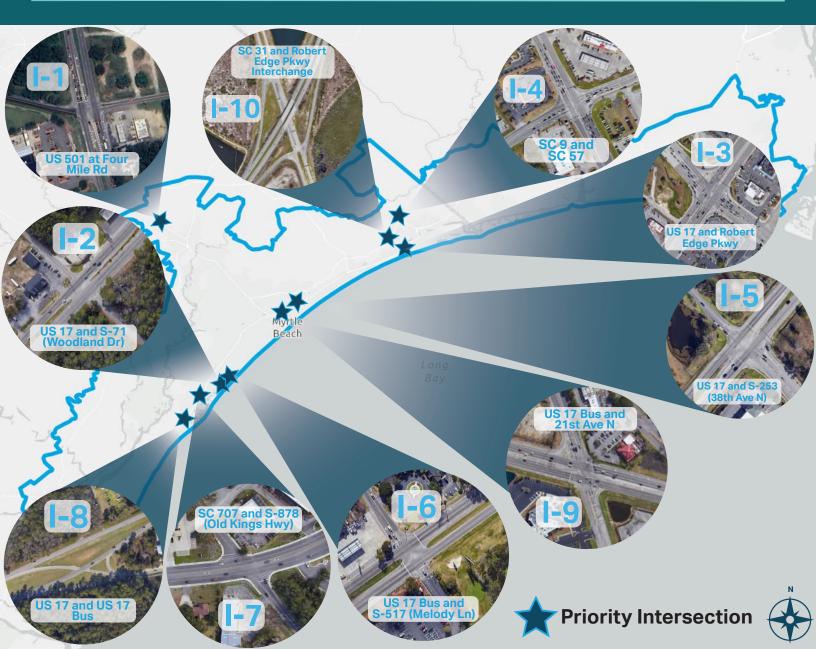


Priority Project Intersection and Corridor Cut-Sheets, Concepts, and Renderings

Priority Intersections

Intersections							
ID	County	Municipality	Location				
1	Horry	Conway	US 501 at Four Mile Road				
2	Horry		US 17 and S-71 (Woodland Dr)				
3	Horry	North Myrtle Beach	US17 and Robert Edge Pkwy				
4	Horry		SC 9 and SC 57				
5	Horry	Myrtle Beach	US 17 and S-253 (38th Ave N)				
6	Horry	Surfside Beach	US 17 Bus and S-517 (Melody Lane)				
7	Georgetown		SC 707 and S-878 (Old Kings Hwy)				
8	Georgetown		US 17 and US 17 Bus				
9	Horry	Myrtle Beach	US 17 and 21st Ave S				
10	Horry	North Myrtle Beach	SC 31 and Robert Edge Pkwy Interchange				





US 501 at Four Mile Road (S-548)

Location: US 501 & S-548/Four Mile Road (33.873539°, -79.104818°)



\$1,500

\$4,000

\$70,000

>100

>100

<1.0

\$951,130

8.0%

28.2%

18.0%

TOTAL ESTIMATED COST



CRASH HISTORY LEGEND						
MANNER OF COLLISION	SEVERITY		PEDESTRIAN/BIKE			
Angle	•	Fatal (K)		Pedestrian	本	
Rear End	•	Incapacitating Injury (A)			Ŋ	
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	~	
Sideswipe		Possible Injury (C)			0.0	
Head On	*	Property Damage Only (O)				
Other/Unknown	•	, , , , , , , , , , , , , , , , , , , ,				

NUMBER OF CRASHES (2019 – 2023)									
Туре	Type Fatal (K) Incapacitating Non-Incapacitating Possible Property Damage Injury (A) Injury (B) Injury (C) Only (O)								
Vehicle	1	2	6	9	67	85			
Ped/Bike	1	0	0	0	0	1			
Day	1	1	4	8	47	61			
Night	1	1	2	1	20	25			

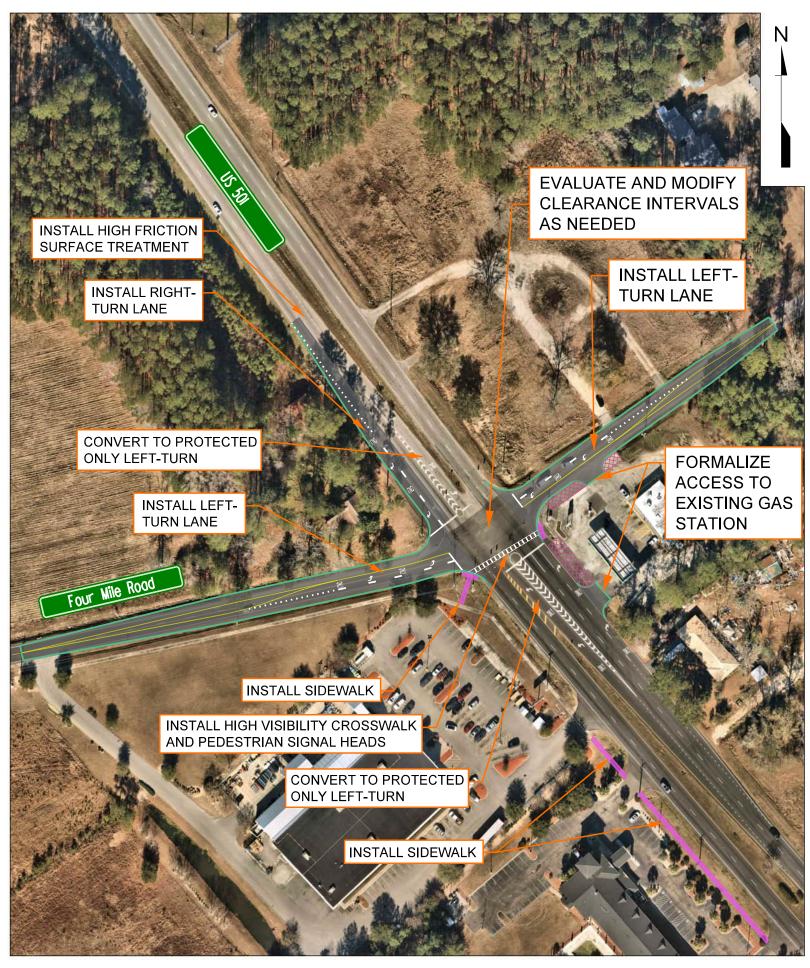
			A	A				
INTERSECTION CH	INTERSECTION CHARACTERISTICS							
Major Street Minor Street	US 501 S-548/Fo	our Mile R	≀oad					
Functional Classification (Major Minor)	Principal Arterial	Major Co	ollector					
Cross-Section (Major Minor)	4-Lane Divided 2	?-Lane Un	ıdivided					
Posted Speed Limit (Major Minor)	55 mph 35-45 m	ph						
Estimated 2023 AADT (Major Minor)	21,800 vpd 3,000	O vpd						
Jurisdiction	Horry County Cit	y of Conv	vay					
Schools Within ½ Mile?	Yes							
Within Justice40 (J40) Area?	Yes							
PROPOSED COUN	PROPOSED COUNTERMEASURES							
Countermeasure	CRF ¹	Cost ²	B/C³					
Install southbound right-turn lane along US 501.		14.0%	\$150,000	1.16				
Install pedestrian accommodations (high-visibility ladder-style crosswalk and pedes	trian signal heads).	48.0%	\$12,500	>100				
Extend existing sidewalk along west side of US along frontage of nearby motel	Extend existing sidewalk along west side of US 501 to the south along frontage of nearby motel		\$27,000	>100				
approaches.	and Four Mile Road	47.0%	\$600,000	3.43				

Evaluate yellow and red clearance intervals and modify as

Consider and install protected only left-turn phasing for both approaches along US 501.

Manage access at the southeast quadrant of the intersection to formalize access to the existing gas-station parcel.

necessary.











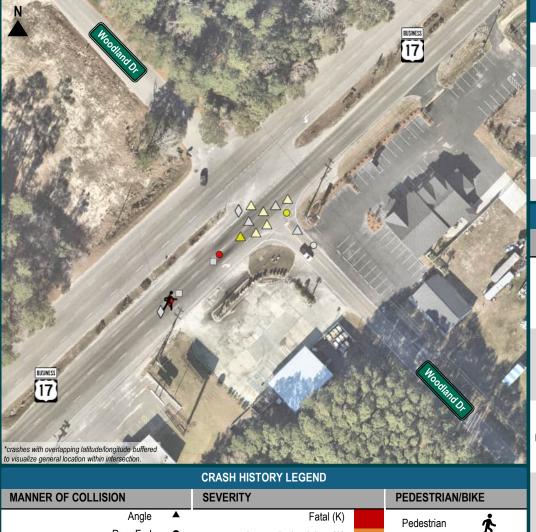


US 17 and Woodland Dr (S-71)

Type: Intersection | Project ID: I-2

Location: US 17 Business & S-71/Woodland Drive (33.596189°, -78.998693°)





crashes with overlapping latitude/longitude buffered o visualize general location within intersection.								
CRASH HISTORY LEGEND								
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/BIKE				
Angle	•	Fatal (K)		Pedestrian	·			
Rear End	•	Incapacitating Injury (A)			N			
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	\$			
Sideswipe		Possible Injury (C)			0.0			
Head On	*	Property Damage Only (O)						
Other/Unknown	•							
NUMBER OF ORACUES (2040 - 2020)								

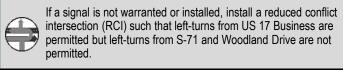
NUMBER OF CRASHES (2019 – 2023)									
Unit	Fatal (K)	Incapacitating Injury (A)	Non-Incapacitating Injury (B)	Possible Injury (C)	Property Damage Only (O)	Total			
Vehicle	1	0	2	5	8	16			
Ped/Bike	1	0	0	0	0	1			
Day	0		1	2	7	10			
Night	2	0	1	3	1	7			

100	INTERSECTION CHA	IRACTERISTICS
	Major Street Minor Street	US 17 Business S-71/Woodland Drive
	Functional Classification (Major Minor)	Principal Arterial Major Collector
	Cross-Section (Major Minor)	4-Lane Divided 2-Lane Undivided
	Posted Speed Limit (Major Minor)	45 mph 30 mph
	Estimated 2023 AADT (Major Minor)	32,300 vpd 1,600 vpd
100	Jurisdiction	Horry County
	Schools Within 1/2 Mile?	Yes
1	Within Justice40 (J40) Area?	No

INTERSECTION CHARACTERISTICS

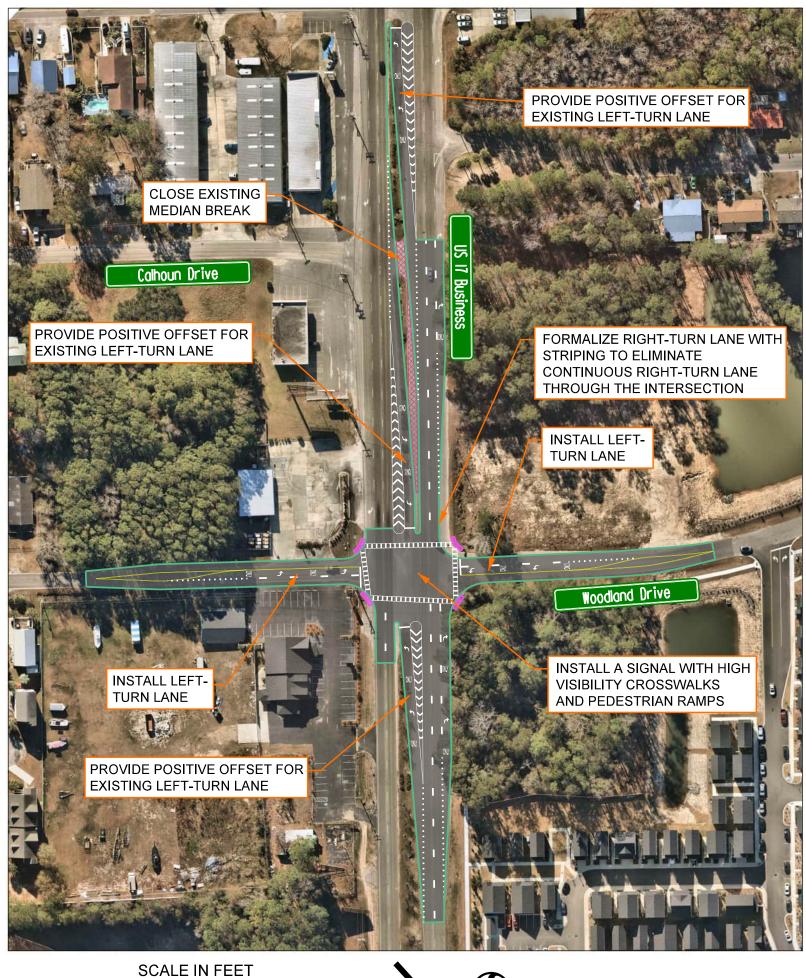
5	PROPOSED COUNTERMEASURES			
	Countermeasure	CRF ¹	Cost ²	B/C ³
the stay of	Provide positive offset for left-turn lanes along US 17 Business	35.6%	\$400,000	2.68
	Formalize southbound right-turn lane along US 17 Business with a bulb-out to eliminate the continuous right-turn lane through the intersection.	59.0%	\$10,000	4.97
	Install intersection lighting on each corner.	28.0%	\$40,000	>100

	Install a signal at the intersection if warranted.	44.0%	\$250,000	74.3
な	If a signal is installed, install exclusive left-turn lanes along the S-71/Woodland Drive approaches.	47.0%	\$450,000	<1.0



1.47

34.8% \$450,000



200 400

100







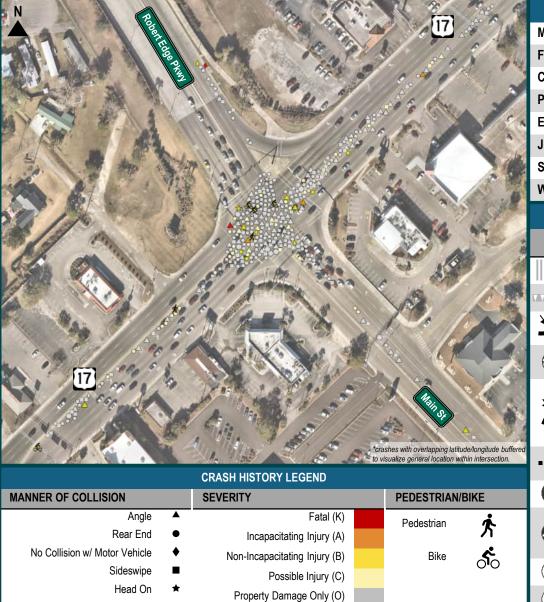


US 17 and Robert Edge Pkwy/Main St

Type: Intersection | Project ID: I-3

Location: US 17 & Robert Edge Parkway/Main Street (33.828307°, -78.679940°)





	Other/Unknown •								
NUMBER OF CRASHES (2019 – 2023)									
Unit	Unit Fatal (K) Incapacitating Non-Incapacitating Possible Property Damage Injury (A) Injury (B) Injury (C) Only (O)				Total				
Vehicle	2	3	13	37	301	356			
Ped/Bike	0	1	5	0	0	6			
Day	0	2	10	23	256	291			
Night	2	2	8	14	45	71			

INTERSECTION CHARACTERISTICS				
Major Street Minor Street	US 17 Robert Edge Pkwy/Main St			
Functional Classification (Major Minor)	Principal Arterial Minor Arterial			
Cross-Section (Major Minor)	7-Lane (w/TWLTL) 4-Lane Divided			
Posted Speed Limit (Major Minor)	40 mph 40 mph/35 mph			
Estimated 2023 AADT (Major Minor)	44,100 vpd 32,200 vpd / 13,600 vpd			
Jurisdiction	Horry County City of North Myrtle Beach			
Schools Within 1/2 Mile?	No			
Within Justice40 (J40) Area?	No			

