CUYAHOGA COUNTY
CUY-42-3.38

| FED. ROAD DIVISION | STATE | PROJECT | |
|---|---|---|---|
| 2 | OHIO | I-71-5(11)236 | |

76
263

Ref. P.I. Sta. 48+25.69
℄ Albion Rd.
I.P. 1980

CURVE DATA
P.I. Sta. 48+25.69
Δ = 10°-58'-04"
D = 3°-30'
T = 157.16'
R = 1,637.02'
L = 313.37'
E = 7.53'

875' Bituminous Pavt Transition
Begin Work Sta. 45+25
Begin Sheet, Sta. 45+00
Begin Concrete Pavt. Sta. 46+12.5
P.C. 46+68.53
Temporary Easement
12" R.C.P.
Slope Easement
2-D
3-D
4-D
6"T.C.P.
10"R.C.P.
1-D
4"T.C.P.
11-D
12"C.M.P.
2-A
Dirt Dr.
Crushed Stone Dr.
1-A
7-D
1½ Sty. Br. Res.
1 Sty. Br. Gar.
Bee Hives
W=8"
12"T.C.P.
48
Fr. Shed
2 Sty. Fr.
Fr. Sheds
1 Sty. Fr.
Well
½ Sty. Fr.
692
Crushed Stone Dr.
6"T.C.P.
PT. 49+80.90
8-D
4"T.C.P.
4-D
1 Sty. Blk.
1 Sty. Fr.
1½ Sty. Fr. Res.
Cultivated
Crushed Stone
10-D
12"C.M.P.
10"R.C.P.
5-Z
N 86°-36'-11" E
ALBION RD. - C.H. 75
End Sheet, Sta. 55+00
9-D
5-D
℄ Slope Easement
End Concrete Pavt. Sta. 52+50
50' Bituminous Transition
End Work Sta. 53+00
Cultivated
690
50+000 CH. 75
= 690+44.44 I-71
88°-22'-25"
To Local Tangent
I-71
Dc=0°-28'
Dirt Dr.
1 Sty. Fr.

Note: Curve is superelevated by rotation about the inside edge of pavement. The elevation of the inside edge of pavement is maintained 0.1% below P/G elevation.

16'±
Bituminous Pavement

**TYPICAL SECTION ADJOINING PAVEMENT ALBION ROAD**
Sta. 45+25 Bk.
Sta. 53+00 Ahd.

℄ Reference
P.K. Nail — ℄ Albion Rd. — 39+56.75
39 — 35.28 — Mon.

℄ Reference
P.K. Nail — ℄ Albion Rd. — 37+04.22
37 — 42.12 — 30.29 — Stone — Mon.

℄ Reference
P.K. Nail — ℄ Albion Rd. — 41+62.87
41 — 29.32 — Mon.

