

Appendix A

Initial Improvement Options List

Coastal Empire Transportation Study - Initial Improvement Options List

ID	Study Corridors	Study Intersections	Project Categories	Project Description	Source	Related Project Name/PI # (if applicable)
2	Belfast Keller Rd	-	Operational and safety improvements	Add TWLTL between I-95 and US 17	Improvement Options	
4	Belfast Keller Rd	-	Capacity adding and new connections	Belfast Keller Rd widening to six lane divided section between I-95 and Great Ogeechee Parkway	Related Projects	Belfast Keller Rd Transportation Assessment
7	Belfast Keller Rd	-	Capacity adding and new connections	Belfast Keller Rd widening from South of US 17 to Belfast River Rd to 4 lanes	Related Projects, Improvement Options	CORE MPO MTP 2045; Belfast Keller Rd Transportation Assessment; North Bryan Transportation Study
9	Chatham Pkwy	-	Operational and safety improvements	Construct median and provide access control	Improvement Options	
12	I-16	-	Capacity adding and new connections	Construct express/commercial vehicle lane between I-95 and SR 67	Improvement Options	
14	I-16	-	Capacity adding and new connections	US 17 widening between NE of Savannah Harbor Pkwy and Back River	Related Projects, Improvement Options	CORE MPO TIP,0015705
15	I-16	-	Operational and safety improvements	I-516 and I-16 interchange improvement	Improvement Options	
18	I-16	-	Capacity adding and new connections	I-16 widening to 6 lanes from I-95 to SR 67	Related Projects, Improvement Options	Chatham Interstate Plan (2008)
19	I-16	-	Capacity adding and new connections	I-16 exit ramp at Montgomery St and MLK Removal	Related Projects	0011744, Reclaiming MLK
20	I-16	-	Freight Accommodations	Real-time information (DMS) for truck drivers (proposed locations 1. east of US-280, 2. west of I-95)	Stakeholder Comments	
21	I-16	-	Capacity adding and new connections	Provide additional interchange at Bryan County mega site	Stakeholder Comments	
22	I-516	-	Capacity adding and new connections	Collector-Distributor lane or ramp braiding between Veterans pkwy and SR 21	Improvement Options	

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24	I-516	-	Capacity adding and new connections	4 lane divided connector at I-516 at Derenne Avenue Derenne Avenue - flyover ramp; intersection at White Bluff Rd	Related Projects	CORE MPO, 0008358
25	I-516	-	Capacity adding and new connections	I-516 widening to 3 lanes from Veterans Pkwy to Mildred St	Related Projects, Improvement Options	CORE MPO Freight Study; Chatham Interstate Plan (2008); Chatham Interstate Study (2015)
26	I-95	-	Capacity adding and new connections	Aux Lane in addition to existing 3 travel lanes on each direction between SR 21 and US 17	Improvement Options	
27	I-95	-	Freight Accommodations	DMS for truck to port access (recommended locations: southbound near GA-SC state line and northbound south of I-16 interchange)	Improvement Options	
30	I-95	-	Freight Accommodations	Provide additional truck parking at GA welcome center/ I-95 SB weigh station	Related Projects	GDOT Statewide Truck Parking Research Project
31	I-95	-	Capacity adding and new connections	I-95 widening to 8 lanes between Liberty County line and SR 21	Related Projects, Improvement Options	511035-; 511165-; 511155-; 511025-
37	Jimmy Deloach Pkwy	-	Capacity adding and new connections	Jimmy Deloach Pkwy widening to 6 lanes between I-16 and Sonny-Dixon interchange Modify the interchange of I-95 at Jimmy DeLoach Pkwy to add more capacity entering/exiting I-95 (i.e., flyover ramp for left turns and increase the radius for westbound right turn)	Improvement Options	
39	Jimmy Deloach Pkwy	-	Freight Accommodations	DMS signs east of I-95	Improvement Options	
40	Jimmy Deloach Pkwy	-	Operational and safety improvements	Intersection improvements at Logistics Way and Expansion Blvd: - Provide a signal	Improvement Options, Stakeholder Comments	

