

# 7032

FED. RD. DIST. NO.	STATE	PROJECT	FISCAL YEAR
10	OHIO		1939

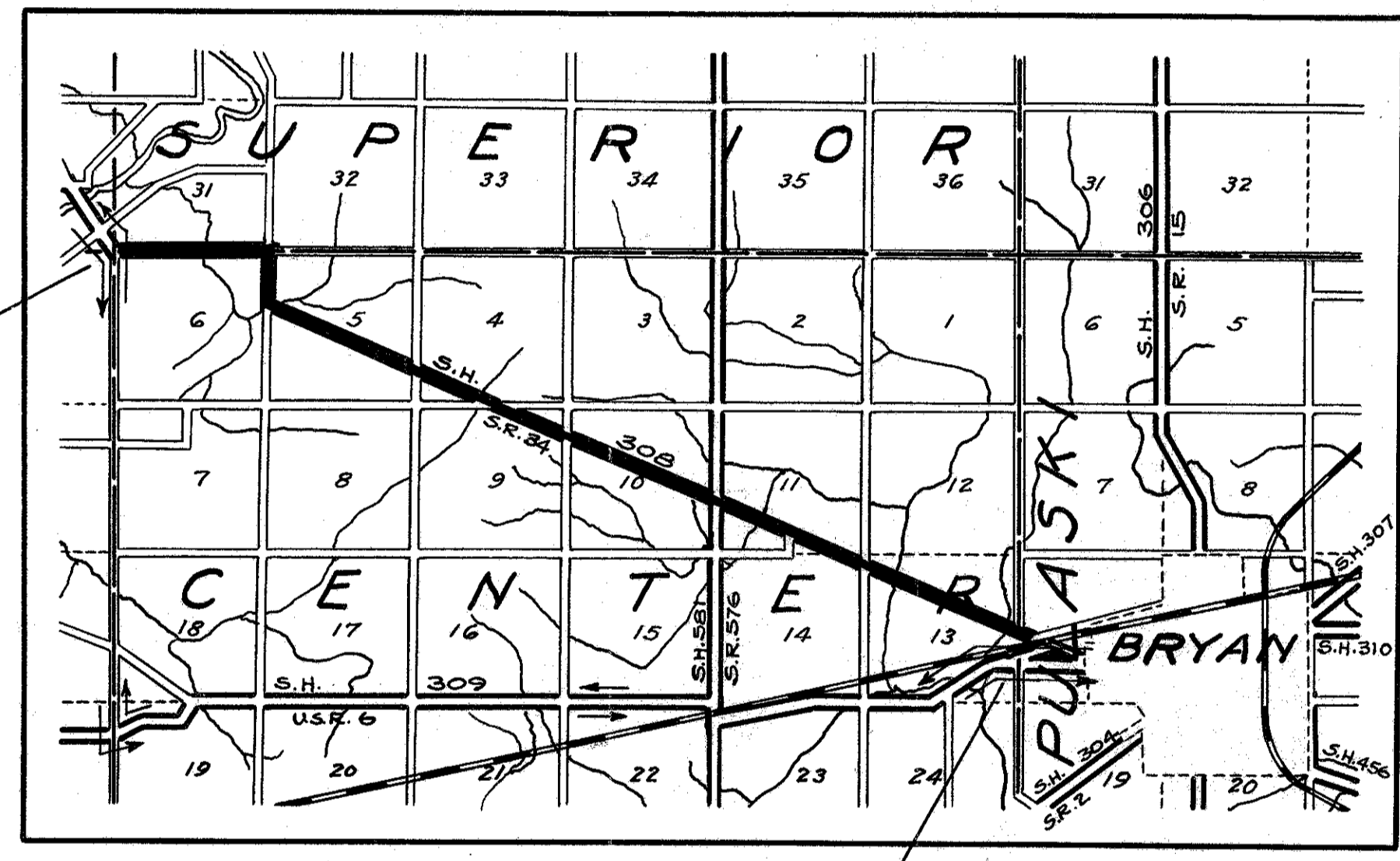
WILLIAMS COUNTY  
S.H. 308 SEC. "J" & "L" (PT.)

