



TABLE S-1, ENVIRONMENTAL ASSESSMENT SUMMARY MATRIX

Impact Category	No Action Alternative	Alternative 1	Alternative 2	Alternative 3	Mitigation, Avoidance, Minimization Measures
Air Quality	No significant impact. Would not exceed National Ambient Air Quality Standards	No significant impact. Would not exceed National Ambient Air Quality Standards	No significant impact. Would not exceed National Ambient Air Quality Standards	No significant impact. Would not exceed National Ambient Air Quality Standards	Implement measures to control dust and other airborne particles during construction
Biological Resources	No impact	No impact	No impact	No impact	None required
Climate	No impact	No impact	No impact	No impact	None required
USDOT Section 4(f)	No physical use No constructive use	Physical use of the Old Terminal No constructive use	Physical use of the Old Terminal No constructive use	Physical use of the Old Terminal No constructive use	Section 4(f) consultation with the U.S. Department of Interior regarding proposed impacts to the Old Terminal is ongoing
Farmlands	No impact	No impact	No impact	No impact	None required
Hazardous Materials, Solid Waste, and Pollution Prevention	No impact	No impact	No impact	No impact	All construction activities would be performed in accordance with applicable Federal, state, and local regulations.
Historical, Architectural, Archaeological, & Cultural Resources	No direct or indirect impacts	Direct impacts to the Old Terminal (adverse effect)	Direct impacts to the Old Terminal (adverse effect)	Direct impacts to the Old Terminal (adverse effect)	A Memorandum of Agreement (MOA) will be prepared between the Federal Aviation Administration (FAA), North Carolina State Historic Preservation Office, and the City of Charlotte for the adverse effect to the Old Terminal. The FAA and City of Charlotte are responsible for carrying out the mitigation in the MOA.
Land Use	No land use, zoning, or property boundary changes	No significant impact	No significant impact	No significant impact	None required
Natural Resources	No impact	No significant impact	No significant impact	No significant impact	Energy efficient and sustainable measures, including renewable energy sources, will be implemented to the extent possible.



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Energy Supply	No impact	Local providers can meet increases in demand.	Local providers can meet increases in demand.	Local providers can meet increases in demand.	None required
Noise and Noise-Compatible Land Use Housing Units within DNL 65+ dB	122 housing units	101 housing units No significant impacts	105 housing units No significant impacts	126 housing units 20 housing units in significant increase area (1.5 dB increase within 65+ DNL). 16 housing units were previously sound insulated.	None required for Alternative 1 or Alternative 2. Alternative 3 would require the four housing units not previously sound insulated, be offered sound insulation.
	337 people	272 people	283 people	339 people	See Noise and Noise-Compatible Land Use Housing Units within DNL 65+ dB Mitigation
	Noise-Sensitive Facilities: <ul style="list-style-type: none"> • Two schools (East Voyager Academy of Charlotte, & West Mecklenburg High School) • Three churches (Harvest Church, Montagnard Alliance Church, & Every Nation Church) • One day care facility (Beginning Years Day Care, Inc) 	Noise-Sensitive Facilities: <ul style="list-style-type: none"> • One school (East Voyager Academy of Charlotte) • Four churches (Harvest Church, Montagnard Alliance Church, Mulberry Baptist Church, & Every Nation Church) • Two day care facilities (Beginning Years Day Care, Inc, & Mulberry Head Start) 	Noise-Sensitive Facilities: <ul style="list-style-type: none"> • One school (East Voyager Academy of Charlotte) • Four churches (Harvest Church, Montagnard Alliance Church, Mulberry Baptist Church, & Every Nation Church) • Two day care facilities (Beginning Years Day Care, Inc, & Mulberry Head Start) 	Noise-Sensitive Facilities: <ul style="list-style-type: none"> • One school (East Voyager Academy of Charlotte) • Four churches (Harvest Church, Montagnard Alliance Church, Mulberry Baptist Church, & Every Nation Church) • Two day care facilities (Beginning Years Day Care, Inc, & Mulberry Head Start) 	None required
Socioeconomic Impacts	No impact	No significant impact	No significant impact	No significant impact	Minimization measures would be implemented, such as signal timing modifications and lane utilization changes, to prevent LOS impacts during construction.
Environmental Justice	Noise impacts to minority and low-income populations	No significant impact	No significant impact	No significant impact	None required



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Children's Health and Safety Risks	No impact	No impact	No impact	No impact	None required
Visual Effects	No impact	No significant impact due to the distance to the nearest residence and the obstacles in the way of the view.	No significant impact due to the distance to the nearest residence and the obstacles in the way of the view.	No significant impact due to the distance to the nearest residence and the obstacles in the way of the view.	None required
Wetlands	No impact	Permanent impacts to approximately 8151 linear feet of streams and 5.07 acres of wetlands	Permanent impacts to approximately 8151 linear feet of streams and 5.07 acres of wetlands	Permanent impacts to approximately 8151 linear feet of streams and 5.07 acres of wetlands	Impacts would require an Individual Permit from the U.S. Army Corps of Engineers (USACE) and provision of compensatory mitigation. The compensatory mitigation would be determined based on final construction plans and coordination with USACE. Compensatory mitigation would be achieved by purchase of stream and wetland credits from the Charlotte-Mecklenburg Storm Water Services Umbrella Stream and Wetland Mitigation Bank.
Floodplains	No impact	Development would occur within 13 acres of the 100-year floodplain but would not cause notable adverse impacts on the natural and beneficial floodplain values on the existing 100-year floodplain. No significant impact would occur.	Development would occur within 13 acres of the 100-year floodplain but would not cause notable adverse impacts on the natural and beneficial floodplain values on the existing 100-year floodplain. No significant impact would occur.	Development would occur within 13 acres of the 100-year floodplain but would not cause notable adverse impacts on the natural and beneficial floodplain values on the existing 100-year floodplain. No significant impact would occur.	None required



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Surface Waters	No impact	Increase of approximately 211 acres in impervious surfaces would be accommodated by the Airport's stormwater systems. No significant impact would occur.	Increase of approximately 211 acres in impervious surfaces would be accommodated by the Airport's stormwater systems. No significant impact would occur.	Increase of approximately 211 acres in impervious surfaces would be accommodated by the Airport's stormwater systems. No significant impact would occur.	None required
Groundwater	No impact	Two wells would be abandoned in accordance to any Federal, state, or local regulations. No significant impact would occur.	Two wells would be abandoned in accordance to any Federal, state, or local regulations. No significant impact would occur.	Two wells would be abandoned in accordance to any Federal, state, or local regulations. No significant impact would occur.	None required
Wild and Scenic Rivers	No impact	No impact	No impact	No impact	None required
Cumulative Impacts	No impact	No significant impact	No significant impact	No significant impact	None required