
From: Jeff Barron, P.E. <jbarron@wwcengineering.com>
Sent: Thursday, May 15, 2014 4:20 PM
To: Justin Douthat
Cc: Randall W. Atkins; "Kenneth "Ken" G. Woodring"
Subject: County Road relocate
Attachments: county_road.kmz; permit_boundary.kmz; state_lands.kmz; yr_2_pit_and_panels.kmz

Exhibit 33

Justin,

I have attached .kmz files which can be opened in google earth. These show the permit boundary, state lands, Phase I year 2 HWM panels and pit, and the location of the affected county road. Due to design constraints, (sight distance, curve radius, etc. and nearest reclaimed portion of pit year 2) it is anticipated that at least 1 mile of road relocation may be required. County road is much like rail in that it usually pencils out to \$1 million per mile to construct. What financial impact would occur if this block of coal were left? For your information county roads usually require at minimum a 10 ft clear zone on either side of the road and 4:1 side slopes.

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