H 8086

FED. AID DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
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STATE OF OHIO

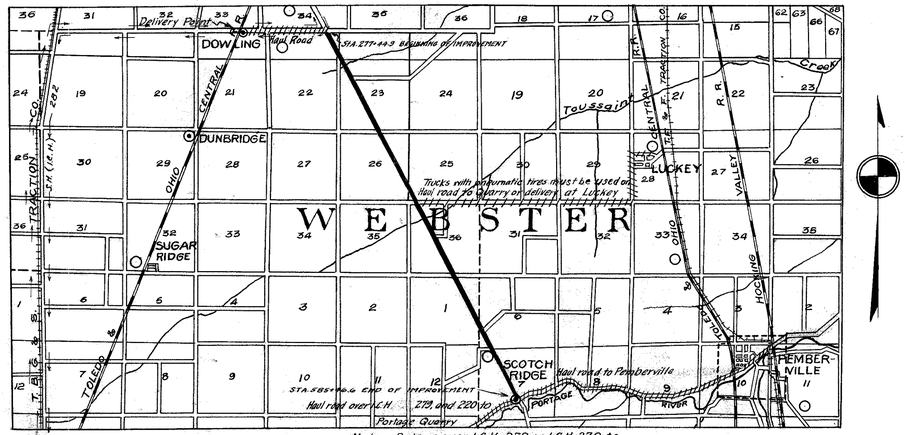
DEPARTMENT OF HIGHWAYS

PERRYSBURG FOSTORIA ROAD

S.H. (I.C.H.) NO. 273 SEC. D. PET. NO. 5334

WOOD COUNTY

WEBSTER TOWNSHIP OCT. 1927



LOCATION PLAN

SCALE OF MILES

0 1 2 3

PORTION TO BE IMPROVED

DETOURS SHOWN THUS

IMPROVED ROADS

HAUL ROADS

CONVENTIONAL SIGNS

State Line	
County Line	
Township Line	
Section Line	
Property Line not fenced	
Center Line	
City or Village Line	
Fence	
Telephone or Telegraph	T T T T
Steam Railroad	
Electric Line	
Guard Rail	
Drain Pipe - new	
Drain Pipe - old	

We, the Commissioners of Wood County, hereby approve these plans and certify that the right-of-way 60 feet wide is available for the construction, maintenance and repair of the above highway.

D J Pethtel

F E Fox

J M Beard

Date April 23 1928 County Commissioners

SCALES

Plan	1"=100'
Profile (Vertical)	1"=10'
Profile (Horizontal)	1"=100'
Cross Sections	1"=5'

INDEX OF SHEETS PROJECT TRACINGS

SUPPLEMENTAL PRINTS OF STRUCTURAL STANDARDS

Drawing Number 98-100

300
300-C
301
305-C
S.B. - 2430
B-30-2430
A5 - 2430
BR-A

S.H. (I.C.H.) ~~273~~ SR 199 SEC. D
WOOD COUNTY

The Standard Specifications of the State of Ohio, Division of Highways, in force on date of contract will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as shown on the plan and estimates.

