

# GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

17  
313

LAKE COUNTY  
LAK-2-16.49

## ITEM E-4, BORROW, USING GRANULAR MATERIAL, AS PER PLAN

MATERIAL FURNISHED FOR THIS ITEM SHALL BE AS DEFINED IN SEC. E-1.02 EXCEPT THAT AT LEAST 75 PER CENT BY WEIGHT OF THE GRAINS OR PARTICLES SHALL BE RETAINED ON A NO. 200 SIEVE. IN THE AREA BETWEEN STATIONS 779+25 AND 781+00 THIS MATERIAL MAY BE PLACED BY THE METHOD OF END DUMPING IF SURFACE WATER IS PRESENT AT THE TIME OF CONSTRUCTION. END DUMPING METHODS MAY BE USED UP TO AN ELEVATION TWO FEET ABOVE THE WATER LEVEL. ABOVE THE TWO FOOT LEVEL, EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH SEC. E-1.08. WHERE END DUMPING IS PERMITTED, NORMAL CLEARING AND GRUBBING SHALL BE PERFORMED BUT THE REQUIREMENTS OF SEC. E-1.04 FOR SCALPING AND COMPACTION OF THE FOUNDATION SHALL BE WAIVED.

## ABANDONING EXISTING GAS WELL

THIS SHALL CONSIST OF PROPERLY TREATING THE WELL FOR ABANDONMENT AS SHOWN IN THE DETAIL ON THIS SHEET. THE ABANDONED GAS WELL CASING SHALL BE CUT OFF AT LEAST 4 1/2 FEET BELOW FINISHED GRADE OR BOTTOM OF SUBBASE. COST OF THIS OPERATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR MASONRY, ITEM 1-2.

## LINE DATA CALCULATION FOR APPROACHES ALL F-329 (23)

RELOCATION MANTLE ROAD	LENGTH OF WORK
BEGIN WORK STA. 25+00.00	
END WORK STA. 40+00.00	
LENGTH	1500.00 L. F.
<b>MANTLE ROAD SPUR</b>	
BEGIN WORK STA. 4+25.00	
END WORK STA. 9+88.00	
LENGTH	563.00 L. F.
<b>RELOCATION RIVER ROAD</b>	
BEGIN WORK STA. 13+00.00	
END WORK STA. 19+87.88	
LENGTH	687.88 L. F.
<b>RECONSTRUCTION S. R. 535</b>	
BEGIN WORK STA. 29+00.00	
END WORK STA. 41+00	
LENGTH	1200.00 L. F.
<b>RECONSTRUCTION U.S. ROUTE 20 (PORTION NOT CONTAINED IN TABULATION OF S. R. 2)</b>	
BEGIN WORK STA. 96+00.00	
END WORK STA. 110+47.21	
LENGTH	1447.21 L. F.
<b>TOTAL LENGTH F-329(23)</b>	<b>5398.09 L. F.</b>
BEGIN WORK STA. 28+00	PRICE PER
END WORK STA. 33+00	PRICE PER
<b>TOTAL LENGTH OF WORK F-329(23)</b>	<b>1100 L. F.</b>

## PROPOSED SCHEDULE OF WORK AND TRAFFIC MAINTENANCE

### MANTLE ROAD & S.R. 535

TWO-WAY TRAFFIC SHALL BE MAINTAINED ON ONE OF THESE TWO ROADS AT ALL TIMES. ONE MAY BE CLOSED IN ORDER TO COMPLETE CONSTRUCTION AS REQUIRED AT EACH END TO OPEN THAT PARTICULAR ROAD TO TRAFFIC. EXISTING MANTLE ROAD SHALL REMAIN OPEN UNTIL SUCH TIME, THAT A TEMPORARY CLOSURE WOULD BE REQUIRED IN ORDER TO COMPLETELY CONNECT THE NEW RELOCATION TO EXISTING MANTLE ROAD AT BOTH ENDS. THE CONTRACTOR SHALL SCHEDULE HIS WORK SUCH THAT INGRESS AND EGRESS FOR THOSE RESIDENTS SERVED BY MANTLE ROAD SPUR AND THE RELOCATION OF RIVER ROAD ARE AVAILABLE AT ALL TIMES.

WORK ON THE RELOCATION OF MANTLE ROAD AND RECONSTRUCTION OF S.R. 535 SHALL BE SCHEDULED SUCH THAT NEITHER WILL BE CLOSED TO THROUGH TRAFFIC DURING A WINTER SEASON.

### BACON ROAD

THE CONSTRUCTION OF THE BOX CULVERT REQUIRED ON THIS ROAD SHALL BE FULLY COMPLETED BEFORE TRAFFIC IS ALLOWED TO USE FRONTAGE ROAD "B" AS A TEMPORARY RUNAROUND, AS DESCRIBED BELOW.

