





# The High Line, NY.

- In May 2003, James Corner Field Operations with Diller Scofidio + Renfro competed against 720 teams from 36 countries to win the infrastructure conversion project of the New York City High Line.



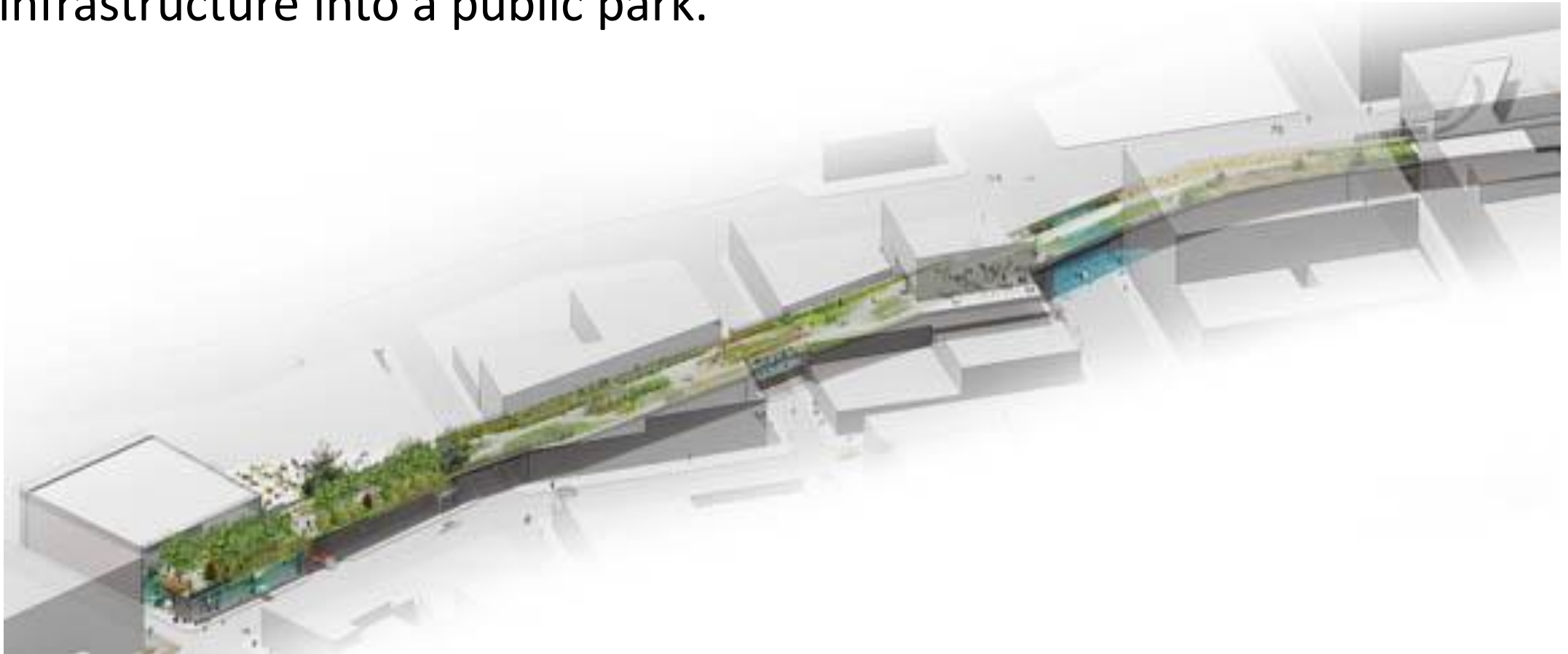


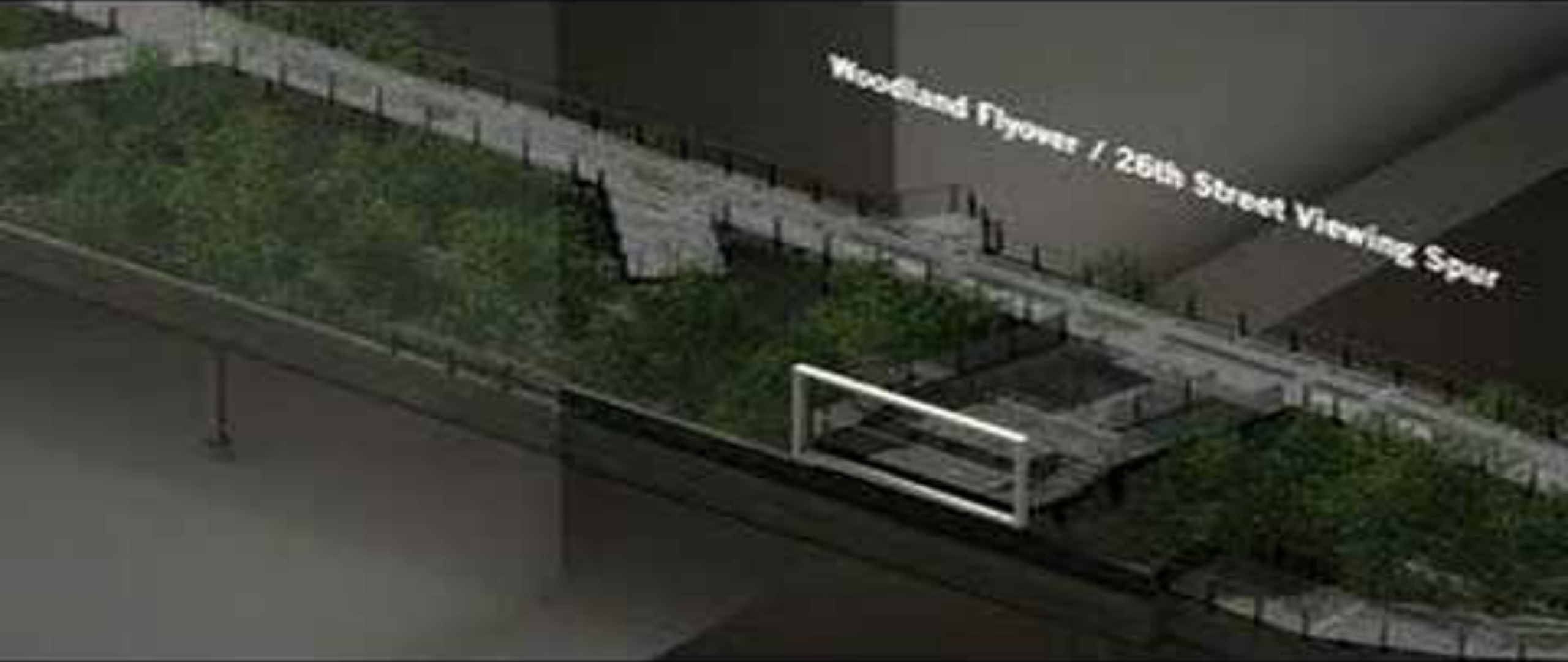