Approved: Kell Locke
Date, 5/14/28 Resident District Deputy Director

Approved: M. L. Henahan
Date, 6-29-28 Resident Division Deputy Director

Approved: H. H. Wyss
Date, 7/2/28 Act. Chief Engineer Bureau of Construction

Approved:
Date, Chief Engineer Bureau of Maintenance

Approved: J. C. Burkey
Date, 7-11-28 Chief Engineer Bureau of Bridges

Approved: Paul D. Leighter
Date, 7/13/28 Chief Highway Engineer

Approved: Harry J. Kirk
Date, 7/13/28 Director of Highways

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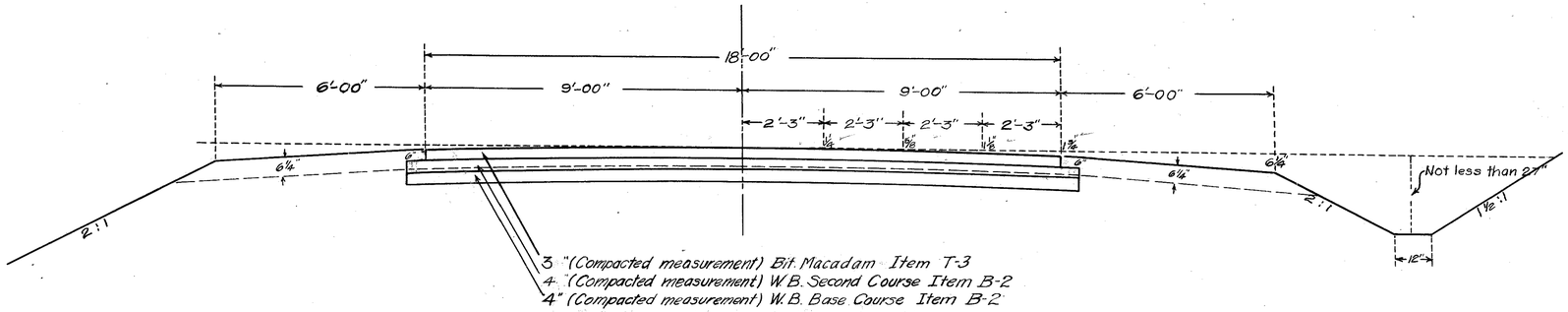
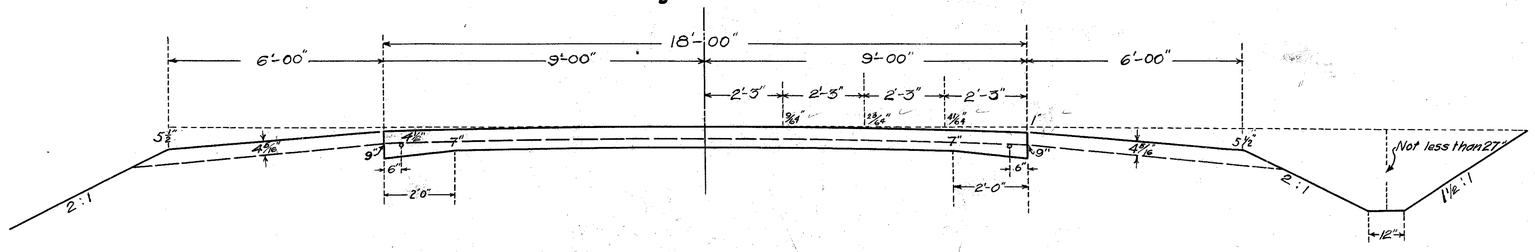
S.H. (I.CH.) 273 Sec. D.
WOOD COUNTY.
Sht 199

TYPE M-(B)
Std. Drawing No. 137



TYPE "C"
Std. Drawing No. 98 or No. 100



Note: Rough grading will be completed to the cross section indicated by the broken line for all types. All earth below the broken line for the width of the pavement and the full width of the berms shall be scarified to the depth of the sub-grade and parallel to the slope of the broken line before any excavated material is placed on the shoulders. The sub-grade shall then be prepared as provided for in the specifications for the type of pavement to be built and the material removed from the sub-grade or adjacent thereto be placed on the shoulders.

NOTE: On the Bituminous Macadam Pavement Item T-3, the Contractor shall drag the first and second seal coats. The dragging shall be done subsequent to the spreading of the covering material and while the applied bituminous material is hot.

Each application shall then be rolled as soon as possible, in accordance with the general specifications, except that the **final** seal coat shall be completely rolled, on at least five different days and whe the bituminous material is sufficiently soft to smooth the surface.

The surface planer or drag, only, will be furnished by the Department of Highways of Ohio.

The Contractor shall notify the Division Engineer at least seven days before the surface planer or drag is required for use.

Note:— Cross sections are drawn and excavation calculated for 11" of Bit Mac. pavement 18" base.
For Type M (B) pavement, finished grade to be raised above that shown on the profile sheets to correct excavation from 18 foot section shown on cross-section sheets to 19 foot section shown on Typical Cross-Section Sheet .0222'
For Type C pavement lower finished grade line .189'
Average depth of Bit. Mac. .917'
Average depth of Concrete .602'
Difference in depth .315'
Reduction in depth of trench excavation for Type C .126'
Decreased cut for Type C .126 x 18 2.268 Sq.ft.
Increased cut for Type C. 12 x .189 2.268 Sq.ft.
Excavation Remains the same

