

MICROFILMED  
OCT 19 1981

# STATE OF OHIO

## DEPARTMENT OF TRANSPORTATION

### WOO - 64 - 5.35 BISHOP ROAD CULVERT



QUANTITIES  
CALC. BY PLB DATE 4/5/78  
CHKD. BY JFM DATE 4/6/78

FED. RD. DIVISION	STATE	PROJECT
5	OHIO	HES-391(2)

WOO-BISHOP ROAD  
WOO-64-5.35

1  
9

MICROFILMED  
JAN 4 1988

**DESIGN DESIGNATION**

CURRENT ADT \_\_\_\_\_ 709 (1976) CR 208-A  
D (DIRECTIONAL DISTRIBUTION) \_\_\_\_\_ 50 %  
T (PERCENTAGE TRUCKS) \_\_\_\_\_ 4 %  
V (DESIGN SPEED) \_\_\_\_\_ 55 M.P.H.

(BRIDGE NO. 4)

(COUNTY ROAD NO. 208-A)

WOOD COUNTY

**CONVENTIONAL SIGNS**

- CENTER LINE \_\_\_\_\_
- CORPORATION LINE \_\_\_\_\_
- UNDERGROUND UTILITIES \_\_\_\_\_ STORM \_\_\_\_\_ SANITARY \_\_\_\_\_ WATER \_\_\_\_\_ GAS \_\_\_\_\_
- RIGHT-OF-WAY LINE \_\_\_\_\_ R/W \_\_\_\_\_
- PROPERTY LINE \_\_\_\_\_
- FENCE LINE \_\_\_\_\_
- UTILITY POLES \_\_\_\_\_ TELEPHONE \_\_\_\_\_ POWER \_\_\_\_\_ LIGHT \_\_\_\_\_
- VALVES \_\_\_\_\_ GAS \_\_\_\_\_ WATER \_\_\_\_\_
- TREES \_\_\_\_\_
- MISCELLANEOUS \_\_\_\_\_ HYDRANT \_\_\_\_\_ SIGN \_\_\_\_\_ MAILBOX \_\_\_\_\_ WATER METER \_\_\_\_\_
- REMOVE TREE \_\_\_\_\_
- \_\_\_\_\_ R.R. CROSSBUCK

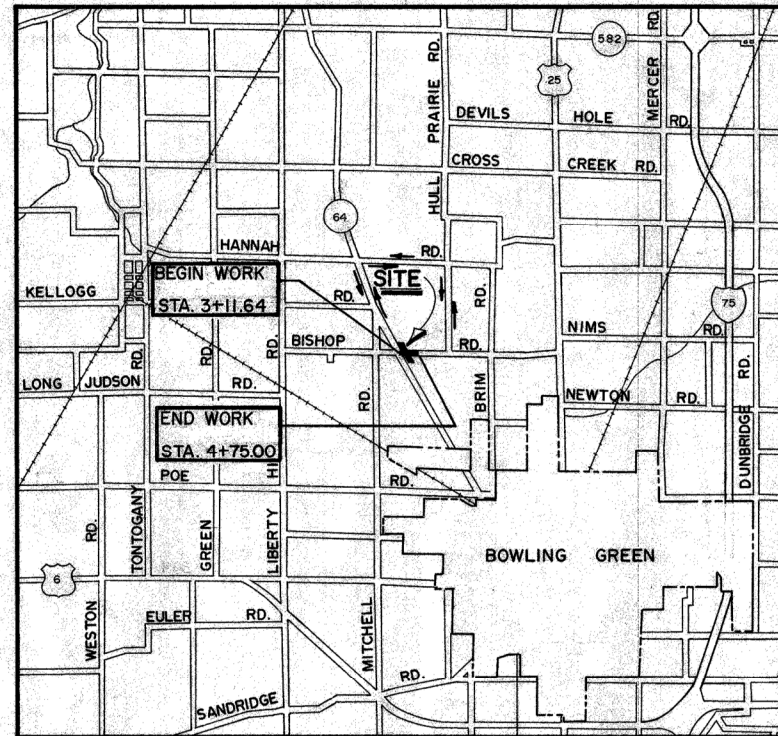
**INDEX OF SHEETS**

- TITLE SHEET \_\_\_\_\_ 1
- PAVEMENT SECTIONS \_\_\_\_\_ 2
- DETAILS & GENERAL NOTES \_\_\_\_\_ 3
- GENERAL SUMMARY, SUBSUMMARY & DESIGN DESIGNATION \_\_\_\_\_ 4
- PLAN & PROFILE \_\_\_\_\_ 5-6
- CROSS SECTIONS \_\_\_\_\_ 7
- PAVEMENT DETAILS & ELEVATIONS \_\_\_\_\_ 8
- MAINTAINING TRAFFIC \_\_\_\_\_ 9 Added, 4-1-81

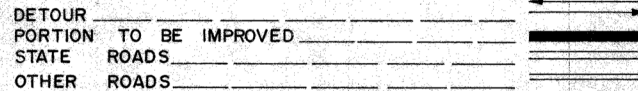
**LINE DATA**

BEGIN WORK \_\_\_\_\_ STA. 3+11.64  
END WORK \_\_\_\_\_ STA. 4+75.00  
TOTAL WORK LENGTH \_\_\_\_\_ 163.36 LIN. FT. OR 0.03 MI.

TOTAL PROJECT LENGTH \_\_\_\_\_ 0.00 LIN. FT. OR 0.00 MI.



LOCATION MAP



**SCALES**

PLAN \_\_\_\_\_  
PROFILE: HORIZONTAL \_\_\_\_\_  
PROFILE: VERTICAL \_\_\_\_\_  
CROSS SECTIONS (HORIZ. & VERT.) \_\_\_\_\_



WE, THE DULY AUTHORIZED CONTRACTUAL OFFICERS OF WOOD COUNTY DO HEREBY APPROVE THESE PLANS AND CERTIFY THAT THE NECESSARY RIGHT OF WAY IS AVAILABLE. WE DO HEREBY AGREE FOR AND IN BEHALF OF SAID COUNTY, TO MAINTAIN THE PROJECT IN A MANNER SATISFACTORY TO THE DIRECTOR OF TRANSPORTATION, STATE OF OHIO, OR HIS DULY AUTHORIZED REPRESENTATIVES AND WILL MAKE AMPLE PROVISIONS EACH YEAR FOR SUCH MAINTENANCE AND REPAIR. DONE UNDER AUTHORITY OF SECTIONS 723.01, 555.702 AND 5591.02 ET SEQ. OF THE REVISED CODE OF OHIO.

