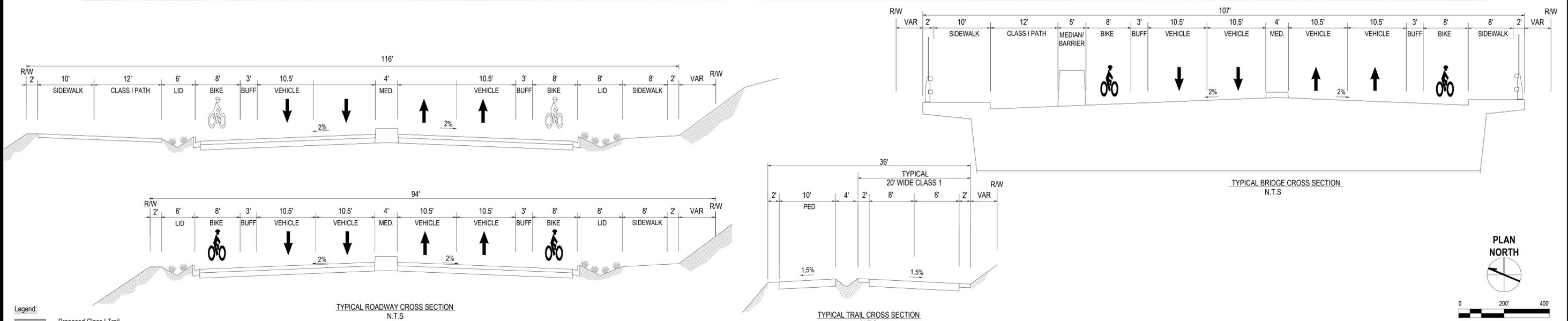
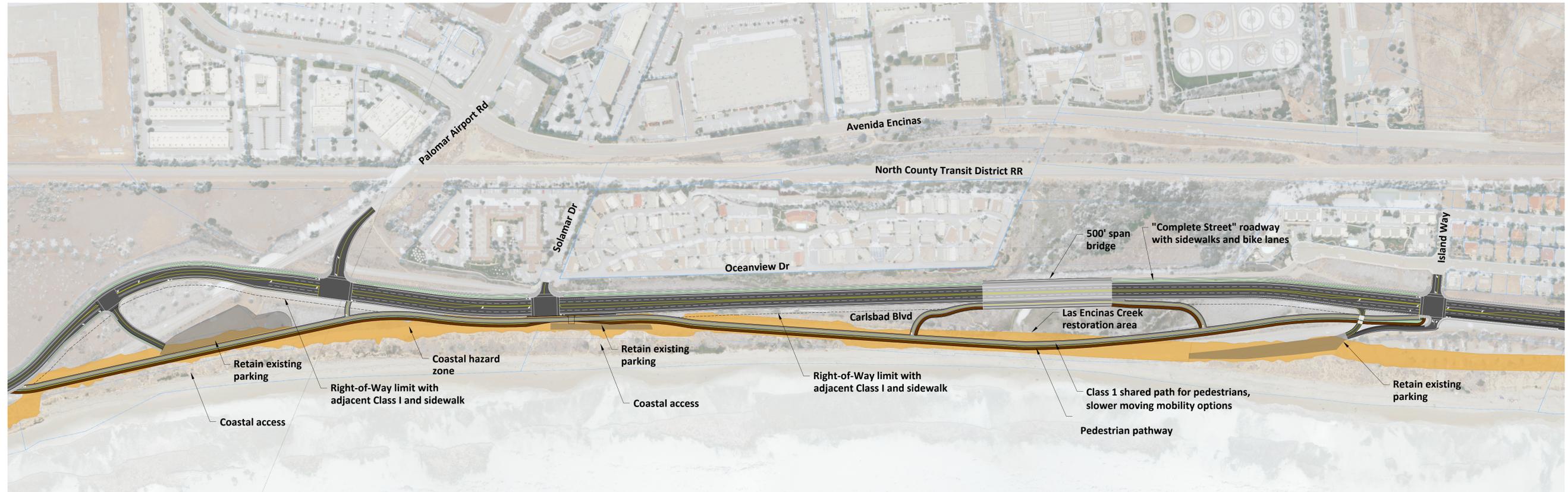