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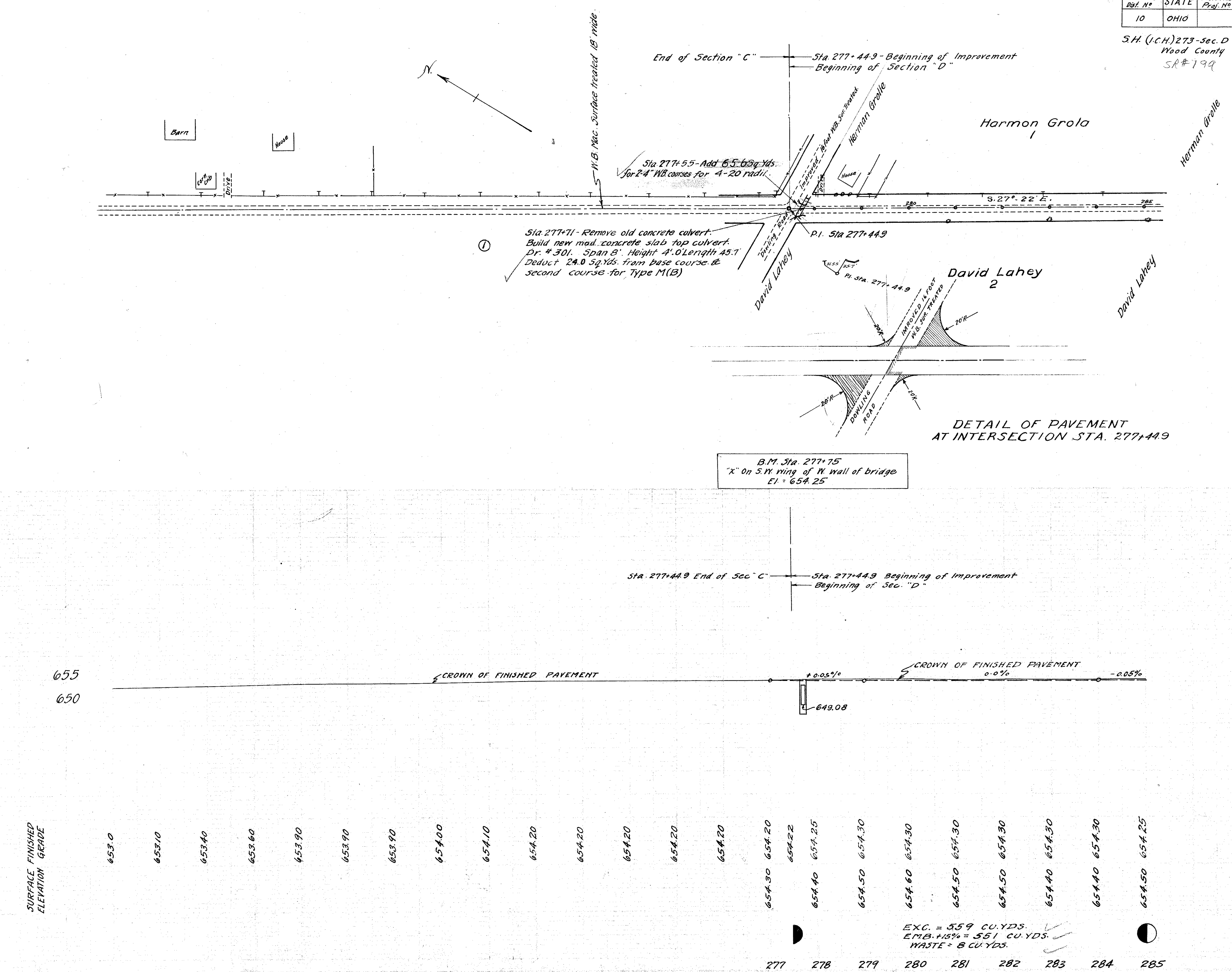
SR#199