DATE 7-15-80

*James L. Anderson*  
WOOD COUNTY ENGINEER  
*John S. Amstutz*  
COMMISSIONER  
*Frank B. Radeloff*  
COMMISSIONER  
*Thomas R. Johnson*  
COMMISSIONER

**1979 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS

APPROVED \_\_\_\_\_  
DATE 8-5-80 DISTRICT DEPUTY DIRECTOR OF TRANSPORTATION

APPROVED \_\_\_\_\_  
DATE 8-19-80 ENGINEER, BUREAU OF BRIDGES AND STRUCTURAL DESIGN

APPROVED \_\_\_\_\_  
DATE 10-14-80 CHIEF ENGINEER, OPERATIONS

APPROVED \_\_\_\_\_  
DATE 2-18-81 DIRECTOR, DEPARTMENT OF TRANSPORTATION

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED \_\_\_\_\_  
DIVISION ADMINISTRATOR \_\_\_\_\_ DATE \_\_\_\_\_

PLANS PREPARED BY:  
**LESTER H. POGGEMEYER RE., INC.**  
ENGINEERS & SURVEYORS, BOWLING GREEN, OHIO

BY \_\_\_\_\_ DATE \_\_\_\_\_

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS					
DRAWING	DATE	DRAWING	DATE	DRAWING	DATE
BP-5	4-16-79	MC-3	6-1-73	HW-4B	4-1-80
GR-1	12-6-76	BP-6	6-1-65	MC-4	7-26-76
GR-2B	12-6-76	F-2	5-1-76		
GR-4	12-6-76	F-5	5-1-76		

SUPPLEMENTAL SPECIFICATIONS	
1001	1-3-77

Rev. 4-6-81

Rev. 4-1-81

77201

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OCT 19 1988

# TYPICAL SECTIONS TYPE 404 ON 304

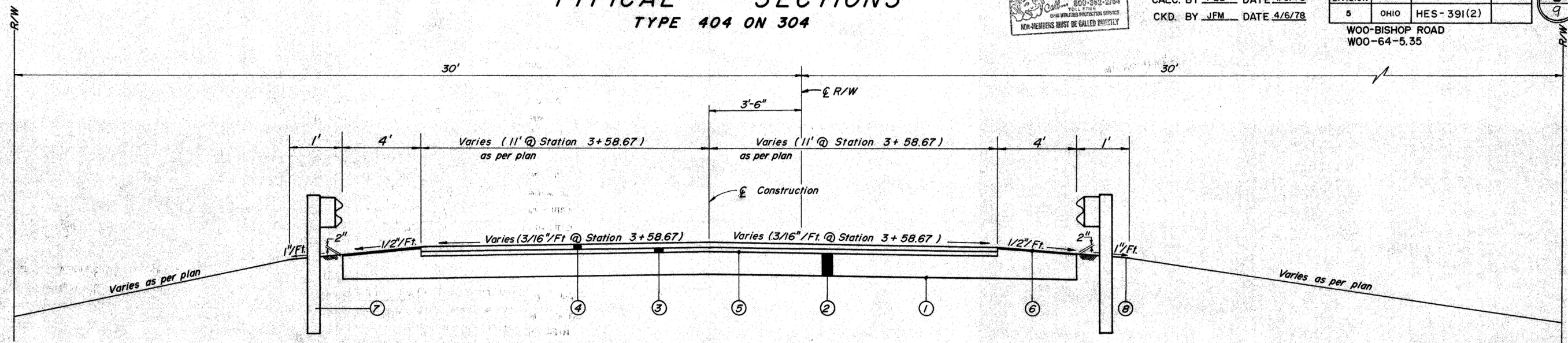


QUANTITIES  
CALC. BY PLB DATE 4/5/78  
CKD. BY JFM DATE 4/6/78

FED. RD. DIVISION	STATE	PROJECT
5	OHIO	HES-391(2)

WOO-BISHOP ROAD  
WOO-64-5.35

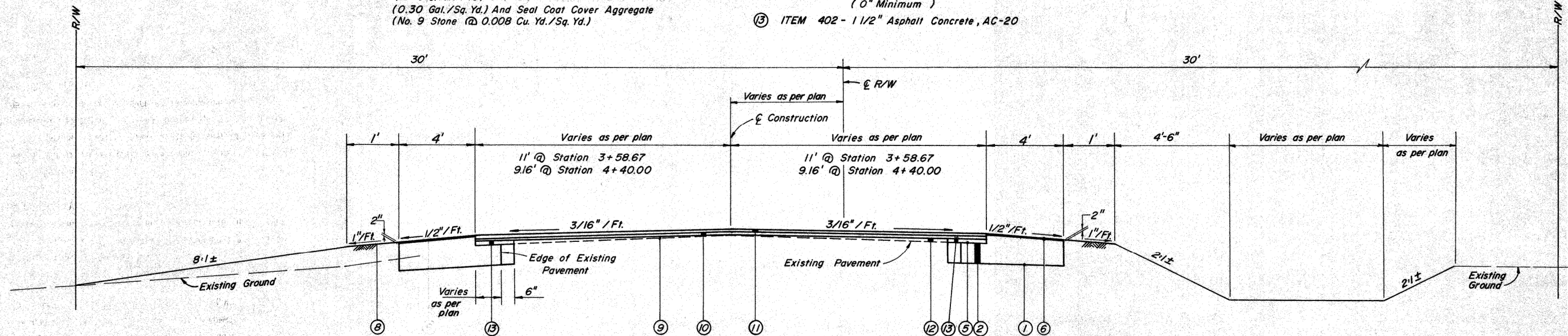
2  
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## PAVEMENT SECTION "A"

Applies From Sta. 3+11.64 To Sta. 3+58.67 = 47.03 Lin. Ft.

- |                                                                                                                                                                                                                                 |                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| ① ITEM 203 - Subgrade Compaction                                                                                                                                                                                                | ⑦ ITEM 606 - Guardrail, Type 5                                                                                         |
| ② ITEM 304 - 10" Minimum Aggregate Base                                                                                                                                                                                         | ⑧ ITEM 659 - Seeding and Mulching                                                                                      |
| ③ ITEM 402 - 2" Asphalt Concrete, AC-20                                                                                                                                                                                         | ⑨ ITEM 407 - Tack Coat (0.10 Gal./Sq.Yd.) (MS-2 or RS-1, or RS-1, RC-70 or RC-250) and Cover Aggregate (7 lb./Sq. Yd.) |
| ④ ITEM 404 - 2" Asphalt Concrete, AC-20                                                                                                                                                                                         | ⑩ ITEM 402 - 1 1/4" Asphalt Concrete, AC-20                                                                            |
| ⑤ ITEM 408 - Bituminous Prime Coat (0.40 Gal./Sq.Yd.) (RT-2 or RT-3, MC-30 or MC-70, Primer 20)                                                                                                                                 | ⑪ ITEM 404 - 1 1/4" Asphalt Concrete, AC-20                                                                            |
| ⑥ ITEM 409 - Two (2) Courses - Seal Coat Bituminous Material (MC-800 or MC-3000, CBAE-800, RS-1 or RS-2, CRS-1 or CRS-2, RT-9 or RT-10) (0.30 Gal./Sq. Yd.) And Seal Coat Cover Aggregate (No. 9 Stone @ 0.008 Cu. Yd./Sq. Yd.) | ⑫ ITEM 403 - Variable Thickness Asphalt Concrete, AC-20 (0" Minimum)                                                   |
|                                                                                                                                                                                                                                 | ⑬ ITEM 402 - 1 1/2" Asphalt Concrete, AC-20                                                                            |



## PAVEMENT SECTION "B"

Applies From Sta. 3+58.67 To Sta. 4+40.00 = 81.33 Lin. Ft.

