

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS

MT. GILEAD - SUNBURY ROAD  
S. H. 335 SEC. E, G

DELAWARE - MORROW COUNTIES  
KINGSTON - PORTER - BENNINGTON TOWNSHIPS  
NET LENGTH OF PROJECT 29610 LIN. FT. OR 5.607 MILES

File A-9

CONVENTIONAL SIGNS

STATE LINE	-----
COUNTY LINE	-----
TOWNSHIP LINE	-----
SECTION LINE	-----
CENTER LINE	-----
PROPERTY LINE	-----
CITY OR VILLAGE LINE	-----
FENCE LINE	-x-x-
STEAM RAILROAD	====
POLE LINE	o o o o
GUARD RAIL	o o o o

The Standard Specifications of the State of Ohio Department of Highways as adopted Nov. 1, 1935, together with changes and Errata Nos. 3 and 4 and Items M-5, G-6.05, E-1.11, T-34 and T-31 adopted June 7, 1938, Section G-8 adopted July 18, 1938, and Section G-211 as modified in accordance with note in the proposal, will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway

The right of way necessary for this improvement will be provided by the State of Ohio

Approved [Signature]  
Date 7/31/38 Resident Division Deputy Director

Approved [Signature]  
Date 7/31/38 Chief Engineer, Bureau of Maintenance

Approved [Signature]  
Date 7/27/38 Chief Engineer, Location & Design

Approved [Signature]  
Date 7-22-38 First Asst Director & Chief Engineer

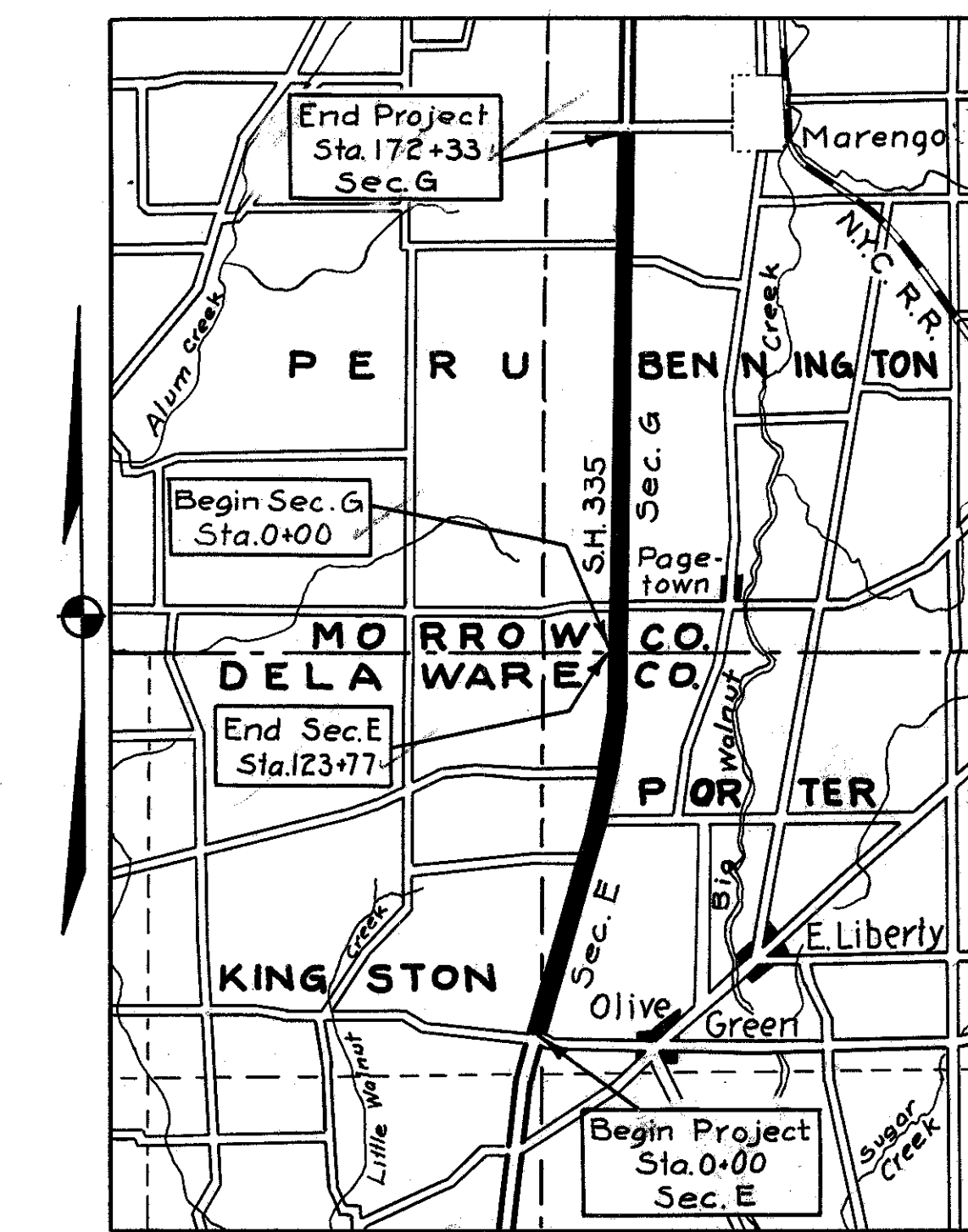
Approved [Signature]  
Date 7-22-38 Director of Highways