N.
Barn
House
Corn Crib
Drive
W.B. Mac. Surface treated 18' wide
End of Section "C"
Sta. 277+44.9 - Beginning of Improvement
Beginning of Section "D"
Sta. 277+55 - Add 65.6 Sq. Yds. for 2-4" W.B. courses for 4-20 radii.
Improved 16 foot W.B. Sur. Treated.
Herman Grolle
Harmon Grola
1
House
Drive
S. 27°- 22' E.
280
285
Sta. 277+71 - Remove old concrete culvert. Build new mod. concrete slab top culvert. Dr. # 301. Span 8'. Height 4'.0' Length 45.7' Deduct 24.0 Sq. Yds. from base course & second course for Type M(B)
Dowling Road
P.I. Sta 277+44.9
David Lahey
31.55'
35.7'
P.I. Sta. 277+44.9
David Lahey
2
IMPROVED 16 FOOT W.B. SUR. TREATED
20'R
DOWLING ROAD
DETAIL OF PAVEMENT AT INTERSECTION STA. 277+44.9
B.M. Sta. 277+75
"X" On S.W. wing of W. wall of bridge
El = 654.25
Sta. 277+44.9 End of Sec. "C"
Sta. 277+44.9 Beginning of Improvement
Beginning of Sec. "D"
655
650
CROWN OF FINISHED PAVEMENT
+0.05%
CROWN OF FINISHED PAVEMENT
0.0%
-0.05%
649.08
SURFACE FINISHED
ELEVATION GRADE
653.0
653.10
653.40
653.60
653.90
653.90
653.90
654.00
654.10
654.20
654.20
654.20
654.20
654.20
654.20 654.30
654.22
654.25 654.40
654.30 654.50
654.30 654.60
654.30 654.50
654.30 654.50
654.30 654.40
654.30 654.40
654.25 654.50
EXC. = 559 CU. YDS.
EMB. +15% = 551 CU. YDS.
WASTE = 8 CU. YDS.
277
278
279
280
281
282
283
284
285

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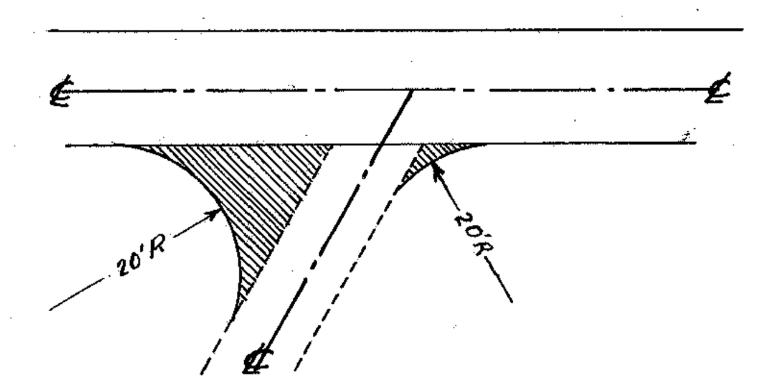
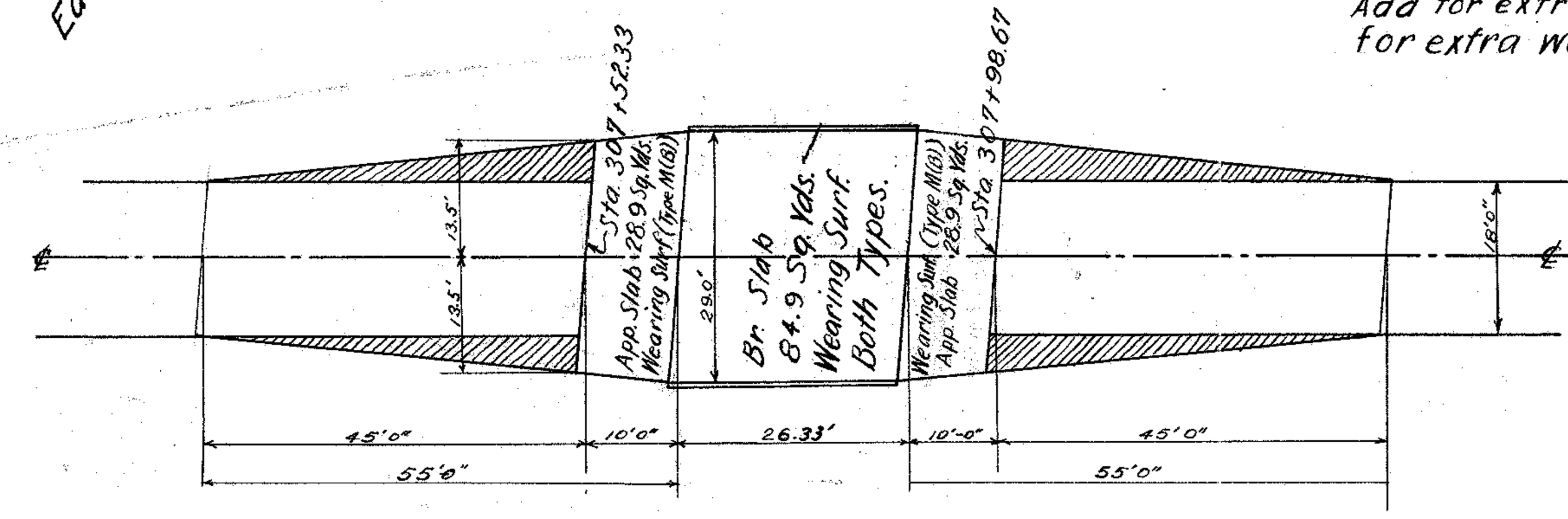


