MILES ROAD
SLM 14.62 = MM 14.62

SFN 1814835
SLM 14.71, 78"
SEE SHEET 113
114 AND 115

SLM 14.72, 30"
SEE SHEET 67

CUYAHOGA COUNTY
CUY. 422-13.96

FED. ROAD DIVISION	STATE	PROJECT		SHEET NO.	TOTAL SHEETS
2	OHIO	U-468(8)		25	292

BM. "D" RR SPIKE IN 12" APPLE, LEFT 190'
STA. 766+20 EL. 1071.95

VILLAGE TO CITY CORPORATION LINE
℄ U.S.R. 422 STA. 765+81.08
= ℄ MILES RD. STA. 9+97.11

VILLAGE OF ORANGE
MILES RD.
CITY OF SOLON

BEGIN SHEET STA. 765+00
END SHEET STA. 775+00

STRUCTURE S-4
STRUCTURE S-5

FOR STRUCTURE S-4 DETAILS SEE SHEETS 113 TO 115
FOR STRUCTURE S-5 DETAILS SEE SH. No. 116

CONSTRUCTION LIMIT
WOODS
DEEP U.D.
SHALLOW U.D.
EXIST. WATER COURSE
EXIST. POND
CUT DITCH TO DRAIN EXISTING POND GRADE AND SEED AS DIRECTED BY THE ENGINEER. SEE SHT. 67

℄ U.S.R. 422 STA. 766+81.96
= ℄ STRUCTURE S-4 STA. 20+00

90° RT.
I.P. 103.63'
I.P. 92.38'
I.P. 41.57'
P.C. STA. 771+36.31

℄ U.S.R. 422
CURVE DATA
D = 1°-00'-00"
Δ = 30°34'-10"
R = 5729.58'
T = 1565.79'
L = 3056.44'
E = 210.10'
P.I. STA. 787+02.10

STA. 770+25 ℄
STD. MH. No. 1
T/C 1078.79

STA. 771+65.44 ℄
CT/C 1075.85

PROPOSED STRUCTURE DATA
CUY 422 - 14.65 L/R.

TYPE: CONT. STL. GIRDER/REINF. CONCRETE DECK AND SUBSTRUCTURE
SPANS: 72'6"-111'6"-72'6" C/C BRGS.
ROADWAY: 52'-0" F/F OF PARAPETS.
LOADING: H S 20-44
SKEW: 55° 35' 39" L.F.
WEARING SURFACE: 1½ ASPHALT CONCRETE.
ALIGNMENT: TANGENT.
APPROACH SLABS AS-1-67 (25' LONG).

VILLAGE OF ORANGE		CITY OF SOLON
STA. 765+00 TO STA. 765+81.08		STA. 765+81.08 - 775+00
EXCAVATION	15 CU. YD.	85,089 CU. YD.
EMBANKMENT	4,386 CU. YD	16,555 CU. YD.
SEEDING	1,691 SQ. YD.	25,637 SQ. YD.

BRIDGE LIMITS - 264.46'
STA. 767+13.51
-0.40%
PROPOSED GRADE
-0.80%
EXISTING GROUND
200' V.C.
360' @ 0.36% 30" TYPE B
116' @ 0.30% 30" TYPE C
V.P.I. STA. 769+87.50
EL. 1082.05
30" FL. 1064.70
30" FL. 1068.00
78"

ESTIMATED QUANTITIES

| SHEET NO. | 601 ROAD CONC. CLASS C CU. YD. | 602 ℄ REF. MONUM. EA. | 604 STD. C.B. TYPE 2 EA | 604 STD. C.B. TYPE 4 EA | 604 STD. MH. TYPE 1 EA | 605 PIPE UNDERDRAIN SHALLOW DEEP 6" L.F. L.F. | 606 GUARDRAIL TYPE 5 CL. III 30" L.F. | 606 GUARDRAIL TYPE 5B 30" L.F. | 606 GUARDRAIL TYPE 5 CL. III 36" L.F. | 606 GUARDRAIL TYPE 5B 36" L.F. | 606 GUARDRAIL TYPE 5 CL. III 42" L.F. | 606 GUARDRAIL TYPE 5B 42" L.F. | 606 GUARDRAIL TYPE 5 CL. III 48" L.F. | 606 GUARDRAIL TYPE 5B 48" L.F. | 606 GUARDRAIL TYPE 5 CL. III 54" L.F. | 606 GUARDRAIL TYPE 5B 54" L.F. | 606 GUARDRAIL TYPE 5 CL. III 60" L.F. | 606 GUARDRAIL TYPE 5B 60" L.F. | 606 GUARDRAIL TYPE 5 CL. III 72" L.F. | 606 GUARDRAIL TYPE 5B 72" L.F. | 606 GUARDRAIL TYPE 5 CL. III 84" L.F. | 606 GUARDRAIL TYPE 5B 84" L.F. | 606 GUARDRAIL TYPE 5 CL. III