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GENERAL NOTES

1. MAINTAINING TRAFFIC

BISHOP ROAD SHALL BE CLOSED TO THRU TRAFFIC FROM STATE ROUTE 64 TO HILL PRAIRIE ROAD WITH DETOURS AS PROVIDED BY HOOD COUNTY. LOCAL TRAFFIC SHALL BE MAINTAINED. LANE CLOSURE ON SR 64 WHEN REQUIRED SHALL BE ACCOMPLISHED AS SHOWN ON SHEET 9.

2. UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM THE BEST INFORMATION AVAILABLE. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

3. UTILITY ADJUSTMENT

THE UTILITY SECTION OF THE DISTRICT 2 OFFICE, OHIO DEPARTMENT OF TRANSPORTATION, SHALL BE CONTACTED FOR INFORMATION REGARDING ALL WORK AND EXPENSE REQUIRED FOR PUBLIC OR PRIVATE UTILITY ADJUSTMENTS UNLESS OTHERWISE NOTED ON THE PLANS. ALL ADJUSTMENTS OF EXISTING UTILITIES SHALL BE MADE BY THE OWNER OF SAID UTILITY.

4. ELEVATION DATUM

ALL ELEVATIONS ON THESE PLANS ARE HOOD COUNTY DATUM.

5. PAVEMENT AND RESURFACING

ALL NEW PAVEMENT AND RESURFACING SHALL BE IN ACCORDANCE WITH THE RESPECTIVE PAVEMENT SECTION DETAILS AND TO THE LIMITS AS SHOWN ON THE PLANS. THE PAVEMENT JOINT AT STATE ROUTE 64 SHALL BE THE BUTT TYPE WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. OTHER JOINTS SHALL BE OF THE FEATHER TYPE.

6. LOCATION OF GUARDRAIL

THE LOCATION AND LENGTH OF GUARDRAIL RUNS AS SHOWN IN THESE PLANS ARE SUBJECT TO ADJUSTMENT TO ASSURE THAT THE PLANNED INSTALLATION WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

7. FENCING

THE EXISTING FENCE ON THE NORTH SIDE OF BISHOP ROAD AND EAST SIDE OF STATE ROUTE 64 SHALL BE REMOVED PRIOR TO COMMENCING CONSTRUCTION. AT THE COMPLETION OF CONSTRUCTION A NEW WOVEN WIRE FENCE SHALL BE CONSTRUCTED ON THE RIGHT-OF-WAY LINE OF BISHOP ROAD AND TOP OF BANK ALONG STATE ROUTE 64.

8. CONTROLLED DENSITY BACKFILL

CONTROLLED DENSITY BACKFILL SHALL EXTEND THE CULVERT LENGTH BETWEEN THE EDGES OF THE STONE SHOULDER AND SHALL EXTEND TO THE UNDERSIDE OF THE AGGREGATE BASE. THE BACKFILL SHALL HAVE A COMPRESSIVE STRENGTH OF 35-1500 PSI AND A DENSITY OF 125 TO 150 LB/CU. FT.. THE BACKFILL SHALL BE CONCRETE OR APPROVED EQUAL.

9. UTILITY ADJUSTMENT

THE UTILITY SECTION OF THE DISTRICT 2 OFFICE, OHIO DEPARTMENT OF TRANSPORTATION, SHALL BE CONTACTED FOR INFORMATION REGARDING ALL WORK AND EXPENSE REQUIRED FOR PUBLIC OR PRIVATE UTILITY ADJUSTMENTS UNLESS OTHERWISE NOTED ON THE PLANS. ALL ADJUSTMENTS OF EXISTING UTILITIES SHALL BE MADE BY THE OWNER.

UTILITY OWNERSHIP

CONSUMER'S NATURAL GAS CO., FRONT STREET, CYGNET, OHIO 43413  
GENERAL TELEPHONE CO., 300 W. GYPSY LANE ROAD, BOWLING GREEN, OHIO 43402  
TOLEDO EDISON CO., 300 MADISON AVENUE, TOLEDO, OHIO 43604  
WOOD COUNTY ENGINEER, 1 COURT HOUSE SQUARE, BOWLING GREEN, OHIO 43402

10. CONNECTIONS TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

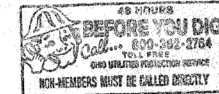
**WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL**  
The following estimated quantities are to be used as directed by the Engineer for erosion and siltation control measures.

207 30 Straw Bales

**DUST PROTECTION**

The contractor shall, when so ordered by the Engineer, protect the adjacent properties from dust. He shall keep down the dust by the use of water, or calcium chloride which ever is considered necessary by the Engineer, performed as per Item 616. The following estimated quantities are provided in the General Summary:

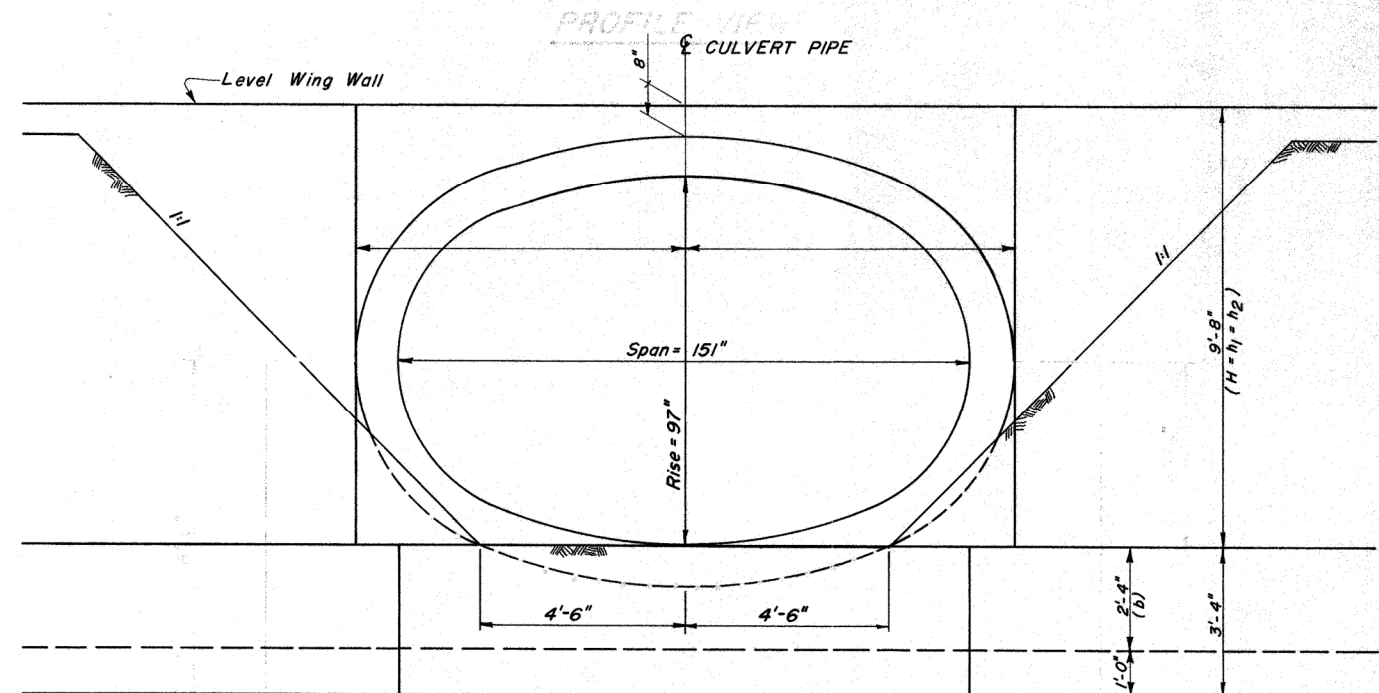
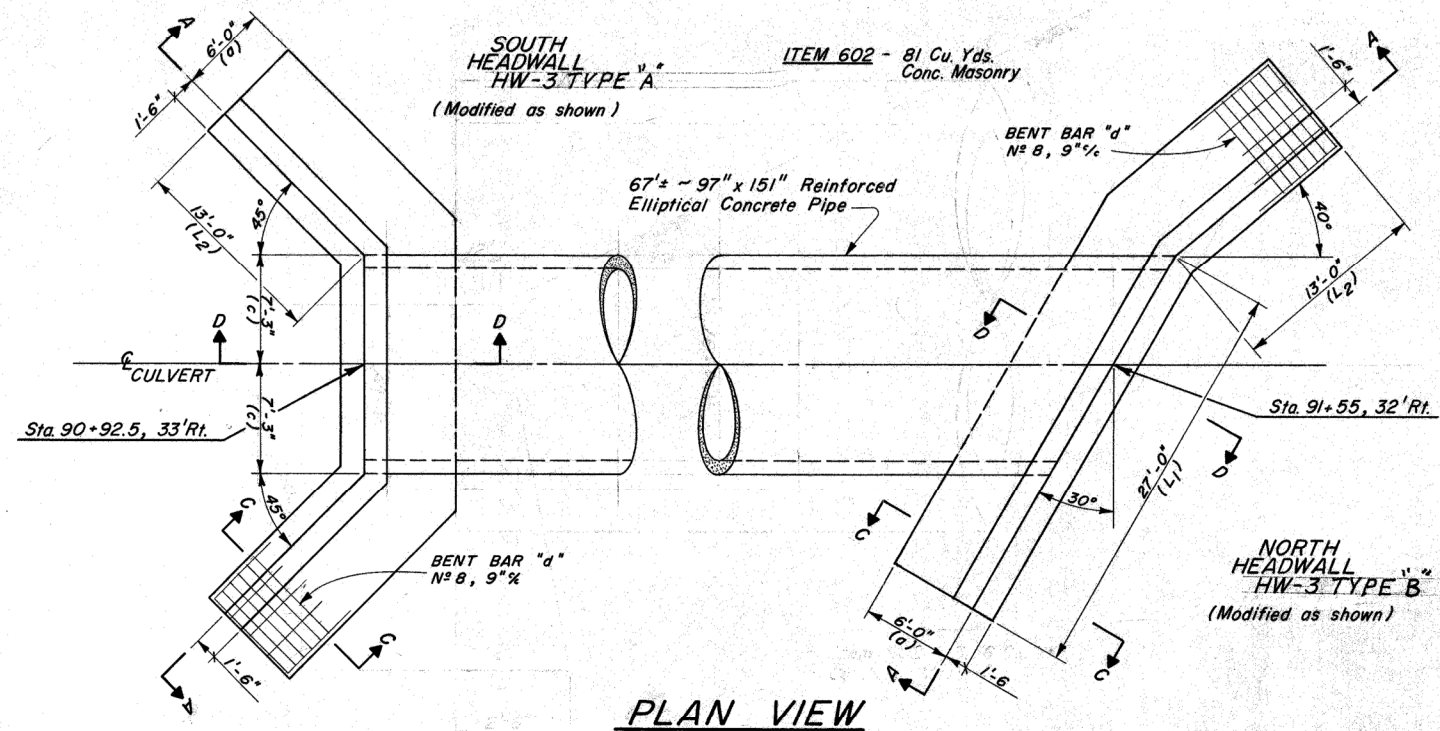
Item 616 Calcium Chloride 1 Tons  
Item 616 Water 5 M. Gall.



QUANTITIES  
CALC. BY PLB DATE 4/5/78  
CK'D. BY JFM DATE 4/6/78

FED. RD. DIVISION	STATE	PROJECT	3 9
5	OHIO	HES-391(2)	

