

HLP (ALTERNATIVE)
21 NOV. 83 LT.

A0006769

ORLEANS PARISH SIDE (N. OF HAMMOND HWY.)
539 to 546 (APPROXIMATELY)

SAME AS FIRST ESTIMATE

REINFORCED CONCRETE

$12.2 + 25.7 = 37.9 + 175.1 = 213 \text{ c.y.}$

P2-27 STEEL SHEET PILING 5572.8 \square'

HP 14x102 STEEL PILES 1858 L.F.

10" x10" CREOSOTED TIMBER WALES 180 L.F.

STRUCTURAL STEEL (TIE BACK SYSTEM) 5800 #

STRUCTURAL EXCAVATION $247.9 + 200.6 = 448.5 \text{ c.y.}$

STRUCTURAL BACKFILL $201.6 + 150.5 = 352.1 \text{ c.y.}$

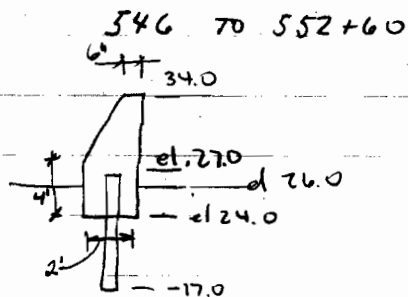
PMA-22 STEEL SHEET PILING 9652 \square'

3-BULB WATER STOP 114.7 LF

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ORLEANS PARISH SIDE (N. OF HAMMOND HWY)



REINFORCED CONCRETE CAP

$$\left[(4 \times 2) + \left(\frac{2.5}{2} \times 6 \right) \right] 713' \times \frac{1}{27} = 409.3 \text{ CY.}$$

P2-38 STEEL SHEET PILING

$$44' \times 713' = 31,372 \text{ } \square'$$

STRUCTURAL EXCAVATION

$$2' \times 6' \times 713' \times \frac{1}{27} = 316.9 \text{ CY.}$$

STRUCTURAL BACKFILL

$$2(2' \times 2') \times 713' \times \frac{1}{27} = 211.2 \text{ C.Y.}$$

3-BULB WATER STOP

$$\frac{713}{30} \times 10' = 237.7 \text{ L.F.}$$

PROPPED WALL (CAPPED SHEET PILING)

REINFORCED CONCRETE 11.2 CY

P2-27 STEEL SHEET PILING 4305.5 \square'

TIMBER PILES 1245 L.F.

10" x 10" TIMBER WALES 176 L.F.

STRUCTURAL STEEL 650 #

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JEFFERSON PARISH SIDE

539 TO 552 (N. OF HAMMOND HWY).

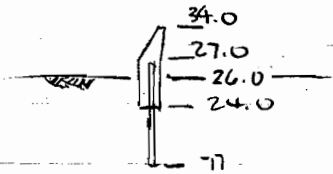
SAME AS FIRST ESTIMATE

REINFORCED CONCRETE 118.1 + 450.3 = 568.4 C.Y.P2-27 STEEL SHEET PILING 44,004 0'TREATED TIMBER PILES 26,634 L.F.10" X 10" CREOSOTED TIMBER WALES 2895 L.F.STRUCTURAL STEEL 62,000 #STRUCTURAL EXCAVATION 2412.5 C.Y.STRUCTURAL BACKFILL 1,961.8 C.Y.