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44	Jimmy Deloach Pkwy	-	Operational and safety improvements	Jimmy Deloach Pkwy at Benton Blvd intersection improvements: - extend 2 right turn lanes on Jimmy Deloach Pkwy at Benton Blvd (S015387) - extend left turn lane at Benton Blvd(S015421) - grade-separate intersection - Increase the length of acceleration lane from the Benton Rd NB to Jimmy Deloach EB and intersection geometry improvements for NB right turn movement	Related Projects, Improvement Options	S015387; S015421
46	John Carter Rd	-	Freight Accommodations	Pavement rehabilitation to accommodate for trucks. Provide proper shoulder width between Old River Rd and SR 17	Improvement Options	
47	John Carter Rd	-	Operational and safety improvements	TWLTL between Old River Rd and SR 17	Improvement Options	
49	John Carter Rd	-	Capacity adding and new connections	John Carter Rd widening to 4 lanes from Little Neck Road to Old River Road	Related Projects	Southwestern Chatham County Sector Plan (2007)
50	US 80	-	Freight Accommodations	Warnell Farm Road Improvements, Widen and overlay-with development	Related Projects	North Bryan Transportation Study
53	Belfast Keller Rd	-	Capacity adding and new connections	Warren Hill Rd Extension from Belfast Keller to Great Ogeechee Pkwy	Related Projects	Belfast Keller Rd Transportation Assessment
54	SR 21	-	Capacity adding and new connections	N-7: McCall Rd Extension from Blandford Rd to SR 21	Related Projects	Effingham TMP
55	SR 119	-	Capacity adding and new connections	Low Ground Road extension between SR 21 and SR 17 ; Low Ground Road freight upgrade - widen travel lanes and improve roadway structures to support truck movements	Related Projects	Effingham TMP
57	SR 21	-	Capacity adding and new connections	N-13: Mock Rd Extension to SR 21	Related Projects	Effingham TMP

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62	Old Augusta Rd	-	Operational and safety improvements	TWLTL between SR 21 and SR 275	Improvement Options	
63	Old Augusta Rd	-	Capacity adding and new connections	Widen to 4 lanes between SR 21 and SR 275	Improvement Options	
64	Old Augusta Rd	-	Freight Accommodations	N-11: Long bridge Rd freight upgrades; widen travel lanes for truck traffic; Extension of the corridor from Old Augusta Rd at SR 275 NB until Stillwell Rd	Related Projects	Effingham TMP
65	Old Augusta Rd	-	Capacity adding and new connections	N-12: Long Bridge Rd Extension from Stillwell Rd to SR 119 N-14: SR 119-SR 21 Connector - new roadway connecting SR 119 to SR 21 north of springfield	Related Projects	Effingham TMP
69	Old River Rd	-	Operational and safety improvements	Intersection safety and pavement improvement to accommodate for truck traffic	Related Projects	Old River Road Improvement Project
70	Old River Rd	-	Capacity adding and new connections	Widen to 4 lanes between SR 204 and I-16	Related Projects, Improvement Options	Southwestern Chatham County Sector Plan (2007); CORE MPO TIP
72	SR 119	-	Capacity adding and new connections	Widen to 4 lanes between US 80 and SR 21	Improvement Options	
73	SR 119	-	Operational and safety improvements	Add TWLTL between SR 17 and SR 21	Related Projects, Improvement Options	0004913
74	SR 119	-	Operational and safety improvements	SR 119 at Mud Rd intersection improvements including: - Roundabout - Intersection realignment for better connectivity	Improvement Options	
78	SR 119	-	Operational and safety improvements	I-14: Install a NBR Bypass Lane at SR 119 and SR 17	Related Projects	Effingham TMP
79	SR 119	-	Operational and safety improvements	I-34: Single Lane Roundabout at SR 119 at Little McCall Rd	Related Projects	Effingham TMP

