

EVALUATION MATRICES - ENVIRONMENTAL

Table 5: Evaluation Matrix – Natural Resources

	Floodplain	Stream	Wetland	Karst	Farmland	Comments
Alternative 1 No Action	None	None	None	None	None	No environmental impact
Alternative 5 Access Management	None	None	None	None	None	Environmental impact not likely
Alternative 6 Upgrade Morgan Street Roadway Geometrics	None	None	None	None	None	Environmental impact not likely
Alternative 7 Widen Morgan Street for Additional Travel Lanes	None	None	None	None	None	Environmental impact not likely
Alternative 8 Morgan-Franklin One-Way Pair with Railroad Relocation	Major	Major	Minor	None	Major	Substantial impacts to Farmland, Floodplains, and Waterways with minor wetland disturbance
Alternative 9 Morgan-Franklin One-Way Pair without Railroad Relocation	Minimal	None	None	None	None	Some work possible within the 100 year floodplain, but impact not likely
Alternative 10 Morgan-Hillside One-Way Pair	Minimal	None	None	None	None	Some work possible within the 100 year floodplain, but impact not likely
Alternative 11 Northern Bypass	Major	Minor	Minor	None	Major	Substantial impacts to Farmland, Floodplains, and Waterways with minor wetland disturbance. Likely impact to unmapped and unnamed waterways with this alternative.
Alternative 12 Southern Bypass	Major	Major	Minor	None	Major	Substantial impacts to Farmland, Floodplains, and Waterways with minor wetland disturbance. Likely impact to unmapped and unnamed waterways with this alternative. One crossing of the White River and one crossing of Elliston Creek a major tributary of the White River.
Alternative 13 Combine Access Management and Upgrade Geometrics	None	None	None	None	None	Environmental impact not likely

Table 6: Evaluation Matrix – Recreational & Historic Resources

	Parks & Recreation Resources	Comments	Historic Resources	Comments
Alternative 1 No Action	NO	No disturbance of parks or recreation resources	NONE	Alternative will not involve work in a Historic District
Alternative 5 Access Management	NO	No disturbance of parks or recreation resources	MINOR	Alternative 5 will involve work in the Hillside Historic District on Morgan Street that should result in little or no impact.
Alternative 6 Upgrade Morgan Street Roadway Geometrics	NO	No disturbance of parks or recreation resources	MINOR	Alternative 6 will involve work in the Hillside Historic District on Morgan Street that should result in little or no impact.
Alternative 7 Widen Morgan Street for Additional Travel Lanes	NO	No disturbance of parks or recreation resources	MINOR	Alternative 7 will involve work in the Hillside Historic District on Morgan Street that should result in little or no impact.
Alternative 8 Morgan-Franklin One-Way Pair with Railroad Relocation	NO	No disturbance of parks or recreation resources	SEVERE	Alternative 8 will severely disturb the Spencer Courthouse Square Historic District due to work along Franklin Street and the railroad relocation. Alternative 8 will also involve work in the Hillside Historic District on Morgan Street that should result in little or no impact.
Alternative 9 Morgan-Franklin One-Way Pair without Railroad Relocation	NO	No disturbance of parks or recreation resources	MAJOR	Alternative 9 will have a major effect on the Spencer Courthouse Square Historic District with work along Franklin Street. Alternative 9 will also involve work in the Hillside Historic District on Morgan Street that should result in little or no impact.
Alternative 10 Morgan-Hillside One-Way Pair	NO	No disturbance of parks or recreation resources	MAJOR	Alternative 10 will have a substantial effect on Hillside Avenue and little or no impact on Morgan Street inside the Hillside Historic District
Alternative 11 Northern Bypass	NO	No disturbance of parks or recreation resources	NONE	Alternative 11 will not involve work in a Historic District
Alternative 12 Southern Bypass	MINOR	A boat launch to White River is located in bypass corridor	NONE	Alternative 12 will not involve work in a Historic District
Alternative 13 Combine Access Management and Upgrade Geometrics	NO	No disturbance of parks or recreation resources	MINOR	Alternative 13 will involve work in the Hillside Historic District on Morgan Street that should result in little or no impact.

Table 7: Evaluation Matrix – Hazardous Materials

	UST	LUST	IWS	WTS	Comments
Alternative 1 No Action	NO	NO	NO	NO	No hazardous waste impact
Alternative 5 Access Management	NO	NO	NO	NO	No hazardous waste impact likely
Alternative 6 Upgrade Morgan Street Roadway Geometrics	NO	YES	NO	NO	Possible impact to three LUST sites
Alternative 7 Widen Morgan Street for Additional Travel Lanes	NO	YES	NO	NO	Possible impact to three LUST sites
Alternative 8 Morgan-Franklin One-Way Pair with Railroad Relocation	YES	YES	YES	NO	Possible impact to three LUST sites, and one Industrial Waste Site
Alternative 9 Morgan-Franklin One-Way Pair without Railroad Relocation	YES	YES	NO	NO	Possible impact to three LUST sites
Alternative 10 Morgan-Hillside One-Way Pair	YES	YES	NO	YES	Possible impact to three LUST sites, and one Waste Transfer Site
Alternative 11 Northern Bypass	NO	NO	NO	NO	No hazardous waste impact likely
Alternative 12 Southern Bypass	NO	NO	NO	NO	No hazardous waste impact likely
Alternative 13 Combined Access Management & Upgrade Geometrics	NO	YES	NO	NO	Possible impact to three LUST sites

UST: Underground Storage Tank
LUST: Leaking Underground Storage Tank
IWS: Industrial Waste Site
WTS: Waste Transfer Site