# STATE OF OHIO DEPARTMENT OF HIGHWAYS

## BRYAN - EDON ROAD S.H. 308 SEC. "J" AND "L" (PT.) WILLIAMS COUNTY SUPERIOR, PULASKI AND CENTER TOWNSHIPS

### CONVENTIONAL SIGNS

- STATE LINE
- COUNTY LINE
- TOWNSHIP LINE
- CENTER LINE
- SECTION LINE
- PROPERTY LINE
- CITY OR VILLAGE LINE
- FENCE LINE
- STEAM RAILROAD
- ELECTRIC RAILROAD
- POLE LINE



The Standard Specifications of the State of Ohio, Department of Highways, including Changes and Supplemental Specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that a detour will be provided as shown on the plans and estimates.

The Right of Way necessary for this improvement will be provided by the State of Ohio.

### INDEX OF SHEETS

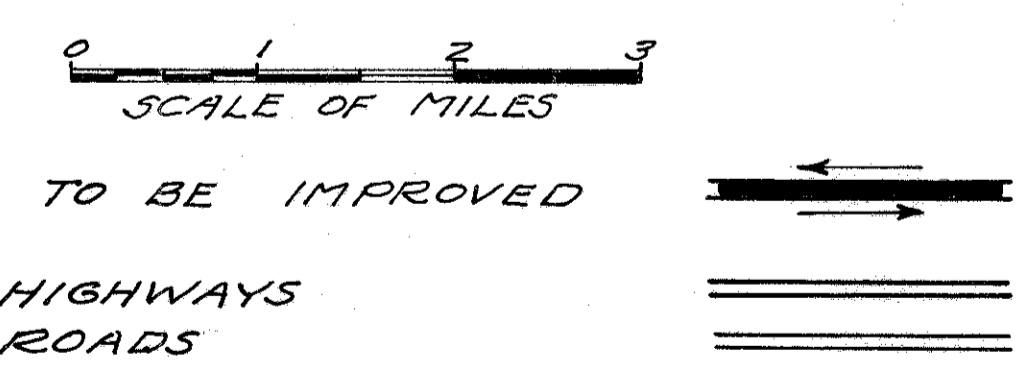
Title Sheet	1
Typical Section, Computations and Summary	2
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- Approved \_\_\_\_\_  
Date \_\_\_\_\_ Resident District Deputy Director.
- Approved J.S. Adams P.E. 447  
Date 8/29/39 Resident Division Deputy Director.
- Approved [Signature]  
Date 8-30-39 Chief Engineer, Bureau of Maintenance.
- Approved [Signature] P.E. 25  
Date \_\_\_\_\_ Chief Engineer, Location and Right-of-Way.
- Approved [Signature]  
Date 8-20-39 First Asst. Director and Chief Engineer.
- Approved [Signature]  
Date 8-20-39 Director of Highways.

### LINE DATA

Beginning of Project Station 0+00  
 End of Project Station 366+25.80  
 Gross Length of Project = 36625.80 Lin. Ft.  
 Additions ~ None  
 Deductions ~ Sta. 319+90.50 to sta. 320+30.50,  
 for Bridge No. W1-34-148 = 40.00 Lin. Ft.  
 Net Length of Project = 36585.80 Lin. Ft. or 6.929 Miles.

### LOCATION PLAN



### SCALES

PLAN 1" = 400'  
 PROFILE - Horizontal 1" = 400'  
 PROFILE - Vertical 1" = 20'

SUPPLEMENTAL SPECIFICATIONS  
 B-115 (Rev. 1-19-1940)  
 M-205.12 (Adopted 5-23-39)  
 M-105.12 (Rev. 8-15-39)

STANDARD DRAWINGS	
Number	Date
6-7.07	10-1933

CONSTRUCTION BUREAU  
 JUL 26 1955  
 GROUND PHOTOLAB

FILE	WILLIAMS - 308 - "J" & "L" (PT.)
N <sup>o</sup> .	DATE OF LETTING _____
296	CONTRACT N <sup>o</sup> . _____