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82	SR 17	-	Operational and safety improvements	Provide TWLTL between US 80 and SR 119 where driveways and intersections are concentrated	Improvement Options	
83	SR 17	-	Capacity adding and new connections	SR 17 widening to 4 lanes between US 80 and SR 119	Improvement Options	
84	SR 17	-	Operational and safety improvements	I-17: Install a NBR Bypass Lane at SR 17 at Blue Jay Rd	Related Projects	Effingham TMP
85	SR 17	-	Operational and safety improvements	I-22: SR 17 and Marlow Rd - construct EBL and SBL lanes	Related Projects	Effingham TMP
86	SR 17	-	Operational and safety improvements	A-4: Low Ground Road Bike/Ped Connection	Related Projects	Effingham TMP
87	SR 17	-	Operational and safety improvements	I-16: SR 17 at Courthouse Rd Intersection - Install SBL and WBR	Related Projects	Effingham TMP
88	SR 204	-	Capacity adding and new connections	SR 204 widening to 4 lanes between Old River Rd and I-95	Related Projects, Improvement Options	Southwestern Chatham County Sector Plan (2007)
89	SR 204	-	Operational and safety improvements	Add TWLTL between Old River Rd and I-95	Improvement Options	
90	SR 204	-	Capacity adding and new connections	SR 204 widening to 4 lanes between Old River Rd and US 280	Improvement Options	
93	SR 204	-	Capacity adding and new connections	Connect several standalone interchange along SR 204 and convert SR 204 to access control freeway between I-95 and Truman Pkwy	Related Projects	SR 204 Corridor Study (2013)
94	SR 21	-	Freight Accommodations	Ensure U-turn bays can accommodate for WB-67 trucks	Improvement Options	
95	SR 21	-	Operational and safety improvements	Provide pedestrian walk bridge or hawk signal, especially at Priscilla D Thomas Way (Groves High School)	Improvement Options	
97	SR 21	-	Operational and safety improvements	Provide raised median to control side-street & left turn from the main street movements between SR 25 and Smith Ave	Improvement Options	

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99	SR 21	-	Capacity adding and new connections	New roadway connection between Effingham Pkwy and Old Augusta Rd (connect the new road to Trade Center Blvd)	Improvement Options	
100	SR 21	-	Capacity adding and new connections	Converting SR 21 into access control freeway between I-516 and SR 30 north of I-95	Related Projects	SR 21 Corridor Study
101	SR 21	-	Operational and safety improvements	SR 21 at SR 30: - Restripe and create a second lane at SR 30 Eastbound and create a second right turning lane at SR 30 Eastbound and signalize the dual right turning lanes. Widen SR 30 Westbound (west of the intersection of SR 21 and SR 30) to create an extended merge lane to accompany the newly developed dual lefts at SR 21 Northbound approach. - Potentially grade-separate - Limited access	Related Projects, Improvement Options	0016361
102	SR 21	-	Operational and safety improvements	SR 21 at Grange Rd intersection - Extend SB turn lane	Related Projects	S015392
103	SR 21	-	Operational and safety improvements	SR 21 at O'Leary Rd intersection - Extend left turn lane	Related Projects	S015480
104	SR 21	-	Capacity adding and new connections	N-20: SR 21 widening to 6 lane between SR 30 and 9th St in Rincon Provide raised median and median opening at every 1000' Provide sidewalk where not present (for urban section)	Related Projects	Effingham TMP
105	SR 21	-	Freight Accommodations	N-9: Blue Jay Rd/ McCall Rd Freight upgrades - widen travel lanes and improve roadway structures to support truck movements	Related Projects	Effingham TMP
106	SR 21	-	Freight Accommodations	N-10: Rahn Station Road Freight upgrade - widen travel lanes and improve roadway structures to support truck movements between SR 21 and McCall Rd	Related Projects	Effingham TMP