		PROPOSED COUNTERMEASURES			
		Countermeasure	CRF ¹	Cost ²	B/C ³
17100000		nstall high visibility ladder style crosswalks on all approaches.	40.0%	\$8,500	>100
No.	TTTTT In	nstall triangular yield markings at all channelized right turns.	20.0%	\$2,000	>100
		ighten radius of channelization on SB (US 17) right turn approach y installing pavement markings.	44.2%	\$5,500	>100
		nstall solid white lane marking from end of SB (US 17) right turn hannelization and install flexible delineators.	45.0%	\$6,500	65.8
	pa la	ighten channelization on NB (US 17) right turn approach with avement markings. Bring in outer line and push out into the Main Stane to establish a standard lane width. This will tie into the existing like lane further to the east along Main St.	44.2%	\$3,500	>100
d		nstall dashed edge lines along US 17 and exits of channelized right urns.	3.0%	\$1,000	10.1
	In	nstall RRFB on the SB (US 17) right turn approach.	69.0%	\$40,000	48.4
		nstall channelizing concrete medians on the NB (US 17) approach nd WB (Main St) approach to replace painted areas. Provide	13.0%	\$25,000	26.6

	pedestrian refuge and ramps within the concrete medians.			
	Install new pedestrian equipment in the channelizing islands.	7%	\$16,000	12.3
§	Install additional signal heads to ensure one signal head per lane.	9.85%	\$4,000	32.7
EU.	Install a high friction aurface treatment (HECT) along ED (Debart			

	Install a high friction surface treatment (HFS1) along EB (Robert Edge Pkwy) approach heading toward the intersection with US 17.	48.5%	\$150,000	10.4
4	Install raised concrete median along the SB (US 17) approach.	70.8%	\$75,000	34.4

	TOTAL ESTIMATED COST	\$357.	.000
Install intersection lighting on each corner.	28.0%	\$20,000	>10

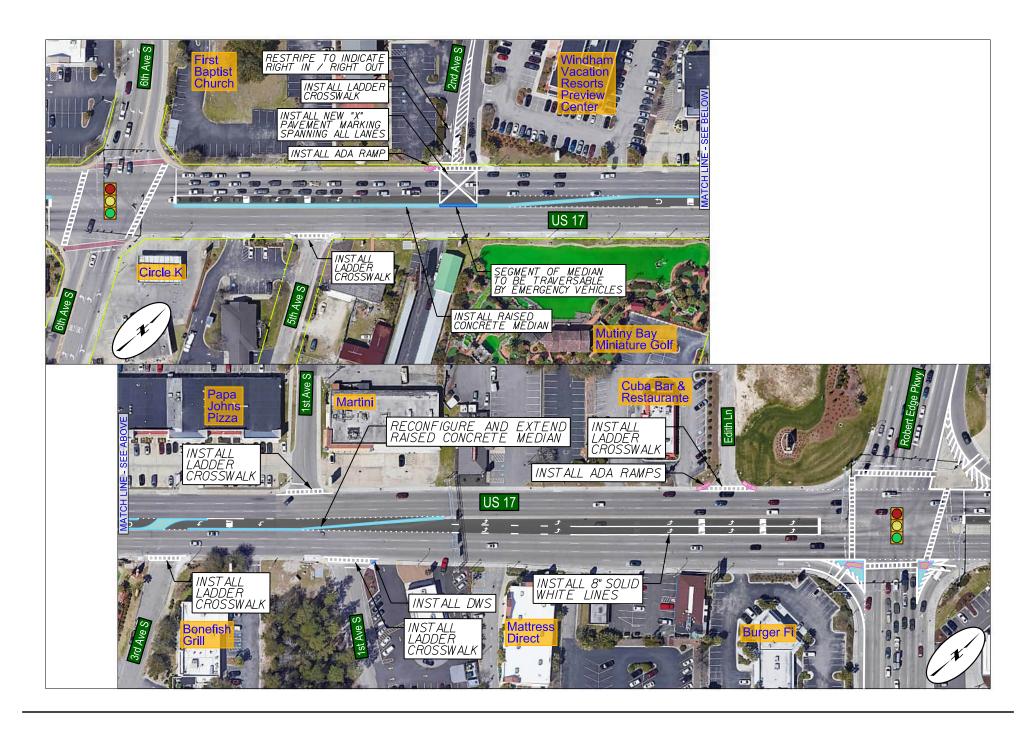


Figure 10 - US 17 from 6th Avenue S to Robert Edge Parkway



Figure 11 - US 17 at Robert Edge Parkway



Figure 12 - US 17 from Robert Edge Parkway to 2nd Ave N







SC 9 and SC 57

Vehicle

Ped/Bike

Day

Night

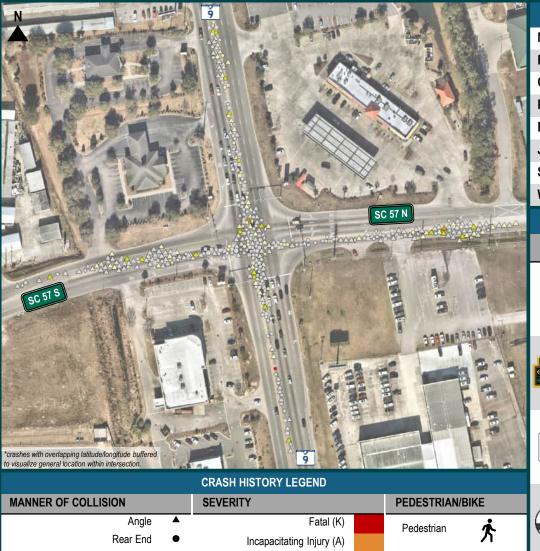
Type: Intersection | Project ID: I-4

Location: SC 9 & SC 57 (33.884663°, -78.687481°)



\$144,500

TOTAL ESTIMATED COST



*crashes with overlapping latitude/longitude buffered to visualize general location within intersection.									
CRASH HISTORY LEGEND									
MANNER OF COLLISION				SEVERITY PEDESTRIA			PEDESTRIAN/BI	N/BIKE	
		Angle	A		Fatal (K)		Pedestrian	Å	
Rear End ●			•	Incapacitating	Injury (A)			Ŋ.	
No Collision w/ Motor Vehicle ◆			♦	Non-Incapacitating	Injury (B)		Bike	्रं	
	Side	swipe		Possible	Injury (C)			0.0	
	He	ad On	*	Property Damage Only (O)					
	Other/Unl	known	•						
		NL	JMBER OF	CRASHES (2019 – 20	023)				
Unit	Fatal (K)		acitating ury (A)	Non-Incapacitating Injury (B)	Possibl Injury (C	-	Property Damage Only (O)	Total	

15

60

390 0 338

52

308

268

40

(Absco Drive to remain full access).

				A	A
	INTERSECTION CI	HARACTERISTICS			
	Major Street Minor Street	SC 9 SC 57			
V/	Functional Classification (Major Minor)	Principal Arterial	Major Col	lector	
ğ	Cross-Section (Major Minor)	5-Lane (w/TWLTL) 2-Lane	Undivided	
1	Posted Speed Limit (Major Minor)	45 mph 35 mph			
4	Estimated 2023 AADT (Major Minor)	29,500 5,700 vpc	1 / 13,200	vpd	
	Jurisdiction	Horry County			
	Schools Within ½ Mile?	No			
	Within Justice40 (J40) Area?	No			
	PROPOSED COU	NTERMEASURES			
	Countermeasure		CRF ¹	Cost ²	B/C ³
	Install additional signal heads to ensure one sig	9.85%	\$4,500	>100	
	Replace five-section left-turn signal heads with yellow arrow signal heads.	four-section flashing	6.6%	\$3,000	>100
A. C.	Shift eastbound (SC 57) left-turn lane to the nor and allow permitted/protected phasing (improvi	35.6%	\$15,000	>100	
	Install raised median on south leg of intersection pharmacy store access to the south of intersection		55.4%	\$12,000	36.1
	Install raised median on east leg of the intersect west of the Horry County Fire Rescue Station 1 (maintaining full access in and out of the drivew	8 driveway	55.4%	\$65,000	99.0
	Install raised median on west leg from intersect (Absco Drive to remain full access).	ion to Absco Drive	55.4%	\$45,000	>100



SCALE IN FEET

100 200 400

0







US 17 and 38th Ave N (S-263)



40.2%

TOTAL ESTIMATED COST

\$48,000

N/A

\$331,500



CRASH HISTORY LEGEND							
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/BIKE			
Angle	A	Fatal (K)		Pedestrian	点		
Rear End	•	Incapacitating Injury (A)		. 54554.4	ν.		
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	Š		
Sideswipe		Possible Injury (C)			0.0		
Head On	*	Property Damage Only (O)					
Other/Unknown	•						

NUMBER OF CRASHES (2019 – 2023)									
Туре	Fatal (K)	Incapacitating Injury (A)	Non-Incapacitating Injury (B)	Possible Injury (C)	Property Damage Only (O)	Total			
Vehicle	2	2	12	18	99	133			
Ped/Bike	0	0	0	0	0	0			
Day	1	1	3	13	71	89			
Night	1	1	9	5	28	44			

INTERSECTION CHARACTERISTICS					
Major Street Minor Street	US 17 S-263/38 th Ave N				
Functional Classification (Major Minor)	Principal Arterial Minor Arterial				
Cross-Section (Major Minor)	4-Lane Divided 4-Lane Divided				
Posted Speed Limit (Major Minor)	45 mph 35 mph				
Estimated 2023 AADT (Major Minor)	46,800 vpd 8,300 vpd				
Jurisdiction	Horry County City of Myrtle Beach				
Schools Within ½ Mile?	No				
Within Justice40 (J40) Area?	Yes				

á	Schools Within ½ I	Vile?	No						
P	Within Justice40 (J	40) Area?	Yes						
100 M		PROPOSED COUNTERMEASURES							
		Countermeasure	CRF ¹	Cost ²	B/C ³				
	Install addition	onal signal heads to ensure	one signal head per lan	ne. 9.85%	\$3,000	44.4			
	Install interse	Install intersection lighting on each corner. Change from 5-section "doghouse" protected/permissive left turn to flashing yellow arrow protected/permissive left turn							
Service Service	f Extend left to	urn lane storage (100' each)	45.0%	\$200,000	N/A				
		ormal northbound acceleration	on lane along US 17	43.6%	\$15,000	88			
		ormal southbound accelerati e intersection	on lane along US 17	43.6%	\$12,000	>100			
	Install signal US 17	ahead signage with flasher	at both approaches alo	ong 25.5%	\$5,000	>100			
	Install high-v	risibility crosswalks at all leg	s of the intersection.	40.0%	\$2,500	N/A			

Install new sidewalk connection along Arundel Road to the next adjacent parallel roadway (Wild Iris Drive)









US 17 Bus and Melody Lane (S-517)

Vehicle

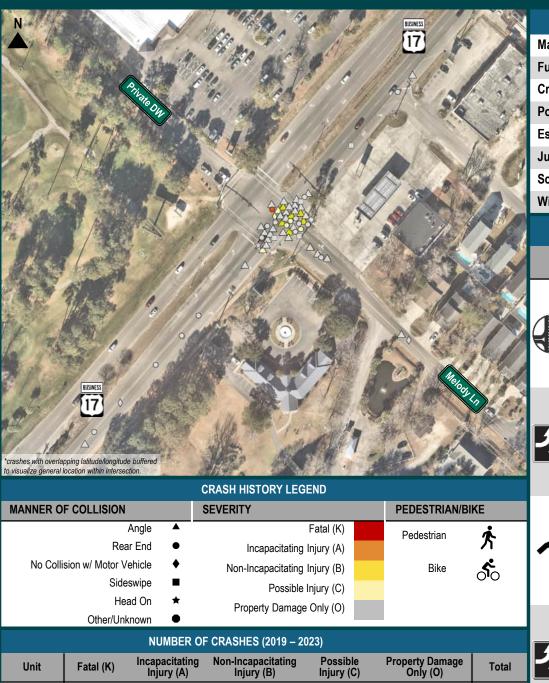
Ped/Bike

Day

Night

Location: US 17 Business & S-517/Melody Lane (33.600792°, -78.993286°)





51

39

12

72 0 56

16

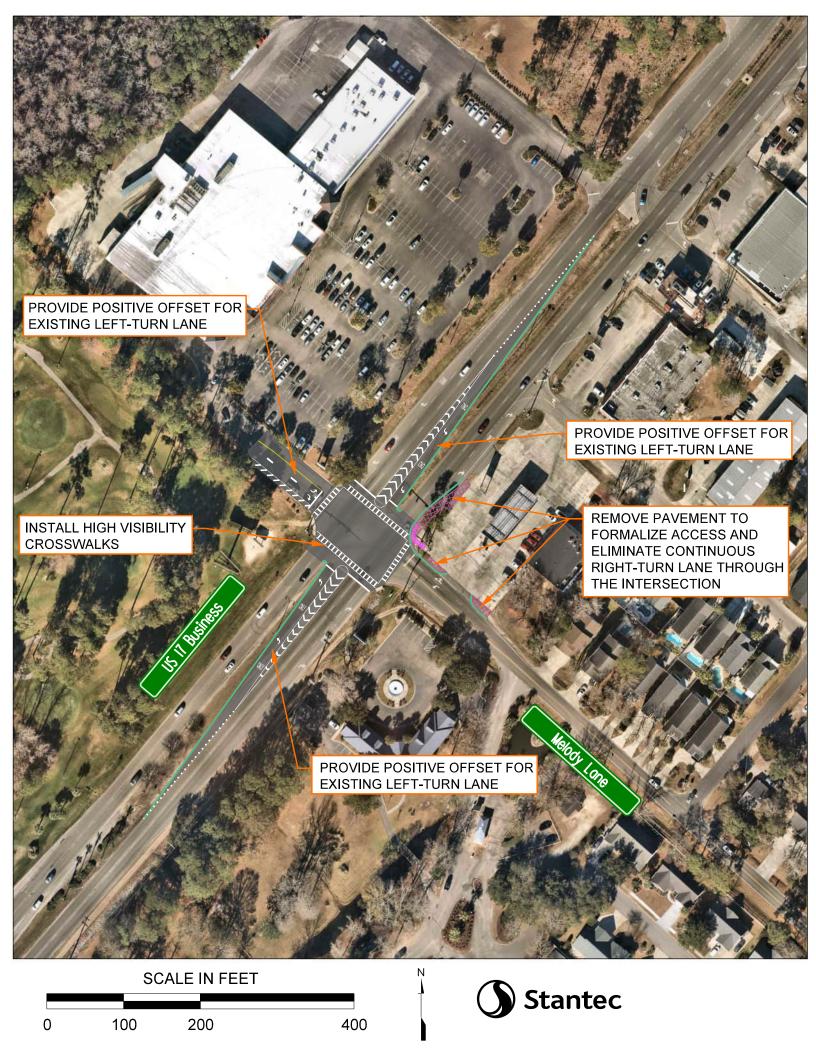
	³B/C = E	Benefit/Cost	Ratio (1)	A
INTERSECTION CH	ARACTERISTICS			
Major Street Minor Street	US 17 Bus S-517	7/Melody	Ln	
Functional Classification (Major Minor)	Principal Arterial	Major Co	llector	
Cross-Section (Major Minor)	4-Lane Divided 2	-Lane Un	divided	
Posted Speed Limit (Major Minor)	45 mph 35 mph			
Estimated 2023 AADT (Major Minor)	32,300 vpd 4,200) vpd		
Jurisdiction	Horry County To	wn of Sur	fside Beach	
Schools Within ½ Mile?	Yes			
Within Justice40 (J40) Area?	No			
PROPOSED COUN	TERMEASURES			
Countermeasure		CRF ¹	Cost ²	B/C ³
Manage access at the southeast quadrant of the formalize access to the existing gas-station parcentage.		18.0%	\$50,000	<1.0
Shift the northbound and left-turn lanes along Upprovide positive offset.	S 17 Business to	35.6%	\$205,000	10.46
Formalize northbound right-turn lane along US of bulb-out (in front of gas station parcel) eliminate right-turn lane through the intersection.		59.0%	\$15,000	4.97

