

REQUIRED LIST

The fill between Sta. 187+25 and Sta. 190+25 to be placed and rolled in layers one-half the specified depth of the class of materials encountered in accordance with Sec. 133 of the Specifications dated Jan. 1941.

Test Hole No. 1
37' Rt. of Sta. 188+12

Old Ground	Elev. 420.60
Water	428.60
1 3/4" per 10 blows	426.95
3/4" "	426.65
1 1/2" "	426.50
1 1/4" "	426.40
1 1/8" "	426.25
2 3/8" "	425.85
3" "	425.55
3 1/2" "	425.50
0 "	425.50

Refusal

Test Hole No. 2
On & Sta. 188+58

Water Level	Elev. 430.65
Stream Bed	429.90
3" per 10 blows	428.65
1 1/4" "	428.55
1 1/2" "	428.20
1 1/8" "	427.95
10 1/4" "	427.10
5 3/8" "	426.55
3 1/8" "	426.05
3" "	425.80
3" "	425.55
1 1/4" "	425.10
1 1/4" "	425.00
2 3/8" "	424.80
2 3/8" "	424.60
1 1/4" "	424.50
1 1/4" "	424.55
1 1/4" "	424.15
6" "	423.65
6" "	423.15
3" "	422.90
2 3/8" "	422.70
5" "	422.45
2 3/8" "	422.25
4 1/2" "	421.85
1 1/4" "	421.50
2 3/8" "	421.30
3 1/2" 20"	420.50
10 1/4" 20"	419.85
3" 20"	418.95
3" 10"	418.65
5 1/2" "	418.60
0 "	418.60

Refusal

Note:-
Test Holes numbered 2, 4 and 5 were drilled in Stream Bed.

Test Hole No. 5
On & Sta. 188+82

Water Level	Elev. 431.90
Stream Bed	430.00
1 1/2" per 10 blows	428.45
1 3/8" "	427.55
6 3/4" "	427.00
4 1/4" "	426.60
7 1/2" "	426.00
3 3/8" "	425.70
5" "	425.45
1 3/4" "	425.30
5 1/2" "	425.25
7 1/8" "	425.20
2 3/8" "	425.00
5" "	424.75
1 1/4" "	424.65
1 1/2" "	424.50
1 1/2" "	424.40
1 1/2" "	424.30
1 1/2" "	424.15
3" "	424.10
1 1/2" "	424.00
3" "	423.95
0 "	423.95

Refusal

Test Hole No. 6
34' Lt. of Sta. 189+12

Old Ground	Elev. 431.85
Clay & Gravel	431.90
Water	431.90
3 3/8" per 10 blows	426.80
5 1/4" "	426.55
1 1/4" "	425.75
7 1/4" "	425.10
6 3/4" "	424.40
7 3/4" "	423.75
6 3/4" "	423.20
5 3/4" "	422.75
5 3/4" "	422.20
3 3/4" "	421.90
4 1/4" "	421.55
3 3/4" "	421.25
4 1/4" "	420.90
3 3/4" "	420.60
3 3/4" "	420.30
1 1/4" "	420.25
0 "	420.25

Refusal

Test Hole No. 4
37' Rt. of Sta. 188+44

Water Level	Elev. 430.10
Stream Bed	429.10
20 1/4" per 10 blows	427.40
2 3/8" "	427.20
6 3/4" "	426.55
1 1/2" "	426.50
5 1/8" "	426.45
2 3/8" "	426.20
2 3/8" "	426.00
0 " 20"	426.00
0 "	426.00

Refusal

GENERAL NOTE
For all Test Holes shown above a 3/4" Rod driven by a 50lb. Drop Hammer was used.
Ave. Drop of Hammer - 30"
Std. Test Sounding Device SK-301 used.

- Sta. 194+00 to Sta. 196+00
Intersection Rt. 40, I.C.V. Exc. Cl. I
28 SY. 10" N.S. Base Type B or Cr. Aggr. Base Course
- 28 SY. 2" Bit. Surf. Course HE-1
7.1 L.F. Pl. Cem. Conc. Curb Type A
- Sta. 194+30
17 1/2' 15" R.C.P. Lt.
1' F Inlet Lt.
- 3.8 1/2 C.Y. Ex. Cl. II - Outlet Ditch Lt.
- Sta. 194+30
70.6 7/2' 15" R.C.P. connect Inlets Lt. & Rt.
1- Type F Inlet Box
Using existing castings (Rt.)
- Sta. 195+60
1 Set-Reset Manhole Castings (Lt.)
- Sta. 195+65
1 C.V. Ex. Cl. II - Remove present Inlet Lt.

- Sta. 196+00 to Sta. 197+00
100 L.F. Pl. Cem. Conc. Curb Type A Rt.
- Sta. 188+65
C.R.M. Arch. 18" lg. - Ends of arch to be constructed 90° to G of arch.
S-712 - for wings only.
The bottom 2' of arch & wings to be Class B Conc. unless otherwise specified by the Engineer.
Span 16' (Nom. 13' Clear Act. 12'
Clear Roadway - 58'
45# Lbs. Pl. Steel Bars
688 C.Y. Cem. Rubble Masonry
1# C.Y. Class B' Conc.
48# C.Y. Class 2 Excav.
80 C.Y. Stone Backfill for Structure
5# C.Y. Class 1 Excav. Channel
SK-435 Approved 4-14-39
S-712 " 12-15-39

Sta. 194+15 To Sta. 194+95
7.1 C.V. Exc. Cl. I Old Pavement Removal.

