

ALTERNATIVE SCREENING PROCESS-SHORTLISTED ALTERNATIVES AND RATIONALE

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I-295/I-76/Route 42 Direct Connection Camden and Gloucester Countles

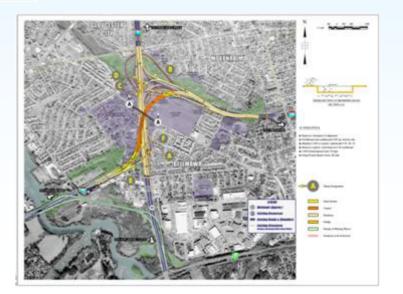
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Alternative D

Recommended Alternatives



Alternative G2









Alternatives Screening

OBJECTIVE - Select a shortlist of feasible alternatives that satisfy the project purpose and need with minimal impacts to the natural and built environment to be studied through the EIS process







Alternatives Screening Process

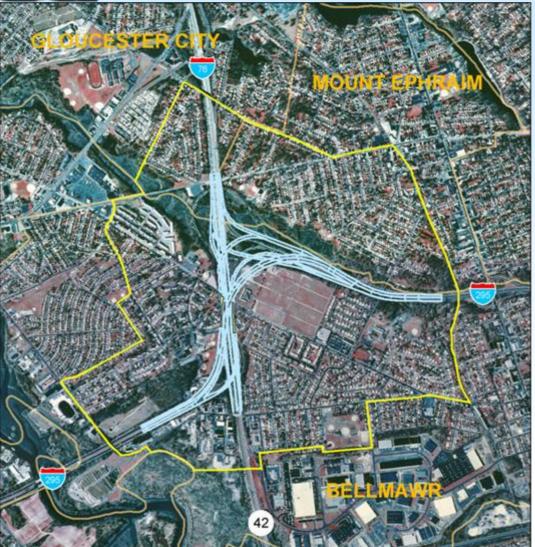
- Multidisciplinary Project Team
 - Engineers
 - Planners
 - Scientists
- Preliminary impact assessment by alternative
 with respect to all screening criteria
- Two-day workshop
 - Fill out matrix
 - Integrate scores vertically by alternative
 - Compare alternatives
 - Recommend shortlist for further study







Socioeconomic Impacts









Potential Residential and Commercial ROW Impacts of Alternative D



Total Residences Impacted - 22 Total Businesses Impacted - 8























Socioeconomic Impacts









Potential Residential and Commercial ROW Impacts of Alternative G2



Total Residences Impacted - 22 Total Businesses Impacted - 10

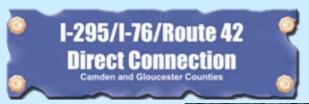












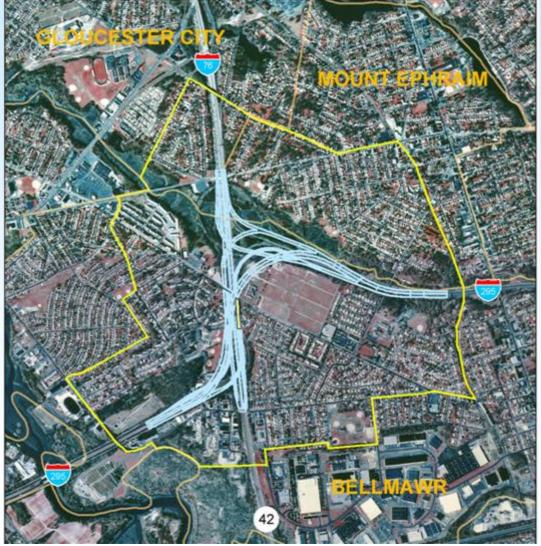








Socioeconomic Impacts









Potential Residential and Commercial ROW Impacts of Alternative K



Total Residences Impacted - 30 Total Businesses Impacted - 10















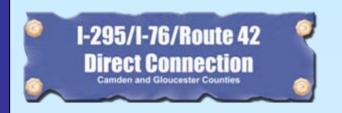












IMPACTS				
		D	G2	K
Constructability		Н	Н	Н
Maintain and Operate		М	М	Н
Comparison of Estimated Construction Cost (x100,000)		8.2	12.5	17.4
Compliance with Design Criteria				
	 Undesirable design features 	0	2	1*
	 Number of conflict points 	2	1	2
	Visual/Contextual Impacts	М	Н	L
NOTES:				
1.	H - High Sensitivity, M - Moderate Sensitivity, L - Low Sensitivity			
2.	The terms High, Moderate, and Low Sensitivity are used relative to the			
	sensitivities of the other alternatives under consideration. An item labeled 'L' means			
	only that the potential impacts are lower than those of alternatives labeled 'M' or 'H'.			
3.	Alternative K is assumed to be a bored tunnel underneath the cemetery.			
4.	* Although all alternatives meet current geometric design standards, certain design			
	features applicable to open roadways may not be applicable in a tunnel (shoulders).			







Potential Residential and Commercial ROW Impacts



Alternative H1 - 32 Residences Businesses – 10 Wetlands Acres – 11.5 Floodplain Acres 12.5



Alternative B1 - 58 Residences Businesses – 10 Wetlands Acres – 13.5 Floodplains Acres - 22



Alternative A - 49 Residences Businesses – 9 Wetlands Acres 17.0 Floodplains Acres – 16.5







Potential Residential and Commercial ROW Impacts



Alternative B2 - 73 Residences Businesses - 10



Alternative E2 – 190 Residences Businesses - 12



Alternative E – 189 Residences Businesses - 11



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Alternative A1 - 23.5 Acres



Alternative B2 – 29 Acres



Alternative C2 – 27.5 Acres



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Alternative I – 2 Acres Floodplain 3800 Cemetery Plots Impacted 53 Residential Impacts 11 Businesses



Alternative G – 5 Acres Floodplain ROW Impacts Similar to G2



Alternative E – 3.5 Acres Floodplain 124 Cemetery Plots Impacted 189 Residential Impacts 11 Businesses





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Alternative A 1 – 21 Acres



Alternative B - 12.5 Acres



Alternative C1 - 16 Acres







Alternative I – 2.5 Acres Wetlands



3800 Cemetery Plots Impacted 56 Residential Impacts 11 Business Impacts



High Socioeconomic Impacts







Alternative I1 -7 Acres Wetlands



3800 Cemetery Plots Impacted 55 Residential Impacts 11 Business Impacts 2 Park Impacts



High Socioeconomic Impacts









Alternative E – 4.5 Acres Wetlands



189 Residential Impacts11 Business Impacts124 Cemetery Plots



High Socioeconomic Impacts





Alternatives Screening

- Informed qualitative decisionmaking approach
- Iterative
- Consensus amongst stakeholders
 - Project team members
 - DOT core group
 - **●** LOB, CAC, ACM
 - Impacted Communities
 - Traveling motorists