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ORLEANS & JEFFERSON PARISH SIDES (S. OF HAMMOND HWY)
554 to 589 (APPROXIMATELY) (5588') 553 + 12 → 589 + 0

REINFORCED CONCRETE



$$2 \times \left(2' \times 4' + \frac{2.5}{2} \times 6 \right) 5588' \times \frac{1}{27} = 6415.9 \text{ c.y.}$$

PZ-38 STEEL SHEET PILING

$$2 (44' \times 5588') = 491,744 \text{ D'}$$

STRUCTURAL EXCAVATION

$$2 (2' \times 6' \times 5588') \times \frac{1}{27} = 4967.1 \text{ c.y.}$$

STRUCTURAL BACKFILL

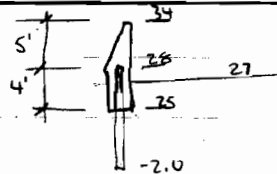
$$2 \left[2(2' \times 2') 5588' \times \frac{1}{27} \right] = 3311.4 \text{ c.y.}$$

3-BULB WATER STOP

$$2 \left[\frac{5588}{30} \times 10' \right] = 3725.3 \text{ L.F.}$$

ORLEANS & JEFFERSON PARISH SIDES (S. OF HAMMOND HWY.)
589 to 614 (2500')

REINFORCED CONCRETE CAP



$$2 \left[(4' \times 2') + \left(\frac{2.5' \times 5' \right) \right] 2500' \times \frac{1}{27} = 2638.9$$

P2-27 STEEL SHEET PILING

$$(36' \times 2500') 2 = 180,000 \text{ sq. ft.}$$

STRUCTURAL EXCAVATION

$$2 (2' \times 6' \times 2500') \times \frac{1}{27} = 2222.2 \text{ cy.}$$

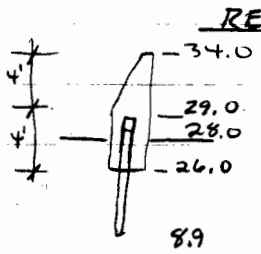
STRUCTURAL BACKFILL

$$2 [2(2' \times 2') \times 2500'] \times \frac{1}{27} = 1481.5 \text{ cy.}$$

3-BULB WATERSTOP

$$2 (2500/30 \times 9') = 1500 \text{ L.F.}$$

ORLEANS & JEFFERSON PARISH SIDES (S. OF HAMMOND HWY.)
 614 to 625 (1100')



REINFORCED CONCRETE

$$2 \left[(4 \times 2) + \left(\frac{2.5}{2} \times 4 \right) \right] 1100 \times \frac{1}{27} = 1059.3 \text{ c.y.}$$

P2-22 STEEL SHEET PILING

$$2 (20' \times 1100') = 44,000 \text{ sq'}$$

STRUCTURAL EXCAVATION

$$2 (2' \times 6' \times 1100') \times \frac{1}{27} = 977.8 \text{ c.y.}$$

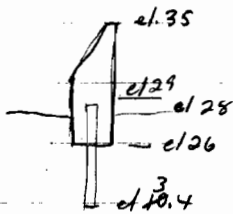
STRUCTURAL BACKFILL

$$2 \left[2 (2' \times 2') \times 1100' \right] \times \frac{1}{27} = 651.9 \text{ c.y.}$$

3-BULB WATERSTOP

$$2 \left(\frac{1100}{30} \times 8' \right) = 586.7 \text{ L.F.}$$

ORLEANS & JEFFERSON PARISH SIDES (S OF HAMMOND HWY.)
625 to 635 (1000')



REINFORCED CONCRETE CAP

$$2 \left[(4 \times 2) + \left(\frac{2.5}{2} \times 5 \right) \right] 1000 \times \frac{1}{27} = 1055.6 \text{ C.Y.}$$

P2-22 STEEL SHEET PILING

$$2 (25.6' \times 1000') = 51,200 \text{ L.F.}$$

STRUCTURAL EXCAVATION

$$2 (2' \times 6') 1000' \times \frac{1}{27} = 888.9 \text{ C.Y.}$$

STRUCTURAL BACKFILL

$$2 \left[2 (2' \times 2') \times 1000' \right] \frac{1}{27} = 592.6 \text{ C.Y.}$$

3-BULB WATERSTOP

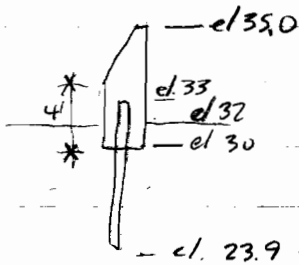
$$2 \left(\frac{1000'}{30} \times 9' \right) = 600 \text{ L.F.}$$

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ORLEANS & JEFFERSON PARISH SIDES.