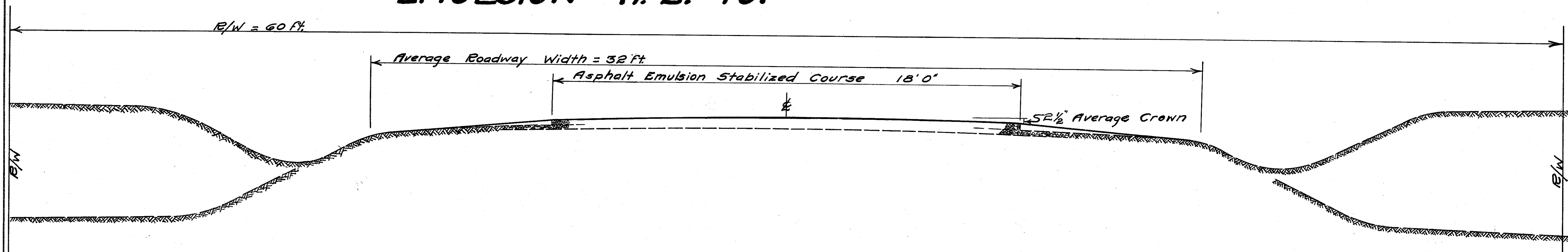
# TYPICAL

# SECTION

## TYPE ~ STABILIZED WEARING COURSE USING ASPHALT EMULSION A. E.-10.

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### GENERAL NOTES

- The work to be executed in accordance with Supplemental Specification No. B-115, Stabilized Base using Asphalt Emulsion (Revised Jan. 19, 1940).
- Mixing shall be as specified in Section B-115.12(a).
- The Existing base shall be prepared for Stabilization by blending sufficient existing course aggregate with suitable soil binder taken from subgrade and/or shoulders to secure approximately (550) Five hundred and Fifty Pounds of satisfactorily blended aggregate to the square Yard. The minimum thickness of finished pavement shall be 4 1/2".
- Earth required to properly finish the berms shall be obtained within the limits of the Right-of-Way. Finishing of berms shall comply with the requirements of Specification Item E-1. The cost of this work shall be included in the price per square Yard set up for Item B-115.

**Typical Section**  
 Station 0+00 to Station 319+90.5 = 31990.5 Lin. Ft.  
 Station 320+30.5 to Station 366+25.8 = 4595.3 " "  
 Total = 36585.8 Lin. Ft.

**ITEM B-115.** Scarify, Pulverize, Prepare Sub-Grade, deliver water, applying and mixing stabilizing emulsion AE-10, spread, compact, shape, cure and finish berms (supplemental specification No. B-115, revised as of Jan. 19, 1940) and General Specification Item E-1, and supplemental specification No. M-205.12, AE-10 (Adopted May 23, 1939), mixed in the proportion of 3.25 gal. per Sq. Yd.

**ITEM T-30.** Bituminous Prime Coat using Bituminous material Section M-5.10, MC-1, applied at the rate of 0.3 gal. per Sq. Yd.

**ITEM T-31** Bituminous Surface Treatment (Double Seal), using bituminous material section (supplemental specification, revised as of Aug. 15, 1939), No. M-105.12, Asphalt Emulsion AE-4.2a, applied in two applications at the rate of 0.3 gal. for each application.

**ITEM T-31.** <sup>first</sup> Aggregate for a bituminous surface treatment (double seal coat) using #6 Limestone section M-3.1, applied at the rate of 20 lbs. per Sq. Yd.

**ITEM T-31** Aggregate for final cover bituminous surface treatment (double seal coat) using #9 Limestone section M-3.1, applied at the rate of 15 lbs. per Sq. Yd.