3 C	Shift the eastbound (Private Driveway) left turn lane using available width of wide ingress lane to the private development to provide positive offset.
	TOTAL FOTINA

18.0%

\$2,000

11.38









SC 707 and Old Kings Hwy (S-878)

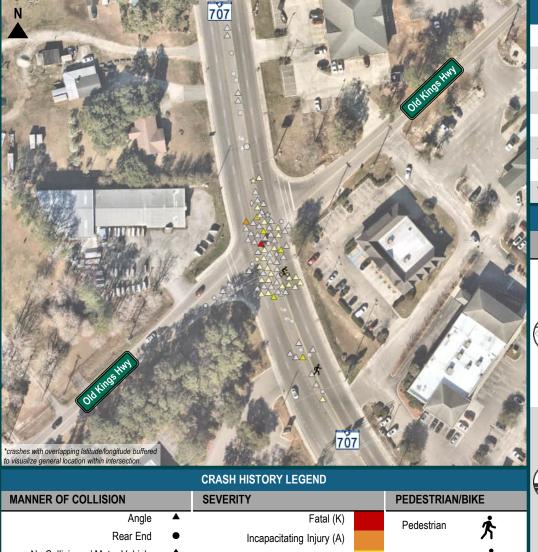
Project Sheet
Type: Intersection | Project ID: I-7
Location: SC 707 & S-878/Old Kings Hwy (33.568620°, -79.035775°)



CRF¹

Cost²

B/C³



to visualize general location within intersection.	- 01	1000000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1)			The second	-			
CRASH HISTORY LEGEND									
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/BIKE					
Angle	•	Fatal (K)		Pedestrian	本				
Rear End	•	Incapacitating Injury (A)			齐				
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	\$				
Sideswipe		Possible Injury (C)			0.0				
Head On	*	Property Damage Only (O)							
Other/Unknown	•								
NUMBER OF ORACUES (2040 - 2002)									

NUMBER OF CRASHES (2019 – 2023)						
Unit	Fatal (K)	Incapacitating Injury (A)	Non-Incapacitating Injury (B)	Possible Injury (C)	Property Damage Only (O)	Total
Vehicle	1	1	5	24	66	97
Ped/Bike	0	0	1	0	1	2
Day	0	0	5	20	59	84
Night	1	1	1	4	8	15

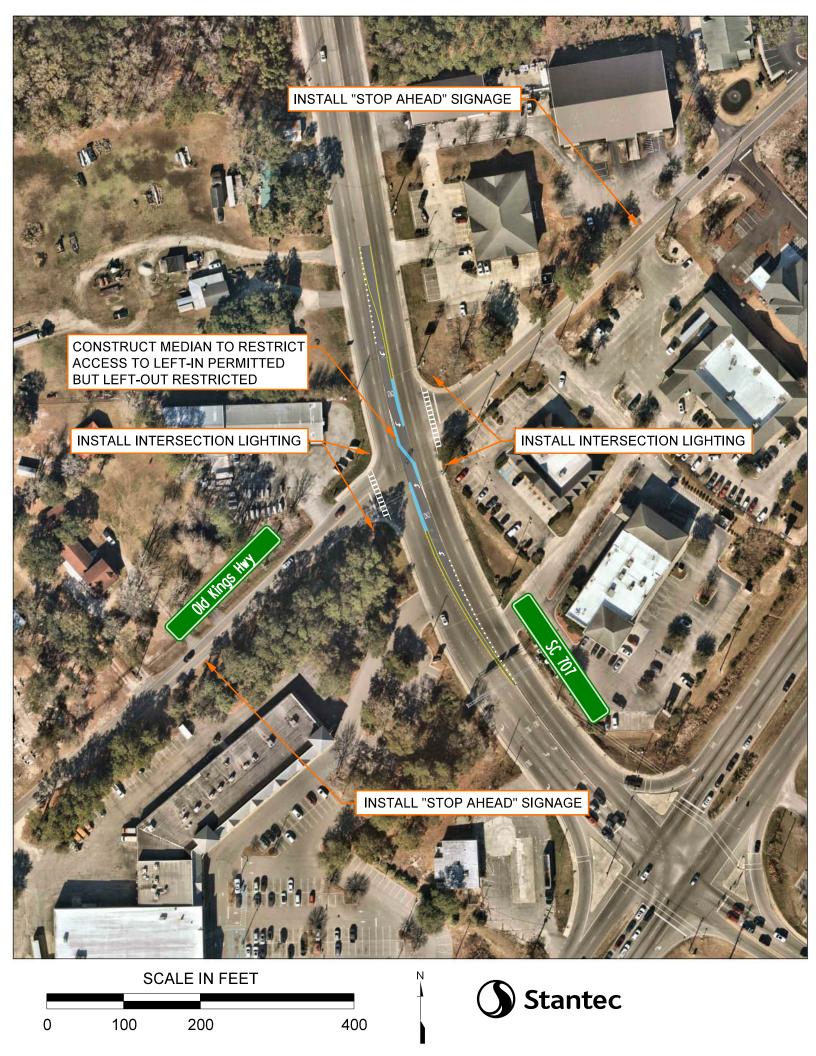
INTERSECTION CHARACTERISTICS				
Major Street Minor Street	SC 707 S-878 (Old Kings Hwy)			
Functional Classification (Major Minor)	Minor Arterial Major Collector/Local			
Cross-Section (Major Minor)	5-Lane (w/TWLTL) 2-Lane Undivided			
Posted Speed Limit (Major Minor)	45 mph 35 mph			
Estimated 2023 AADT (Major Minor)	24,700 vpd 5,300 vpd			
Jurisdiction	Georgetown County			
Schools Within ½ Mile?	No			
Within Justice40 (J40) Area?	No			
PROPOSED COUNTERMEASURES				

	Install advanced stop ahead markings and signage along S-878/Old Kings Hwy).	11.4%	\$1,000	79.45
--	--	-------	---------	-------

Countermeasure

Convert Two-way left-turn lane (TWLTL) median along SC 707 to a left-in only median ("3/4 access"), such that lefts out of S-878/Old Kings Highway are restricted.	48.5%	\$30,000	>100

In:	stall lighting at the intersection.	28.0%	\$40,000	>100
-----	-------------------------------------	-------	----------	------









US 17 and US 17 Bus

Location: US 17 & US 17 Business (33.528481°, -79.062329°)





visualize general location within intersection.						
CRASH HISTORY LEGEND						
MANNER OF COLLISION	PEDESTRIAN/	BIKE				
Angle	A	Fatal (K)		Pedestrian	Å	
Rear End	•	Incapacitating Injury (A)			욹	
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	~	
Sideswipe		Possible Injury (C)			0.0	
Head On	*	Property Damage Only (O)				
Other/Unknown	•	. , , ,				

NUMBER OF CRASHES (2019 – 2023)									
Unit	Fatal (K) Incapacitating Non-Incapacitating Possible Property Damage Injury (A) Injury (B) Injury (C) Only (O)								
Vehicle	1	5	1	6	7	20			
Ped/Bike	0	0	0	0	0	0			
Day	1	3	1	3	5	13			
Night	0	2	0	3	2	7			

INTERSECTION CHARACTERISTICS						
Major Street Minor Street	US 17 US 17 Business					
Functional Classification (Major Minor)	Principal Arterial Minor Arterial					
Cross-Section (Major Minor)	4-Lane Divided 2-Lane Undivided					
Posted Speed Limit (Major Minor)	55 mph 45 mph					
Estimated 2023 AADT (Major Minor)	41,600 vpd 4,300					
Jurisdiction	Georgetown County					
Schools Within 1/2 Mile?	No					
Within Justice40 (J40) Area?	Yes					

PROPOSED COUNTERMEASURES			
Countermeasure	CRF ¹	Cost ²	B/C ³

Install a signal at the currently stop-controlled intersection of US 17 and US 17 Business with signal ahead and flasher signage assembly along US 17 northbound approach and along US 17 Business westbound approach.

165,000 84.31



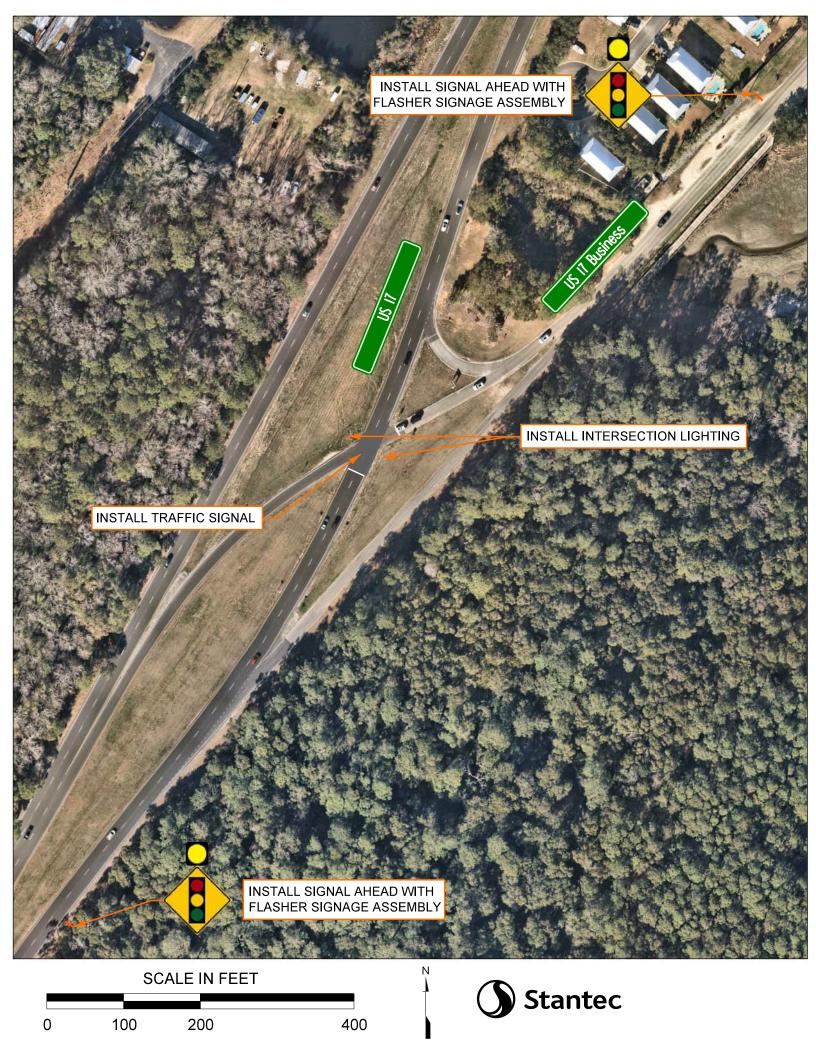
Install lighting at the intersection

28.0%

\$20,000

40.0

TOTAL ESTIMATED COST









US 17 and 21st Avenue S

Project Sheet
Type: Intersection | Project ID: I-9
Location: US 17 & 21st Ave N (33.716491°, -78.891352°)



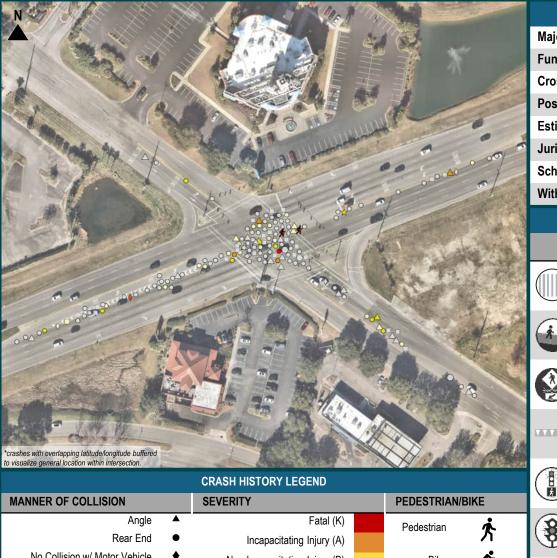
28.0%

TOTAL ESTIMATED COST

\$40,000

>100

\$114,500



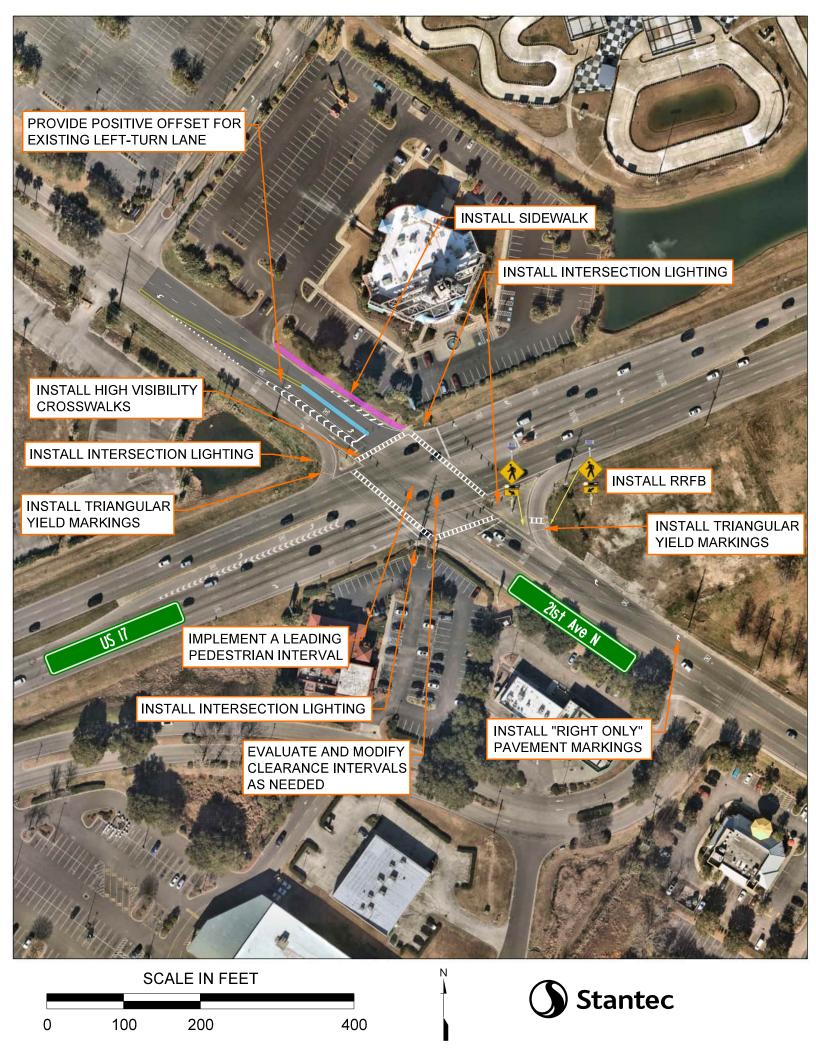
CRASH HISTORY LEGEND						
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/	BIKE	
Angle	A	Fatal (K)		Pedestrian	i	
Rear End	•	Incapacitating Injury (A)			N.	
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	~	
Sideswipe		Possible Injury (C)			0.0	
Head On	*	Property Damage Only (O)				
Other/Unknown	•	, , , , , , , , , , , , , , , , , , , ,				

