

ITEM 203 - LINEAR GRADING

LEFT - Sta. 3+50 to Sta. 4+10 = 60 ft.
RIGHT - Sta. 4+00 to Sta. 8+25 = 425 ft.
TOTAL = 485 ft = 5 Sta.
* LEFT & RIGHT: 2x1320=2640' = 26 Sta.

ITEM 254 - PAVEMENT PLANING, BITUMINOUS

3' WIDE; CULVERT AND DIAPHRAGMS
43' + 8'x16 = 171'
171'x3' = 513 S.F.

4' WIDE; END CELLS
2@ 10' EACH = 20'
20'x4' = 80 S.F.

5' WIDE; ALONG COFFERDAM
Sta. 4+51 to Sta. 8+02 = 351'
351'x5' = 1755 S.F.
SUB-TOTAL = 2348 S.F.

22' WIDE BUTT JOINTS
2x22'x25' = 1100 S.F.
GRAND TOTAL = 3448 S.F. = 383 S.Y.

ITEM 301 - BITUMINOUS AGGREGATE BASE

1 FT NARROWER THAN ITEM 254 CALCS:
171'x2' = 342 S.F.
20'x3' = 60 S.F.
351'x4' = 1404 S.F.
TOTAL = 1806 S.F.
1806 S.F. x 10"/12"/ft /27CF/CY = 56 C.Y.

ITEM 407 - TACK COAT

REPAIR AREA = 2348 S.F.
OVERLAY:
STA. 4+00 to STA. 8+25 = 425'
425' x 22' = 9350 S.F.
TOTAL = 11698 S.F. = 1300 S.Y.
1300 S.Y. x 0.10 GALS/S.Y. = 130 GALLONS
* 3520 S.Y. x 0.10 GALS/S.Y. = 352 GALLONS

ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE

OVERLAY:
1300 S.Y. x 0.05 GALS/S.Y. = 65 GALLONS
* 3520 S.Y. x 0.05 GALS/S.Y. = 176 GALLONS

ITEM 448 - ASPHALT CONCRETE, INTERMEDIATE COURSE,

TYPE 2, PG 64-22
REPAIR AREA = 2348 S.F.
2348 SFx3"/12"/FT/27CF/CY = 22 C.Y.
* AREA: 24'x1320'=31680 S.F.
31680 SFx0.5"/12"/27CF/CY = 49 C.Y.
Sta. 4+00 TO Sta. 8+25
11698 SFx0.5"/12"/27CF/CY = 18 C.Y.

ITEM 448 - ASPHALT CONCRETE, INTERMEDIATE COURSE,
TYPE 1, PG 64-22, UNDER GUARDRAIL, AS PER PLAN

STA. 4+50 to STA. 8+25 = 375'
375'x3'x3"/12"/FT/27CF/CY = 11 C.Y.

ITEM 448 - ASPHALT CONCRETE, SURFACE COURSE,
TYPE 1, PG 64-22

STA. 4+00 to STA. 8+25 = 425 FT
425'x22'x1.25"/12"/FT/27CF/CY = 36 C.Y.

* AREA: 31680 SFx1.25"/12"/27CF/CY = 122 C.Y.

ITEM 617 - COMPACTED AGGREGATE, TYPE A, AS PER PLAN

STA. 4+00 to STA. 8+25 = 425 FT.
425'x4'x3"/12"/FT/27CF/CY = 16 C.Y.

* AREA: 1320'x3'x3"/12"/27CF/CY = 37 C.Y.

ITEM 659 - SEEDING AND MULCHING

8 FT AVERAGE WIDTH
LEFT: STA. 3+50 to STA. 4+10 = 60 LF
RIGHT: STA. 4+00 to STA. 8+25 = 425 LF
TOTAL = 485 LF
485'x8' /9 SF/SY = 431 S.Y.

ITEM 504 - STEEL SHEET PILING LEFT IN PLACE

28' - WYES (16 REQ'D) : 28'x16x2.5625 SF/LF = 1148 S.F.
30' - WYES (16 REQ'D) : 30'x16x2.5625 SF/LF = 1230 S.F.
28' - PILES
END CELLS (2) : 2x27 = 54
DIAPHRAGMS (16) : 16x12 = 192
INNER WALLS (16) : 16x12 = 192
438 PILESx28'x19.69"/PILE/12"/FT = 20123 S.F.
30' - PILES
END CELLS (2) : 2x11 = 22
OUTER WALLS (16) : 16x12 = 192
214 PILESx30'x19.69"/PILE/12"FT = 10534 S.F.
TOTAL = 33035 S.F.

ITEM 507 - STEEL POINTS OR SHOES

(4 CELLS ESTIMATED)
DIAPHRAGMS : 4x12 = 48
INNER WALLS : 4x12 = 48
OUTER WALLS : 4x12 = 48
END CELL : 1x38 = 38
TOTAL = 182, USE 200 EACH

ITEM 642 - TRAFFIC PAINT

STA. 4+00 to STA. 8+25 = 425 FT.
CENTER LINE, TYPE 2 PAINT 1x425' /5280' /MI = 0.08 MI
EDGE LINE, TYPE 2 PAINT 2x425' /5280' /MI = 0.16 MI
* CENTERLINE, TYPE 2 PAINT 1x1320' /5280' /MI = 0.25 MI
EDGELINE, TYPE 2 PAINT 2x1320' /5280' /MI = 0.50 MI

PLOT SUBMITTED: 11-NOV-1998 06:57

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PLOTTED BY: jgrmovse
PLOTTED FROM: Puser\$Bksar\l\p\17995

CALCULATED
CHECKED

ESTIMATED QUANTITIES

LAKE COUNTY
LAK-86-2.33

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