DETAIL OF PAVEMENT
AT INTERSECTION STA. 301+73



PLAN OF EXTRA PAVEMENT WIDENING
BRIDGE STA. 307+76

B.M. Sta. 286+66
S.W. Cor. Conc. br.
El. = 652.83

B.M. Sta. 301+73
N.W. point W. end S. hdwall W.
El. = 654.27

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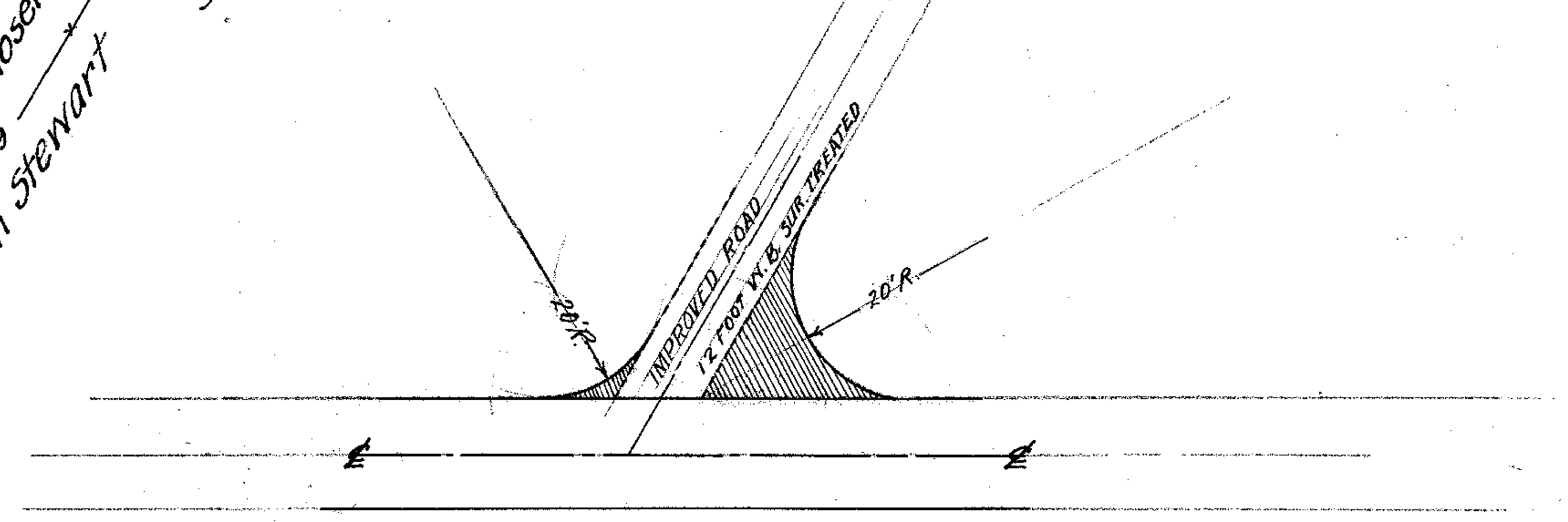

DETAIL OF PAVEMENT
AT INTERSECTION STA. 316+82.9

B.M. Sta. 316+50
R.R. Spike in 8" Maple E.
El. = 653.01

B.M. Sta. 331+05
N.W. point N. hd wall W.
El. = 654.94

B.M. Sta. 345+14
In angle point wall wing N.E. cor. barn W.
El. = 659.29

Station	Finished Grade	Surface Elevation
316	654.50	654.6
317	654.50	654.5
318	654.50	654.3
319	654.50	654.3
320	654.50	654.5
321	654.55	654.6
322	654.60	654.6
323	654.70	654.7
324	654.80	654.9
325	654.90	655.1
326	655.05	655.3
327	655.20	655.4
328	655.35	655.5
329	655.50	655.4
330	655.65	655.7
331	655.80	655.6
332	655.95	655.5
333	656.00	655.7
334	656.05	655.8
335	656.10	655.9
336	656.15	656.0
337	656.20	655.9
338	656.25	656.1
339	656.30	656.4
340	656.50	656.8
341	656.70	656.7
342	656.90	657.0
343	657.30	657.4
344	657.70	657.8
345	657.70	657.6
346	657.70	657.3
	657.70	657.2

EXC. = 431 CU. YDS.
EMB. +15% = 404 CU. YDS.
WASTE = 27 CU. YDS.

