

CALC BY *KS*
DATE 2-13-84
CHKD BY *KS*
DATE 3/16/84

LAK - 535 - 0.42
HIGH STREET / WATER STREET

OHIO
FHWA REGION 5
14
225

DESCRIPTION	QUAN	UNIT	DESCRIPTION	QUAN	UNIT	DESCRIPTION	QUAN	UNIT
<p>ITEM 203 - SUBGRADE COMPACTION</p> <p>TOTAL FROM ITEM 452 - 2,125 S.Y. TOTAL FROM ITEM 404 - 35,890 S.Y. <u>38,015 S.Y.</u></p>	38,015	S.Y.	<p>ITEM 659 - WATER</p> <p>TEMPORARY SOIL EROSION AND SEDIMENT CONTROL APPROX. 240 GAL./1,000 S.F. OF TEMP. SEEDING</p> <p>TEMPORARY SEEDING = 13,240 S.Y. 13,240 x 9 = 119,160 S.F. 119,160 ÷ 1,000 = 119.16 119.16 x 240 = 28,598 GAL. = 28.6 M.GAL.</p> <p>PERMANENT SEEDING AND SODDING APPROX. 120 GAL./1,000 S.F. OF PERMANENT SEEDING AND SODDING PERMANENT SEEDING AND SODDING = 66,200 S.Y. 66,200 x 9 = 595,800 S.F. 595,800 ÷ 1,000 = 595.80 595.80 x 120 = 71,496 Gal. = 71.5 M.GAL.</p>	100	M.GAL.	<p>ITEM 410 - TRAFFIC COMPACTED SURFACE</p> <p>APPROX. 100 C.Y./MILE</p> <p>STA. 40+39 TO STA. 129+00 8,861 FT. ÷ 5,280 = 1.7 1.7 x 100 = 170 C.Y.</p>	170	C.Y.
<p>ITEM 207 - STRAW OR HAY BALES</p> <p>APPROX. 8 x NUMBER OF CATCH BASINS 91 CATCH BASINS OR INLETS 91 x 8 = 728 STRAW BALES</p>	728	EA.	<p>ITEM 659 - REPAIR SEEDING & MULCHING</p> <p>APPROX. 5% OF SEEDING & MULCHING</p> <p>5% OF 62,000 S.Y. = 3,100 S.Y.</p>	3100	S.Y.	<p>ITEM 616 - WATER</p> <p>APPROX. 1M. GAL./50 C.Y./ITEM 410</p> <p>170 C.Y.(410) ÷ 50 = 3.4</p>	4M.	GAL.
<p>ITEM 207 - TEMPORARY SEEDING AND MULCHING</p> <p>APPROX. 20% OF PERM'T SEEDING & OR SODDING</p> <p>SEEDING 62,000 S.Y. SODDING 4,200 S.Y. <u>66,200 S.Y.</u></p> <p>20% OF 66,200 S.Y. = 13,240 S.Y.</p>	13,240	S.Y.	<p>ITEM 659 - COMMERCIAL FERTILIZER</p> <p>20 LBS./1,000 S.F. OF PERMANENT SEEDING AND SODDING APPROX. 10 LBS./1,000 S.F. OF TEMP. SEEDING PLUS 7.5 LBS./1,000 S.F. OF PERM'T SEEDING & OR SODDING</p> <p>PERM'T SEEDING & SODDING 66,200 x 9 = 595,800 S.F. TEMPORARY SEEDING 13,240 x 9 = 119,160 S.F. 595,800 ÷ 1,000 = 595.80 x 20 = 11,916 LBS. 595,800 ÷ 1,000 = 595.80 x 7.5 = 4,469 LBS. 119,160 ÷ 1,000 = 119.16 x 10 = 1,192 LBS. <u>17,577 LBS.</u></p> <p>17,577 LBS. ÷ 2,000 LBS. = 8.79 TONS</p>	8.79	TONS	<p>ITEM 616 - CALCIUM CHLORIDE</p> <p>APPROX. 1 TON/50 C.Y. ITEM 410</p> <p>170 C.Y.(410) ÷ 50 = 3.4</p>	4	TONS
<p>ITEM 659 - MOWING</p> <p>TEMPORARY SOIL EROSION AND SEDIMENT CONTROL APPROX. 25% OF PERM'T SEEDING & OR SODDING PERMANENT SEEDING AND SODDING APPROX. 25% OF PERM'T. SEEDING AND SODDING</p> <p>SEEDING 62,000 S.Y. SODDING 4,200 S.Y. <u>66,200 S.Y.</u></p> <p>50% OF 66,200 S.Y. = 33,100 S.Y. x 9 = 297,900 S.F.</p>	300	M. S.F.	<p>ITEM 659 - AGRICULTURAL LIMING</p> <p>APPROX. 100 LBS./1,000 S.F. OF PERM'T SEEDING & OR SODDING.</p> <p>PERM'T SEEDING & SODDING 66,200 x 9 = 595,800 S.F. 595,800 ÷ 1,000 = 595.80 x 100 = 59,580 LBS. 59,580 LBS. ÷ 2,000 LBS. = 29.79 TONS</p>	29.79	TONS	<p>ITEM 203 EXCAVATION & EMBANKMENT (SEE SHEET No. 7)</p> <p>STA. 54+25 TO STA. 68+25, RT. ONLY ASSUME 6 FT. WIDTH & 1 FT. DEPTH 6 FT. X 1 FT. X 1400 FT. ÷ 27 = 311 C.Y.</p>	311	C.Y.