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108	SR 21	-	Railroad crossings	Install RRX gate arm and median - near SR 21 at Brampton Rd intersection	Improvement Options, Stakeholder Comments	
109	SR 21	-	Railroad crossings	alternative at-grade RR crossings near W Bay St and I-516	Stakeholder Comments	
111	Effingham Pkwy	-	Capacity adding and new connections	Effingham Pkwy Widening to 4 lanes	Related Projects, Stakeholder Comments	Effingham TMP
112	Effingham Pkwy	-	Capacity adding and new connections	Effingham Pkwy south extension to Jimmy Deloach Pkwy. Provide connection via Benton Blvd and provide pedestrian overpass. Freight upgrade on Benton Blvd	Improvement Options	
114	Effingham Pkwy	-	Capacity adding and new connections	Effingham Pkwy extension to North to Springfield.	Related Projects, Improvement Options	Effingham TMP
116	SR 25	-	Capacity adding and new connections	SR 25 connector to Jimmy Deloach Pkwy north of Bonny Bridge Rd and restrict through truck on SR 25 between Bonny Bridge Rd and Grange Rd	Improvement Options	
117	SR 25	-	Capacity adding and new connections	SR 25 widening to 4 lanes between Brampton Rd GA-SC State line	Improvement Options	
118	SR 25	-	Railroad crossings	SR 25 at Bishop Ave: Alternative at-grade separated RR routes	Stakeholder Comments	
119	US 17	-	Capacity adding and new connections	US 17 widening to 6 lanes between SR 196 and I-516	Related Projects, Improvement Options	Richmond Hill - South Bryan County Transportation Study; CORE MPO MTP 20405
126	US 280	-	Operational and safety improvements	Construct multilane roundabout at US 280 at I-16 interchange	Related Projects	0016618
128	US 280	-	Capacity adding and new connections	US 280 widening to 4 lanes between US 80 and Olive Branch Rd	Related Projects, Improvement Options	North Bryan Transportation Study

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130	US 280	-	Operational and safety improvements	US 280 at Oracal Pkwy/ Interstate Centre Blvd improvements: - Roundabout (stakeholder comments) - Signal (North Bryan Transportation Study) - Add lanes to US 280 (North Bryan Transportation Study)	Related Projects, Stakeholder Comments	North Bryan Transportation Study
131	US 301	-	Operational and safety improvements	Raised median and driveway control between SR 46 and US 301 Bypass	Improvement Options	
133	US 80	-	Capacity adding and new connections	Widen to 6 lanes between I-95 and Burnsed Blvd; Provide raised median with median openings at every 1000'	Improvement Options	
136	US 80	-	Capacity adding and new connections	SR 26/US 80 widening to 4 lanes between Amanda Rd and SR 17	Related Projects, Improvement Options	Bulloch LRTP 2035 North Bryan Transportation Study
138	W Bay St	-	Railroad crossings	Grade separate for President St at Truman RRX	Stakeholder Comments	
139	Belfast Keller Rd	-	Operational and safety improvements	Belfast Keller Rd at Great Ogeechee Pkwy intersection: signalize	Related Projects	Belfast Keller Rd Transportation Assessment
140	Belfast Keller Rd	-	Operational and safety improvements	Belfast Keller Rd at I-95 interchange improvement with bridge widening over I-95, consider: 1. multilane roundabout 2. conventional signalized intersection	Related Projects	Belfast Keller Rd Transportation Assessment
145	SR 21	-	Operational and safety improvements	SR 21 at Fort Howard Convert Driveways intersection improvements: - I-21: SR 21 Near Fort Howard Convert Driveways, RCUT Configuration - I-23: SR 21 And Fort Howard Rd Convert NB Right Turn To Thru	Related Projects	Effingham TMP
148	SR 21	-	Operational and safety improvements	I-28: SR 21 SB And Goshen Rd intersection - WB Left Turn	Related Projects	Effingham TMP
149	SR 21	-	Operational and safety improvements	I-43: SR 21 And E 4th St (Rincon) Signalize Intersection, WB Left Turn	Related Projects	Effingham TMP