℄ Reference
Stone — 44+86.60 — ℄ Albion Rd.
43 — 18.48

(A) (C) See Detail Sheet No. 156

## SUPERELEVATION TABLE

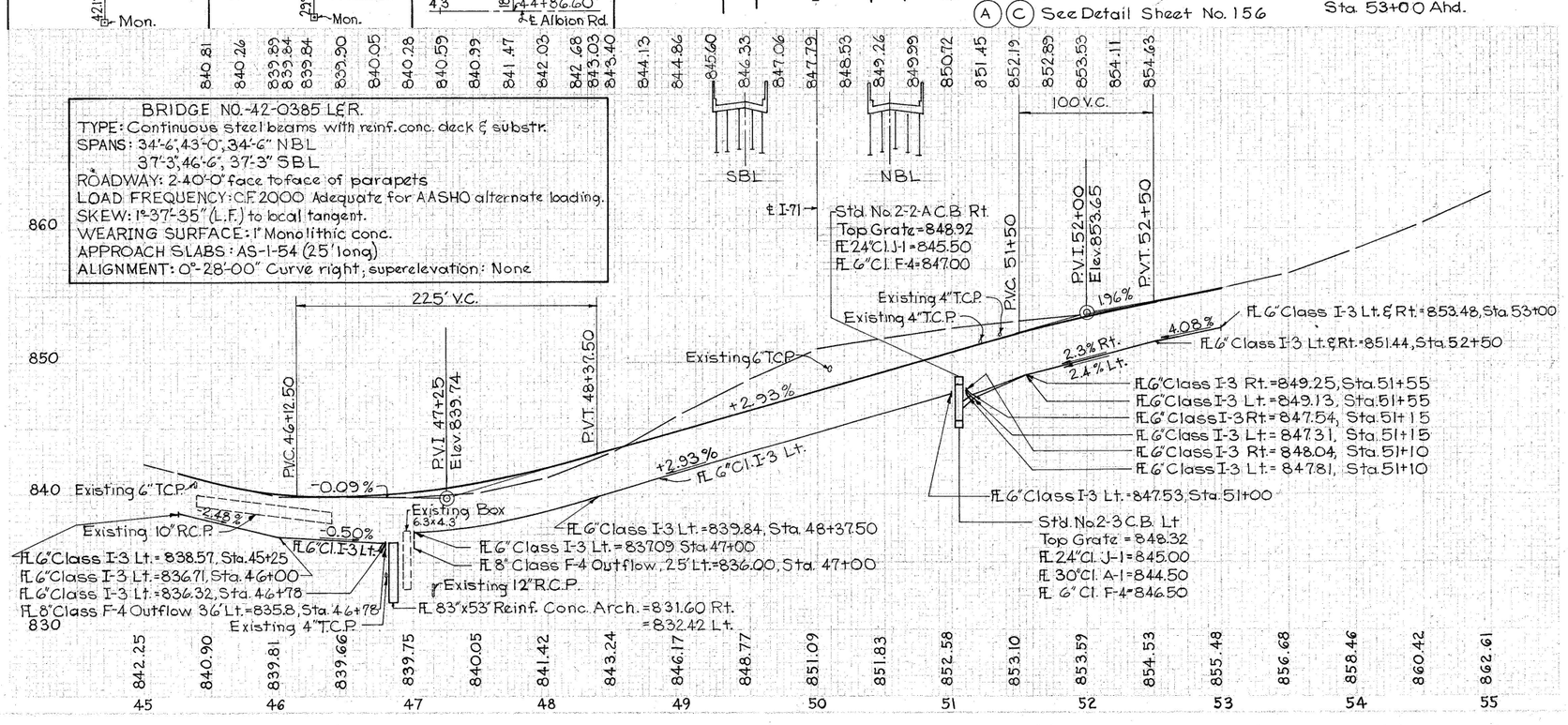
D = 3°-30' Left  S.E. = 0.057'/'
Max. S.E. for 24'=1.37'

| STATION | Left Edge | ℄ | Right Edge |
|---|---|---|---|
| 46+12.50 | 839.65 | 839.86 | 840.07 |
| +25 | 839.65 | 839.89 | 840.13 |
| +50 | 839.71 | 840.01 | 840.31 |
| +68.53 | 839.81 | 840.16 | 840.50 |
| +75 | 839.86 | 840.22 | 840.59 |
| 47+00 | 840.09 | 840.51 | 840.94 |
| +25 | 840.40 | 840.88 | 841.37 |
| +50 | 840.60 | 841.34 | 841.89 |
| +75 | 841.28 | 841.88 | 842.49 |
| 48+00 | 841.84 | 842.50 | 843.17 |
| +25 | 842.49 | 843.17 | 843.86 |
| +37.50 | 842.64 | 843.52 | 844.21 |
| +41.90 | 842.97 | 843.65 | 844.34 |
| +50 | 843.21 | 843.86 | 844.54 |
| +75 | 843.94 | 844.59 | 845.15 |
| 49+00 | 844.67 | 845.21 | 845.76 |
| +25 | 845.41 | 845.81 | 846.38 |
| +50 | 846.14 | 846.56 | 846.99 |
| +75 | 846.87 | 847.23 | 847.60 |
| +81.90 | 847.07 | 847.42 | 847.76 |
| 50+00 | 847.60 | 848.01 | 848.41 |
| +25 | 848.34 | 848.79 | 849.25 |
| +46.10 | 848.98 | 849.42 | 849.85 |
| +50 | 849.07 | 849.46 | 849.84 |
| +75 | 849.80 | 850.13 | 850.46 |
| 51+00 | 850.53 | 850.79 | 851.06 |
| +21.90 | 851.11 | 851.26 | 851.41 |
| +25 | 851.26 | 851.45 | 851.64 |
| +50 | 852.00 | 852.14 | 852.28 |
| +75 | 852.70 | 852.84 | 852.96 |
| +96.10 | 853.26 | 853.45 | 853.64 |

