

4.0

PLANTING

THE LOWLINE IS ENVISIONED TO BE A LUSH, **BOTANICALLY DIVERSE CORRIDOR** FOR PEOPLE TO ENJOY.

THE LOWLINE PLANTING WILL BE **TRUE TO CHARLESTON**, DRAWN FROM THE **ECOLOGICAL AND CULTURAL SYSTEMS** OF OUR REGION.

THE GREENING OF THE LOWLINE WILL PROVIDE A **SPONGE FOR STORMWATER** AND A **FILTER** FOR POLLUTANTS.

THE PLANTING WILL **SUPPORT AND ENHANCE ECOSYSTEM SERVICES**.

THE DESIGN WILL BE MOSTLY **LOW MAINTENANCE** WITH FOCAL POINTS OF MORE INTENSIVE CARE.

THE PLANT PALETTE WILL HONOR THE CITY'S RICH **HORTICULTURAL HISTORY**.

PLANTING STRATEGIES



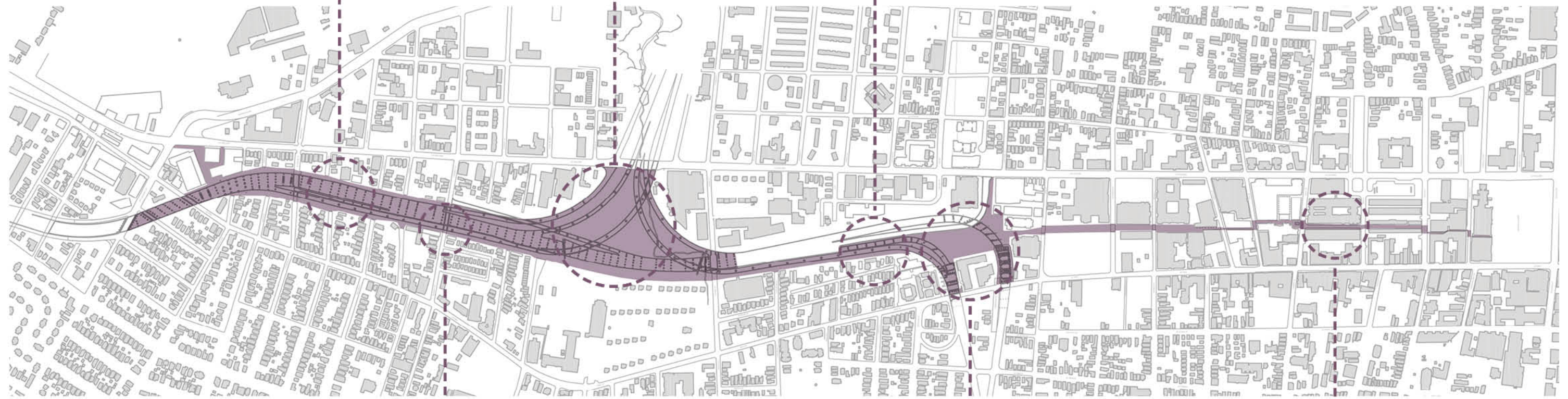
DEVELOP A **FULL SHADE** PLANT PALETTE FOR THE OVERPASSES



CREATE A **FLOODABLE PARK** WITH WATER-LOVING AND WATER-TOLERANT SPECIES



UTILIZE **NATIVE AND POLLINATOR-FRIENDLY** SPECIES TO SUPPORT BIODIVERSITY



MAXIMIZE USE OF **FULL SUN** AREAS FOR PLANTING



PROVIDE SPACES FOR PEOPLE TO **ENGAGE WITH NATURE**



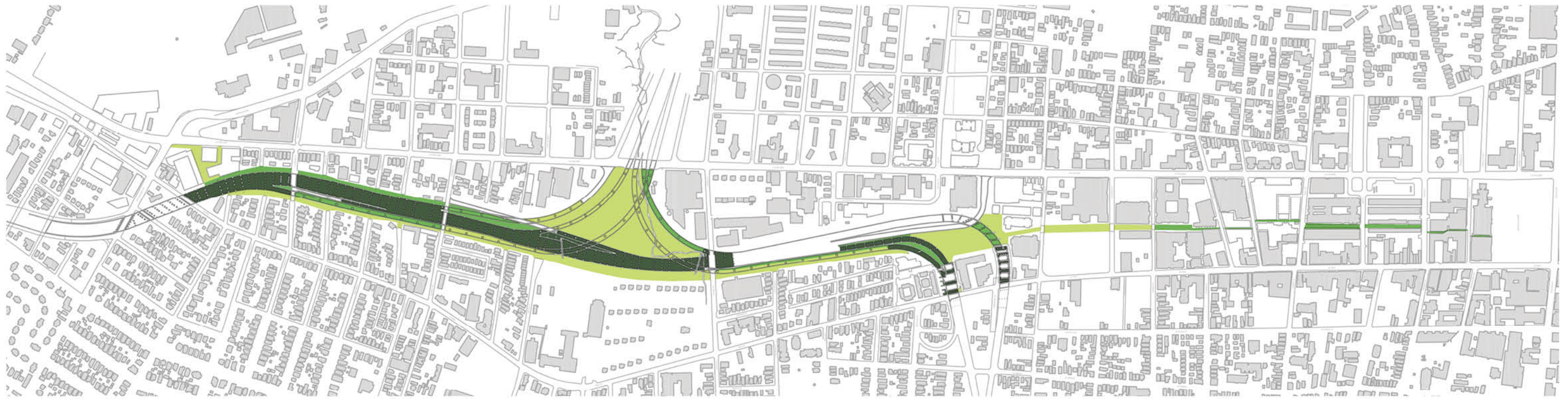
EMPLOY A **TRADITIONAL AND HISTORICAL** PLANT PALETTE FOR A CONGRUOUS DOWNTOWN CORE



SUN-SHADE ANALYSIS







The following diagram shows the approximate sun/shade patterns that will guide the planting design along the Lowline corridor. The design will maximize the use of areas with full/mostly full sun exposure for planting areas, leaving heavily shaded space under the overpasses for social gathering and programming purposes.



-  FULL SUN/
MOSTLY FULL SUN
-  PART SUN/
PART SHADE
-  FULL SHADE/
MOSTLY FULL SHADE

PLANTING TYPOLOGIES

KEY

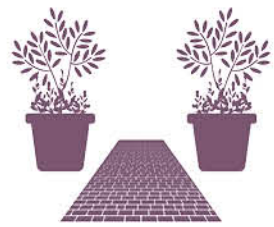
-  Overpass Shade Garden
-  Native Savanna
-  Freshwater Wetland
-  Saltmarsh
-  Park Space
-  Traditional Charleston Garden



TRADITIONAL CHARLESTON GARDEN



PARK SPACE



REPRESENTATIVE SPECIES



Boxwood



Sago Palm



Liriopis



REPRESENTATIVE SPECIES



Turf



Live Oak



Azalea

WETLANDS

SALTMARSH



REPRESENTATIVE SPECIES



Spartina Cordgrass



Black Needle Rush



Sea Oxeye Daisy

FRESHWATER MARSH



REPRESENTATIVE SPECIES



Common Rush



Iris



White Star Sedge

OVERPASS CORRIDOR

NATIVE SAVANNA



REPRESENTATIVE SPECIES



Sweetgrass



Goldenrod



Butterfly Milkweed

OVERPASS SHADE GARDEN



REPRESENTATIVE SPECIES



Dwarf Palmetto



Ferns



Fatsia