South Carlsbad Boulevard – Manzano Drive to Island Way options

	Adaptable to sea level rise by 2100	Coastal street features	Pedestrian crossing safety	10' pedestrian path + sidewalks	8' bike lanes + 20' multiuse path	Slows down traffic	Reduces car noise	Improves overall safety	Intersection at Solamar Drive
									
Current roadway	No	No	Limited	No	No	No	Limited	Limited	Traffic signal
Option 1 Four lanes with traffic signals	Satisfactory	Satisfactory	Safe	Yes	Yes	Satisfactory	Satisfactory	Satisfactory	Traffic signal
Option 2 Two lanes with roundabouts	Better	Best	Safest	Yes	Yes	Best	Yes	Best	Roundabout
Option 3 Two lanes with hybrid intersection control	Best	Better	Safer	Yes	Yes	Better	Yes	Better	Enhanced pedestrian crossing, right turn only exit

Option 1: 4-lane road with traffic signals



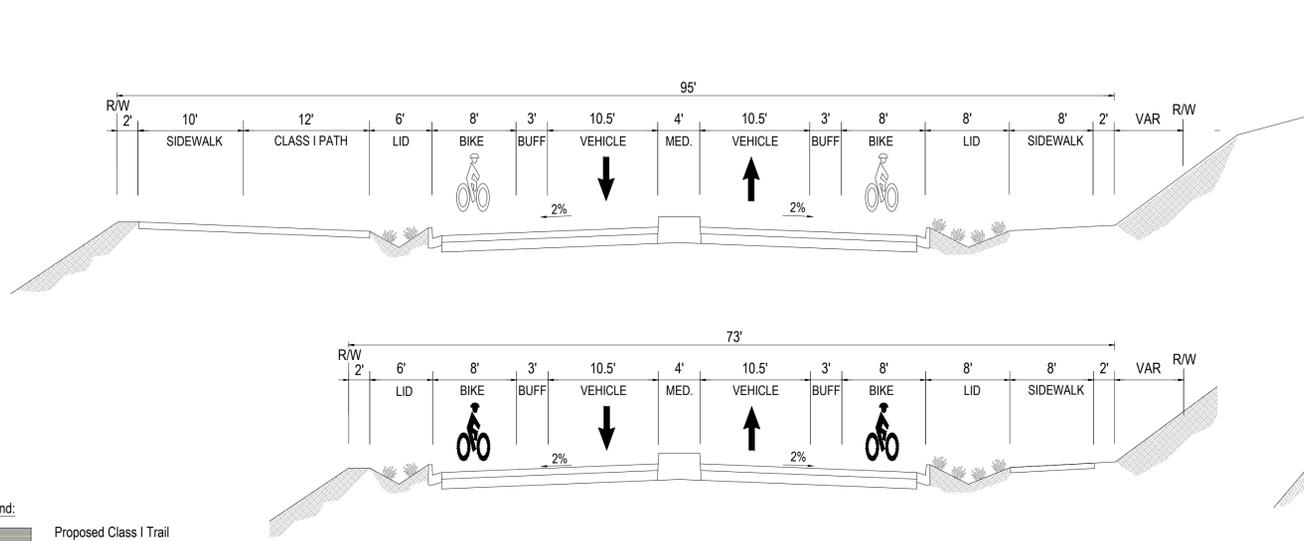
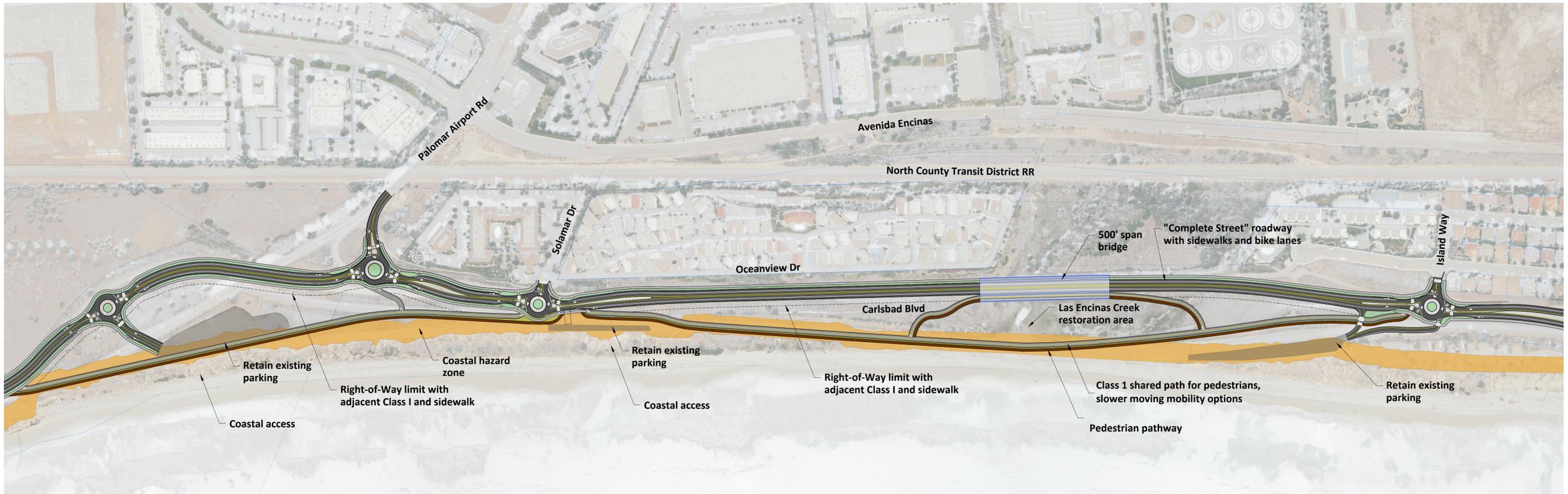
- Legend:**
- Proposed Class I Trail
 - Proposed Pedestrian Pathway
 - Proposed Roadway
 - Proposed Bridge
 - Coastal Hazard Zone
 - Landscape Areas
 - Property Line

