

# DEPARTMENTAL CORRESPONDENCE

TO Mayor Brodell DEPT Mayor's Office  
FROM Jeff Gibson DEPT Public Works  
SUBJECT Bridge repair and/or replacement DATE January 30, 1987

I talked to Mr. Charles Venable of the AHDT and he told me that if we built a new 24' X 60' bridge without a sidewalk it would cost approximately \$50,400 plus bank work and asphalt as needed and removing the existing bridge.

Also, he said that a new 24' X 81' bridge without sidewalks would cost approximately \$68,040 plus the same additional costs. But, to build a bridge that would meet AHDT requirements for width (28' X 81'), it would cost approximately \$79,380 plus the same additional costs.

*Jeff*

**R. L. McBRIDE CONSTRUCTION  
LAFÉ, AR**

**ESTIMATE TO REPAIR BRIDGE ON G. E. DRIVE**

**ALTERNATE I**

Put the bridge back like it is with new pilings on 5 pile bents, remove old pilings and attach utilities - \$55,000.00

**ESTIMATE TO REPLACE BRIDGE ON G. E. DRIVE**

**ALTERNATE II**

Install two (2)-25 ft. spans and one (1)-31ft. span with parapet rails for a total of 81 ft. - \$80,000.00 to \$90,000.00

REPAIR EXISTING BRIDGE ON G. E. DRIVE

ESTIMATES ONLY

1. Remove deck slabs	\$ 5,000.00
2. Remove pile bents	2,000.00
3. Remove pilings	2,000.00
4. New test pilings	5,040.00
5. 35 cu. yds. Class S concrete	8,750.00
6. New pilings	11,970.00
7. New pile bents	27,000.00
8. Rip-rap 100 tons @ \$31.40	3,130.00
9. Asphalt paving 266 Sq.yds.(30 tons) @\$30.00	900.00
10. Engineering costs	6,580.00
Estimated total	<u>\$72,380.00</u>

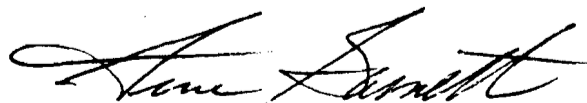
BRIDGE REPLACEMENT ON G. E. DRIVE

PRECAST BRIDGE

ESTIMATES ONLY

1. Excavation for structure	\$ 1,000.00
2. 35 cu. yds. Class S concrete	8,750.00
3. 6 - 31' rail units @ \$2,773.00	13,038.00
4. 6 - 31' curb units @ \$1,878.00	11,268.00
5. 18 - 31' Interior units @ \$1,547.00	27,846.00
6. 4,000 lbs. reinforcing steel @ 40¢/lb.	640.00
7. 630 L. F. 16" Octonal piling @ \$19.00	11,970.00
8. 70 L. F. test piling @ \$72.00	5,040.00
9. Approach gutters, Type J 2 @ \$632.00	1,264.00
10. Rip-rap 100 tons @ \$31.40	<u>3,140.00</u>
Subtotal	83,956.00
11. Removal of existing bridge (Using City crews)	2,000.00
12. Equipment rental, Crane, etc... Asphalt work, etc...	5,000.00
13. Engineering costs	9,095.60
Estimated Total	<u>100,051.60</u>

The above estimates were based on thorough inspection of the bridge by myself, Jeff Gibson and three reputable bridge contractors. I used the weighted average unit prices for the calendar year 1986 as used by the Arkansas Highway Department for estimates. The New bridge prices are based on three (3) - 31 ft. spans with parapet rail units.



**J. W. GITHENS CO.  
POPLAR BLUFF, MO**

**ALTERNATE I                    ESTIMATE TO REPAIR EXISTING BRIDGE  
   CONSISTING OF THE FOLLOWING:**

Remove old slabs, remove old structures, install new concrete pilings with 5 bents, install new concrete caps, construct concrete backwalls, replace slabs with new galvanized bolts - \$49,000.00

**ALTERNATE II                    ESTIMATE TO CONSTRUCT NEW 75' BRIDGE**

Price with the City disposing of old bridge pilings and ect.. - \$103,500.00

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**HILL BROTHERS  
FAULKNER, MS**

**ALTERNATE I            ESTIMATE TO REPAIR EXISTING BRIDGE  
                             CONSISTING OF THE FOLLOWING:**

Remove old slabs, remove old structures, install new concrete pilings with 5 bents, install new concrete caps, construct concrete headwalls, replace slabs with new galvanized bolts - \$83,500.00

**ALTERNATE II           ESTIMATE TO CONSTRUCT NEW 75' BRIDGE**

Price with the City disposing of old bridge pilings and etc.. - \$122,000.00

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