INDEX OF SHEETS

TITLE SHEET	SHEET 1
ALIGNMENT	SHEET 2
TYPICAL SEC. & SUMMARIES	SHEET 3

LINE DATA

BEGIN SEC. E	STA. 0+00	
END SEC. E	STA. 123+77	
NET LENGTH SEC. E		12,377 LIN. FT.
BEGIN SEC. G	STA. 0+00	
END SEC. G	STA. 172+33	
NET LENGTH SEC. G		17,233 LIN. FT.
NET LENGTH PROJECT		29,610 LIN. FT. OR 5.607 MILES



DELIVERY POINT - MARENGO  
SCALE IN MILES  
AVERAGE HAUL 4-MILES

PORTION TO BE IMPROVED  
STATE ROADS  
OTHER ROADS

SCALES  
PLAN 1" = 200'

CONSTRUCTION BUREAU  
APR 16 1938  
GROUND PHOTOLAB

STANDARD CONSTRUCTION DWGS.  
Dwg. No. 9-707  
Date 10-1933.

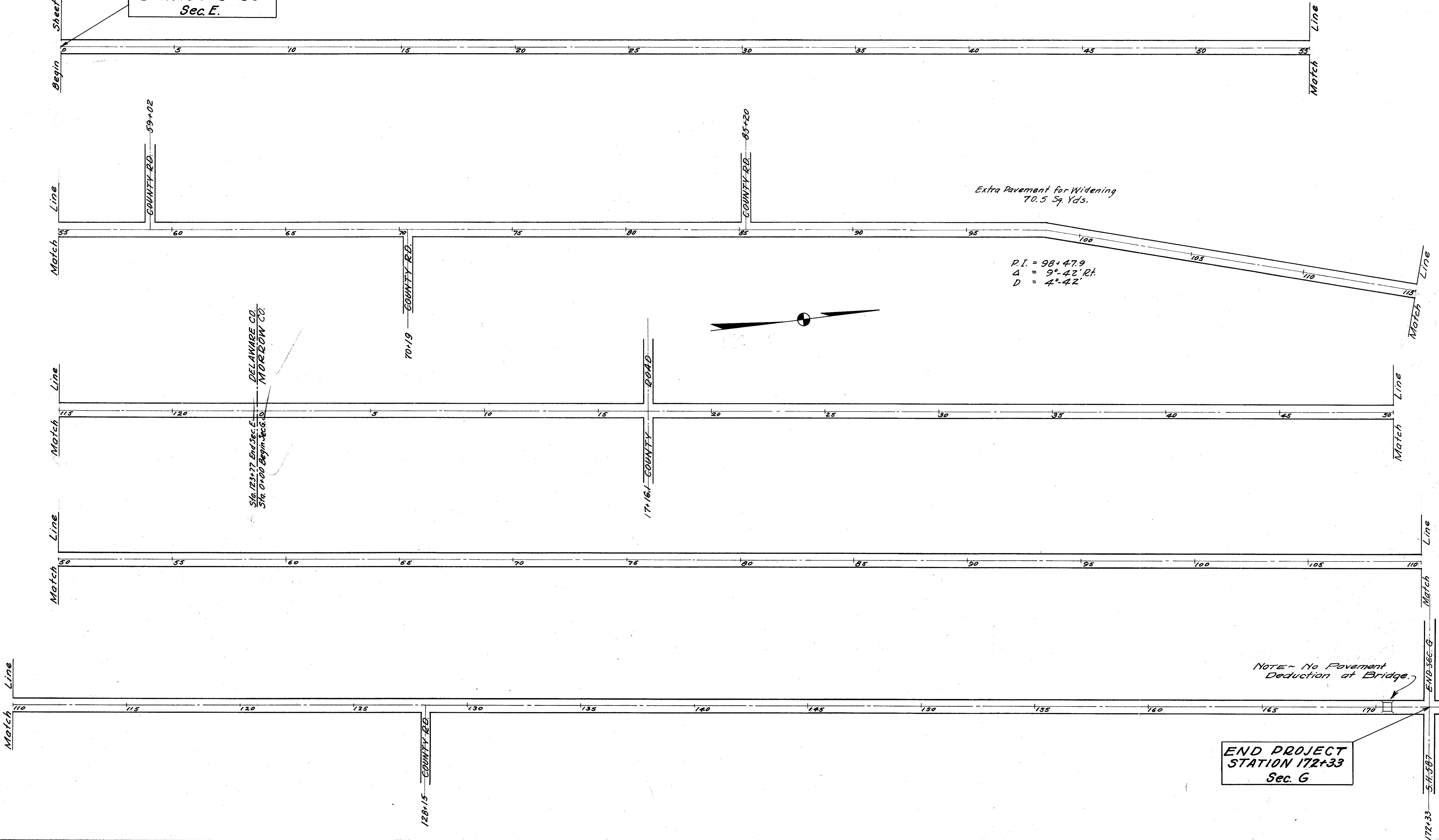
ALIGNMENT  
Scale 1"=200'