NUMBER OF CRASHES (2019 – 2023)									
Unit	Fatal (K)	Incapacitating Injury (A)	Non-Incapacitating Injury (B)	Possible Injury (C)	Property Damage Only (O)	Total			
Vehicle	1	5	10	22	127	165			
Ped/Bike	1	1	0	0	0	2			
Day	1	4	4	13	100	122			
Night	1	2	6	9	27	45			

INTERSECTION CHARACTERISTICS				
Major Street Minor Street	US 17 21st Ave N			
Functional Classification (Major Minor)	Principal Arterial Minor Arterial			
Cross-Section (Major Minor)	6-Lane Divided 5-Lane (w/TWLTL)			
Posted Speed Limit (Major Minor)	50 mph 45 mph			
Estimated 2023 AADT (Major Minor)	19,900 vpd 14,300 vpd			
Jurisdiction	Horry County City of Myrtle Beach			
Schools Within ½ Mile?	No			
Within Justice40 (J40) Area?	Yes			
PROPOSED COUNTERMEASURES				

Scho	ools Within ½ Mile?	ı						
Withi	in Justice40 (J40) Area? Ye	s						
	PROPOSED COUNTERMEASURES							
	Countermeasure	CI	RF ¹ C	cost ²	B/C ³			
	Install high visibility ladder style crosswalks on all app	roaches. 40).0% \$2	2,500	>100			
4	Install sidewalk along north side of 21st Ave N in the n quadrant of the intersection	ortheast 40).2% \$2	20,000	>100			
	Install RRFB at the channelized right-turn for the WB approach.	(21st Ave N) 69	9.0% \$2	22,000	>100			
WWW	Install triangular yield markings at both channelized right.	ght turns. 20).0% \$2	2,000 1	12.65			
	Implement a leading pedestrian interval.	19	9.0% \$4	4,000	>100			
\$	Evaluate yellow and red clearance intervals and modi necessary.	fy as 8.	.0% \$ ⁷	1,500	>100			
ONLY	Add pavement markings to indicate that the WB approximation N) outer lane is right-turn only.	pach (21st Ave 3.	.0% \$2	2,500	38.45			
٠,	Shift eastbound left-turn lane (along 21 st Ave N) to the sight distance and provide positive offset – reducing t number of lanes along 21 st Ave N to one lane		5.0% \$2	20,000	20.85			

Install lighting at the intersection.









SC 31 and Robert Edge Pkwy Interchange

CRF1

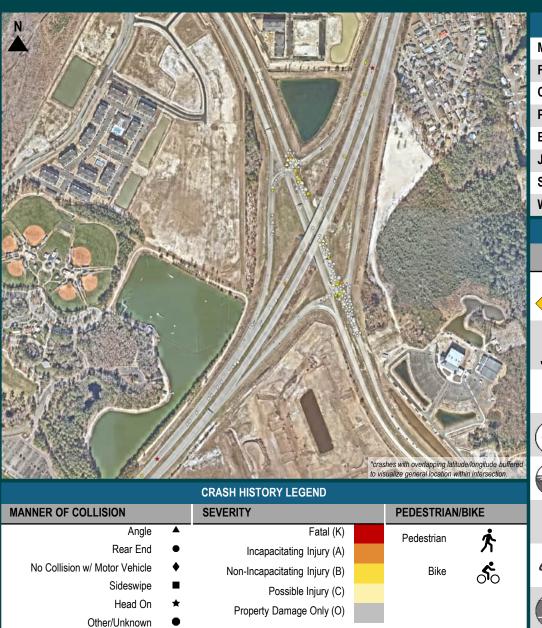
Cost²

B/C³

N/A

Type: Intersection | Project ID: I-10

Location: SC 31 & Robert Edge Pkwy [Freeway Interchange] (33.844252°, -78.701337°)



NUMBER OF CRASHES (2)	019 – 2023)
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NOMBER OF CRASHES (2019 - 2023)								
Unit	Fatal (K)	Incapacitating Injury (A)	Non-Incapacitating Injury (B)	Possible Injury (C)	Property Damage Only (O)	Total		
Vehicle	2	4	11	21	99	137		
Ped/Bike	0	0	0	0	0	0		
Day	0	1	7	16	69	93		
Night	2	3	4	5	30	44		

INTERSECTION CHARACTERISTICS

Major Street Minor Street	SC 31 Robert Edge Pkwy
Functional Classification (Major Minor)	Principal Arterial Minor Arterial
Cross-Section (Major Minor)	4-Lane Divided 4-Lane Divided
Posted Speed Limit (Major Minor)	65 mph 40 mph
Estimated 2023 AADT (Major Minor)	44,900 vpd 32,200 vpd
Jurisdiction	Horry County City of North Myrtle Beach
Schools Within ½ Mile?	No
Within Justice40 (MA) Area?	No

PROPOSED COUNTERMEASURES

Countermeasure

Add flashers to existing "Signal Ahead" signage along Robert Edge

	Parkway and add additional "Signal Ahead" signage to have signage on both sides of roadway.	25.5%	\$23,000	15.45
	Install additional dashed lines for SC 31 northbound and southbound left-turning movements to lead vehicles into the correct lanes along Robert Edge Parkway.	N/A	\$3,000	N/A
<u>~</u>	Install protected only phasing for the southbound left-turning movement from Robert Edge Parkway onto SC 31 northbound.	28.2%	\$3,000	>100
*	Evaluate yellow and red clearance intervals at both ramp terminal signalized intersections and modify as necessary.	8.0%	\$3,000	>100
	Install high friction surface treatment (HEST) along Robert Edge			

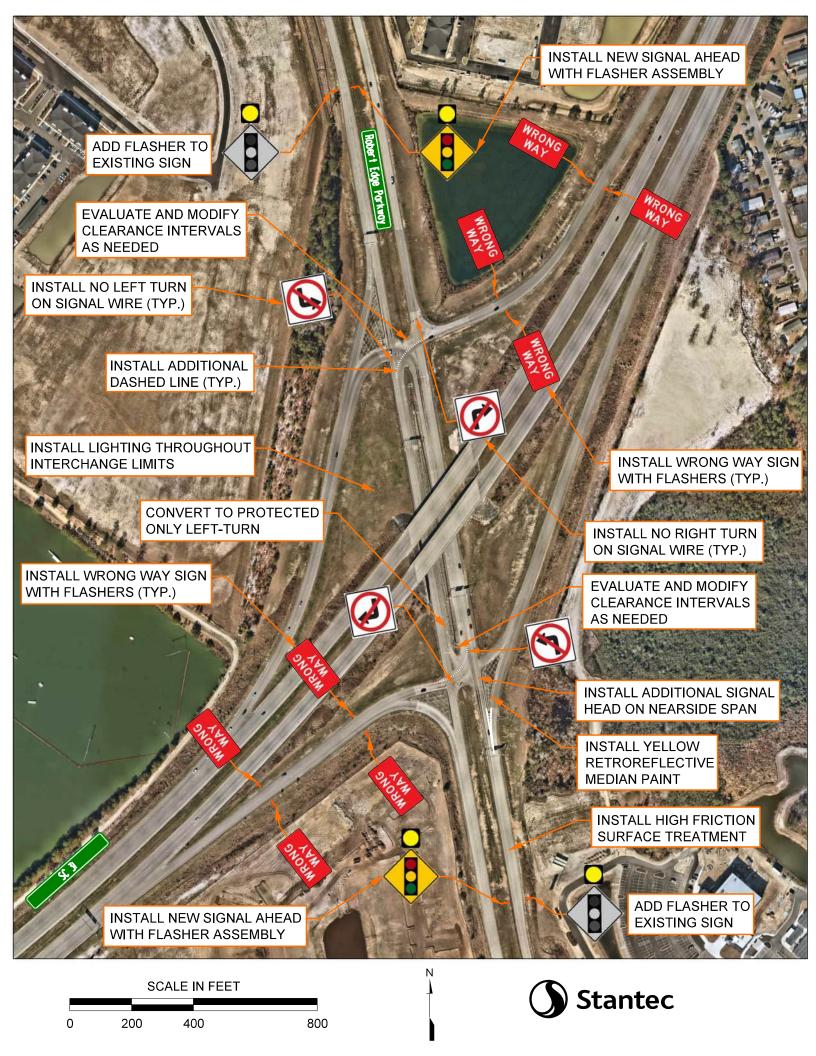
Parkway northbound approach to SC 31 northbound off/on-ramp intersection.	48.5%	\$55,000	14.15
Install additional signal head on nearside span for northbound approach to the SC 31 northbound ramp terminal intersection.	28.0%	\$5,000	>100

	Install gore markings and curb face paint along Robert Edge Parkway northbound approach to SC 31 eastbound ramp signal.	N/A	\$5,000
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Install lighting along Robert Edge Parkway and SC 31 at and in the vicinity of the interchange.	32.0%	\$1,330,000	22.34
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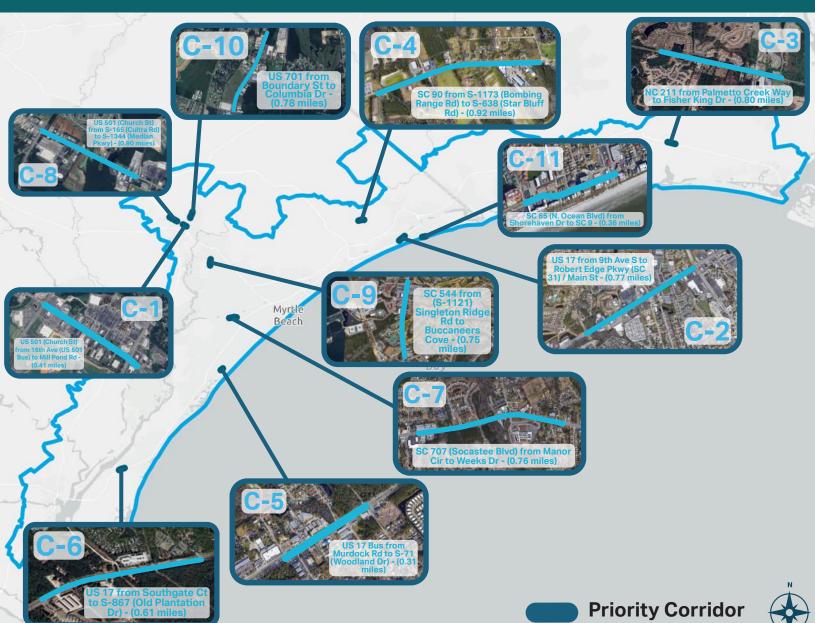
Ø	Add No Left Turn and No Right Turn signs to signal wire at both ramp terminal intersections as appropriate.	77.3%	\$3,000	>100
WRONG WAY	Modify existing "Wrong Way" signage to and install additional "LED enhanced Wrong Way" signage with flashers.	77.3%	\$44,000	>100

TOTAL ESTIMATED COST	\$1 474 N



Priority Corridors

Intersections				
ID	County	Municipality	Location	
1	Horry	Conway	US 501 (Church St) from 16th Ave (US 501 Bus) to Mill Pond Rd - (0.41 mi)	
2	Horry	North Myrtle Beach	US 17 from Robert Edge Pkwy (SC 31)/Main St to 9th Ave S - (0.77mi)	
3	Brunswick		NC 211 from Palmetto Creek Way to Fisher King Dr - (0.80 mi)	
4	Horry		SC 90 from S-1173 (Bombing Range Rd) to S-638 (Star Bluff Rd) - (0.92 mi)	
5	Horry		US 17 Bus from Murdock Rd to S-71 (Woodland Dr) - (0.61 mi)	
6	Georgetown	Conway	US 17 from Southgate Ct to S-867 (Old Plantation Dr) - (0.61 mi)	
7	Horry		SC 707 (Socastee Blvd) from Manor Cir to Weeks Dr - (0.76 mi)	
8	Horry		US 501 (Church St) from S-165 (Cultra Rd) to S-1344 (Medlan Pkwy) - (0.90 mi)	
9	Horry	Conway	US 501 (Church St) from (S-1121) Singleton Ridge Rd to Buccaneers Cove - (0.75 mi)	
10	Horry		US 701 from Boundary Street to Columbia Dr (0.78 mi)	
11	Horry	North Myrtle Beach	SC 65 N. Ocean Blvd from Shorehaven Dr to SC9 (0.36 mi)	





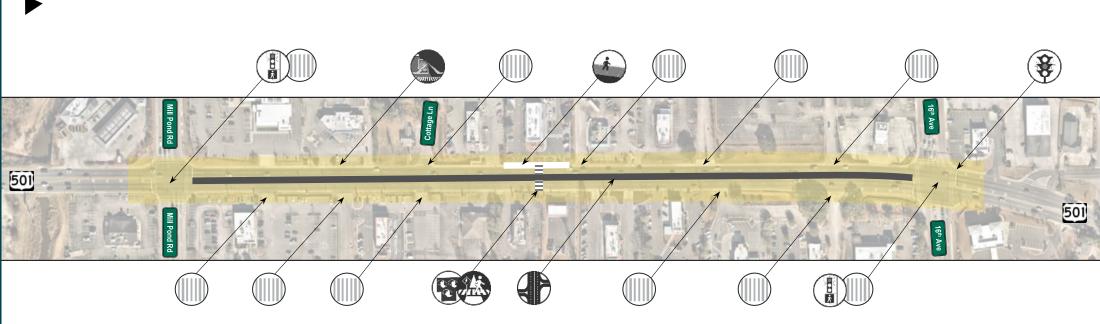
US 501 (Church St) from 16th Ave (US 501 Bus) to Mill Pond Rd – (0.41 mi)





CRASH HISTORY LEGEND						NUMB	ER OF CRASHES (20	19 – 2023)			١		
MANNER OF COLLISION		SEVERITY		PEDESTRIAN	/BIKE	Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total	ı
Angle	•	Fatal (K)		Pedestrian	۴.		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)		4
Rear End	•	Incapacitating Injury (A)		i euesiliali	K	Vehicle	0	6	22	77	391	496	ı
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	1	1	0	1	1	4	ľ
Sideswipe		Possible Injury (C)											1
Head On	*	Property Damage Only (O)				Day	0	3	17	64	315	399	
Other/Unknown	•	. Topoli, Bulliago Olly (O)				Night	1	4	5	14	77	101	

PROPOSED COUNTERMEASURES DIAGRAM



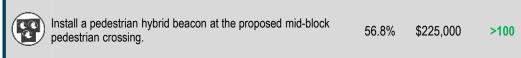
CRF = Crash Reduction Factor Cost = Estimated B/C = Benefit/Cost Ratio

-000	חמחוח		CTERISTICS
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OUIN			OTEINOTIO

Corridor Length	0.41 Miles
Functional Classification	Principal Arterial
Cross-Section	4-Lane Divided (w/ TWLTL)
Posted Speed Limit	40 mph
Estimated 2023 AADT	38,600 vehicles/day
Jurisdiction	Horry County City of Conway
Schools Within ½ Mile?	Yes
Within Justice40 (J40) Area?	Yes

PROPOSED COUNTERMEASURES

Countermeasure	CRF ¹	Cost ²	B/C ³
Provide access management through installation of a concrete raised median along the entire length of the corridor, including completing inter-parcel connectivity to provide additional rerouting options.	55.0%	\$375,000	56.6
Install lighting along the entire length of the corridor as well as at the signalized intersections at the corridor termini.	32.0%	\$240,000	82.7
Provide a mid-block pedestrian crossing at the approximate midpoint of the corridor (between the two signalized intersections) with a pedestrian refuge island within the proposed concrete	46.0%	\$15,000	>100



