

# STATE OF OHIO DEPARTMENT OF HIGHWAYS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	STATE	

FULTON COUNTY  
Ful-120-5.44

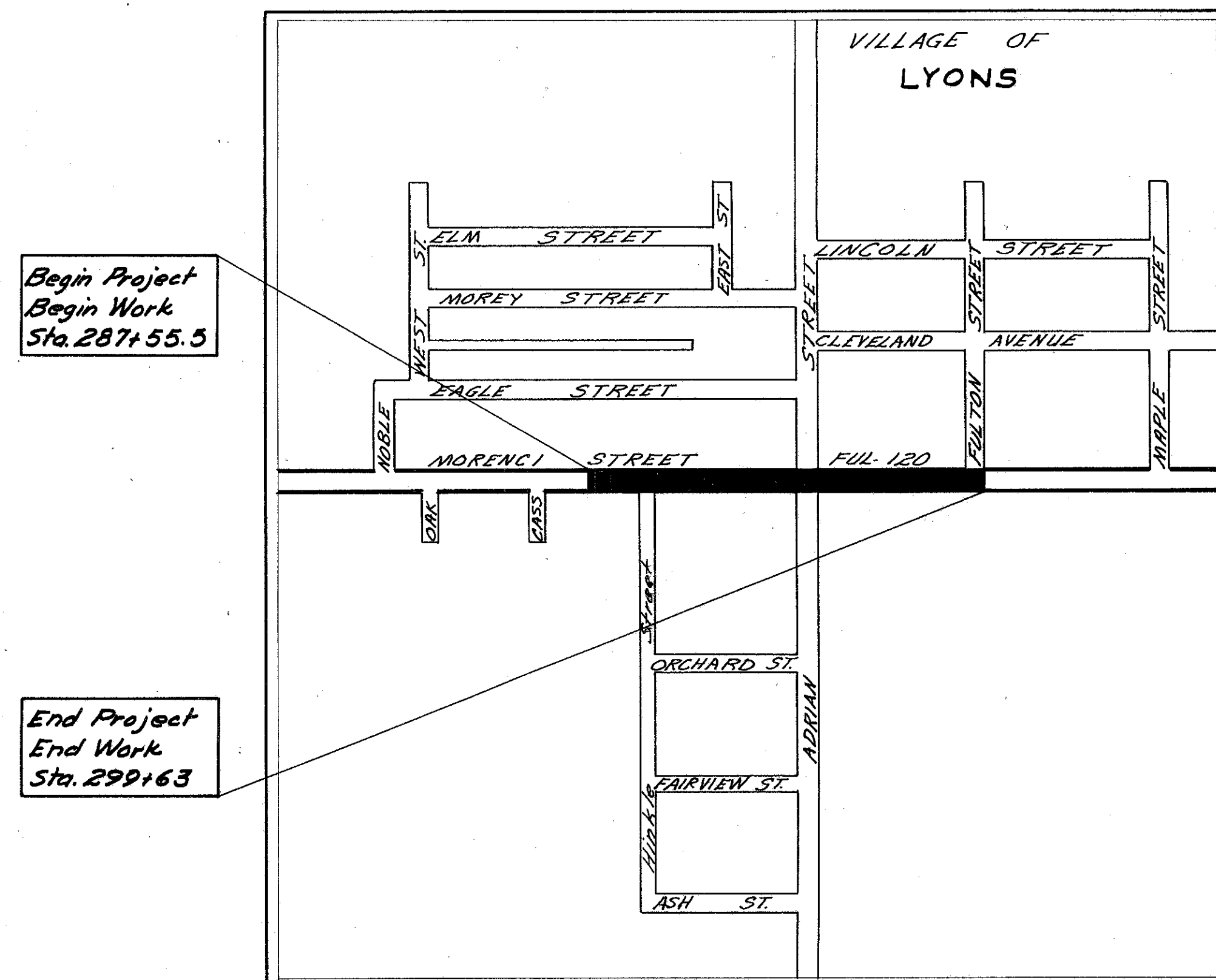
## FUL-120-5.44

SEP 11 1962  
GROUND PHOTOLAP

## FULTON COUNTY VILLAGE OF LYONS

### CONVENTIONAL SIGNS

STATE LINE	-----
COUNTY LINE	-----
TOWNSHIP LINE	-----
SECTION LINE	-----
CENTER LINE	-----
CITY OR VILLAGE 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.

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

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth on these plans and estimates.