FED. RD. DIST. NO.	STATE	PROJECT	FISCAL YEAR
10	OHIO		1938

2  
3

DELAWARE & MORROW COUNTIES  
S.H. 335 SEC'S. E & G

BEGIN PROJECT  
STATION 0+00  
Sec. E.



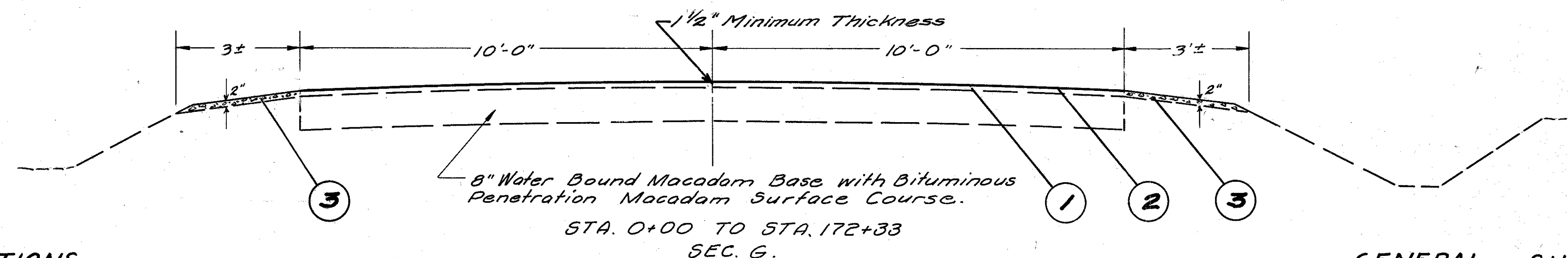
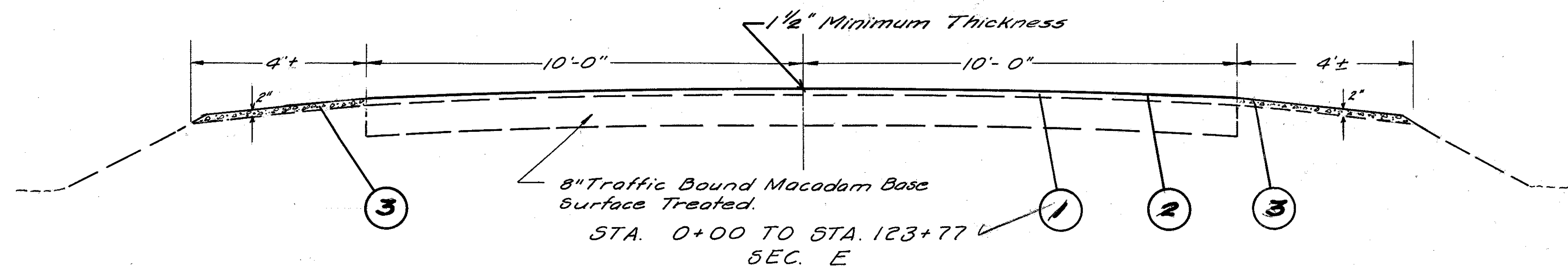
Extra Pavement for Widening  
70.5 Sq. Yds.