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON BACON ROAD DURING THE MORNING AND EVENING PEAK TRAFFIC PERIODS AS DIRECTED BY THE

## PROPOSED SCHEDULE OF WORK AND TRAFFIC MAINTENANCE (CONTINUED)

### BACON ROAD (CONTINUED)

ENGINEER. THIS ROAD MAY BE CLOSED TO TRAFFIC FOR A PERIOD NOT TO EXCEED TWO HOURS, EXCEPT DURING THE PEAK TRAFFIC HOURS. PEAK TRAFFIC HOURS ARE CONSIDERED AS DAILY (EXCEPT SUNDAYS) FROM 6 A.M. TILL 8 A.M., FROM 2 P.M. TILL 6 P.M. AND FROM 11 P.M. TO 12 P.M., WHICH ARE CONSIDERED AS LOCAL TIME REGARDLESS OF THE SEASON.

THE CONTRACTOR SHALL SAFEGUARD THE TRAVELING PUBLIC ON BACON ROAD BY PROVIDING PLATFORMS, NETS, OR OTHER SUITABLE PROTECTION ABOVE THE TRAVELED LANES. PAYMENT TO BE INCLUDED IN LUMP SUM PRICE BID FOR "MAINTAINING TRAFFIC".

### FRONTAGE ROAD "B"

THIS ROAD SHALL BE USED AS A TEMPORARY RUNAROUND WHILE WORK ON THE RECONSTRUCTION OF U.S. ROUTE 20 IS ACCOMPLISHED. THROUGH TRAFFIC ON U.S. 20 SHALL BE MAINTAINED VIA FRONTAGE ROAD "B" TO BACON ROAD THENCE SOUTHERLY ON BACON ROAD TO EXISTING U.S. 20 AND CONVERSELY. FRONTAGE ROAD "B" SHALL NOT BE USED AS A TEMPORARY RUNAROUND UNTIL THE BOX CULVERT ON BACON ROAD IS COMPLETED AND NORMAL TWO-WAY TRAFFIC ON BACON ROAD IS RESTORED.

AFTER THIS ROAD IS NO LONGER USED AS A TEMPORARY RUNAROUND, IT SHALL BE RESTORED TO A SUITABLE CONDITION AS APPROVED BY THE ENGINEER. FRONTAGE ROAD "B" SHALL REMAIN IN PLACE AND SHALL NOT BE REMOVED AS IS NORMALLY REQUIRED FOR TEMPORARY RUNAROUNDS.

### U.S. ROUTE 20

TWO-WAY TRAFFIC SHALL BE MAINTAINED ON U.S. 20 UNTIL FRONTAGE ROAD "B" IS COMPLETED FOR USE AS A TEMPORARY RUNAROUND, AFTER WHICH, U.S. 20 MAY BE CLOSED EXCEPT FOR INGRESS AND EGRESS OF LOCAL RESIDENTS. CONTRACTOR SHALL SCHEDULE WORK ON THIS ROAD TO INSURE THAT U.S. 20 IS NOT CLOSED TO TRAFFIC OVER A WINTER SEASON.

### RIVER ROAD AND SPRING LAKES BOULEVARD

THESE ROADS MAY BE CONSTRUCTED ANY TIME IT SHALL BE CONVENIENT TO COMPLETE THE WORK AS DIRECTED BY THE ENGINEER, SO LONG AS INGRESS AND EGRESS FOR LOCAL RESIDENTS ARE MAINTAINED.

### GENERAL

THE CONTRACTOR SHALL INSURE PROPER INGRESS AND EGRESS FOR ALL LOCAL RESIDENTS WHERE REQUIRED ON MANTLE ROAD SPUR, RIVER ROAD, MANTLE ROAD, S.R. 535, BACON ROAD, SPRING LAKES BOULEVARD (NORTH), AND IN THE VICINITY OF THE CONNECTION OF THE DIRECTIONAL ROADWAYS WITH U.S. ROUTE 20.

TEMPORARY ROADWAYS WILL BE NECESSARY FOR MAINTENANCE OF TRAFFIC. SUCH TEMPORARY ROADWAYS SHALL BE SURFACED WITH ITEM T-10 AGGREGATE AND STABILIZED WITH ITEM I-4 CALCIUM CHLORIDE. THESE ITEMS SHALL BE APPLIED WHERE DIRECTED AND IN AMOUNTS REQUESTED BY THE ENGINEER. THE LIMITS AND DURATION OF USE OF ALL TEMPORARY ROADWAYS SHALL BE HELD TO AN ABSOLUTE MINIMUM AND, IN ALL CASES, SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