## ESTIMATED QUANTITIES

| REF. NO. | STATION TO STATION | SIDE | I-1 Class I-3 Pipe 6" Lin.Ft. | I-1 Class F-4 Pipe 6" Lin.Ft. | 8" Lin.Ft. | 15" Lin.Ft. | I-1 Class J-1 Pipe 24" Lin.Ft. | 30" Lin.Ft. | I-1 Class A-1 Reinf. Elliptical Pipe Sec. M-170 Lin. Ft. | Masonry Type E End Wall Cu. Yd. | SP-55 End Wall Cu. Yd. | Std. No. 3 Head Wall Each | Pipe Specials 90° Bend 6" Each | 60° Wye 6" Each | I-5 Std. No. 22M Mod. C.B. Each | I-8 Std. Dumped Rock. C.B. Each | I-10 L-10 Sodding Cu. Yd. | I-18 Crushed Aggregate Base 5" Sq. Yd. | T-35 Type I Asph. Conc. Courses Cu. Yd. | B-19 Crushed Aggregate Base 6" Cu. Yd. | S-24 Remove Conc. Box. Culv. | Sec. Sheet No. Lump |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-D | 46+30 to 46+90 | Rt. | 175 | | | 21 | | | | | | | | | | | | | | | | |
| | | Lt. | | | | | | | | | | | | | | | | | | | | |
| 2-D | 45+25 to 46+90 | Rt. | | 10 | | | | | | | | | | | | | | | | | | |
| | | Lt. | | 10 | | | | | | | | | | | | | | | | | | |
| 3-D | 47+10 to 51+00 | Lt. | 400 | | | | | | | | | | | | | | | | | | | |
| 4-D | 51+10 to 53+00 | Rt. | 200 | 10 | | | | | | | | | | | | | | | | | | |
| 5-D | 51+10 to 53+00 | Lt. | 200 | 10 | | | | | | | | | | | | | | | | | | |
| 6-D | 46+90 to 48+90 | Rt. | | | | 40 | | | | | | | | | | | | | | | | |
| | 47+31 | Lt. | | | | | | | | | | | | | | | | | | | | |
| 7-D | 49+00 to 51+05 | Rt. | | | | | 200 | | | 0.5 | | | | | | | | | | | | |
| 8-D | 49+00 to 51+05 | Lt. | | | | | 56 | | | | | | | | | | | | | | | |
| 9-D | 51+05 to 52+50 | Lt. | | | | | | | | | 4.0 | 16.2 | | | | | | | | | | |
| 10-D | 51+05 to 52+50 | Rt. | | | | | | | | 8.0 | | | | | | | | | | | | |
| 11-D | 46+85 | | | | | | | | | | | | | | | 1 | | | | | | |
| 1-A | 47+31 | Rt. | | | | | | | | | | | | | | 1 | | | | | | |
| 2-A | 46+30 | Lt. | | | | | | | | | | | | | | 1 | | | | | | |
| TOTAL | | | 9.75 | 20. | 6.1 | 56. | 200. | 80. | 0.5 | 4.0 | 16.2 | 2. | 2. | 1. | 1. | 29. | 327. | 7.1 | 4.8 | 3.6 | 6.0 | Lump |

BRIDGE NO. 42-0385 L&R.
TYPE: Continuous steel beams with reinf. conc. deck & substr.
SPANS: 34'-6", 43'-0", 34'-6" NBL
37'-3", 46'-6", 37'-3" SBL
ROADWAY: 2-40'-0" face to face of parapets
LOAD FREQUENCY: C.F. 2000 Adequate for AASHO alternate loading.
SKEW: 1°-37'-35" (L.F.) to local tangent.
WEARING SURFACE: 1" Monolithic conc.
APPROACH SLABS: AS-1-54 (25' long)
ALIGNMENT: 0°-28'-00" Curve right, superelevation: None




ALBION RD. - C.H. 75 Sta. 45+00 to 55+00