Note:
 1. GHD conceptual design developed from City of Carlsbad provided topography. Roadway design components will need to be modified in future phases of the project to coincide with final surveyed topographic and parcel line information.

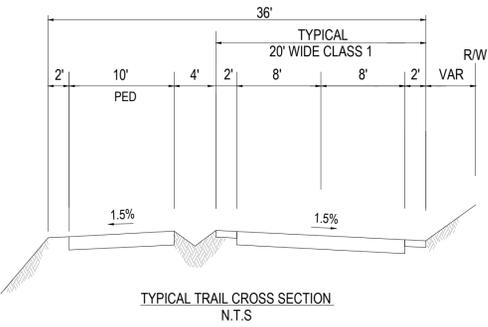
	9370 Sky Park Court Suite 140 San Diego, CA 92123 USA T 1 858 244 0440 W www.ghd.com		
	SUBMITTED: _____ PROJECT MANAGER _____ DATE _____	DATE _____ INITIAL _____ ENGINEER OF WORK	REVISION DESCRIPTION
SHEET # _____	CITY OF CARLSBAD ENGINEERING DEPARTMENT	SHEETS # _____	
CARLSBAD BLVD RDWY RESILIENCY PLAN ALTERNATIVE 1 TRAFFIC SIGNAL ALTERNATIVE			
APPROVED: _____			
DWN BY: _____ CHKD BY: _____ RVWD BY: _____	PROJECT NO. 11215903	DRAWING NO. FIG 1	

