

Emission Summary Calculations and Sources

VOC (mt)	CO (mt)	NOx (mt)	PM-10 (mt)	PM-2.5 (mt)	SO2 (mt)	CO2 (mt)
8.61	34.64	95.29	7.57	7.35	14.23	10315.27
<p>Source: Emissions Factors from NONROAD2005 Model for 2006 calendar year https://www.fema.gov/media-library-data/20130726-1711-25045-6430/appendix_d.pdf *Other Truck emissions use the same as an excavator. HP of an F750 is 270, which will be a conservative stand-in for all pickups.</p>						
Work Type Assumptions	Feet	Miles	Rate (ft/day)	Days		
Plowing	868000	164.39394	10560	82.2		
Trenching/Sawing	372000	70.454545	1000	372.0		
Boring	214000	40.530303	500	428.0		
Hanging	50800	9.6212121	1000	50.8		
Total (check)	1504800	285		933.0		
Connected Action	142032	26.9	500	260.0		
<p>*Boring GIS assumed to be inclusive of all areas requiring boring *Hanging rounded up slightly to provide estimates of bridge hang as well as aerial sections *Remainder assumed to be a 30/70 split between trenching/sawing and plowing</p>						