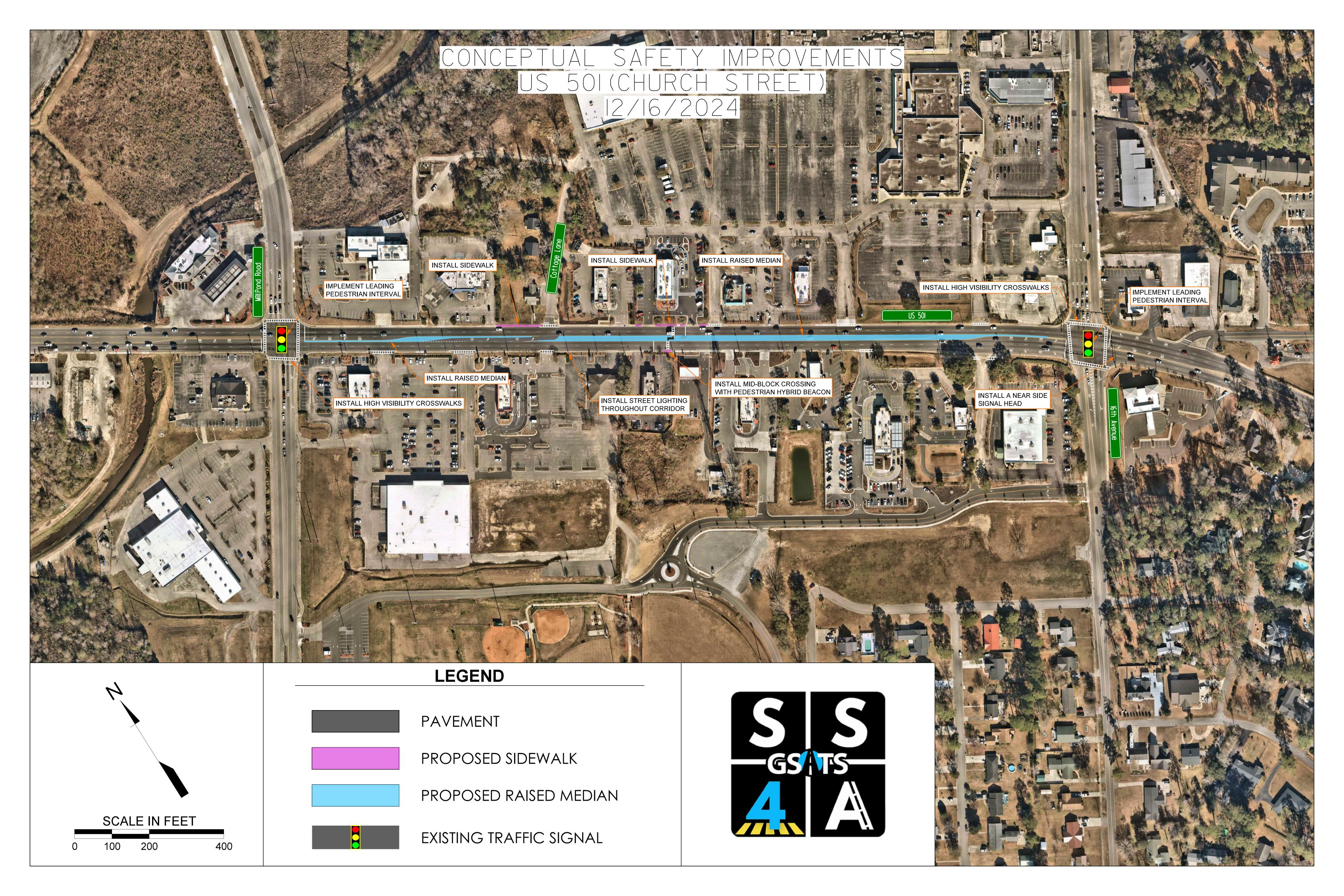
j	Install sidewalk at existing gap in sidewalk to complete a continuous section of sidewalk along the entirety of the corridor.	40.2%	\$8,000	>100

Install high visibility crosswalks at all signalized crosswalk locations (four at the 16 th Avenue signal and four at the Mill Pond 19.0% \$6,000 14 Road signal), as well as at major sidestreet crossing locations.	4.1
--	-----

Install a near side signal head at the northbound approach of the 16 th Avenue signalized intersection.	*	Install a near side signal head at the northbound approach of the 16 th Avenue signalized intersection.	28.0%	\$5,000	60.3
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Install leading pedestrian intervals at both signalized (at 16 th Avenue and Mill Pond Road)	intersections 19.0% \$8,000	10.5
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TOTAL ESTIMATED COST \$882,00



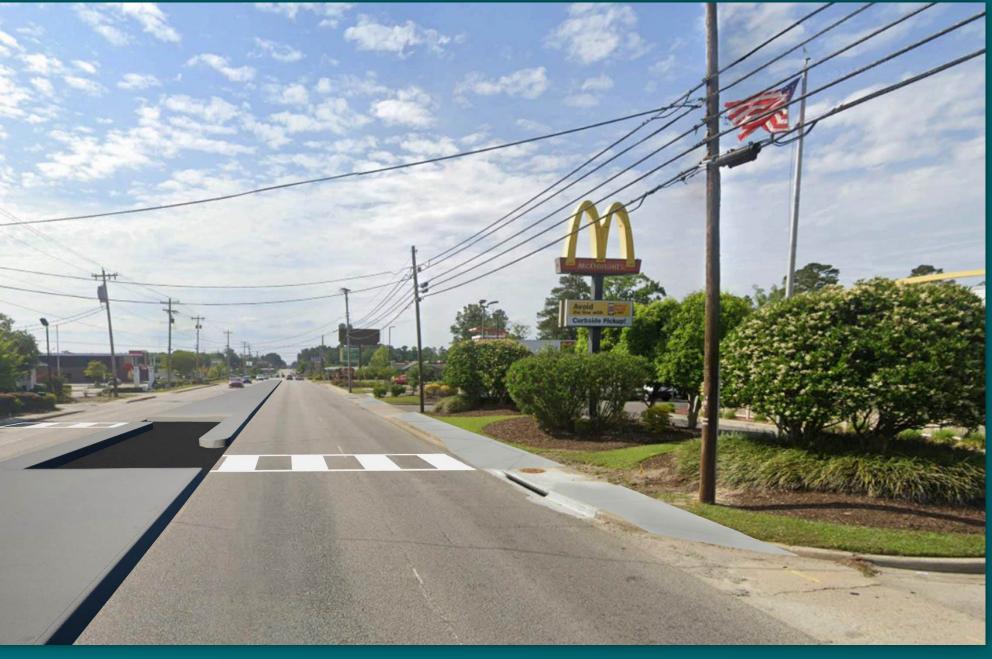


Existing





Corridor 1 - US 501 (Church St) from 16th Ave (US 501 Bus) to Mill Pond Rd – (0.41 mi)



SS AA Corridor 2

US 17 from Robert Edge Pkwy (SC 31) /Main St to 9th Ave S - (0.77 mi)

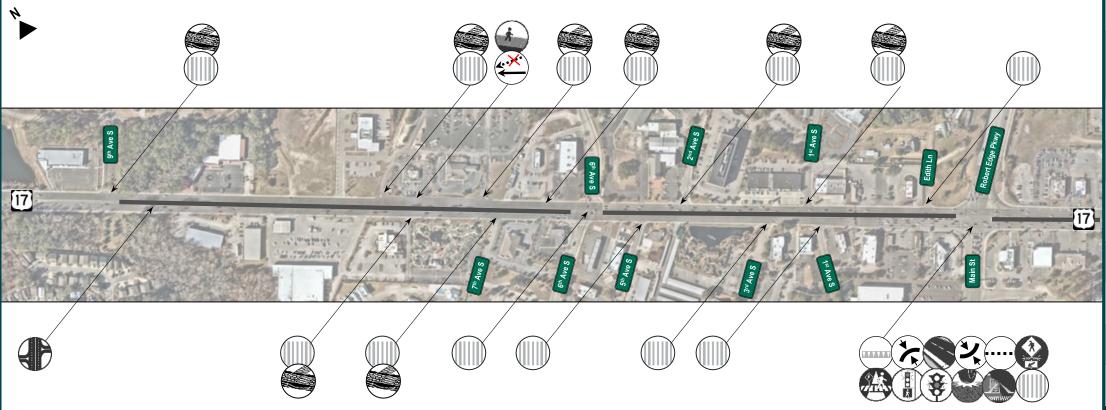
Type: Corridor | Project ID: C-2 Location: US 17 between Robert Edge Parkway and 9th Avenue South (33.824952°, -78.684503°)





CRASH HISTORY LEGEND							NUMB	ER OF CRASHES (20	19 – 2023)			
MANNER OF COLLISION SEVERITY		PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total		
Angle	A	Fatal (K)		Pedestrian	ķ		()	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i cucoman	λ).	Vehicle	2	5	31	56	463	557
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	्र	Bike/Ped	0	1	9	0	0	10
Sideswipe		Possible Injury (C)										400
Head On	*	Property Damage Only (O)				Day	1	4	24	43	396	468
Other/Unknown	•	Troporty Burnago Orny (O)				Night	1	2	16	13	67	99

PROPOSED COUNTERMEASURES DIAGRAM



CORRIDOR CHARACTERISTICS

Corridor Length	0.77 Miles
Functional Classification	Principal Arterial
Cross-Section	6-Lane Divided (w/ TWLTL)
Posted Speed Limit	40 mph
Estimated 2023 AADT	44,100 vehicles/day
Jurisdiction	Horry County City of North Myrtle Beach
Schools Within ½ Mile?	No
Within Justice40 (J40) Area?	No

ĺ	Within	Justice40 (J40) Area? No						
	PROPOSED COUNTERMEASURES\$7							
Contract Contract		Countermeasure	CRF ¹	Cost ²	B/C ³			
		Provide access management through installation of a concrete raised median with left-turn and U-turns.	55%	\$250,000	26.2			
		Install ADA compliant pedestrian ramps and/or detectable warning surfaces throughout corridor as needed.	N/A	\$38,000	N/A			
	€ •×	Remove existing auxiliary lane along western side of US 17 currently serving North Strand Market Place and install sidewalk.	13.0%	\$150,000	2.68			
		Install ladder-style crosswalks at major sidestreet locations and at the intersection with 6^{th} Avenue South, and at the intersection with Robert Edge Parkway.	40.0%	\$13,500	>100			
	(11111)	Install triangular yield markings at all channelized right turns at Robert Edge Parkway.	20.0%	\$2,000	>100			
	2	Tighten radius of channelization on SB (US 17) right turn approach to Robert Edge Parkway with pavement markings.	44.2%	\$5,500	>100			
		Install solid white lane marking from end of SB (US 17) right turn channelization at Robert Edge Parkway and install flexible delineators.	45.0%	\$6,500	65.8			
	*	Tighten channelization on NB (US 17) right turn approach to Robert Edge Parkway with pavement markings. Bring in outer line and push out into the Main St lane to establish a standard lane width. This will tie into the existing bike lane further to the east along Main St.	44.2%	\$3,500	>100			
		Install dashed edge lines along US 17 and exits of channelized right turns at Robert Edge Parkway.	3.0%	\$1,000	10.1			
		Install RRFB on the SB (US 17) right turn approach to Robert Edge Parkway.	69.0%	\$40,000	48.4			
		Install channelizing concrete medians on the NB (US 17) approach and WB (Main St) approach to Robert Edge Parkway to replace painted areas. Provide pedestrian refuge and ramps within the concrete medians.	13.0%	\$25,000	26.6			
		Install new pedestrian equipment in the channelizing islands at Robert Edge Parkway.	7.0%	\$16,000	12.3			
	*	Install additional signal heads to ensure one signal head per lane at Robert Edge Parkway.	9.85%	\$4,000	32.7			
		Install a high friction surface treatment (HFST) along EB (Robert Edge Pkwy) approach heading toward intersection with US 17.	48.5%	\$150,000	10.4			
		Install intersection lighting on each corner at the Robert Edge Parkway intersection.	28.0%	\$20,000	>100			





Existing





Corridor 2 - US 17 from Robert Edge Pkwy (SC 31) /Main St to 9th Ave S - (0.77 mi)





NC 211 from Palmetto Creek Way to Fisher King Dr - (0.80 mi)

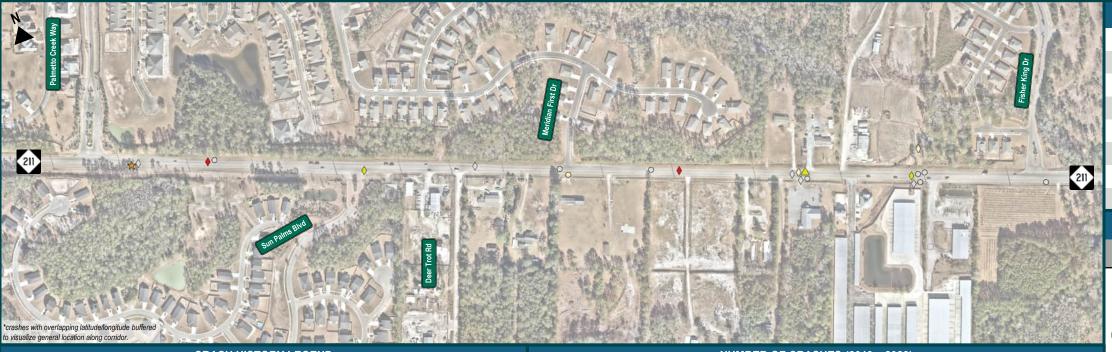
Project Sheet
Type: Corridor | Project ID: C-3
Location: NC 211 between Palmetto Creek Way and Fisher King Drive (33.992451°, -78.212155°)



CRF¹

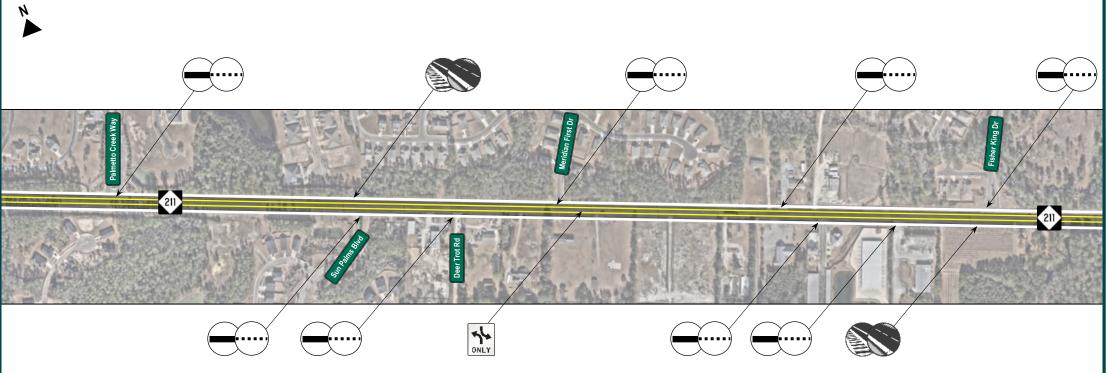
Cost²

B/C³



CRASH HISTORY LEGEND								NUMB	ER OF CRASHES (20	19 – 2023)		
MANNER OF COLLISION		SEVERITY		PEDESTRIAN	/BIKE	Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total
Angle	•	Fatal (K)		Pedestrian	ķ		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i edestilari	Y.	Vehicle	2	1	3	3	14	23
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	0	0	0	0	0	0
Sideswipe		Possible Injury (C)										
Head On	*	Property Damage Only (O)				Day	1	1	3	3	9	17
Other/Unknown	•					Night	1	0	0	0	5	6