WOO-BISHOP ROAD  
WOO-64-5.35



END VIEW  
**HEADWALL DETAIL**

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OCT 19 1981



QUANTITIES  
CALC. BY PLB DATE 4/5/78  
CKD. BY JFM DATE 4/6/78

FED. RD. DIVISION	STATE	PROJECT
5	OHIO	HES-391(2)
WOO-BISHOP ROAD WOO-64-5.35		

4  
9

### GENERAL SUMMARY

ITEM	TOTAL	UNIT	DESCRIPTION	TYPE CODE
TYPE CODE <u>Y-007</u>				
ROADWAY				
202	LUMP SUM	LUMP SUM	STRUCTURES REMOVED	
202	156	LIN. FT.	FENCE REMOVED	
203	28	CU. YDS.	EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION	
203	98	CU. YD.	EMBANKMENT	
203	171	SQ. YD.	SUBGRADE COMPACTION	
606	100	LIN. FT.	GUARDRAIL, TYPE 5	
606	2	EACH	ANCHOR ASSEMBLY	
616	5	M. GAL.	WATER	
616	1	TONS	CALCIUM CHLORIDE	
* SPECIAL	122	CU. YD.	CONTROLLED DENSITY BACKFILL *	
202	62	LIN. FT.	GUARDRAIL REMOVED	
EROSION CONTROL TYPE CODE Y005				
659	0.05	TONS	COMMERCIAL FERTILIZER	
659	521	SQ. YD.	SEEDING AND MULCHING	
207	30	EACH	STRAW BALES	
PAVEMENT				
304	88	CU. YD.	AGGREGATE BASE	
402	16	CU. YD.	ASPHALT CONCRETE, (AC-20)	
403	8	CU. YD.	ASPHALT CONCRETE, (AC-20)	
404	15	CU. YD.	ASPHALT CONCRETE, (AC-20)	
407	15	GALS.	TACK COAT (MS-2 OR RS-1, RC-70 OR RC-250)	
407	1	TONS	COVER AGGREGATE	
408	72	GAL.	BITUMINOUS PRIME COAT (RT-2 OR RT-3, MC-30 OR MC-70, PRIMER 20)	
409	41	GAL.	SEAL COAT BITUMINOUS MATERIAL (MC-800 OR MC-3000, CBAE-800, RS-1, RS-2, CRS-1 OR CRS-2, RT-9 OR RT-10)	
409	1	CU. YD.	SEAL COAT COVER AGGREGATE, NO. 9 Stone	
621	12	LIN. FT.	Stop Lines	
621	.03	Miles	Center Lines	
DRAINAGE				
602	81	CU. YD.	CONCRETE MASONRY	
603	8	LIN. FT.	8" CONDUIT, TYPE C, 706.02 OR 706.08 E.S.	
603	67	LIN. FT.	97"x15" CONDUIT, TYPE A, 706.04, CL. HE-II AS PER PLAN **	
614	LUMP SUM	LUMP SUM	MAINTAINING TRAFFIC	
619	LUMP SUM	LUMP SUM	FIELD OFFICE	
623	LUMP SUM	LUMP SUM	CONSTRUCTION LAYOUT STAKES	
624	LUMP SUM	LUMP SUM	MOBILIZATION	

### PAVEMENT CALCULATIONS

LINE No.	SHEET No.	STATION		203	304	402	402	402	403	404	404	407	407	408	409	409	606
		FROM	TO OR AT														
				SQ. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	TONS	GAL.	GAL.	CU. YD.	LIN. FT.
1	8	3+11.64	3+58.67	171	60			9						60	23	0.5	96
2	8	3+58.67	4+75.00		28	1	6		8	6		15	1	12	18	0.5	4
3																	
4																	
5																	
6																	
TOTALS TO GENERAL SUMMARY				171	88	1	6	9	8	6	9	15	1	72	41	1	100
						16			15								

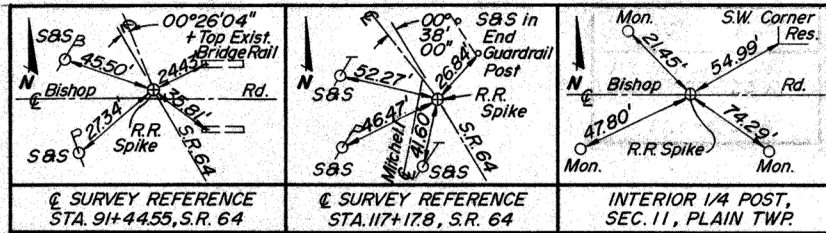
See Sheet 8 - Pavement Markings  
\* 100% County Funds  
\*\* Cost of controlled density backfill not included in price of Item 603

### DESIGN DESIGNATION

DESIGNER: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DATE: \_\_\_\_\_

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OCT 19 1981

M.H. (A.T.T.)



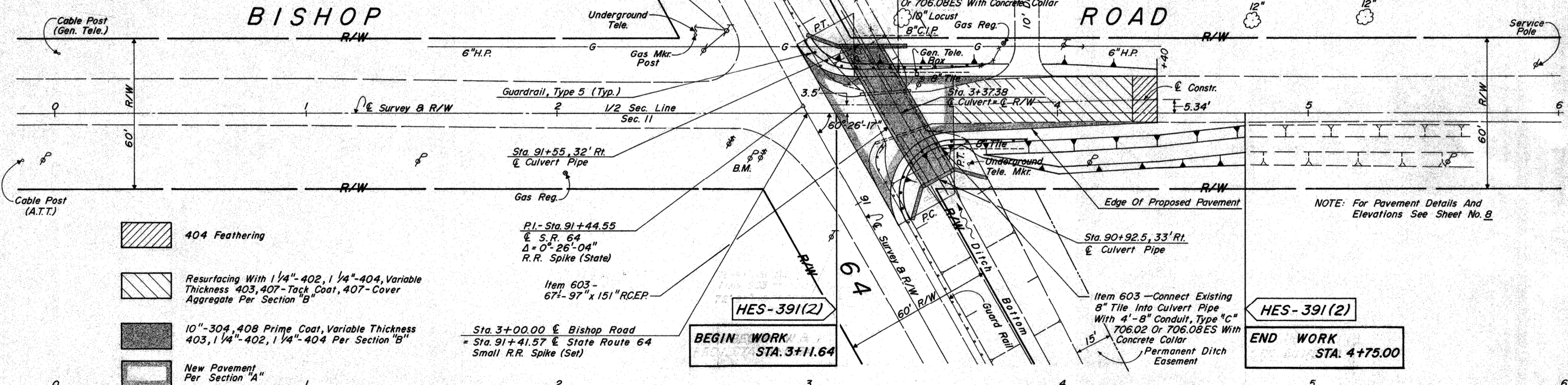
**BENCH MARK**  
PK NAIL IN POWER POLE  
AT SW CORNER S.R. 64  
AND BISHOP ROAD.  
ELEVATION = 676.26  
STA. 2+77.175' RT.  
BISHOP ROAD

**QUANTITIES**  
CALC. BY PLB DATE 4/5/78  
CKD. BY JFM DATE 4/6/78

FED. RD. DIVISION	STATE	PROJECT
5	OHIO	HES-391(2)

WOO-BISHOP ROAD  
WOO-64-5.35

5  
9



- 404 Feathering
- Resurfacing With 1 1/4"-402, 1 1/4"-404, Variable Thickness 403, 407-Tack Coat, 407-Cover Aggregate Per Section "B"
- 10"-304, 408 Prime Coat, Variable Thickness 403, 1 1/4"-402, 1 1/4"-404 Per Section "B"
- New Pavement Per Section "A"