635 to 670 (3500')



REINFORCED CONCRETE

$$2 \left[(4 \times 2) + \left(\frac{2.5}{2} \times 5 \right) \right] 3500 \times \frac{1}{27} = 3694.4 \text{ CY.}$$

PZ-22 STEEL SHEET PILING.

$$2 (8.1 \times 3500) = 56,700 \text{ } \square$$

STRUCTURAL EXCAVATION

$$2 (2' \times 6' \times 3500') \times \frac{1}{27} = 3111.1 \text{ CY.}$$

STRUCTURAL BACKFILL

$$2 \left[2 (2' \times 2') \times 3500 \times \frac{1}{27} \right] = 2074.1 \text{ CY.}$$

3-BULB WATER STOP

$$2 \left(\frac{3500}{30} \times 5' \right) = 1166.7 \text{ L.F.}$$

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TOTAL OF QUANTITIESREINFORCED CONCRETE

$$213 + 409.3 + 11.2 + 586.4 + 6415.9 + 2638.9 + 1059.3 + 1055.6 \\ + 3694.4 = 16,084 \text{ C.Y.}$$

P2-27 STEEL SHEET PILING

$$5573 + 44,004 + 180,000 + 4306 = 233,883 \text{ } \square'$$

PMA-22 STEEL SHEET PILING

$$9652 \text{ } \square'$$

P2-22 STEEL SHEET PILING

$$44,000 + 51,200 + 56,700 = 151,900 \text{ } \square'$$

P2-38 STEEL SHEET PILING

$$31,372 + 491,744 = 523,116 \text{ } \square'$$

HP 14 x 102 STEEL PILES

$$1858 \text{ L.F.}$$

10" x 10" CREOSOTED TIMBER WALES

$$180 + 176 + 2895 = 3251 \text{ L.F.}$$

STRUCTURAL STEEL (TIE-BACK SYSTEM)

$$5500 + 650 + 62,000 = 68,150 \text{ } \#$$

TREATED TIMBER PILES

$$1245 + 26,634 = 27,879 \text{ L.F.}$$

TOTALSSTRUCTURAL EXCAVATION

$$448.5 + 316.9 + 2412.5 + 4967.1 + 2222.2 + 977.8 + 888.9 + 3111.1 = 15,345 \text{ C.Y.}$$

STRUCTURAL BACKFILL

$$2074.1 + 592.6 + 651.9 + 1481.5 + 3311.4 + 1961.8 + 211.2 + 352.1 = 10,636.6$$

10,637 C.Y.

3 BULB WATER STOP

$$114.7 + 237.7 + 3725.3 + 1500 + 586.7 + 600 + 1166.7 = 7931.1 \sim 7931 \text{ L.F.}$$

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25 NOV 93 LT.

SUMMARY OF TOTALS

REINFORCED CONCRETE

16,084 C.Y.

PZ-27 STEEL SHEET PILING

233,883 \square

PMA-22 STEEL SHEET PILING

9652 \square

PZ-22 STEEL SHEET PILING

151,900 \square

PZ-38 STEEL SHEET PILING

523,116 \square

HP14x102 STEEL PILES

1858 L.F.

10" x 10" CREOSOTED TIMBER WALES

3251 L.F.

STRUCTURAL STEEL (TIE-BACK SYSTEM)

68,150 #

TREATED TIMBER PILES

27,879 L.F.

STRUCTURAL EXCAVATION

15,345 C.Y.

STRUCTURAL BACKFILL

10,637 C.Y.

3-BULB WATER STOP

7931 L.F.