PROPOSED COUNTERMEASURES DIAGRAM



CORRIDOR CHARACTERISTICS

Corridor Length	0.80 Miles
Functional Classification	Minor Arterial
Cross-Section	2-Lane Undivided
Posted Speed Limit	55 mph
Estimated 2023 AADT	16,000 vehicles/day
Jurisdiction	Brunswick County
Schools Within ½ Mile?	No
Within Justice40 (J40) Area?	Yes

PROPOSED COUNTERMEASURES

Countermeasure

Provide longitudinal rumble strips along the outside edge of pavement.	51.0%	\$4,000	>100
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Install stop bars at all driveways and intersections along the			
corridor.	8.3%	\$1,500	>100

Install dashed edge lines at all driveways and intersections along the corridor. \$2,000	>100
--	------

	ONLY	Provide a continuous two-way-left-turn lane (three-lane section) between Palmetto Creek Way and Fisher King Drive.
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Existing





Corridor 3 - NC 211 from Palmetto Creek Way to Fisher King Dr - (0.80 mi)



SS AIA Corridor 4

SC 90 from S-1173 (Bombing Range Rd) to S- 638 (Star Bluff Rd) – (0.92 mi)

Type: Corridor | Project ID: C-4
Location: SC 90 between S-1173/Bombing Range Road and S-638/Star Bluff Road (33.857007°, -78.755894°)





CRASH HISTORY LEGEND						NUMBER OF CRASHES (2019 – 2023)						
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total
Angle	A	Fatal (K)		Pedestrian	i		` '	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i cacsulari	7)	Vehicle	3	3	7	9	46	68
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	1	0	0	0	0	1
Sideswipe		Possible Injury (C)										
Head On	*	Property Damage Only (O)				Day	1	1	5	7	33	47
Other/Unknown	•	riopolity Balliago Olliy (O)				Night	3	2	2	2	13	22

PROPOSED COUNTERMEASURES DIAGRAM

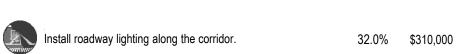


CORRIDOR CHARACTERISTICS

Corridor Length	0.92 Miles
Functional Classification	Minor Arterial
Cross-Section	2-Lane Undivided
Posted Speed Limit	45 mph
Estimated 2023 AADT	14,000 vehicles/day
Jurisdiction	Horry County
Schools Within ½ Mile?	No
Within Justice40 (J40) Area?	Yes

PROPOSED COUNTERMEASURES

	Countermeasure	CRF ¹	Cost ²	B/C ³
ONLY	Provide a continuous two-way-left-turn lane (three-lane section) with 6-foot paved shoulder between west of S-1173/Bombing Range Road and east of S-638/Long Bay Road/Star Bluff Road.	51.2%	\$2,500,000	27.9
4	Realign the Strawberry Road northbound approach to SC 90 to more appropriately align with the opposite sidestreet (Pint Circle) and realign the Long Bay Road northbound approach to SC 90 to more appropriately align with the opposite sidestreet (Star Bluff Road)	26.0%	\$875,000	24.5



Install left-turn lanes at all approaches (both mainline and sidestreet) at the intersection of SC 90 & Long Bay Road/ Star Bluff Road.	47.0%	\$920,000	21.
 Star Diuli Noau.			

Install a signal at the intersection of SC 90 & Long Bay Road/ Star Bluff Road.	44.0%	\$200,000	90.8

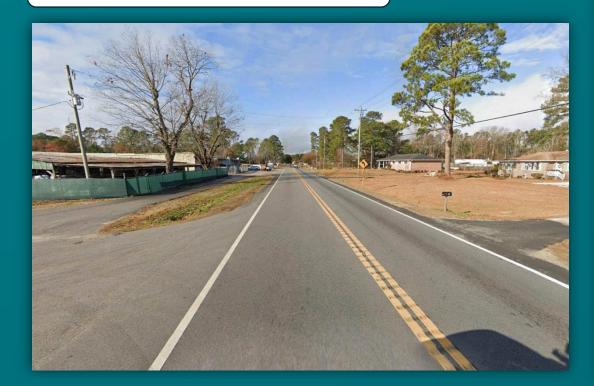
Manage access at the existing grocery store at the northeast corner of the Strawberry Road intersection.	18.0%	\$10,000	8.75
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Install sidewalk along north side of SC 90 in the vicinity of Strawberry Road.	40.2%	\$23,000	>100
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Existing





Corridor 4 - SC 90 from S-1173 (Bombing Range Rd) to S- 638 (Star Bluff Rd) – (0.92 mi)





US 17 Bus from Murdock Rd to S-71 (Woodland Dr) – (0.31 mi)

Type: Corridor | Project ID: C-5
Location: US 17 Business between Murdock Road and S-71/Woodland Drive (33.594676°, -79.000755°)



CRF¹

Cost²

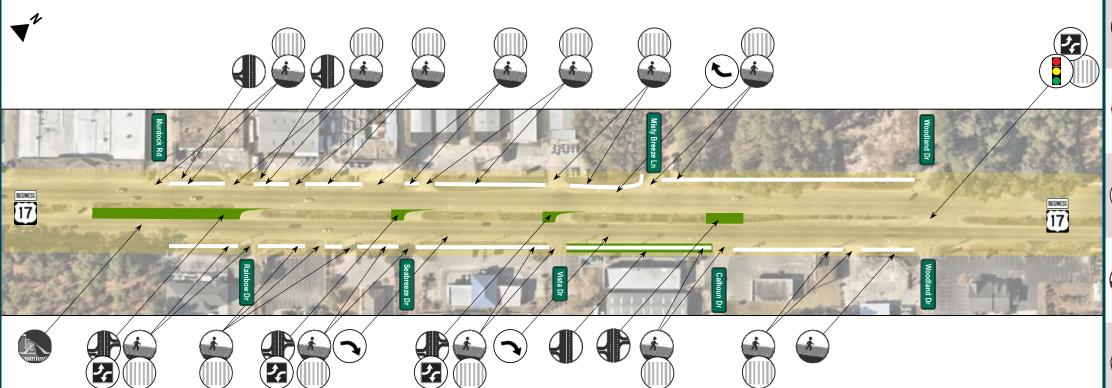
B/C³

26.5

92.1



CRASH HISTORY LEGEND					NUMBER OF CRASHES (2019 – 2023)							
MANNER OF COLLISION		SEVERITY	P	PEDESTRIAN	/BIKE	Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total
Angle	A	Fatal (K)		Pedestrian).		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i euestiiaii	Y	Vehicle	1	5	8	15	41	70
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	1	0	0	0	0	1
Sideswipe		Possible Injury (C)									^-	
Head On	*	Property Damage Only (O)				Day	0	2	5	10	35	52
Other/Unknown	•	Troperty barriage Only (O)				Night	2	3	3	5	6	19



CORRIDOR CHARACTERISTICS

Corridor Length	0.31 Miles
Functional Classification	Principal Arterial
Cross-Section	4-Lane Divided (Grassy Median)
Posted Speed Limit	45 mph
Estimated 2023 AADT	32,300 vehicles/day
Jurisdiction	Horry County
Schools Within ½ Mile?	Yes
Within Justice40 (J40) Area?	No

PROPOSED COUNTERMEASURES

Provide positive offset for left-turn lanes along US 17 Business	35.6%	\$650,000	3.45

Countermeasure

Formalize the right-turn lanes along US 17 Business with bulbouts to eliminate the continuous right-turn lane throughout the 59.0% \$30,000 corridor.	>100
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annun.	Install roadway lighting along the corridor and at the intersection of US 17 Business & S-71/Woodland Drive.	32.0%	\$340,000	85.8
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		Install a signal at the intersection of US 17 Business and S-71/Woodland Drive if warranted with exclusive left-turn lanes along the S-71/Woodland Drive approaches and high visibility ladder style crosswalks.	44.0%	\$700,00
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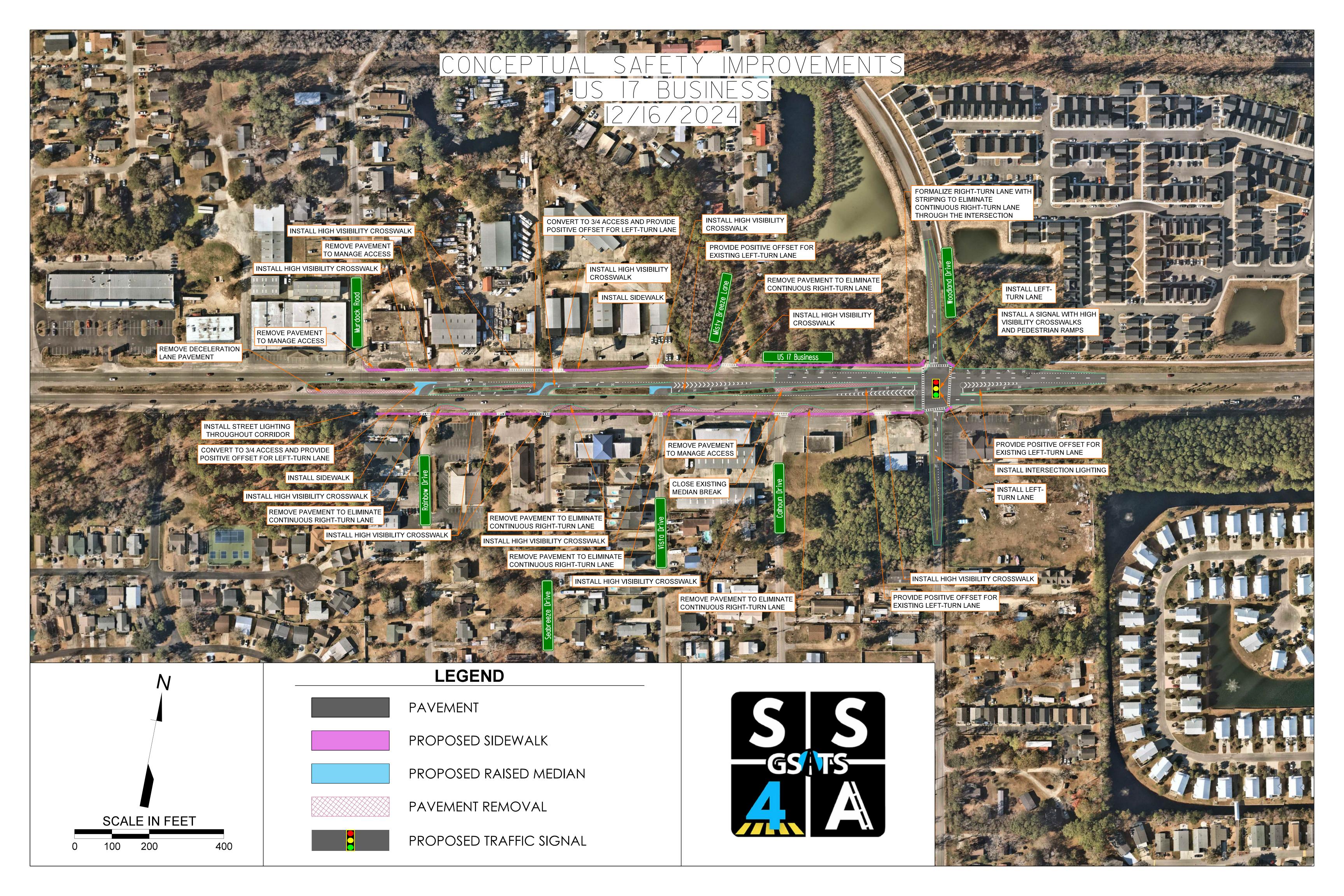
Install sidewalk along both sides of US 17 Business to create continuous sidewalk connection along the corridor.	40.2%	\$190,000	84.2
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	Install high visibility ladder style crosswalks at all sidestreets along the corridor and at proposed signal.	19.0%	\$12,000	>100
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_	Manage access along the south side of US 17 Business between		
	Vista Drive & Calhoun Drive, and along the north side of US 17 Business, closing duplicate driveways in close proximity near	18.0%	\$20,000

	Vista Drive & Calhoun Drive, and along the north side of US 17 Business, closing duplicate driveways in close proximity near Murdock Road.	18.0%	\$20,000
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Close median opening at Calhoun Drive and limit access at Vista Drive, Seabreeze Drive, Rainbow Drive to left turns in permitted, but left-turns out restricted.	45
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Existing





Corridor 5 - US 17 Bus from Murdock Rd to S-71 (Woodland Dr) - (0.31 mi)





US 17 from Southgate Ct to S-867 (Old Plantation Dr) – (0.61 mi)

Location: US 17 between Southgate Court and S-867/Old Plantation Drive (33.420145°, -79.176264°)





CRASH HISTORY LEGEND					NUMBER OF CRASHES (2019 – 2023)							
MANNER OF COLLISION		SEVERITY PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total		
Angle	A	Fatal (K)		Pedestrian	Å		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i edesilian	Y	Vehicle	1	1	3	10	34	49
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	0	1	0	0	0	1
Sideswipe		Possible Injury (C)				D						0.4
Head On	*	Property Damage Only (O)				Day	U	1	3	1	23	34
Other/Unknown	•					Night	1	1	0	3	11	16

PROPOSED COUNTERMEASURE	S DIAGRAM
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	(3	0	R	R	ID	0	R	CH	A	RA	C1	TER	IST	\mathbf{I}	X	
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Corridor Length	0.61 Miles
Functional Classification	Principal Arterial
Cross-Section	4-Lane Divided
Posted Speed Limit	45 mph/60 mph
Estimated 2023 AADT	29,600 vehicles/day
Jurisdiction	Georgetown County
Schools Within ½ Mile?	Yes
Within Justice40 (J40) Area?	No

PROPOSED COUNTERMEASURES

Countermeasure	CRF ¹	Cost ²	B/C ³



Restrict access along the corridor such that left-turns from US 17 onto sidestreets/driveways are permitted (with positive left-turn offset provided) but egress left-turns from the sidestreets/driveways are restricted, with the provision of U-turn bulb outs north and south of the corridor to accommodate replacement of direct left-turns with a right-turn + u-turning movement.

55.0% \$1,100,000 22.7

Provide new northbound left-turn along US 17 at what is currently a private development ("Hog Heaven"). \$230,000

Close median opening to what is currently access to "Providence Missionary Baptist Church". 45.0% \$10,000





Existing





Corridor 6 - US 17 from Southgate Ct to S-867 (Old Plantation Dr) – (0.61 mi)



SS AA Corridor 7

SC 707 (Socastee Blvd) from Manor Cir to Weeks Dr - (0.76 mi) Location: SC 707/Socastee Boulevard between Manor Circle and Weeks Drive (33.420145°, -79.176264°)



CRF¹

Cost²

B/C³



CRASH HISTORY LEGEND					NUMBER OF CRASHES (2019 – 2023)							
MANNER OF COLLISION SEVERITY		PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total		
Angle	•	Fatal (K)		Pedestrian).		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i cacoman	λ).	Vehicle	0	4	18	41	156	219
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)		Bike	્ર	Bike/Ped	2	1	0	1	0	4
Sideswipe		Possible Injury (C)										
Head On	*	Property Damage Only (O)				Day	0	1	10	29	112	152
Other/Unknown	•	1 Topolity Damage Only (O)				Night	2	4	8	13	44	71

PROPOSED COUNTERMEASURES DIAGRAM



CORRIDOR CHARACTERISTICS

Corridor Length	0.61 Miles
Functional Classification	Minor Arterial
Cross-Section	4-Lane Divided (TWLTL)
Posted Speed Limit	40 mph
Estimated 2023 AADT	28,900 vehicles/day
Jurisdiction	Horry County
Schools Within ½ Mile?	Yes
Within Justice40 (J40) Area?	No

PROPOSED COUNTERMEASURES

	Provide access management through installation of a concrete			
	raised median along the entire length of the corridor, with median			
•	breaks (for left-turns permitted from the mainline only, but left-turns from the sidestreets restricted) at Manor Circle, Brandymill Boulevard, Foxpath Loop, Folly Road, Figure 8 Road, and Weeks	55.0%	\$570,000	14.9
	Drive			



Provide a mid-block pedestrian crossing with a pedestrian refuge island within the proposed concrete median between Manor Circle and Brandymill Boulevard and between Folly Road and Figure 8 Road.