EXC. = 482 CU. YDS.
EMB. +15% = 484 CU. YDS.
BORROW = 2 CU. YDS.

EXC. = 450 CU. YDS.
EMB. +15% = 450 CU. YDS.

EXC. = 458 CU. YDS.
EMB. +15% = 456 CU. YDS.
WASTE = 2 CU. YDS.

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N.

Geo. W. Main
8

Hugh Stewart

Perry G. Roper
10

Perry G. Roper

Isaac J. Dent

Geo. W. Main

Hugh Stewart

P.I. Sta. 347+17.1
Angle = 0°-35' Rt.

P.I. Sta. 359+44.85
Angle = 1°-35' Right

P.I. Sta. 362+09.85
Angle = 1°-07 Left

S 27° 58' E

S 27° 23' E

S 25° 48' E

S 26° 55' E

Sta 362+10 - Add 65.6 Sq. Yds. for 4-20 foot radius corners (2. 4" W.B. Mac. courses)

③ Sta. 359+55 - Remove present structure. Build new Std. Concrete slab Bridge 10'X30'. Height 10'6". Deduct 59.8 Sq. Yds. from both base courses for approach slabs of bridge for Type M(B) 3" top course continuous over both. Deduct 56.7 Sq. Yds. from Type C for approach slabs of bridge. Add for extra wearing surface, both types 49.1 sq. yds. Add for extra wearing surface Type M(B) 29.6 sq. yds.

Steel Bridge

Sta 362+10 Conc. Bridge 7.5'x 4.5', 23.6 Clear Rdy.

Bridge Slab 39.7 Sq. Yds.
Wearing Surface both types

App. Slabs 96.6 Sq. Yds.
Wearing surface type M(B)

PLAN OF EXTRA PAVEMENT WIDENING
BRIDGE STA. 359+55

DETAIL OF PAVEMENT
AT INTERSECTION STA. 362+10

B.M. Sta. 362+
N.E. Cor. water trough N.
El. = 658.23

CROWN OF FINISHED PAVEMENT

655

0.0% | -0.10% | 0.0% | +0.05% | 0.0% | -0.10% | 0.0% | +0.15% | +0.05% | 0.0%

658.14
650.90
647.33

	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378
SURFACE FINISHED ELEVATION GRADE	657.20	657.20	657.20	657.40	657.20	657.10	657.10	657.10	657.20	657.30	657.20	657.30	657.30	657.20	657.10	657.50	656.80	656.60	656.70	656.80	656.90	656.70	656.80	657.20	657.30	657.50	657.70	657.90	657.80	657.50	657.70	657.5
	657.70	657.70	657.60	657.50	657.40	657.30	657.30	657.30	657.30	657.30	657.30	657.30	657.30	657.35	657.40	657.40	657.30	657.20	657.10	657.00	657.00	657.00	657.15	657.30	657.45	657.60	657.75	657.80	657.85	657.30	657.90	657.90

EXC. = 682 CU. YDS.
EMB. +15% = 684 CU. YDS.
BORROW = 2 CU. YDS.

EXC. = 445 CU. YDS.
EMB. +15% = 406 CU. YDS.
WASTE = 39 CU. YD.

EXC. = 332 CU. YDS.
EMB. +15% = 330 CU. YDS.
WASTE = 2 CU. YDS.

