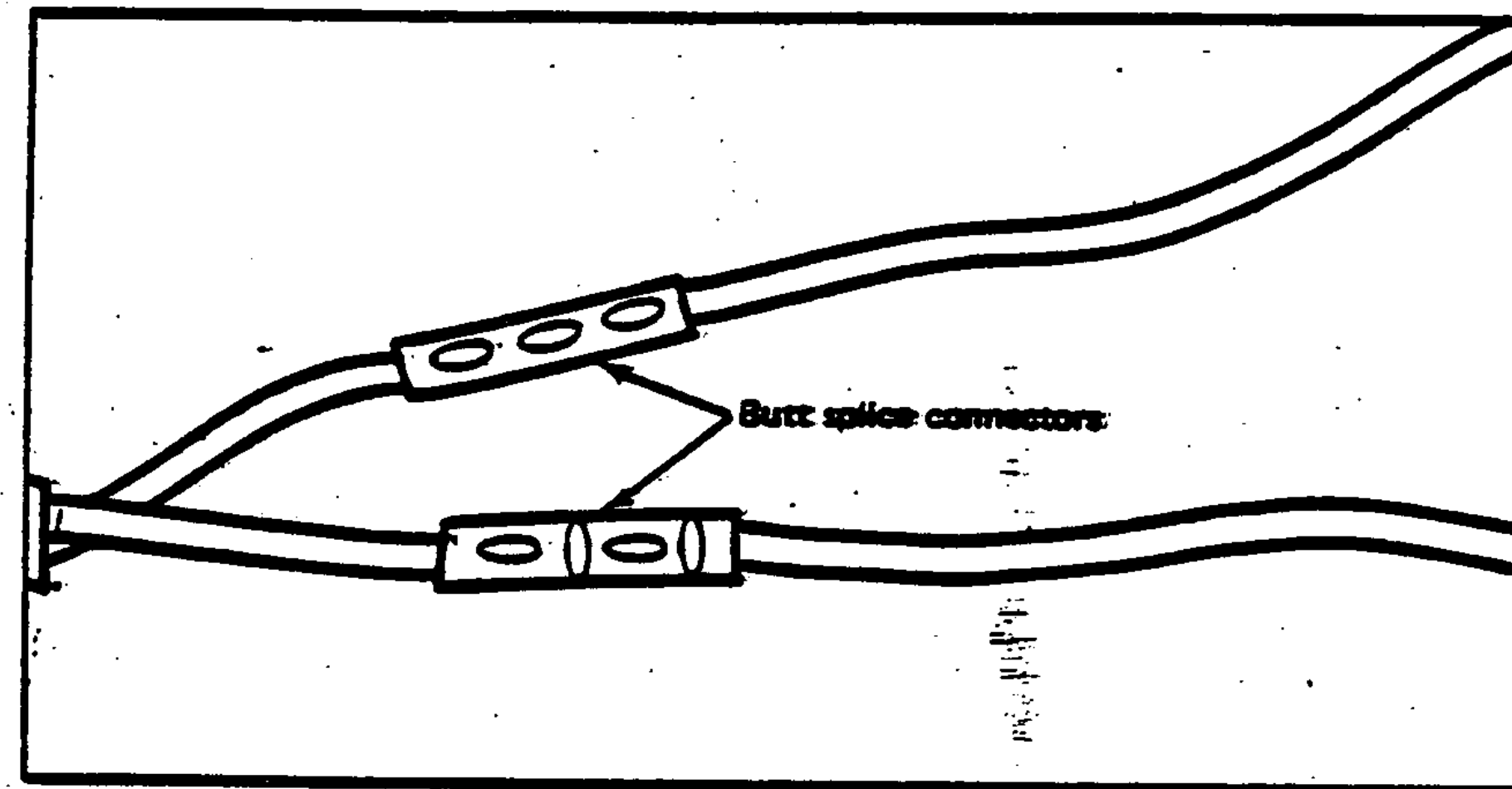
<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Rdwy.</u>	<u>Rounding</u>	<u>Total</u>	<u>Remarks</u>
210.10	Cold Planing - Bituminous Pavement (3/4")	SY	5132	18	5150	
404.65	Emulsified Asphalt	CWT	27	3	30	
406.25	Bituminous Concrete Pavement	Ton Ton	729 231	12	1600	1" wearing course 3/4" Cold Planed Replacement. 1/2" leveling est. shoulders.
604.40	Changing Elev. of D.I. C.B. or M.H. (not a bid Item)	EA	1		1	Est.
608.25	All Purpose Excavator Rental (not a bid item)	HR	1		1	Est.
608.30	Power Broom Rental	HR	10		10	Est.
630.10	Uniformed Traffic Officers	HR	80		80	Est.
630.15	Flagpersons	HR	80		80	Est.
635.10	Mobilization	LS	1		1	
646.35	Temporary 4" Reflectorized White Line	LF	<del>6405</del>	45	6450	
646.36	Temporary 4" Reflectorized Yellow Line	LF	4864	6	4870	
646.60	Durable 4" Reflectorized White Line	LF	1807	3	1810	
646.61	Durable 4" Reflectorized Yellow Line	LF	1100		1100	
646.64	Durable 24" Stop Bar	LF	165		165	
646.65	Durable Arrow Markings	EA	31		31	
646.66	Durable Letter Markings	EA	60		60	
678.22	Vehicle Loop Detector (not a bid item)	LF	1		1	
678.22	Vehicle Loop Detector (Modified)	LF	1742		1742	