- Approved: W. J. Brown  
Date 4-21-59 Division Deputy Director
- Approved: L. P. Neppa  
Date 5-5-59 Deputy Director of Planning & Programming
- Approved: \_\_\_\_\_  
Date \_\_\_\_\_ Engineer of Bridges
- Approved: W. J. Korman  
Date 4-30-59 Engineer of Location & Design
- Approved: C. W. McCaughey  
Date 4-30-59 Deputy Director of Design & Construction
- Approved: W. J. Berry  
Date 5-5-59 First Assistant Director
- Approved: E. A. Preston  
Date 5-5-59 Director of Highways

### INDEX OF SHEETS

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### LINE DATA

Begin Project & Work Station 287+55.5  
End Project & Work Station 299+63.0  
Length of project and work = 1207.5 Lin. Ft.  
= 0.228 Miles

DELIVERY POINT ~ 1 1/2 Mi. West of AVERAGE HAUL 8.0 MI.  
METAMORA D.T. & I. RR

### LOCATION PLAN

SCALE ~ 1" = 360'

PORTION TO BE IMPROVED	SCALES
STATE HIGHWAYS	PLAN 1" = 50'
OTHER HIGHWAYS	PROFILE ~ HORIZONTAL 1" = 50'
	PROFILE ~ VERTICAL 1" = 5'

STANDARD DRAWINGS	
I-B C.B. NO 3-A	1-26-59
T-35	1-2-56

SUPPLEMENTAL SPECIFICATIONS	

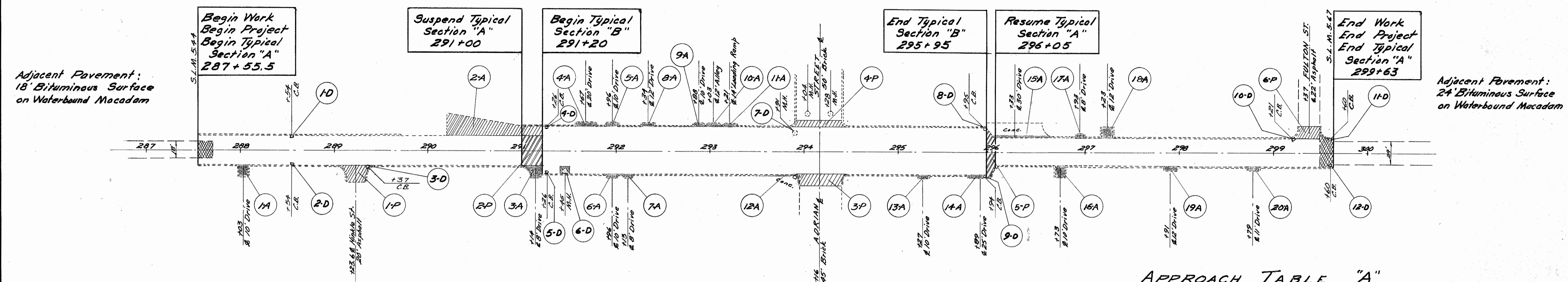
SEP 11 1962  
GROUND PHOTOLAP

File No.	Fulton County	Ful-120-5.44
DATE OF LETTING	19	
CONTRACT No.		



**LEGEND:**

	Pavement Removal
	1 1/4" T-35
	1 1/2" B-35 on T-30
	T-35
	B-35 Feather on T-30
	T-35 Feather on T-30



**PAVEMENT CALCULATIONS**

**T-35 1 1/4" Asphaltic Concrete Surface Course**  
 Typical section "A" 702.5 Lin. ft. ~ 30' Wide  
 $702.5 \times 30 \div 9 = 2342$  Sq. Yds.  
 Typical section "B" 473 Lin. ft. ~ 50' Wide  
 $473 \times 50 \div 9 = 2628$  Sq. Yds.  
 X TOTAL AREA Typical Section "A" & "B" = 4970 Sq. Yds.  
 $4970 \times 1 1/4 \div 36 = 172.6$  Cu. Yds.  
 From pavement table "P" = 6.31 Cu. Yds.  
 From approach table "A" = 11.77 Cu. Yds.  
 TOTAL T-35 = 190.68 Cu. Yds. ~ Use 191 Cu. Yds.  
 Less Parking = 48.6 Cu. Yds. ~ Use 49 Cu. Yds.  
 MAIN PAV'T. = 142.08 Cu. Yds. ~ Use 142 Cu. Yds.

**B-35 1 1/2" MIN. ASPHALTIC CONCRETE LEVELING COURSE**  
 X TOTAL AREA Typical Section "A" & "B" = 4970 Sq. Yds.  
 $4970 \times 1 1/2 \div 36 = 207.1$  Cu. Yds.  
 For Extra Leveling (Sup) & From pavement table "P" = 32.55 Cu. Yds.  
 TOTAL B-35 = 239.65 Cu. Yds. ~ Use 240 Cu. Yds.  
 Less Parking = 64.3 Cu. Yds. ~ Use 64 Cu. Yds.  
 MAIN PAV'T. = 175.35 Cu. Yds. ~ Use 176 Cu. Yds.

**T-30 TACK COAT BITUMINOUS MATERIAL**  
 X TOTAL AREA Typical Section "A" & "B" = 4970 Sq. Yds.  
 $4970 \times .10$  Gals. = 497.0 Gals.  
 From pavement table "P" = 29.7 Gals.  
 From approach table "A" = 30.5 Gals.  
 TOTAL T-30 = 557.2 Gals. ~ Use 557 Gals.  
 Less Parking = 140.0 Gals. ~ Use 140 Gals.  
 MAIN PAV'T. = 417.2 Gals. ~ Use 417 Gals.