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150	US 17	-	Operational and safety improvements	SR 307 at SR 25/US 17/OGEECHEE RD intersection improvement: dual EBL; remove WB FFR and overlap phase	Related Projects	SR 307 Corridor Study Final Report
154	US 17	US 17 at Belfast Keller Rd	Operational and safety improvements	Signalize intersection	Related Projects, Improvement Options	Richmond Hill - South Bryan County Transportation Study; Belfast Keller Rd Transportation Assessment
158	US 17	US 17 at Chatham Pkwy	Operational and safety improvements	Provide dual EBL, provide WBR and SBR	Improvement Options	
161	SR 21	SR 21 at SR 119	Operational and safety improvements	Dual NBL	Related Projects, Improvement Options	Effingham TMP
163	SR 21	SR 21 at McCall Rd (South)	Operational and safety improvements	Channelized EBR	Related Projects, Improvement Options	Effingham TMP
164	SR 21	SR 21 at Old Augusta Rd	Operational and safety improvements	Widening of SR 21 and provide dual NBR turn lanes from SR 21	Related Projects, Improvement Options	Effingham TMP
168	SR 21	SR 21 at Sonny Dixon Interchange	Freight Accommodations	Widening the intersection for better truck turning movements	Improvement Options	
169	SR 21	SR 21 at Sonny Dixon Interchange	Operational and safety improvements	Widen Sonny Dixon Road	Improvement Options	
171	US 80	US 80 at US 301 Bypass	Operational and safety improvements	Dual NBL and WBL	Improvement Options	
174	US 80	US 80 at SR 119	Operational and safety improvements	Multilane roundabout	Related Projects	North Bryan Transportation Study
176	US 80	US 80 at SR 119	Operational and safety improvements	realign as a single intersection	Improvement Options	
179	US 80	US 80 at US 280	Operational and safety improvements	Multilane roundabout (as shown in PI 0018386)	Related Projects	North Bryan Transportation Study; PI0018386

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185	US 80	US 80 at Chatham Pkwy	Operational and safety improvements	Remove Heidth Ave from the intersection and shift the traffic onto Kessler Ave.	Improvement Options	
188	I-16	I-16 at Pooler Pkwy Interchange	Operational and safety improvements	Dual WBL and WBR (one shared left and right turn lane) from I-16 WB exit ramp	Related Projects, Improvement Options	S015751/S015752
189	I-16	I-16 at Pooler Pkwy Interchange	Operational and safety improvements	I-16 EB Ramps: Provide SB dual left turn lane from Pooler Pkwy I-16 WB Ramps: Provide additional shared lane on I-16 WB exit ramp; provide dual WBL and WBR	Improvement Options	
190	I-95	I-95 at Airways Ave interchange	Operational and safety improvements	Signal offset optimization of the following intersections: - Airways Ave at I-95 NB Ramps - Pooler Pkwy at I-95 SB Ramps - Pooler Pkwy at Mill Creek Cir - Pooler Pkwy at Benton Blvd	Improvement Options, Stakeholder Comments	
191	I-95	I-95 at Airways Ave interchange	Operational and safety improvements	Provide I-95 SB flyover ramps at Airways Ave interchange	Related Projects	I-95 at Airways
196	SR 204	SR 204 at Old River Rd	Operational and safety improvements	Single lane roundabout	Improvement Options	
198	US 301	US 301 at AJ Riggs Rd	Operational and safety improvements	signalized intersection	Improvement Options	
201	US 80	US 80 at SR 17/SR 30	Operational and safety improvements	Multilane roundabout with an EBR bypass lane from US 80	Related Projects, Improvement Options	Effingham TMP
203	John Carter Rd	John Carter Rd at Little Neck Rd	Operational and safety improvements	signalized intersection	Improvement Options	
207	US 80	-	Operational and safety improvements	US 80 at Old River Rd Intersection improvements: - I-1: Old River Road at US 80 convert to one way, WB left-turn - I-41: US 80 and Old River Rd signal warrant study	Related Projects	Effingham TMP

