

## Dick Birk

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**From:** Scott Mohror <scottm@bannerassociates.com>  
**Sent:** Tuesday, March 29, 2016 4:21 PM  
**To:** Dick Birk  
**Cc:** Brad Wermers  
**Subject:** 468th Avenue - Engineering Fee Estimate  
**Attachments:** Opinion of Probable Cost - 468th Avenue.pdf

Dick:

Attached is a cost estimate based off the original numbers Banner provided back in November. Please note that this is preliminary and subject to change due to field conditions, actual road length and width.

One thing to discuss with the Commissioners would be who approaches the landowners for construction easements. Will that be the County or Townships discussing with the landowners. I'm sure crop damage will be a concern.

Then bid item "Miscellaneous Items" is for accounting for fence items, crop damages, etc.

If you have any questions give me or Brad a call in the office.

Thanks,

Scott Mohror  
Project Manager

**BANNER**  
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# Opinion of Probable Project Cost

## BANNER

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**Location:** 468th Avenue - Brookings County

**Date:** March 29, 2016

**Project:** 468th Avenue Improvements

BAI No. 07650.00.00

ITEM NO.	SPEC SECTION	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL
Based on:		Road Length = 13,200 Lineal Feet Road Width = 24 Lineal Feet				
		Mobilization	1	Lump Sum	\$57,708	\$57,708
		Unclassified Excavation	12,711	CuYd	\$3.50	\$44,489
		Salvage/Stockpile Excess Gravel	12,711	CuYd	\$12.00	\$152,532
		Scarify and Recompact	38,133	SqYd	\$3.00	\$114,399
		Geotextile Fabric	19,067	SqYd	\$1.50	\$28,601
		Base Course/Gravel Surfacing	25,422	Ton	\$15.00	\$381,330
		Miscellaneous Items	1	Lump Sum	\$77,906	\$77,906
<b>Opinion of Probable Construction Costs =</b>						<b>\$856,964</b>
Contingencies (10% Construction Costs) =						\$85,696
Design and Bid Phase Services <sup>1</sup> =						\$81,000
Resident Engineering and Surveying =						\$65,000
<b>Opinion of Probable Project Cost =</b>						<b>\$1,088,660</b>

<sup>1</sup>Note: Estimate is based of geotechnical soils report performed by GeoTek Engineering & Testing Services dated June 24, 2015. Actual road length and width will influence cost estimate. Construction costs and Engineering fees are subject to change.