PI- Sta. 91+44.55  
@ S.R. 64  
Δ = 0°-26'-04"  
R.R. Spike (State)

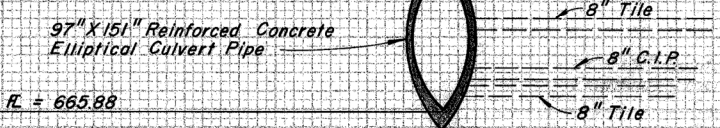
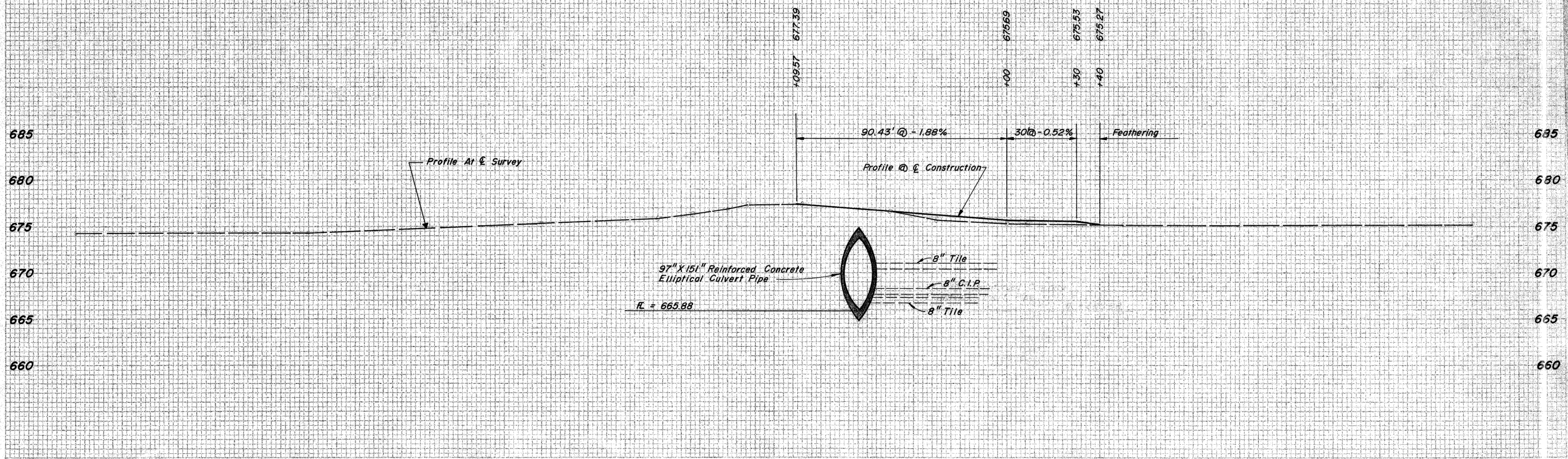
Item 603-  
67'-97" x 151" RCER

Sta. 3+00.00 @ Bishop Road  
= Sta. 91+41.57 @ State Route 64  
Small R.R. Spike (Set)

**HES-391(2)**  
**BEGIN WORK**  
STA. 3+11.64

**HES-391(2)**  
**END WORK**  
STA. 4+75.00

NOTE: For Pavement Details And Elevations See Sheet No. 8



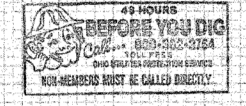


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REPRODUCTION OF ORIGINAL DRAWING  
DATE: 10/19/81  
BY: [illegible]

REPRODUCTION OF ORIGINAL DRAWING  
DATE: 10/19/81  
BY: [illegible]

QUANTITIES  
CALC. PLB DATE 4/5/78  
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FED. RD. DIVISION	STATE	PROJECT
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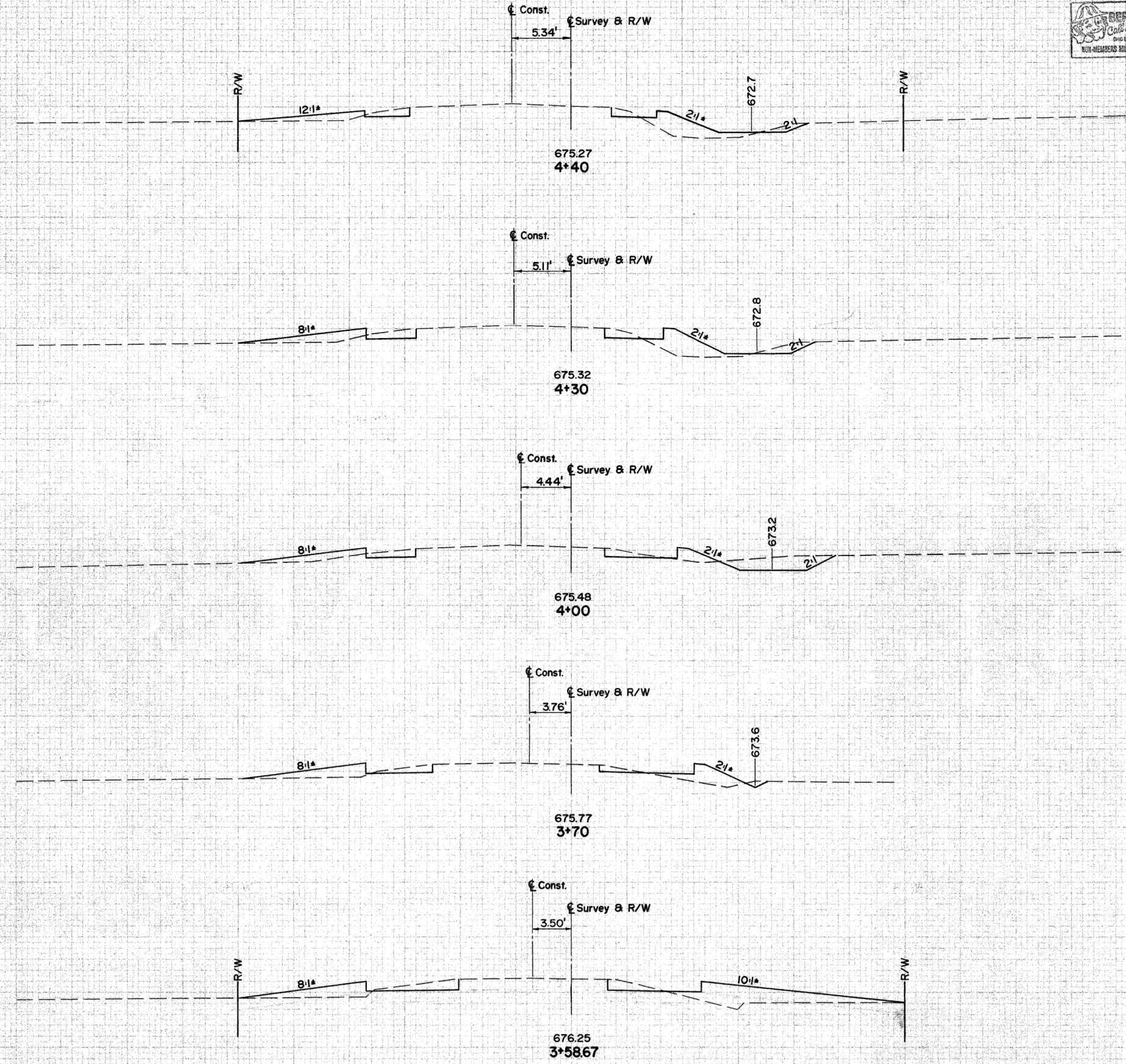
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WOO-BISHOP ROAD  
WOO-64-5.35

