
From: Justin Douthat <Justin.Douthat@cardno.com>
Sent: Monday, May 19, 2014 10:05 AM
To: jbarron
Subject: RE: County Road relocate
Attachments: County Road Impact - cutoff line.dwg

Exhibit 32

Jeff,

Can you please drop the attached line into your phase 1 mapping? If I understand correctly, surface mining beneath the county road is the issue we're trying to quantify in terms of estimating financial impact. I offset the county road by roughly 25 feet and was planning to estimate the surface and highwall miner tons to the south and east from the attached line within this trench area. Please let me know if you think this captures the area impacted and I'll have the tonnages broken out. I can then look at the average cash margins during that part of the forecast and gauge the economic impact.

Thanks

Justin

Justin Douthat, P.E.

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From: jbarron [mailto:jbarron@wwcengineering.com]
Sent: Thursday, May 15, 2014 6:20 PM
To: Justin Douthat
Cc: Randall W. Atkins; "Kenneth "Ken" G. Woodring"
Subject: County Road relocate

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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