FOR REVIEW ONLY

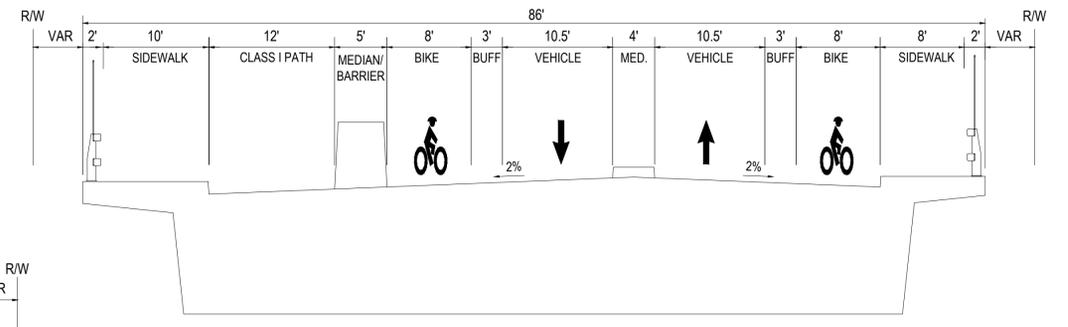
Option 2: 2-lane road with roundabouts



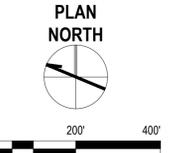
TYPICAL ROADWAY CROSS SECTION
N.T.S



TYPICAL TRAIL CROSS SECTION
N.T.S



TYPICAL BRIDGE CROSS SECTION
N.T.S



- Legend:**
- Proposed Class I Trail
 - Proposed Pedestrian Pathway
 - Proposed Roadway
 - Proposed Bridge
 - Coastal Hazard Zone
 - Landscape Areas
 - Property Line