### PAVEMENT

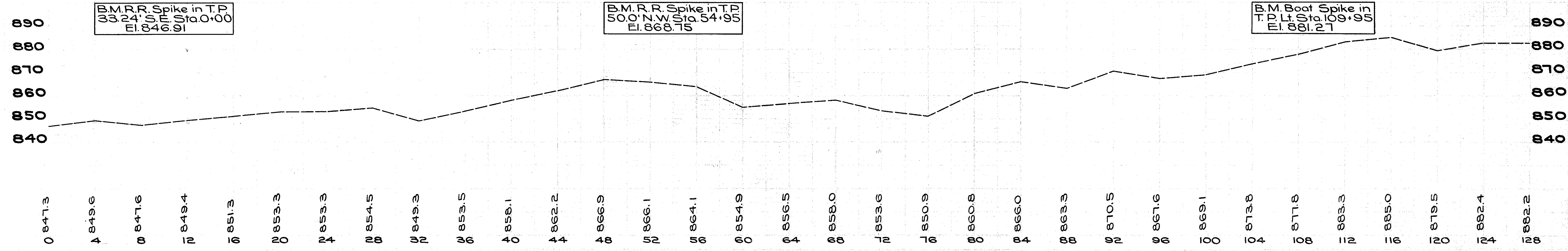
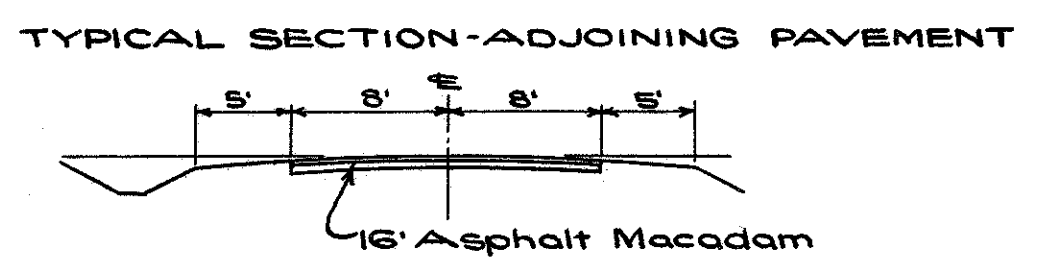
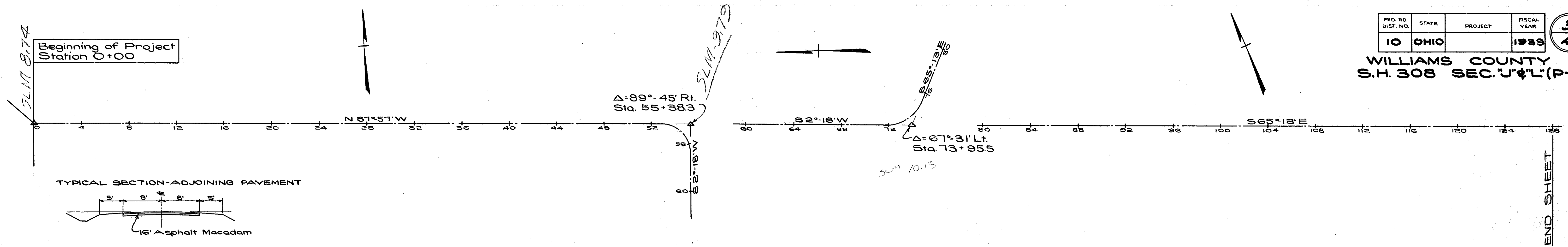
**DATA ON EXISTING PAVEMENT -**  
 Type - Traffic Bound  
 Average Width - 20 feet

**COMPUTATIONS -**  
 Beginning of Project, Sta. 0+00; End of Project, Sta. 366+25.8  
 Gross Length = 36625.8 Lin. Ft.  
 Additions - None  
 Deductions - For Br. No. Wi-34-148, Sta. 319+90.5 to Sta. 320+30.5 = 40.0 Lin. Ft.  
 Net Length Project = 36585.8 Lin. Ft.  
 Width Proposed Pavement = 18 Ft.  
 Area of proposed pavement = (36585.8 x 18) ÷ 9 = 73171.6 Use 73,172 Sq. Yds.