46.0% \$15,000

(250)
4.0

Install a pedestrian hybrid beacon at the proposed mid-block pedestrian crossing(s).

Countermeasure

56.8% \$450,000 **>100**

Install a high visibility, ladder style crosswalk (for crossing currently without it) at the intersection of SC 707 & Luttie Road.

19.0% \$4,000



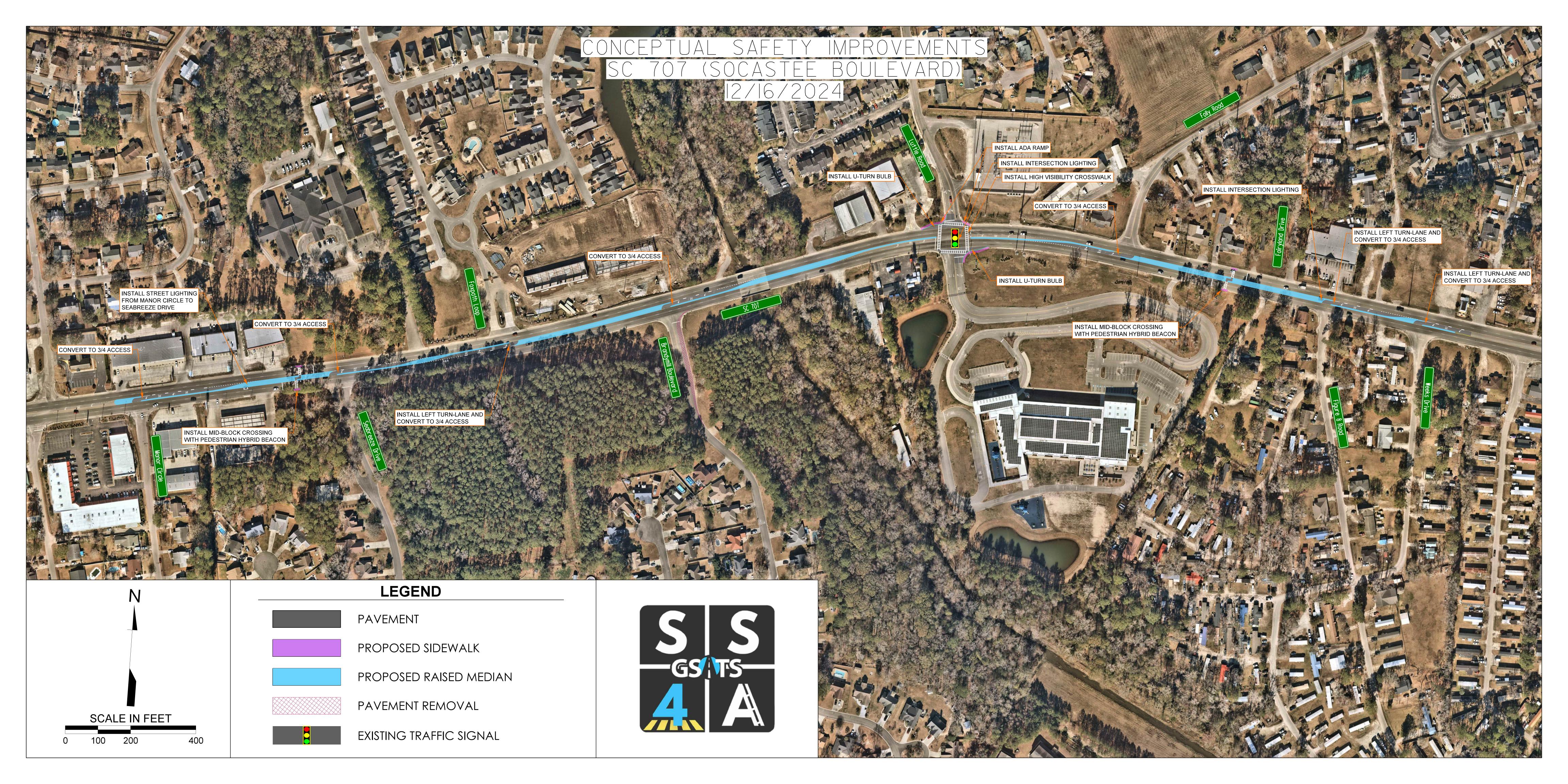
Install additional pedestrian signal heads (for crossing currently without them) at the intersection of SC 707 & Luttie Road.

Install roadway lighting in the vicinity of Manor Circle, Brandymill Boulevard, Luttie Road, and Figure 8 Road.

32.0% \$186,000

% \$186,000

\$6,000





Corridor 7 - SC 707 (Socastee Blvd) from Manor Cir to Weeks Dr - (0.76 mi)

Existing





Corridor 8

US 501 (Church St) from S-165 (Cultra Rd) to S-1344 (Medlan Pkwy) - (0.90 mi)

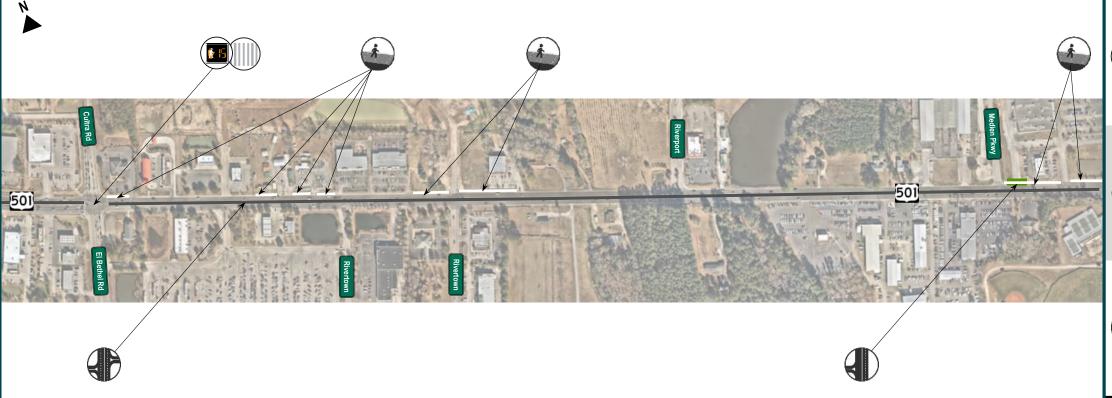
Type: Corridor | Project ID: C-8
Location: US 501/Church Street between S-165/Cultra Road and S-1344/Median Parkway (33.857924°, -79.085723°)





CRASH HISTORY LEGEND					NUMBER OF CRASHES (2019 – 2023)							
MANNER OF COLLISION	OF COLLISION SEVERITY PE		PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total	
Angle	•	Fatal (K)		Pedestrian	À		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i edesiliali	Y.	Vehicle	0	7	18	66	385	476
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	0	1	0	0	0	1
Sideswipe		Possible Injury (C)				D					400	
Head On	*	Property Damage Only (O)				Day	U	0	14	56	324	400
Other/Unknown	•	. Topoli, Bullingo Olly (O)				Night	0	2	4	10	61	77

PROPOSED COUNTERMEASURES DIAGRAM

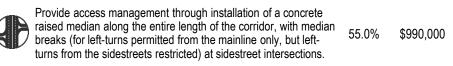


CORRIDOR CHARACTERISTICS

Corridor Length	0.90 Miles
Functional Classification	Principal Arterial
Cross-Section	4-Lane Divided (w/ TWLTL)
Posted Speed Limit	45 mph
Estimated 2023 AADT	38,600 vehicles/day
Jurisdiction	Horry County City of Conway
Schools Within 1/2 Mile?	Yes
Within Justice40 (J40) Area?	Yes

PROPOSED COUNTERMEASURES

Co	ountermeasure	CRF ¹	Cost ²	B/C ³



	Install high visibility ladder style crosswalks at the US 501 &				
()	Install high visibility ladder style crosswalks at the US 501 & Cultra Road/El Bethel Road intersection and at sidestreets along US 501.	19.0%	\$120,000	40.	0
	US 501.				

Close access point to commercial development directly east of Medlan Parkway. 45.0% \$8,		access point to commercial development directly east of n Parkway.	45.0%	\$8,00
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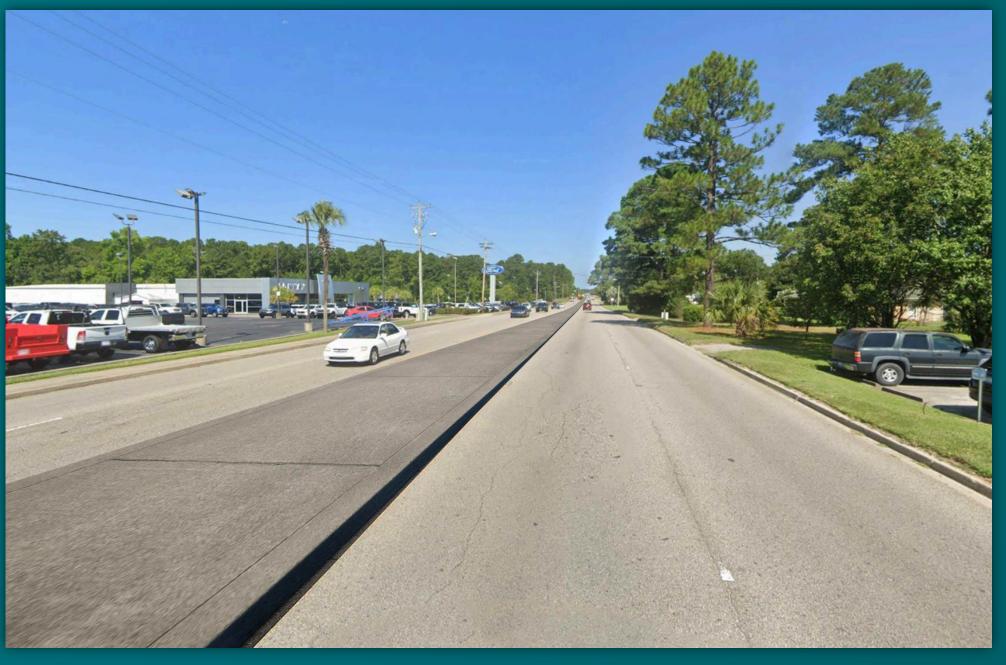


Existing





Corridor 8 - US 501 (Church St) from S-165 (Cultra Rd) to S-1344 (Medlan Pkwy) - (0.90 mi)

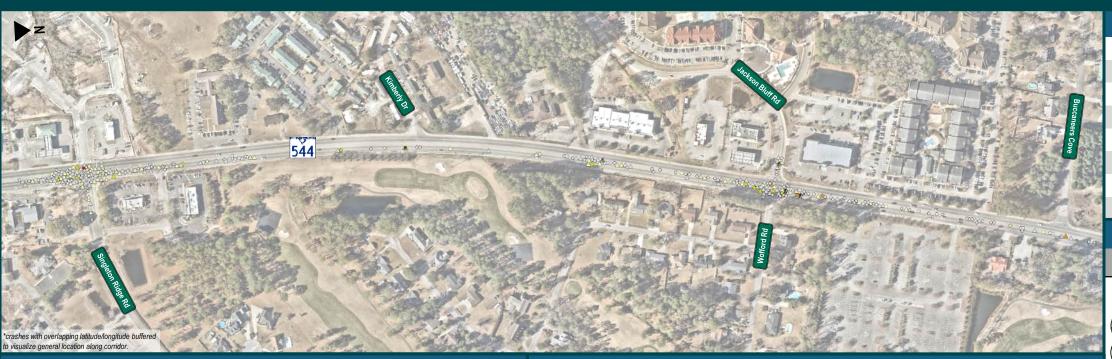


Corridor 9

SC 544 from (S-1121) Singleton Ridge Rd to Buccaneers
Cove - (0.75 mi)

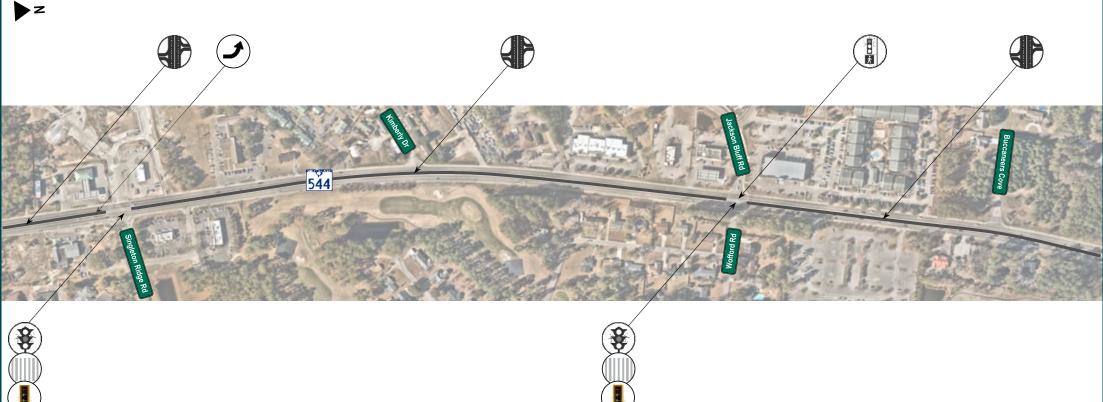
Location: SC 544 between S-1121/Singleton Ridge Road and Buccaneers Cove (33.781897°, -79.021300°)





CRASH HISTORY LEGEND						NUMBER OF CRASHES (2019 – 2023)						
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total
Angle	•	Fatal (K)		Pedestrian	À		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i edesilian	Y,	Vehicle	1	4	12	74	242	333
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	0	1	1	3	0	5
Sideswipe		Possible Injury (C)									405	050
Head On	*	Property Damage Only (O)				Day	Ü	4	11	56	185	256
Other/Unknown	•	1 Topolity Bulliage Offity (0)				Night	1	1	2	21	57	82

PROPOSED COUNTERMEASURES DIAGRAM



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Corridor Length	0.75 Miles
Functional Classification	Principal Arterial
Cross-Section	4-Lane Divided (w/ TWLTL)
Posted Speed Limit	45 mph
Estimated 2023 AADT	37,800 vehicles/day
Jurisdiction	Horry County
Schools Within ½ Mile?	Yes
Within Justice40 (J40) Area?	No

PROPOSED COUNTERMEASURES

Countermeasure	CRF ¹	Cost ²	B/C ³



Provide access management through installation of a concrete raised median along the entire length of the corridor, with median breaks (for left-turns permitted from the mainline only, but left-turns from the sidestreets restricted) at sidestreet intersections and new inter-parcel connections, while formalizing the left-turn lane at the intersection with Singleton Ridge Road. 55.0% \$665,000

Install high visibility ladder style crosswalks at the signalized intersections of SC 544 & Jackson Bluff Road/Wofford Road and 19.0% SC 544 & Singleton Ridge Road. \$8,000

Install leading pedestrian intervals at the signalized intersection of SC 544 & Jackson Bluff Road/Wofford Road.

\$8,000

31.6

31.6

Evaluate yellow and red clearance intervals at both SC 544 & Jackson Bluff Road/Wofford Road and SC 544 & Singleton Ridge 34.0% Road intersections and modify as necessary.

\$3,000

Provide permitted + protected phasing with four-section flashing yellow signal heads for both mainline left-turning movements along SC 544 at the intersection with Jackson Bluff Road/Wofford Road and at the intersection with Singleton Ridge Road.