Note:
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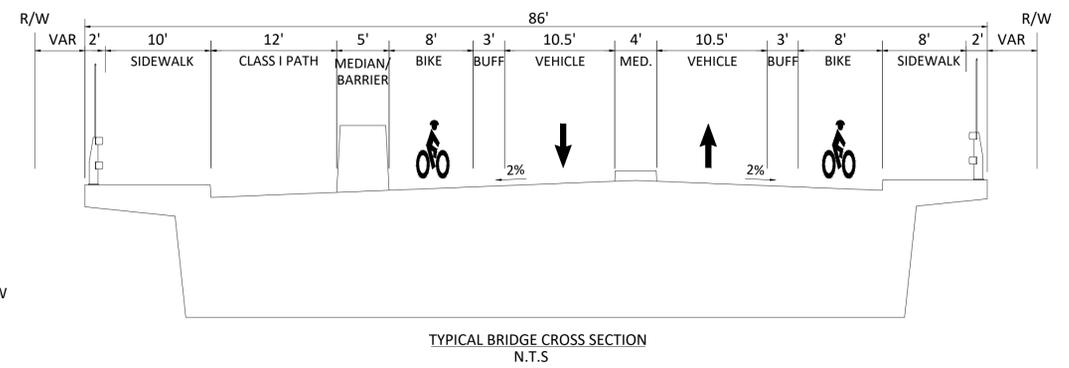
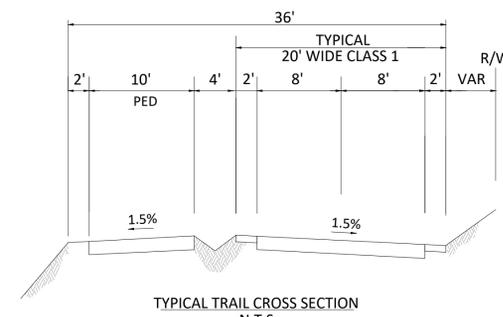
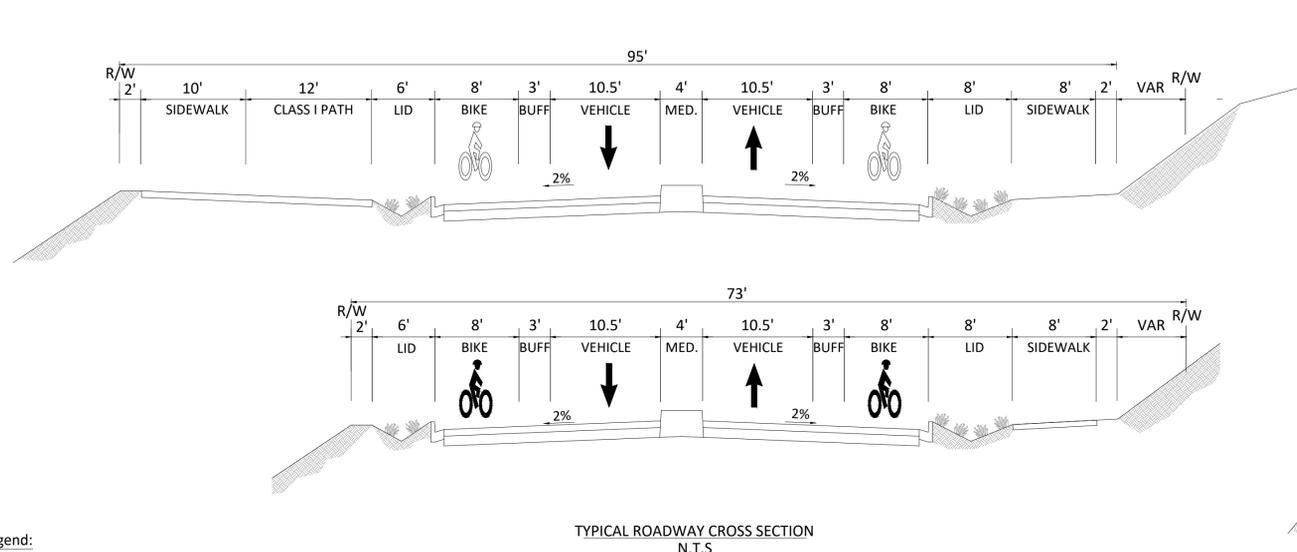
SUBMITTED: _____ PROJECT MANAGER _____ DATE _____

DATE	INITIAL	REVISION	DESCRIPTION	DATE	INITIAL	DATE	INITIAL

SHEET #	CITY OF CARLSBAD ENGINEERING DEPARTMENT	SHEETS #
CARLSBAD BLVD RDWY RESILIENCY PLAN ALTERNATIVE 2 ROUNDAABOUT ALTERNATIVE		
APPROVED: _____		
OWN BY: _____	PROJECT NO. 11215903	DRAWING NO. FIG 1
CHKD BY: _____		
RVWD BY: _____		

FOR REVIEW ONLY

Option 3: 2-lane road with roundabouts and one enhanced pedestrian crossing



- Legend:**
- Proposed Class I Trail
 - Proposed Pedestrian Pathway
 - Proposed Roadway
 - Proposed Bridge
 - Coastal Hazard Zone
 - Landscape Areas
 - Property Line

Note:
 1. GHD conceptual design developed from City of Carlsbad provided topography. Roadway design components will need to be modified in future phases of the project to coincide with final surveyed topographic and parcel line information.

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DATE	INITIAL	REVISION	DESCRIPTION	DATE	INITIAL	DATE	INITIAL

CITY OF CARLSBAD
 ENGINEERING DEPARTMENT

**CARLSBAD BLVD RDWY RESILIENCY PLAN
 ALTERNATIVE 3
 ROUNDABOUT HYBRID ALTERNATIVE**

APPROVED: _____

OWN BY: _____ PROJECT NO. **11215903** DRAWING NO. **FIG 1**
 CHKD BY: _____
 RVWD BY: _____

FOR REVIEW ONLY