

653+68.58 OLD F.A.P. 5  
**STA. 651 + 00**  
BEGIN U.S.W.P.H. No  
OHIO W.P.H. 5 UNIT 2

Marker to be furnished and erected on the Right by the State of Ohio before acceptance of improvement.

SUMMARY OF GUARD RAIL (R)

Item No	From Sta	To Sta	R. or L.	Lin. Ft.
1-R	657+93	658+25	L	32
2-R	658+75	659+07	L	32
3-R	657+93	658+25	R	32
4-R	658+75	659+07	R	32
TOTAL				128

SUMMARY OF TREES REMOVED OVER 8" DIA.

No	Station	Ft. R. or L.	Size & Kind
1	653+56	14' to L.	18" maple
2	653+86	13' to L.	30" maple
3	654+16	11' to L.	24" maple
4	658+68	47' to R.	28" elm
5	658+97	145' to R.	24" butternut
6	659+04	151' to R.	20" elm
7	659+06	178' to R.	30" maple
8	659+56	153' to R.	14" butternut

✓ Denotes trees to be removed.

SUMMARY OF STORM SEWERS (S)

Item No	From Sta	To Sta	R. or L.	Lin. Ft.	Concl. 15"	Reinf. steel Cu. Yds.	Lbs.
1-S	657+60	658+26	R	66'	0.7		20
2-S	655+00	655+10	R	10'			
3-S	655+25	658+27	L	302'	1.4		32
TOTALS				382'	2.1		52

SUMMARY MANHOLES (M)

Item No	Station	R. or L.	No
1-M	657+58	R	1
2-M	655+10	R	1
3-M	655+25	L	1
TOTAL			3

Note: See detail of 2'-M\*3'-M on sheet 7

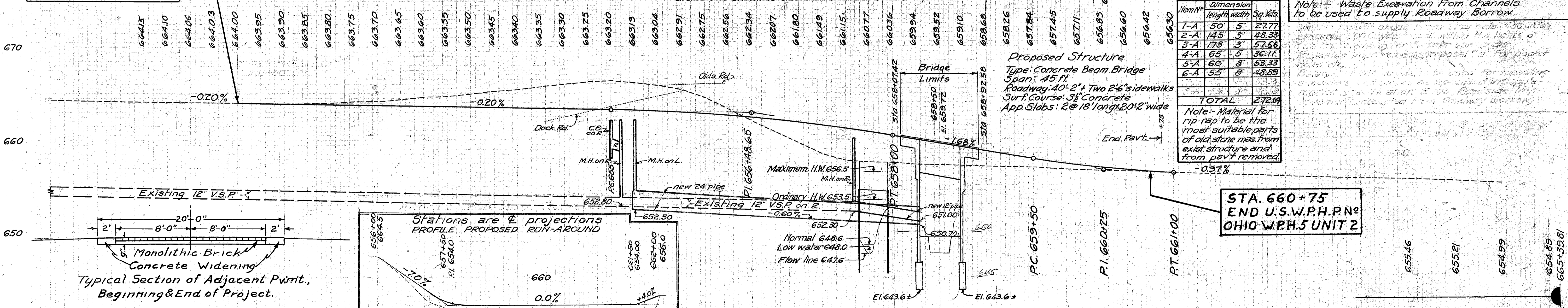
SUMMARY OF CATCH BASINS (B)

Item No	Station	R. or L.	No
1-B	655+00	R	1
TOTAL			1

SUMMARY OF TRAFFIC BOUND SIDE APPROACHES (T-17)

Station	R. or L.	For	Cu. Yds. Agg.
650+90	R	Drive	2
651+63	L	Drive	2
654+25 to 655+50	L	Approach to Gas station	46
654+55 to 657+45	R	Approach to Garage, Olds Rd. & Gas sta.	110
TOTAL			162

653+07.24 OLD F.A.P. 5  
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PAVEMENT REMOVAL

From Sta	To Sta	Length	Width	Sq. Yds.	ADDITION FOR CURVE	TOTAL
651+00	657+60	660'	20'	1320.00	69.80	1389.80
657+92	660+75	283'	20'	566.00		566.00
655+77	657+00	223'	20'	446.00		446.00
TOTAL				2332.00	69.80	2401.80

SUMMARY OF CHANNEL EXCAV. & EMB.

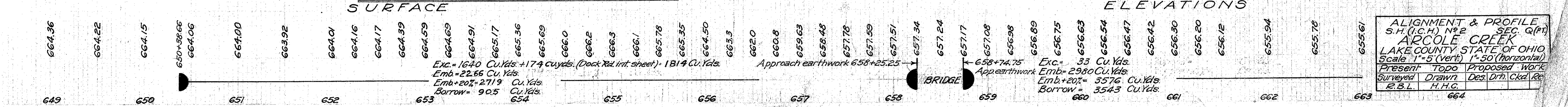
From Sta	To Sta	R. or L.	Exc.	Emb. + 20%	TOPSOIL	Remarks
663+50	665+00	30' to L.	0	505	0	223 Fill old channel
658+50	662+00	165' to L.	1581	889	399	264 Exc. new, Fill old
658+50	662+00	165' to R.	1884	0	603	0 Excav. new channel
658+50	662+00	165' to R.	729	176	41	73 Exc. new, Fill old
TOTALS			4195	1570	1043	560

(A) SUMMARY OF HAND LAID RIP-RAP

Item No	Dimension	Sq. Yds.
1-A	50' x 5'	27.77
2-A	145' x 3'	43.50
3-A	173' x 3'	51.90
4-A	65' x 5'	32.63
5-A	60' x 8'	48.00
6-A	65' x 8'	52.00
TOTAL		276.20

Note: Material for rip-rap to be the most suitable parts of old stone mas. from exist. structure and from pav't removed.

Waste Channel Exc. Including Topsoil = 3098 Cu. Yds.  
Note: Waste Excavation From Channels to be used to supply Roadway Borrow.



ALIGNMENT & PROFILE  
S.H. (I.C.H.) No 2 SEC. Q (PT)  
ARCOLE CREEK  
LAKE COUNTY STATE OF OHIO  
Scale 1"=5' (vert) 1"=50' (horizontal)  
Present Topo Proposed Work  
Surveyed Drawn Des. Dm. Cka. Re  
R.B.L. H.H.C. 664