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208	US 80	-	Operational and safety improvements	US 80 at Sand Hill Rd (Old Darien Rd) intersection: - I-32: US 80 and Sand Hills Rd southbound left and right turn; Traffic signal - Roundabout	Related Projects, Improvement Options	Effingham TMP
210	SR 21	-	Operational and safety improvements	I-25: MUT Intersection at SR 21 and Towne Park Dr	Related Projects	Effingham TMP
211	SR 21	-	Operational and safety improvements	I-26: MUT Intersection at SR 21 and Westwood Dr	Related Projects	Effingham TMP
212	SR 17	-	Operational and safety improvements	I-18: SR 17 at SR 30 intersection - install two-way center turn lane at SBL and WBL	Related Projects	Effingham TMP
214	SR 17	-	Operational and safety improvements	I-42: SR 17 at Jabez Jones Rd intersection - signal; southbound left and northbound right turn lanes	Related Projects	Effingham TMP
216	I-16	-	Freight Accommodations	I-16 EB and WB weigh station #7 expansion	Related Projects	GDOT Statewide Truck Parking Research Project
217	US 17	-	Operational and safety improvements	US 17 at Harris Trail Rd intersection improvement: dual SBL, dual WBL	Related Projects	Belfast Traffic Analysis Report
218	US 80	-	Operational and safety improvements	US 80 at SR 307 - Short-term intersection improvements; long term (5 years+) SPUI or CFI	Related Projects	SR 307 Corridor Study Final Report
219	SR 21	SR 21 at Burnsed Blvd	Operational and safety improvements	SR 21 at Burnsed Blvd intersection improvements to be determined through ICE analysis	Improvement Options	
220	US 280	-	Operational and safety improvements	Construct roundabout at US 280 at Wilma Edwards Rd	Related Projects	North Bryan County website
221	SR 119	-	Capacity adding and new connections	Blue Jay Rd extension from SR 21 and US 80/US 280; Freight upgrade - widen travel lanes and improve roadway structures to support truck movements.	Related Projects	Effingham TMP
222	SR 21	-	Capacity adding and new connections	SR 30 widening to 4 lanes between SR 21 and Effingham Pkwy	Improvement Options	

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223	I-16	I-16 at Old River Rd Interchange	Operational and safety improvements	Interchange improvements to be determined through ICE analysis	Improvement Options	
224	SR 25	-	Railroad crossings	Grange Rd RRX - Potential Railroad crossing improvements	Improvement Options	
225	SR 21	-	Railroad crossings	Dean Forest Rd RRX between Bourne Ave and SR 21 (3 locations) - Potential Railroad crossing improvements	Improvement Options	
226	Old Augusta Rd	-	Railroad crossings	Old Augusta Rd RRX - Potential railroad crossing improvements	Improvement Options	
227	SR 21	-	Railroad crossings	McCall Rd RRX near Golden Dr - Potential railroad crossing improvements	Improvement Options	
228	SR 21	-	Railroad crossings	McCall Rd RRX near BlueJay and Blandford Rd - Potential railroad crossing improvements	Improvement Options	
229	SR 21	-	Railroad crossings	McCall Rd RRX near Gateway Pkwy - Potential Railroad crossing improvements	Improvement Options	
230	Old River Rd	-	Railroad crossings	Old River Rd RRX near Pecan Grove Blvd - Potential railroad crossing improvements	Improvement Options	
231	SR 204	-	Railroad crossings	SR 204 RRX near Georgia Pacific Rd - Potential railroad crossing improvement	Improvement Options	
232	SR 21	-	Railroad crossings	SR 21 RRX north of Rincon - Potential railroad crossing improvements	Improvement Options	