END STA.	AREA		VOLUME	
	SQ. FT.	CUT	CU. YD.	FILL
STA. 4+75	0	0	3	9
	5	15		
			2	6
	6	17		
			11	14
	14	9		
			10	14
	4	17		
			2	10
	7	30		
				45
<b>TOTAL</b>			<b>28</b>	<b>98</b>

680  
675  
670  
680  
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675  
670

60 50 40 30 20 10 0 10 20 30 40 50 60



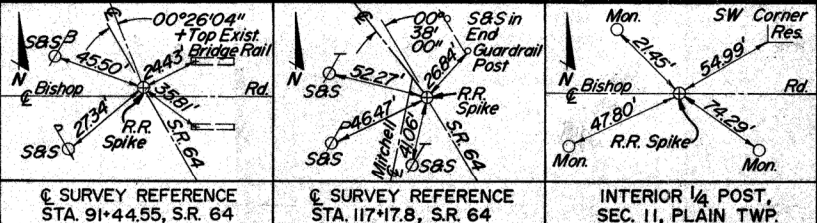
ADD FOR INTERSECTION

Rev. 4-1-81 BISHOP ROAD STA. 3+58.67 - STA. 4+40.00

77201

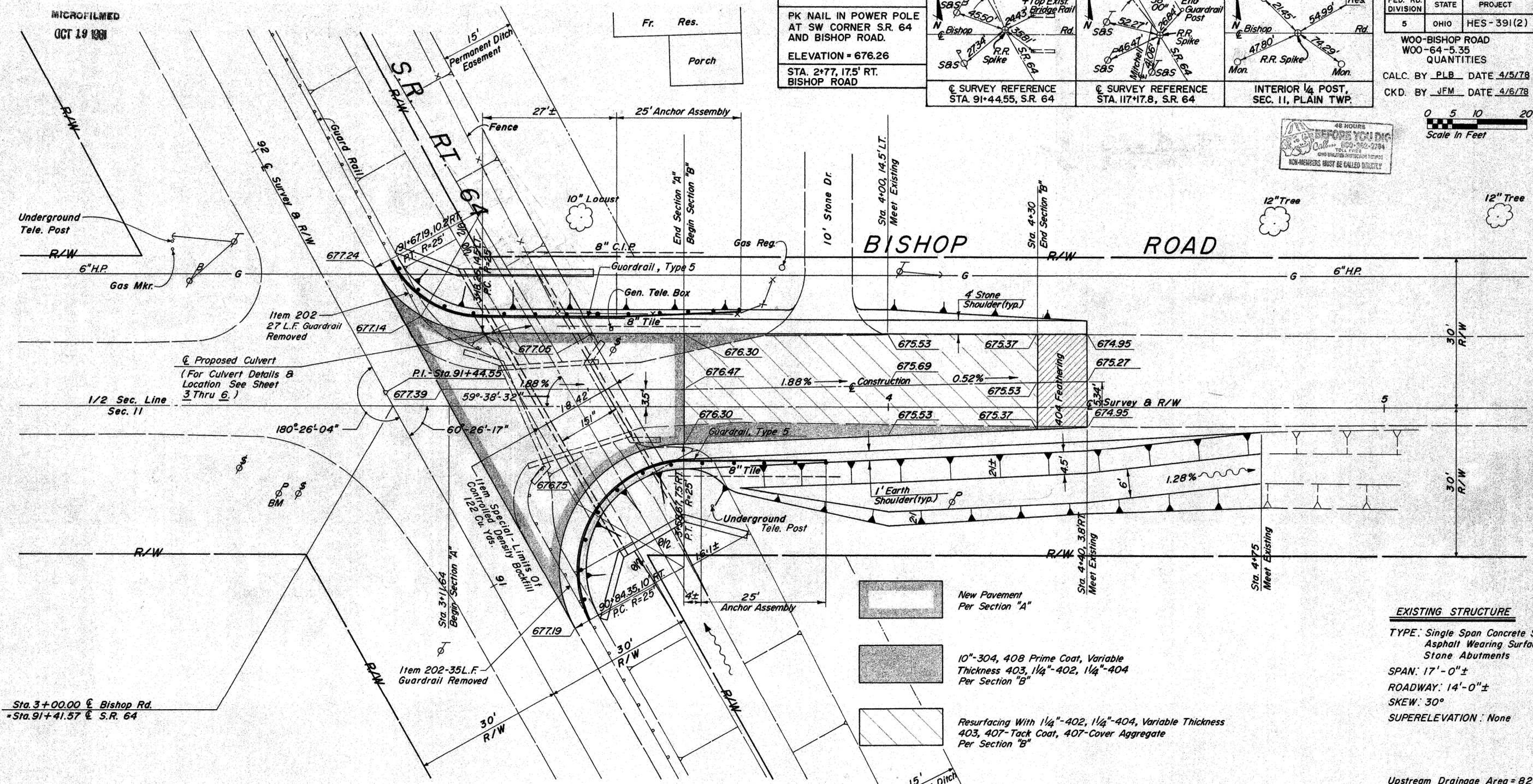
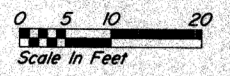
MICROFILMED  
OCT 19 1981

**BENCH MARK**  
PK NAIL IN POWER POLE  
AT SW CORNER S.R. 64  
AND BISHOP ROAD.  
ELEVATION = 676.26  
STA. 2+77, 17.5' RT.  
BISHOP ROAD



FED. RD. DIVISION	STATE	PROJECT
5	OHIO	HES-391(2)