Bennington M 1000(7) S



Step 1

Strip wires as shown. Allow bare wire to extend approximately 5/16 in.



Step 2

Make splices using insulated pressure type wire connectors "INSULINK" SN14 or 3M Co. #D42501 connector or equivalent.

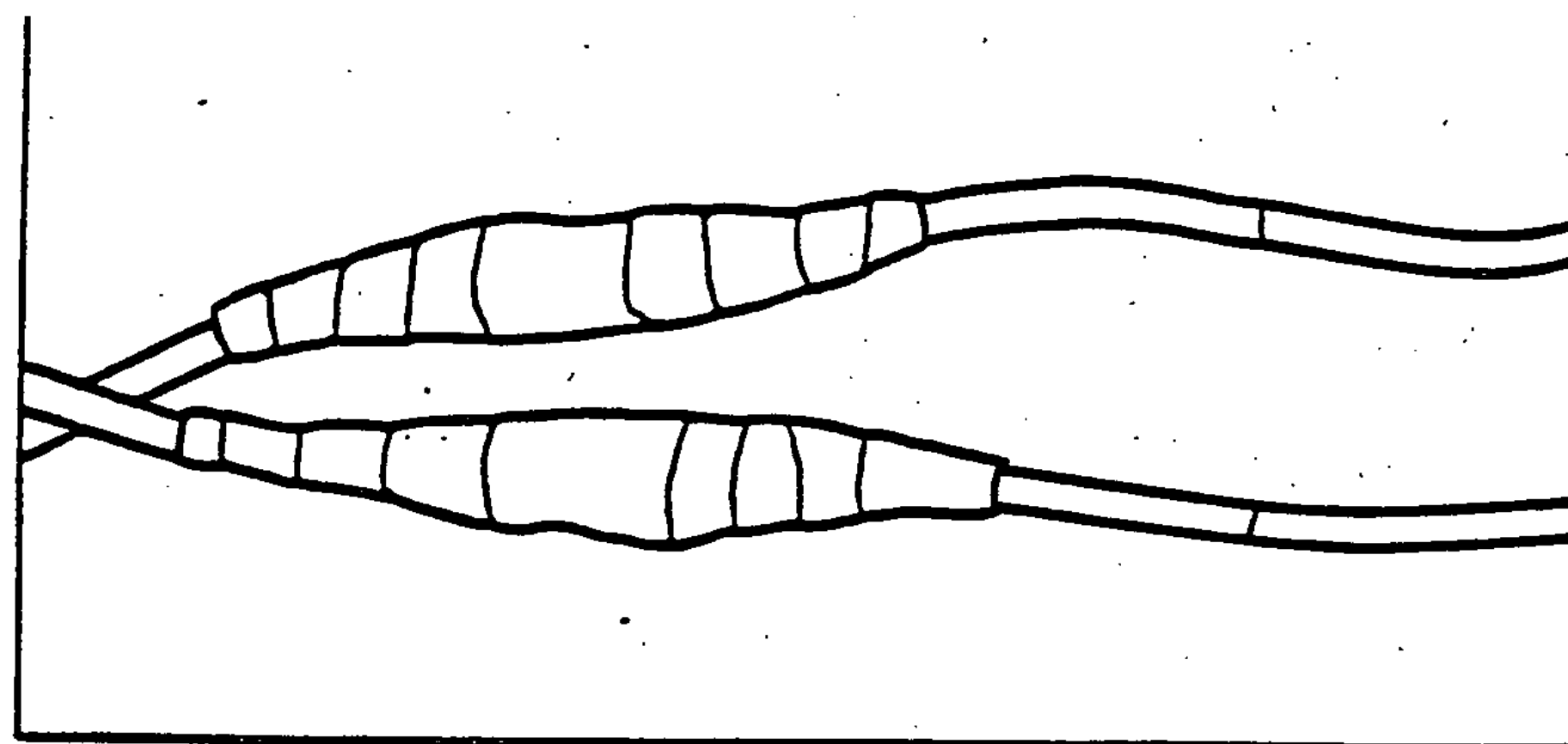


Step 3

