

Feasible alignment criteria selection and weighting

On May 9, 2005, the process of selecting an alignment from those presented at the March 2005 Open House was initiated. Criteria used for preferred corridor evaluation and selection were used as a starting point. B&N personnel established weighting on four of the six corridor criteria. All four feasible alignments were scored the same for two of the corridor criteria - “maximize compatibility with comprehensive plans” and “avoid structures representing major capital investments”, so these criteria were not used in further evaluation of the feasible alignments.

Measurements for each of the remaining criteria were drafted:

- **Minimize impacts on homes and businesses** - *number of relocations, number of non-relocations but still impacted, and remaining acreage of currently undeveloped but still impacted parcels*
- **Minimize environmental impacts** - *wetland impacts and number of stream crossings*
- **Minimize public cost** - *estimated construction cost and estimated right-of-way acquisition cost*
- **Open House #4 survey results** - *alignment preferences as expressed on survey response forms and in letters to the Delaware County Engineer’s Office.*

The team assigned a weight to prioritize the four criteria (Figure 8) for later evaluation and scoring of the feasible alignments by the project team.

Figure 8 - Criteria selection and weighting

Project <i>Sawmill Parkway Extension Alignment Selection</i>	CRITERIA WEIGHTING	
Location <i>B&N</i>		
Client <i>Delaware County Engineer</i>		
Date <i>5/9/05 Internal Workshop</i>		
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CRITERIA	RAW SCORE	WEIGHT
A <i>Minimize impacts on homes/businesses</i>	8	10
B <i>Minimize environmental impacts</i>	0	1
C <i>Minimize public cost</i>	2	3
D <i>Open House # 4 survey</i>	4	5
E		
F		
G		
H		
I		

CRITERIA SCORING MATRIX

	B	C	D	E	F	G	H	I
A	A-4	A-2	A-2					
B		C-2	D-3					
C			D-1					
D								
E								
F								
G								
H								

IMPORTANCE
 4 - Major Preference
 3 - Medium Preference
 2 - Minor Preference
 1 - Slight, No Preference

One Point Each
(letter/letter)



BURGESS & NIPLE