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B.M. Sta. 386+50
N. ret. wall of barn W.
El. = 660.50

B.M. Sta. 404+75
N.E. cor. lower house step W.
El. = 659.80

Station	Finished Grade	Surface Elevation
378	657.90	657.5
379	657.90	657.6
380	658.00	657.7
381	658.10	657.8
382	658.20	657.8
383	658.30	658.1
384	658.40	658.2
385	658.40	658.2
386	658.40	658.2
387	658.40	658.2
388	658.40	658.3
389	658.55	658.4
390	658.70	658.4
391	658.85	658.5
392	659.00	659.1
393	659.15	658.9
394	659.25	658.9
395	659.35	659.0
396	659.45	659.2
397	659.45	659.1
398	659.40	659.0
399	659.35	659.3
400	659.30	659.1
401	659.25	659.1
402	659.15	659.0
403	659.05	658.9
404	658.95	659.2
405	658.85	658.9
406	658.75	658.6
407	658.65	658.6
408	658.65	658.6
409	658.65	658.7

EXC. = 371 CU. YDS.
EMB. +15% = 371 CU. YDS.

EXC. = 466 CU. YDS.
EMB. +15% = 445 CU. YDS.
WASTE = 21 CU. YDS.

EXC. = 407 CU. YDS.
EMB. +15% = 416 CU. YDS.
BORROW = 9 CU. YDS.

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S.H. (I.C.H.)273-Sec. D.
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Station	Finished Grade	Surface Elevation	Tile
441	658.75	658.8	
	658.35		
442	658.00	657.9	
443	658.00	657.9	
444	658.00	658.2	
445	658.00	658.2	
446	658.20	658.6	
447	658.40	658.5	
448	658.40	658.7	
449	658.40	658.4	
450	658.40	658.4	
451	658.40	658.3	
452	658.55	658.4	
453	658.70	658.8	
454	658.85	658.6	
455	659.00	658.9	
456	659.15	658.9	
457	659.30	659.1	
458	659.45	659.3	
459	659.60	659.5	
460	659.60	659.5	
461	659.60	659.48	
462	659.60	659.38	
463	659.60	659.48	
464	659.70	659.68	
465	659.80	659.78	
466	660.10	660.18	
467	660.40	660.58	655.35 655.40 Tile Right
468	660.70	660.73	655.50 Tile
469	660.70	660.53	655.60 Tile
470	660.70	660.90	655.70 Tile
471	660.70	660.90	655.80 Tile
472	660.85	661.0	655.90 Tile
473	661.00	661.3	656.00 Tile

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Station	473	474	475	476	477	478	479	480	481	482	483
Tile	656.00	656.10	656.20	656.30	656.40	656.50	656.60	656.70	656.80	Tile Grade 657.00 657.10	657.20
Finished Grade	661.00	661.15	661.30	661.45	661.60	661.75	661.75	661.75	661.75	661.65	661.55
Surface Elevation	661.30	661.50	661.60	661.60	661.75	661.99	662.09	661.79	661.99	661.29	661.29

Station	484	485	486	487	488	489	490	491	492	493	494
Tile	657.30	657.40	657.50	657.60	657.70	657.60	657.50	657.40	657.30	657.20	657.10
Finished Grade	661.55	661.60	661.65	661.70	661.75	661.80	661.95	662.10	662.25	662.25	662.25
Surface Elevation	661.49	661.59	661.59	661.62	661.62	661.62	661.92	662.22	662.42	662.42	662.38

Station	495	496	497	498	499	500	501	502	503	504	505
Tile	657.00	656.90	656.80	659.50 656.70 Tile	659.40 656.60 Tile	659.30 656.50 Tile	659.20 656.40 Tile	659.10 656.30 Tile	659.00 656.20 Tile	658.90 656.10 Tile	658.60 656.00 Tile
Finished Grade	662.25	662.05	661.85	661.65	661.45	661.25	661.25	661.25	661.25	661.40	661.70
Surface Elevation	662.28	662.18	661.83	661.58	661.48	661.48	661.50	661.20	661.30	661.20	661.20

EXC. = 687 CU. YDS.
EMB. +15% = 689 CU. YDS.
BORROW = 2 CU. YDS.

EXC. = 268 CU. YDS.
EMB. +15% = 211 CU. YDS.
WASTE = 57 CU. YDS.

EXC. = 530 CU. YDS.
EMB. +15% = 530 CU. YDS.

EXC. = 626 CU. YDS.
EMB. +15% = 831 CU. YDS.
BORROW = 205 CU. YDS.