Brush on a single coat of Adhesive 55-C (Bishop Manufacturing Corp.) or equivalent. Coat to cover 1/2 in. of Belden outer jacket, exposed Belden inner jackets, wire connector and 2 in. of loop wire insulation. Allow adhesive coating to dry (at least 5 min).

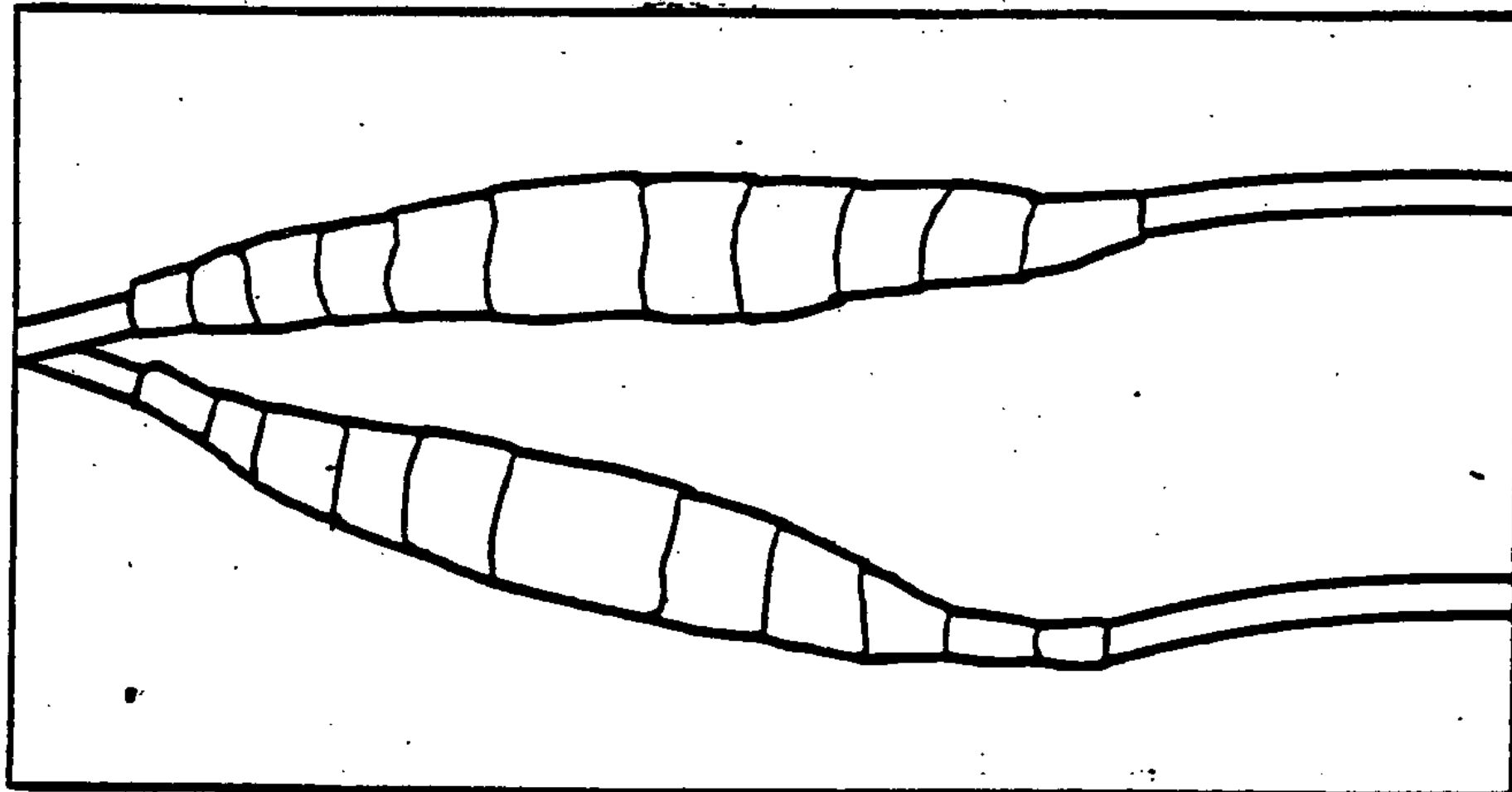
Procedure for splicing feeder cable and lead-in.