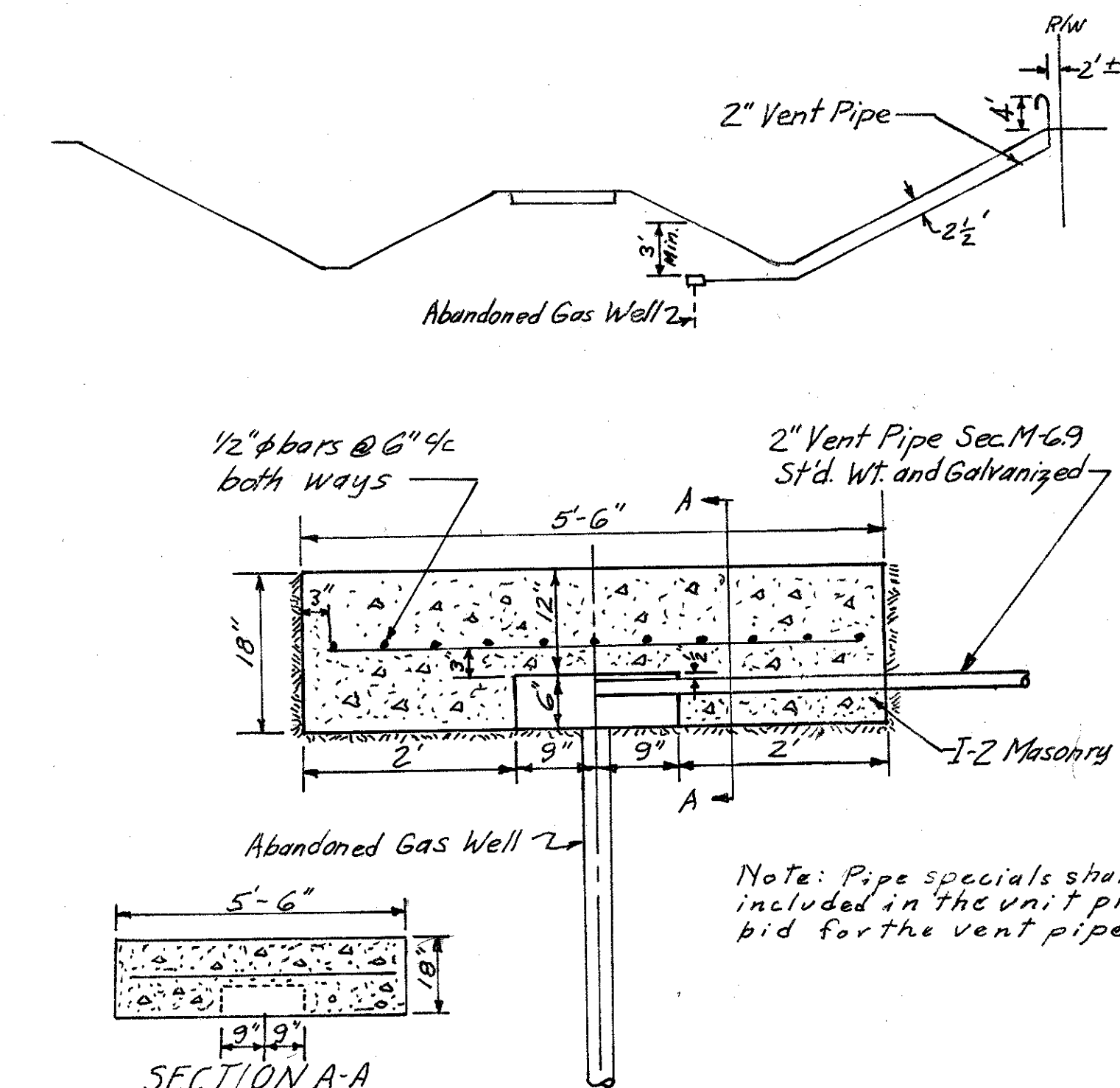
PAYMENT FOR CONSTRUCTION, MAINTENANCE, AND SUBSEQUENT REMOVAL, WHEREVER REQUIRED, OF TEMPORARY ROADWAYS, EXCEPT FOR FURNISHING AND PLACING OF ITEMS I-4 AND T-10 FOR MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "MAINTAINING TRAFFIC". I-4 AND T-10 REQUIRED FOR MAINTENANCE OF TRAFFIC IS PROVIDED IN THE SUMMARY OF QUANTITIES IN THE FOLLOWING AMOUNTS:

300 CUBIC YARDS TRAFFIC COMPACTED SURFACE COURSE, ITEM T-10, FOR MAINTAINING TRAFFIC USING NO. 2, NO. 3 OR NO. 34 SIZE AGGREGATE AS DIRECTED.

200 CUBIC YARDS TRAFFIC COMPACTED SURFACE COURSE, ITEM T-10.

6 TONS CALCIUM CHLORIDE, ITEM I-4.

SEE NOTE FOR LIGHTS, SIGNS AND BARRICADES ON SHEET 2.



ABANDONED GAS WELL VENT DETAIL