



BUILD ALTERNATIVES COMPARISON MATRIX

EVALUATION CRITERIA	BUILD ALTERNATIVES											
	Build Alternative 1			Build Alternative 2			Build Alternative 3			Build Alternative 4		
	Mainline	Ford Interchange	Hearne Interchange	Mainline	Ford Interchange	Hearne Interchange	Mainline	Ford Interchange	Hearne Interchange	Mainline	Ford Interchange	Hearne Interchange
Purpose and Need												
Meets Purpose and Need	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Engineering												
Length (in miles)	4.53	-	-	4.57	-	-	4.70	-	-	4.50	-	-
Required Right-of-Way (acres)	109.86	19.48	18.54	111.01	29.03	18.38	114.02	15.21	18.38	109.21	29.04	18.59
Potential At-Grade Railroad Crossing Locations	0	0	0	0	0	0	0	0	0	0	0	0
Potential Navigable Water Crossings	4	0	2	2	0	2	2	0	2	4	0	2
Potential Wetlands ^(A)												
Potential Wetlands (acres in the corridor)	50.32	0.00	17.43	49.77	0.00	17.27	49.77	0.00	17.27	50.29	0.00	17.46
Open Water (acres in the corridor)	1.15	0.00	0.25	0.79	0.00	0.32	0.80	0.00	0.32	1.19	0.00	0.24
Community Impacts												
Residential Structures in the Build Alternative	52	25	0	45 ^(B)	44	0	56	19	0	49	38 ^(C)	0
Abandoned Residential Structures in the Build Alternative	3	5 ^(D)	0	5	6	0	3	2	0	10	4 ^(E)	0
Commercial Structures in the Build Alternative	2 ^(F)	1 ^(G)	0	1 ^(H)	4 ^(I)	0	4 ^(J)	2 ^(K)	0	2 ^(L)	4 ^(M)	0
Abandoned Commercial Structures in the Build Alternative	0	0	0	0	0	0	1	0	0	1	4	0
Churches in the Build Alternative	1 ^(N)	2 ^(O)	0	0	2 ^(P)	0	2 ^(Q)	1 ^(R)	0	4 ^(S)	2 ^(T)	0
Recreational Areas in the Build Alternative	2 ^(U)	1 ^(V)	0	4 ^(W)	0 ^(X)	0	3 ^(Y)	1 ^(Z)	0	2 ^(AA)	0	0
Other Community Facilities in the Build Alternative	1 ^(BB)	0	0	1 ^(BB)	0	0	3 ^(CC)	0	0	0	0	0
Total Community Impacts for the Build Alternative	61	34	0	56	56	0	72	25	0	68	52	0
Community Cohesion Impact	High	High	None	High	High	None	Medium	High	None	High	High	None
Potential Environmental Justice Concerns	High	High	None	High	High	None	High	High	None	High	High	None
Land Use												
Prime Farmland (acres)	2.83	0.00	0.00	2.84	0.00	0.00	2.84	0.00	0.00	2.84	0.00	0.00
100-yr Floodplain (acres)	42.60	0.00	11.39	40.45	0.00	11.90	40.43	0.00	11.90	42.58	0.00	11.33
Environmental Liability Concerns												
Active Oil and Gas Well Locations	0	0	0	0	0	0	1	0	0	0	0	0

NOTES:

- ^(A) Potential wetlands were defined using National Wetlands Inventory data and minimal field verification.
- ^(B) Total number includes one townhouse complex with four single-family residential units.
- ^(C) Total number includes three duplexes.
- ^(D) One of these abandoned residential structures is a duplex.
- ^(E) One of these abandoned residential structures is a duplex.
- ^(F) Commercial structures include Tucker's 2000 and an unknown business that is currently under construction.
- ^(G) Commercial structure includes Paralegal Services.
- ^(H) Commercial structure includes Tucker's 2000.
- ^(I) Commercial structures include Paralegal Services, Levingston Motel, a vacant business (future Fuller Grocery), and an unknown business that is currently under construction.
- ^(J) Commercial structures include Heavenly Gate Funeral Home, Joseph's Cleaner, Upholstery Shop, and a tank farm.
- ^(K) Commercial structures include Lucky Liquor and a vacant business (future Fuller Grocery).
- ^(L) Commercial structures include two dentist offices.
- ^(M) Commercial structures include Tucker's 2000, Paralegal Services, an unknown business that is currently under construction, and one structure with three businesses (JLB Tax Service/Fil-a-Sac/Laundry Mat).
- ^(N) Church structure includes Our Lady of the Blessed Sacrament Catholic Church, whose facility includes six structures.
- ^(O) Church structures include Church of Jesus Christ and Trinity Baptist Church.
- ^(P) Church structures include Trinity Baptist Church and Our Lady of the Blessed Sacrament Catholic Church, whose facility includes six structures.
- ^(Q) Church structures include God House of Prayer and Triumph the Church and Kingdom of Good Christ.
- ^(R) Church structure includes Mt. Moriah Baptist Church.
- ^(S) Church structures include Evergreen Baptist Church, Trinity Baptist Church, Church of Jesus Christ, and Our Lady of the Blessed Sacrament Catholic Church, whose facility includes six structures.
- ^(T) Church structures include Mt. Canaan and Midway Baptist Church No. 2.
- ^(U) Recreational areas include Swepeco Park and Miller Memorial Park.
- ^(V) Recreational area includes the Hope Garden.
- ^(W) Recreational areas include Swepeco Park, Miller Memorial Park, the Hope Garden, and the playground area associated with the Allendale Friendship Houses.
- ^(X) The Ford Interchange will impact one of the Allendale Friendship House structures; however, the value was already included in the Mainline because of impacts to the playground associated with this structure.
- ^(Y) Recreational areas include Swepeco Park and both of the Allendale Friendship Houses with the associated playground area.
- ^(Z) Recreational area includes Mt. Moriah Park.
- ^(AA) Recreational areas include Swepeco Park and the Allendale Recreation Center.
- ^(BB) Other community facility includes the Israel Masonic Lodge No. 138.
- ^(CC) Other community facilities include three shelters: Christian Services Center, Hebert House, and Mother Stewart House.