**E-B REMOVAL OF EXISTING WEARING COURSE**  
 Station 287+55.5  $18 \times 15 \div 9 = 30$  Sq. Yds.  
 Station 299+63  $24 \times 15 \div 9 = 40$  Sq. Yds.  
 Station 291+45 Rt.  $12 \times 12 \div 9 = 16$  Sq. Yds.  
 TOTAL E-B = 86 Sq. Yds. ~ Use 86 Sq. Yds.

\* Carried To General Summary

**PARKING AREA**  
 Typical section "A" 702.5 Lin. ft. ~ 8' Wide  
 Less 2 intersections 80 Lin. ft.  
 Net length = 622.5 Lin. ft.  
 $622.5 \times 8 \div 9 = 553.3$  Sq. Yds.  
 Typical section "B" 473.0 Lin. ft. ~ 16' Wide  
 Less 1 intersection 60.0 Lin. ft.  
 Net length = 413.0 Lin. ft.  
 $413 \times 16 \div 9 = 734.2$  Sq. Yds.  
 Additional Parking  
 290+20 to 291+20 Lt. 100 Lin. ft. ~ 10' Wide  
 $100 \times 10 \div 9 = 111.1$  Sq. Yd.  
 TOTAL PARKING AREA = 1398.6 Sq. Yd.

**T-35 ASPHALTIC CONCRETE SURFACE COURSE**  
 Total Parking Area = 1398.6 Sq. Yd.  
 $1398.6 \times 1 1/4 \div 36 = 48.6$  Cu. Yds. ~ Use 49 Cu. Yds.

**B-35 ASPHALTIC CONCRETE LEVELING COURSE**  
 Total Parking Area = 1398.6 Sq. Yds.  
 $1398.6 \times 1 1/2 \div 36 = 58.3$  Cu. Yds. ~  
 For Extra Leveling 6 Cu. Yds. ~ Use 64 Cu. Yds.

**T-30 TACK COAT BITUMINOUS MATERIAL**  
 Total Parking Area = 1398.6 Sq. Yds.  
 $1398.6 \times .10$  Gal/Sq. Yd. = 139.86 Gal. ~ Use 140 Gals.

**APPROACH TABLE "A"**

Ref. No.	Sheet No.	Station From	Station To	Side	T-35 Cu. Yd.	T-30 Tech. Gal.	Description
1-A	3	288+03		Rt.	.54	1.4	10' Brick Drive
2-A	3	290+20	291+20	Lt.	7.00	18.4	Brick Parking Area
3-A	3	291+14		Rt.	.66	1.7	8' Brick Drive
4-A	3	291+67		Lt.	.37	1.0	20' Brick Drive
5-A	3	291+96		Lt.	.20	.5	10' Brick Drive
6-A	3	291+96		Rt.	.20	.5	10' Brick Drive
7-A	3	292+13		Rt.	.17	.4	8' Brick Drive
8-A	3	292+34		Lt.	.23	.6	12' Brick Drive
9-A	3	292+88		Lt.	.20	.5	10' Brick Drive
10-A	3	293+03		Lt.	.23	.6	12' Brick Alley
11-A	3	293+21		Lt.	.27	.7	14' Conc. Loading Ramp
12-A	3	293+58	293+88	Rt.	.12	.3	30' Conc. Drive
13-A	3	295+27		Rt.	.20	.5	10' Brick Drive
14-A	3	295+89		Rt.	.25	.5	25' Brick Drive
15-A	3	296+33		Lt.	.12	.3	30' Conc. Drive
16-A	3	296+73		Rt.	.20	.5	10' Brick Drive
17-A	3	296+93		Lt.	.17	.4	8' Brick Drive
18-A	3	297+23		Lt.	.23	.6	12' Brick Drive
19-A	3	297+91		Rt.	.23	.6	12' Brick Drive
20-A	3	298+79		Rt.	.18	.5	11' Brick Drive
Total to Pavement Calculations					11.77	30.5	

**PAVEMENT TABLE "P"**

Ref. No.	Sheet No.	Station From	Station To	Side	T-35 1 1/4" Cu. Yd.	B-35 1 1/2" Cu. Yd.	T-30 Gal.	Description
1-P	3	289+23.6		Rt.	1.78	.94	4.5	20' Asphalt Street
2-P	3	291+00	291+20	Ctr.	2.32	2.78	6.7	Section between Typ "A" & "B"
3-P	3	294+16		Rt.	1.15	1.37	6.6	45' Brick Street
4-P	3	294+16		Lt.	.60	.72	3.5	50' Brick Street
5-P	3	295+95	296+05	Ctr.	.73	.87	4.2	Between Typ "B" & "A"
6-P	3	299+37		Lt.	.73	.87	4.2	22' Asphalt Street
Total to Pavement Calculations					6.31	7.55	297	