P.I. = 98+47.9  
Δ = 9°-42' Rt.  
D = 4°-42'

NOTE - No Pavement  
Deduction at Bridge.

END PROJECT  
STATION 172+33  
Sec. G

# TYPICAL SECTIONS TYPE T-34



## PAVEMENT CALCULATIONS

LENGTH OF PAVEMENT  
 Sec. E. Sta. 0+00 to Sta. 123+77 = 12,377 lin. ft.  
 Sec. G. Sta. 0+00 to Sta. 172+33 = 17,233 lin. ft.  
 Net Length Sec. G = 17,233 lin. ft.  
 Net Length of Project = 29,610 lin. ft.  
 or = 5.608 Miles

AREA OF EXISTING PAVEMENT  
 Sec. E. 12,377 x 20 x 1/8 = 27,509.4 sq. yds.  
 Sec. G. 17,233 x 20 x 1/8 = 38,295.5 sq. yds.  
 Add for Curve Widening = 70.5 sq. yds.  
 Total Sec. G. = 38,366.0 sq. yds.  
 Total for Project = 65,870.4 sq. yds.

Item T-34 - Bituminous Macadam Surface Course, Premixed, Type A, (No. 46 Aggregate) As per plan. [Use 2" or .0555" Loose Thickness]  
 $65,870.40 \times .0555 = 3,659.43$   
 Add 560 Cu. yds. for leveling  
 $3,659.43 + 560 = 4,219.43$  Use 4,220 Cu. Yd.

Item T-34 - Bituminous Material for Seal Coat, Sec. M-5.9 R.C.3 applied at the rate of .20 gal. per sq. yd.  
 $65,870.40 \times .20 = 13,174.08$  Use 13,175 Gal.

Item T-34 - Aggregate for Seal Coat, Sec. M-3.1, M-3.6 or M-3.92 No. 9 size applied at the rate of 15 lbs. per sq. yd.  
 $65,870.40 \times 15 \div 2400 = 411.69$  Use 411 Cu. Yd.

Item I-17 - Aggregate for Traffic Bound Side Approaches.  
 $29,610 \times .167 \times 3.5 \times 2 \div 27 = 1282.00$  Use 1282 Cu. Yd.

- Item T-34 - 1/2 Minimum Thickness Bituminous Macadam Surface Course (Premixed) Type A, Using Bituminous Material, Sec. M-5.9 R.C.4 or Sec. M-5.1 A-1 in conjunction with M-5.23 Liquifier in Mix.
- Item T-34 - Bituminous Seal Coat using Bituminous Material, Sec. M-5.9 R.C.3 applied at the rate of .20 gal. per sq. yd. and Cover aggregate, Sec. M-3.1, M-3.6, or M-3.92, No. 9 size, applied at the rate of 15 lbs. per sq. yd.
- Item I-17 - Aggregate for Traffic Bound Side Approaches (Special Shoulder Construction) 2" Depth.

## GENERAL NOTES.

TRAFFIC - Traffic shall be maintained at all times to the satisfaction of the Division Engineer. The Item of maintaining shall include furnishing lights, signs, barricades and watchmen necessary to secure the unimpeded flow of traffic twenty-four hours daily.

PROFILE - The profile for the Bituminous Macadam Surface Course is approximately 1/2" above that of the present pavement.

## GENERAL SUMMARY

ITEM	DESCRIPTION	QUANTITY	UNIT.
ROADWAY			
I-17	Aggregate for Traffic Bound Side Approaches (Special Shoulder Construction)	1282	Cu. Yd.
PAVEMENT			
T-34	Bituminous Macadam Surface Course, No. 46 Aggregate, Premixed (As per plan)	4220	Cu. Yd.
T-34	Bituminous Material for Seal Coat, Sec. M-5.9 R.C.3, applied at the rate of .20 gal. per sq. yd.	13175	Gal.
T-34	Aggregate for Seal Coat, Sec. M-3.1, M-3.6, or M-3.92, No. 9 size, applied at the rate of 15 lbs. per sq. yd.	412	Cu. Yd.
	Maintaining traffic, including lights, signs, barricades and Watchmen, twenty-four hour service (as per plan)		Lump Sum