BENNINGTON  
M 1000 (7) S  
Sheet 6 of 13



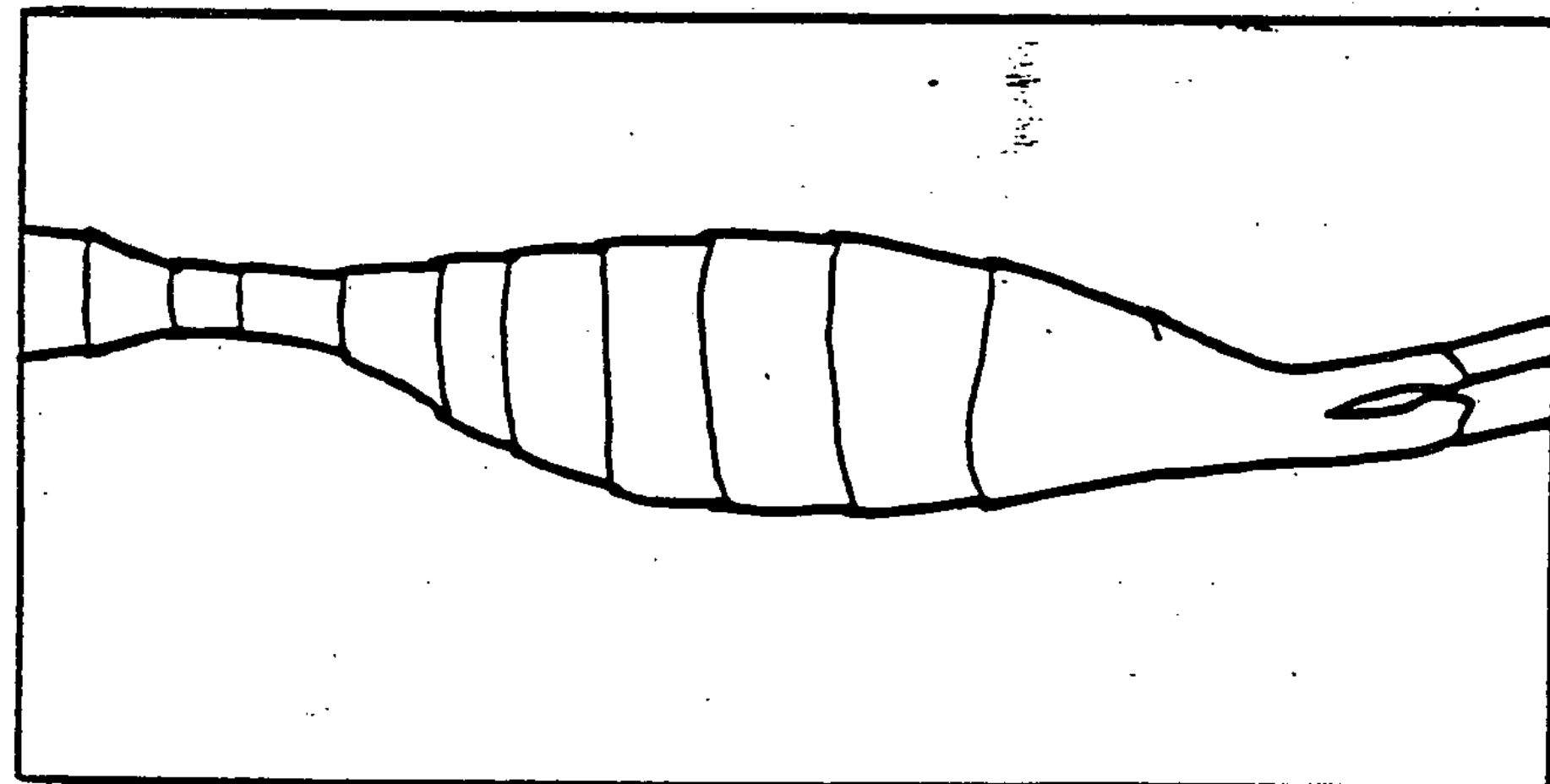
Step 4

Wrap each splice with 3/4-in. "BI-SEAL" Type 3 self-bonding electrical tape or equivalent. Half lap starting at center of splice and proceeding approximately 3/4-in. past connector end, back over connector to 3/4 in. on other end and returning to center.



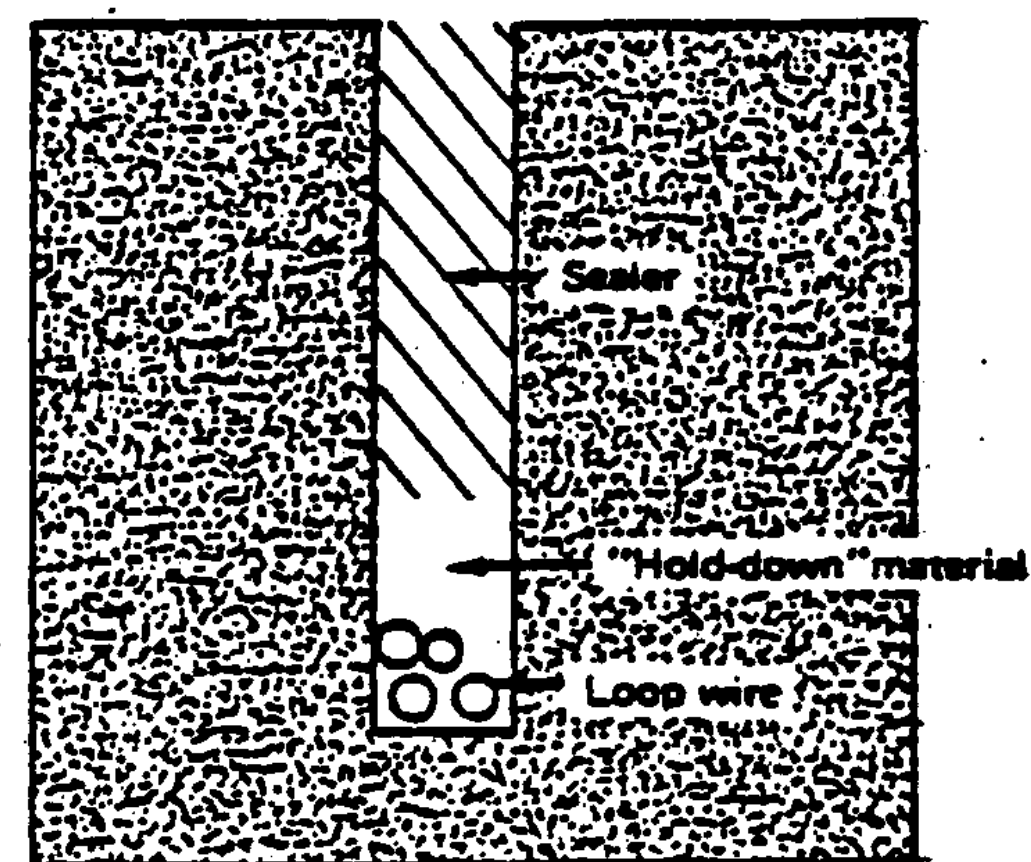
Step 5

Wrap each splice with 3/4-in. "Scotch" No. 88 All-Weather Electrical Tape or equivalent. Follow same procedure as in Step 4. Cover previous layer of tape.



Step 6

Wrap both splices together with 3/4-in. "Scotch" No. 88 tape. Cover entire splice area including adhesive coating applied by Step 3. Complete splice by inserting a 4-in. piece of No. 88 tape into the "V" formed by the loop wire.



Typical completed cross section

Vehicle loop detector.

BENNINGTON  
M 1000(7) 5  
Sheet 7 of 13