Existing





Corridor 9 - SC 544 from (S-1121) Singleton Ridge Rd to Buccaneers Cove - (0.75 mi)





US 701 from Boundary Street to Columbia Dr (0.78 mi)

Project Sheet
Type: Corridor | Project ID: C-10
Location: US 701 between Boundary Street and Columbia Drive (33.865773°, -79.053803°)



CRF¹

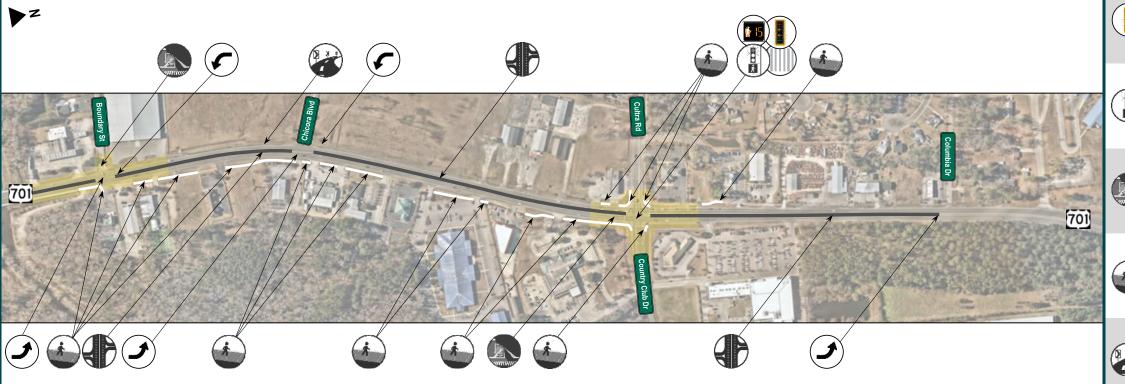
Cost²

B/C³



CRASH HISTORY LEGEND					NUMBER OF CRASHES (2019 – 2023)							
MANNER OF COLLISION		SEVERITY		PEDESTRIAN/BIKE		Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total
Angle	A	Fatal (K)		Pedestrian	Å		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)		i edesiliali	Y	Vehicle	0	4	19	41	178	242
No Collision w/ Motor Vehicle	♦	Non-Incapacitating Injury (B)		Bike	્	Bike/Ped	1	3	0	0	0	4
Sideswipe		Possible Injury (C)			0 0		^					
Head On	*	Property Damage Only (O)				Day	U	4	18	32	147	201
Other/Unknown	•	rioporty Burnago Only (O)				Night	1	3	1	9	31	45

PROPOSED COUNTERMEASURES DIAGRAM



CORRIDOR CHARACTERISTICS

Corridor Length	0.78 Miles
Functional Classification	Minor Arterial
Cross-Section	Four-Lane Undivided
Posted Speed Limit	45 mph / 50 mph
Estimated 2023 AADT	23,000 vehicles/day
Jurisdiction	Horry County City of Conway
Schools Within 1/2 Mile?	Yes
Within Justice40 (J40) Area?	Yes

PROPOSED COUNTERMEASURES

J	Install a raised median between Boundary Street and Columbia Drive (with width for U-turns in both directions at the Country Club Drive/Cultra Drive signalized intersection), with northbound and southbound left-turn lanes along US 701 at Boundary Street, Chicora Boulevard, and Columbia Drive.	55.0%	\$2,100,000	9.01
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Countermeasure

Install high visibility crosswalks at the intersection of US 701 & Country Club Drive/Cultra Road.	19.0%	\$4,000	>100

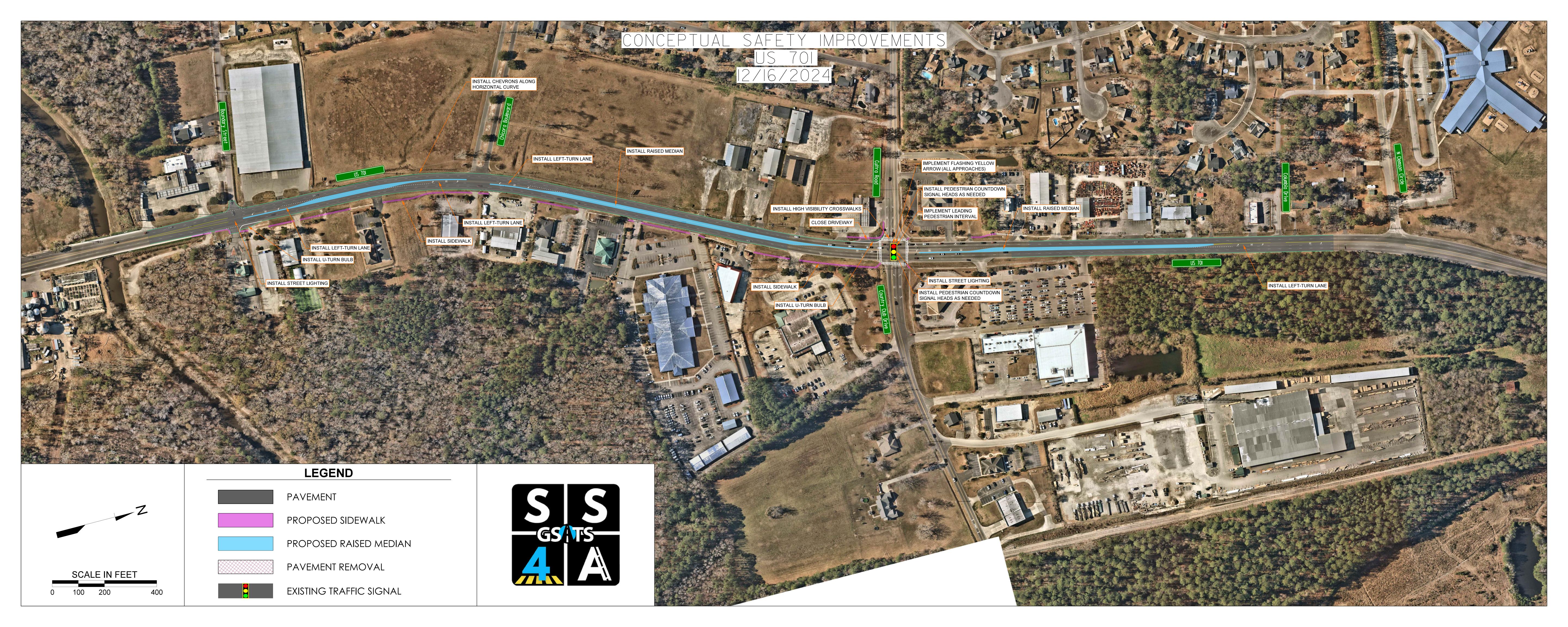
Install pedestrian countdown signal heads for missing crossing movements at the intersection of US 701 & Country Club Drive/Cultra Road.	8.8%	\$16,000	25.5
	Install pedestrian countdown signal heads for missing crossing movements at the intersection of US 701 & Country Club Drive/Cultra Road.	Install pedestrian countdown signal heads for missing crossing movements at the intersection of US 701 & Country Club 8.8% Drive/Cultra Road.	Install pedestrian countdown signal heads for missing crossing movements at the intersection of US 701 & Country Club 8.8% \$16,000 Drive/Cultra Road.

Replace five-section left-turn signal heads with four-section			
Replace five-section left-turn signal heads with four-section flashing yellow arrow signal heads at the intersection with Cultra Road/Country Club Drive	6.6%	\$16,000	39.9
Road/Country Club Drive.			

Install leading pedestrian intervals at the intersection of US 701 8 Country Club Drive/Cultra Road.	19.0%	\$4,000	>100
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A STATE OF THE STA	Install lighting at and in the vicinity of the intersections of US 701 & Country Club Drive/Cultra Road and US 701 & Boundary Street.			
	& Country Club Drive/Cultra Road and US 701 & Boundary	32.0%	\$160,000	87.4
CANAL PROPERTY.	Street.			

Install sidewalk at existing gaps in sidewalk to complete a continuous section of sidewalk in the vicinity of Country Club Drive/Cultra Road and along east side of US 701 near potential pedestrian traffic generators.	40.2%	\$980,000	18.2
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Existing





Corridor 10 - US 701 from Boundary Street to Columbia Dr (0.78 mi)





SC 65 N. Ocean Blvd from Shorehaven Dr to SC 9 (0.36 miles)

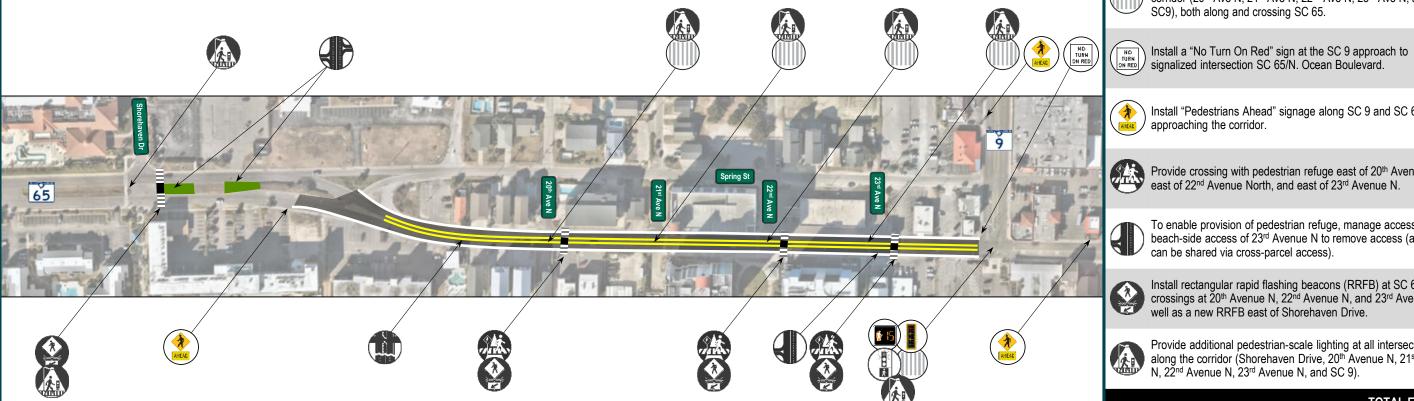
Type: Corridor | Project ID: C-11 Location: SC 65/N. Ocean Boulevard between Shorehaven Drive & SC 9 (33.827154°, --78.646062°)





		CRASH HISTORY LEGEND					NUME	ER OF CRASHES (20	19 – 2023)		
MANNER OF COLLISION		SEVERITY	PEDESTRIAN	/BIKE	Unit	Fatal (K)	Incapacitating	Non-Incapacitating	Possible	Property Damage	Total
Angle	A	Fatal (K)	Pedestrian	Å		. ,	Injury (A)	Injury (B)	Injury (C)	Only (O)	
Rear End	•	Incapacitating Injury (A)	i edestilali	Y	Vehicle	0	1	4	8	47	60
No Collision w/ Motor Vehicle	•	Non-Incapacitating Injury (B)	Bike	્	Bike/Ped	0	2	5	1	0	8
Sideswipe		Possible Injury (C)		00							
Head On	*	Property Damage Only (O)			Day	0	2	6	6	34	48
Other/Unknown	•				Night	0	1	3	3	13	20

PROPOSED COUNTERMEASURES DIAGRAM



CORRIDOR CHARACTERISTICS

Corridor Length	0.36 Miles
Functional Classification	Minor Arterial
Cross-Section	Four-Lane Undivided
Posted Speed Limit	25 mph
Estimated 2023 AADT	14,700 vehicles/day
Jurisdiction	Horry County City of North Myrtle Beach
Schools Within ½ Mile?	Yes
Within Justice40 (J40) Area?	No

	PROPOSED COUNTERMEASURES			
	Countermeasure	CRF ¹	Cost ²	B/C ³
	Reconfigure SC 65/N. Ocean Boulevard between Shorehaven Drive & SC 9 from its existing four-lane undivided cross-section to a three-lane section with two general purpose lanes and a center turn-lane, closing the median openings east of Shorehaven Drive.	47.0%	\$365,000	9.0
	Replace five-section left-turn signal head with four-section flashing yellow arrow signal head at the eastbound approach along SC 65/N. Ocean Boulevard at the SC 9 signalized intersection.	6.6%	\$6,000	8.1
	Install leading pedestrian intervals at the intersection of SC 65/N. Ocean Boulevard & SC 9.	19.0%	\$4,000	99.9
15	Install additional pedestrian signal heads (for crossing currently without them) at intersection of SC 65 & SC 9.	8.8%	\$2,000	92.6

Install high visibility crosswalks at all intersections along the corridor (20th Ave N, 21st Ave N, 22nd Ave N, 23rd Ave N, and SC9), both along and crossing SC 65.	40.0%	\$12,000	>100

AHEAD	Install "Pedestrians Ahead" signage along SC 9 and SC 65 approaching the corridor.	25.0%	\$3,000	>10

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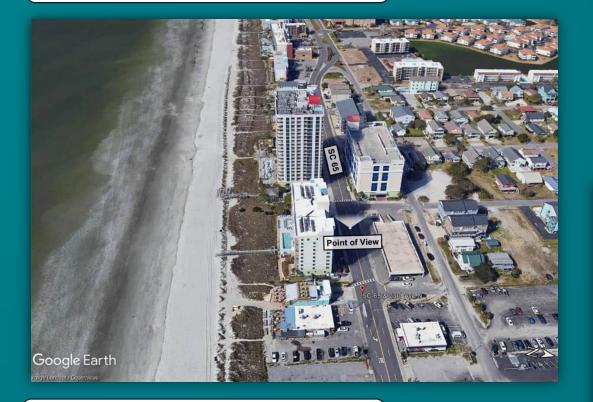
250	Cust of 22 / Worldo World, and Cust of 25 / Worldo W.			
	To enable provision of pedestrian refuge, manage access at the beach-side access of 23 rd Avenue N to remove access (access can be shared via cross-parcel access).	46.0%	\$4,000	>100

6	Inst cros well	tall rectangular rapid flashing beacons (RRFB) at SC 65 ssings at 20 th Avenue N, 22 nd Avenue N, and 23 rd Avenue N as I as a new RRFB east of Shorehaven Drive.	47.4%	\$88,000	43.8
	cros	sall rectangular rapid flashing beacons (RRFB) at SC 65 ssings at 20th Avenue N, 22nd Avenue N, and 23rd Avenue N as I as a new RRFB east of Shorehaven Drive.	47.4%	\$88,000	43.8

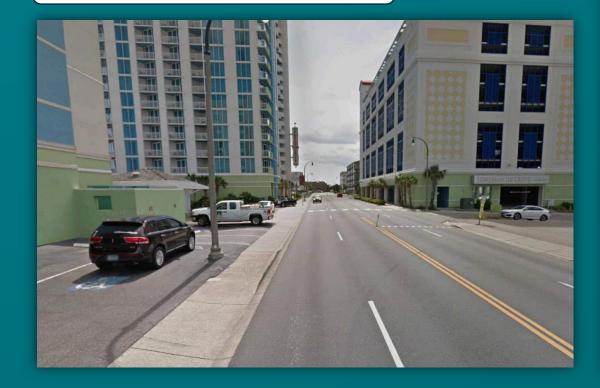
7	Provide additional pedestrian-scale lighting at all intersections							
	Provide additional pedestrian-scale lighting at all intersections along the corridor (Shorehaven Drive, 20th Avenue N, 21st Avenue N, 22nd Avenue N, 23nd Avenue N, and SC 9).	28.0%	\$16,000	24.6				

57.0% \$1,000





Existing





Corridor 11 - SC 65 N. Ocean Blvd from Shorehaven Dr to SC 9 (0.36 miles)