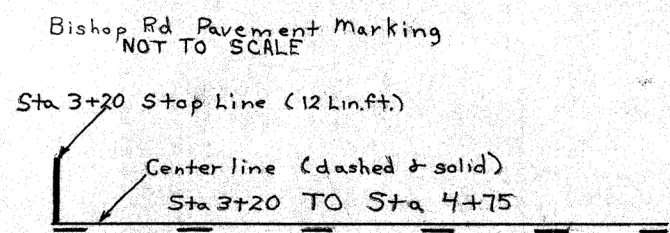
WOO-BISHOP ROAD  
WOO-64-5.35  
QUANTITIES  
CALC. BY PLB DATE 4/5/78  
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- New Pavement Per Section "A"
- 10"-304, 408 Prime Coat, Variable Thickness 403, 1 1/4"-402, 1 1/4"-404 Per Section "B"
- Resurfacing With 1 1/4"-402, 1 1/4"-404, Variable Thickness 403, 407-Tack Coat, 407-Cover Aggregate Per Section "B"

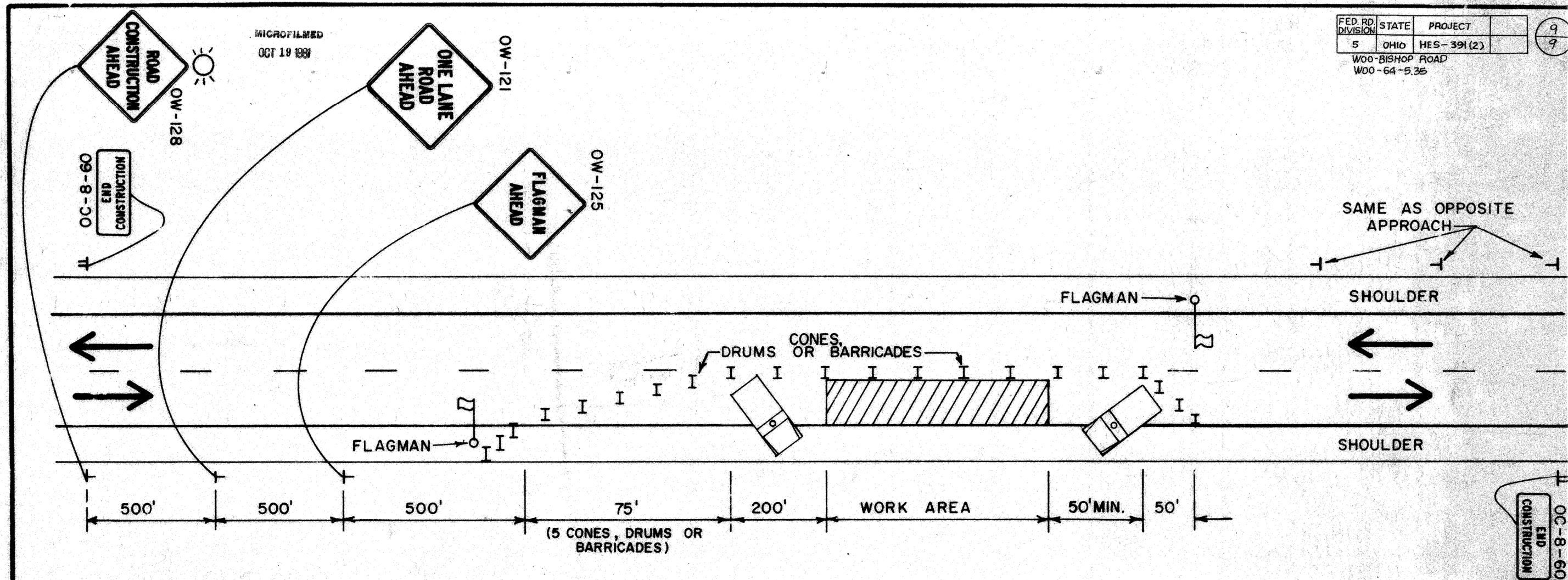
**EXISTING STRUCTURE**  
TYPE: Single Span Concrete Slab With Asphalt Wearing Surface And Stone Abutments  
SPAN: 17'-0"±  
ROADWAY: 14'-0"±  
SKEW: 30°  
SUPERELEVATION: None

Upstream Drainage Area = 821 Acres  
Design Q = Q<sub>100</sub> = 350 cfs  
Skew Angle = 59°-38'-32"  
100 yr. HW elev. = 673.77



**Note:**  
The Contractor shall be cautioned of the existence of a high pressure gas line under the headwall of the culvert.





**GENERAL NOTES**

1. FLAGMEN SHALL BE USED TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS ONE LANE OPERATION IS IN EFFECT. FLAGMAN SHALL COMMUNICATE WITH EACH OTHER AT ALL TIMES AS DESCRIBED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES IN THE SECTION "FLAGMAN CONTROL". FLAGMEN STATIONS SHALL BE ADEQUATELY ILLUMINATED FOR NIGHT-TIME OPERATIONS BY USE OF A 175 WATT MINIMUM LUMINAIRE.
2. CONES, DRUMS, OR BARRICADES SHALL BE SPACED AT 50 FOOT CENTERS FOR THE FIRST 1000 FEET OF THE WORK AREA AND AT A MAXIMUM OF 100 FEET FOR THE BALANCE OF THE WORK AREA. CONES MAY BE SUBSTITUTED FOR BARRICADES OR STEEL DRUMS FOR THE LANE CLOSURES DURING DAYLIGHT HOURS ONLY.
3. SEVERAL SMALL WORK SITES CLOSE TOGETHER SHALL BE COMBINED INTO ONE WORK AREA TO MAKE A CLOSURE NOT MORE THAN 2000 FEET LONG INCLUDING TAPERS. CLOSURES MORE THAN 2000 FEET MAY BE APPROVED BY THE ENGINEER. THE MINIMUM LENGTH BETWEEN CLOSURES SHALL BE 2000 FEET. ONLY ONE SIDE OF THE ROAD SHALL BE CLOSED IN ANY ONE WORK AREA.
4. THE WORK TRUCKS SHOWN AT EACH END OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER MEN ARE WORKING WITHIN THE WORK AREA. THESE TRUCKS SHALL BE MOVED FROM THE PAVEMENT WHENEVER WORKMEN ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE WORK TRUCKS SHOWN WHEN APPROVED BY THE ENGINEER.
5. THE TYPE B HIGH INTENSITY BARRICADE WARNING LIGHT SHOWN ON THE ROAD CONSTRUCTION AHEAD SIGN, IS REQUIRED WHENEVER NIGHT LANE CLOSURE IS NECESSARY.
6. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES. MAXIMUM SPACING SHALL BE 50' CENTER TO CENTER IN ADVANCE OF THE WORK AREA AND 200' CENTER TO CENTER WITHIN THE WORK AREA.

OHIO DEPARTMENT OF TRANSPORTATION	
FLAGMEN CLOSING 1 LANE OF A 2 LANE HIGHWAY	DATE 4/77
DR.GBD	CK.RLB

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