Asphalt Emulsion AE-10, at rate of 3.25 gal. per sq. Yd.  
 = (73172 x 3.25) = 237,809 Gals.  
 Bituminous Material, MC-1, section M-5.10, (For T-30 Bituminous Prime Coat) at rate of 0.3 gal. per sq. Yd.  
 = (73172 x 0.3) = 21,952 Gal.  
 Bituminous Material, No. M-105.12, AE-4.2a, (for T-31 Surface Treatment) applied in Two applications at 0.3 gal. per sq. Yd. each = (73172 x 0.3) 2 = 43,903 Gal.  
 Aggregate, No. 6 Limestone, section M-3.1 (for T-31 Surface Treatment) applied at the rate of 20 lbs. per sq. Yd.  
 =  $\frac{73172 \times 20}{2000}$  = 731.7 Tons.  
 Aggregate, No. 9 Limestone, section M-3.1 (for T-31 Final Surface Treatment) applied at rate of 15 lbs. per sq. Yd.  
 =  $\frac{73172 \times 15}{2000}$  = 548.8 Tons.

### ESTIMATED QUANTITIES

Item	Description	Quantity	Unit
B-115	Stabilized Wearing Course, except Stabilizing Material	73172	Sq. Yds.
B-115	Stabilizing Material, Asphalt Emulsion, Sec. M-205.12, AE-10	237809	Gals.
T-30	Bituminous Prime Coat, Sec. M-5.10, MC-1	21952	Gals.
T-31	Bituminous Material for Surface Treatment, Double Seal, Sec. M-105.12, AE-4.2a	43903	Gals.
T-31	Aggregate for Bituminous Surface Treatment, (No. 6), Sec. M-3.1	731.7	Tons
T-31	Aggregate for Bituminous Surface Treatment, Seal Coat, (No. 9), Sec. M-3.1	548.8	Tons



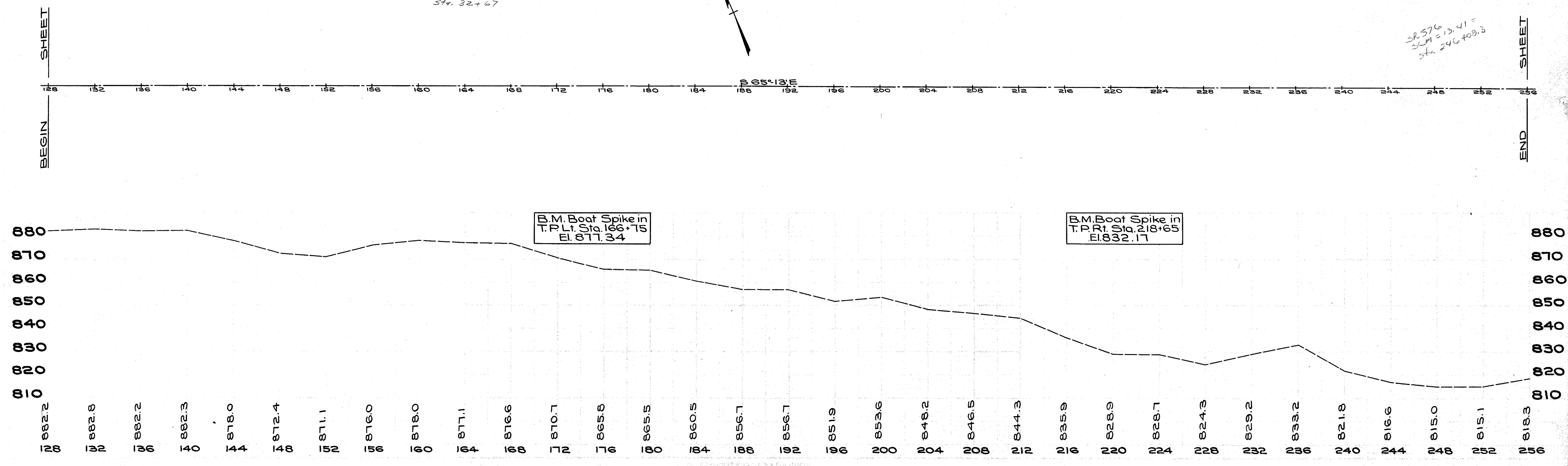
B.M.R.R. Spike in T.P.  
33.24' S.E. Sta. 0+00  
El. 846.91