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Station	Ditch Grade	Finished Grade	Surface Elevation
505	658.60 / 656.00 Tile	661.70	661.20
		662.06	
506	655.70 / 655.50 Tile	662.42 / 662.50 / 662.50 / 662.41	663.00
507		662.20	662.20
508		661.80	661.40
509		661.70	661.55
510		661.70	661.75
511		661.70	661.85
512		661.70	661.85
513		661.80	661.95
514		661.90	662.15
515		662.00	662.15
516		662.10	662.15
517		662.20	662.25
518		662.30	662.44
519		662.40	662.44
520		662.50	662.04
521		662.60	662.44
522		662.70	662.77
523		662.80	662.52
524		662.90	662.37
525		662.90	662.67
526		662.90	662.67
527		662.90	662.71
528		662.90	662.67
529		662.90	662.49
530		662.90	662.45
531		662.90	662.45
532		662.90	662.35
533		662.90	662.35
534		662.90	662.35
535		662.90	662.55
536		662.90	662.75
537		663.00	662.92

EXC. = 555 CU. YDS.
EMB. +15% = 578 CU. YDS.
BORROW = 23 CU. YDS.

EXC. = 469 CU. YDS.
EMB. +15% = 309 CU. YDS.
WASTE = 160 CU. YDS.

EXC. = 478 CU. YDS.
EMB. +15% = 324 CU. YDS.
WASTE = 154 CU. YDS.

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Station	537	538	539	540	541	542	543	544	545	546	547
FINISHED GRADE	663.00	663.50	664.00	664.50	664.80	665.10	665.40	665.60	665.80	666.00	666.20
SURFACE ELEVATION	662.92	662.87	663.77	664.27	664.37	664.47	664.97	665.07	665.66	665.66	665.36

Station	548	549	550	551	552	553	554	555	556	557	558
FINISHED GRADE	666.40	666.60	666.80	667.00	667.07	668.11	668.13	667.83	666.87	665.80	665.30
SURFACE ELEVATION	665.76	666.06	666.26	666.46	666.78	667.38	668.88	667.58	666.78	665.23	664.72

Station	559	560	561	562	563	564	565	566	567	568	569
FINISHED GRADE	664.80	664.60	664.40	664.30	664.20	664.10	664.00	663.90	663.80	663.70	663.60
SURFACE ELEVATION	664.47	664.02	663.85	663.75	663.85	663.90	663.80	663.55	663.40	663.07	663.02

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S.H.(I.C.H) 273. Sec. D
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N.

Sta. 585+46.6-End of Section "D"
End of Improvement

Alice P Wight
572.86
C.W. Wight

C.W. Wight
44

Sta. 555+60 to Sta. 585+46 - 2980 lin. ft. tile in place. No new work required

C.W. Wight
573.60
Edwin Dunipace

Edwin Dunipace
45

Edwin Dunipace
583.0

Grace M Wight
46

Grace M Wight

Pl. Sta. 585+46.6

To Port Clinton

Traffic Bound Macadam

I.C.H. 273. To Fostoria

S. 28° 43' E

Sta. 572+40 - Std. Nº 2 catch basin required on right.

Sta. 572+40 to Sta. 585+46 - 1306 lin. ft. tile in place. No new work required.

David H. Loomis
39

David H. Loomis

David H. Loomis
530.35
Board of Education

School

Board of Education
40

Board of Education
Thos Roper
583.0

Thos. Roper
41

Thos. Roper
584.85
Holland Bowlus Co.
42

To Bowling Green

Pl. Sta. 585+46.6

Sta. 585+46.6 Add 19.2 Sq Yds for 2-20' radius corners 2-4 courses Type M (B).

DETAIL OF PAVEMENT AT INTERSECTION STA 585+46

B.M. Sta. 585+50
N.W. Cor. of lower church step
El. = 660.43

Sta. 585+46.6-End of Sec. "D"
End of Improvement

660

- 0.10%
- 0.20%
- 0.10%
CROWN OF FINISHED PAVEMENT
0.0%
+0.10%
0.0%
- 0.4%

	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585
SURFACE ELEVATION	663.02	662.93	662.97	662.62	662.52	662.42	662.16	662.06	661.91	661.56	661.66	661.66	661.71	661.67	662.62	661.67	661.02	660.32
FINISHED GRADE	663.60	663.50	663.30	663.10	662.90	662.70	662.50	662.40	662.30	662.30	662.30	662.30	662.30	662.40	662.40	662.00	661.60	660.40

EXC. = 270 CU.YDS.
EMB. 115% = 263 CU.YDS.
WASTE = 7 CU.YDS.

EXC. = 206 CU.YDS.
EMB. 115% = 186 CU.YDS.
WASTE = 20 CU.YDS.