B.M.R.R. Spike in T.P.  
50.0' N.W. Sta. 54+95  
El. 868.15

B.M. Boat Spike in  
T.P. Lt. Sta. 109+95  
El. 881.27

BRIDGE 0936 =  
Sta. 32+67

SR 576  
Sta. 246+03.3

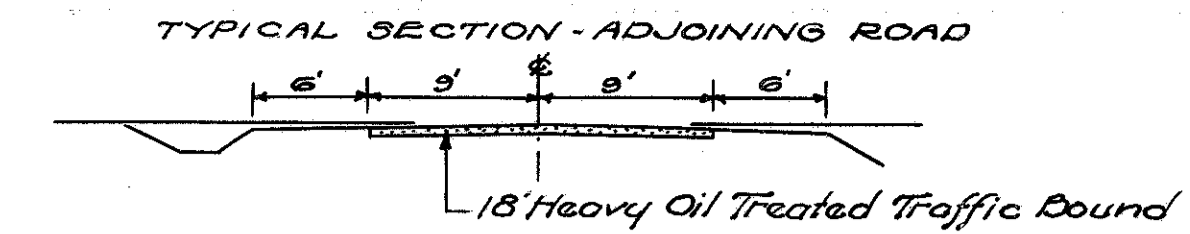


B.M. Boat Spike in  
T.P. Lt. Sta. 166+75  
El. 877.34

B.M. Boat Spike in  
T.P. Rt. Sta. 218+65  
El. 832.17

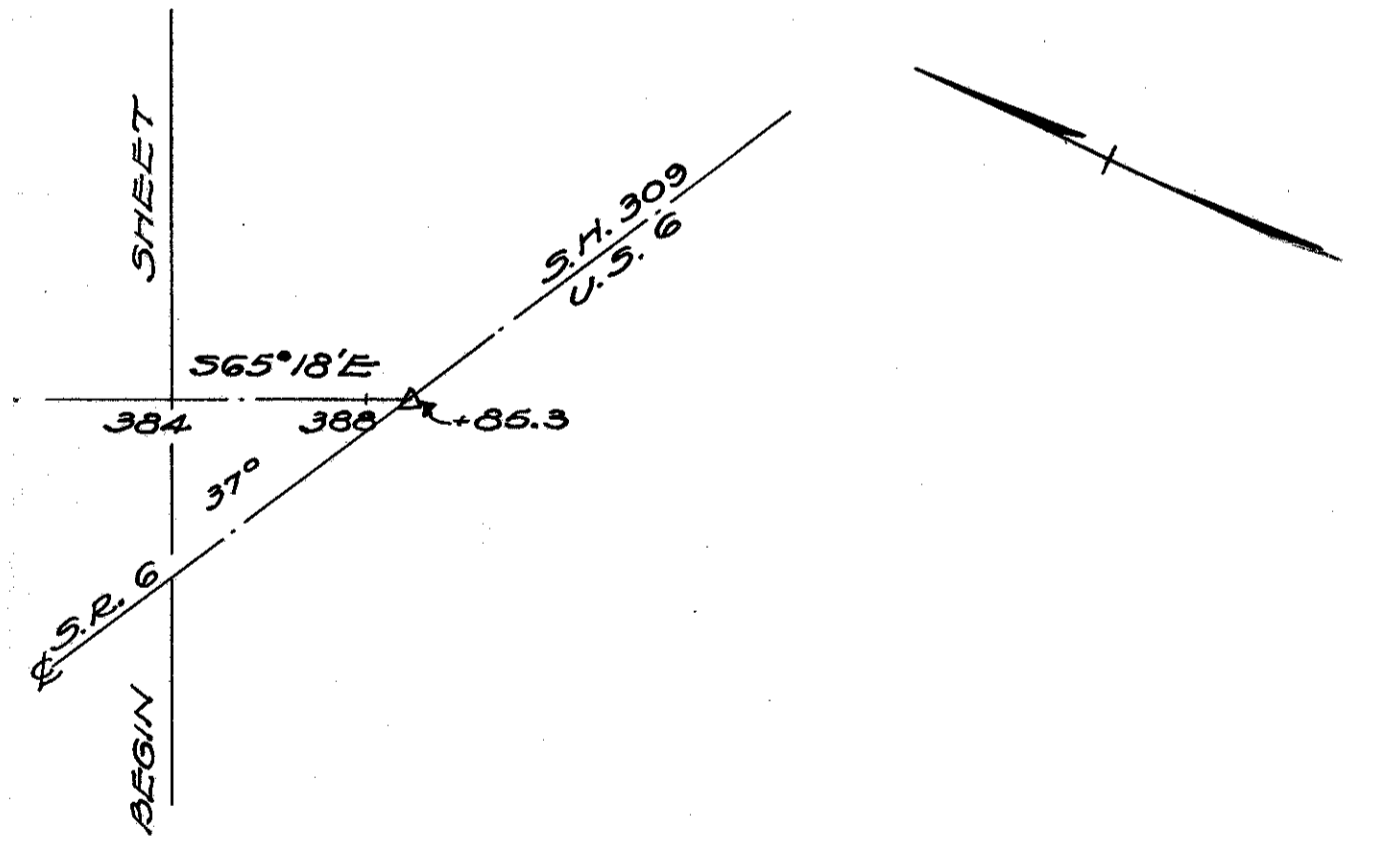
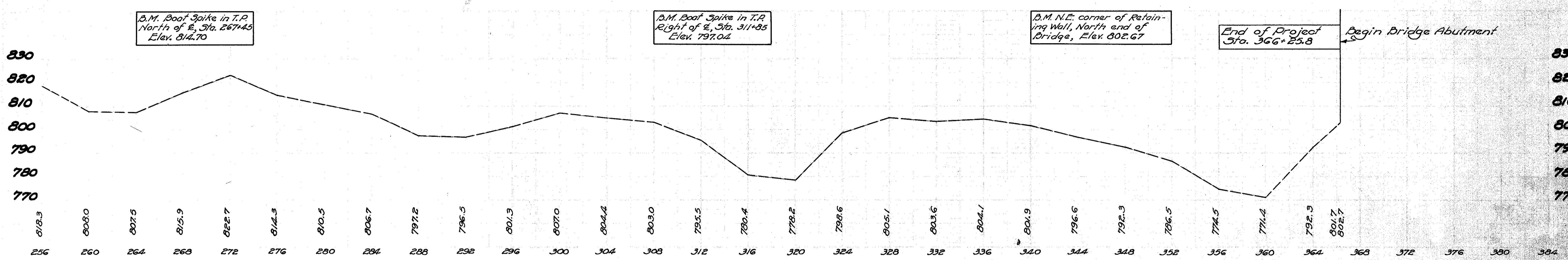
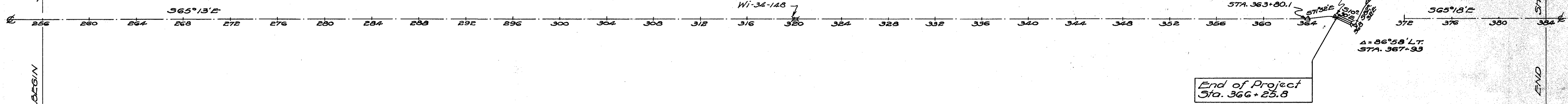
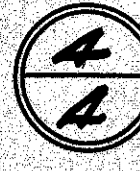
Colwell  
S.M. 13.69  
260+86.7

Existing Bridge Data - Wi-34-148  
Type: - Pony Truss ~ Skew - 0°  
Clear Span = 37'-6" ~ Loading - 14-8  
Width % Truss = 17'-8" ~ Span %c = 40'  
Station @ Bridge = 320+10.5  
End Pavement, Sta. 319+90.5  
Begin Pavement, Sta. 320+30.5



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