# Background



# Opportunity

In 2003, an open competition was held to convert the existing infrastructure into a public park.



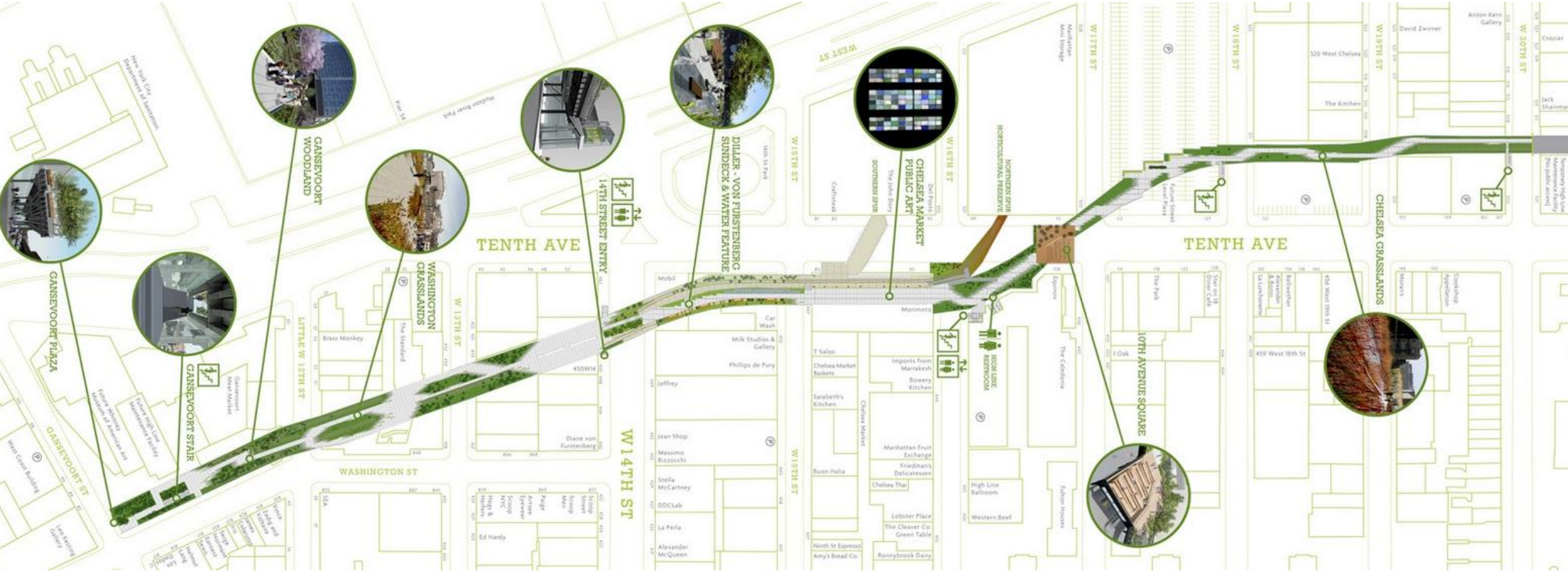


Woodland Flyover / 26th Street Viewing Spur

[https://www.youtube.com/watch?v=9o\\_5cbPDQoY&t=209s](https://www.youtube.com/watch?v=9o_5cbPDQoY&t=209s)



# Urban Function: Diverse Recreational Space



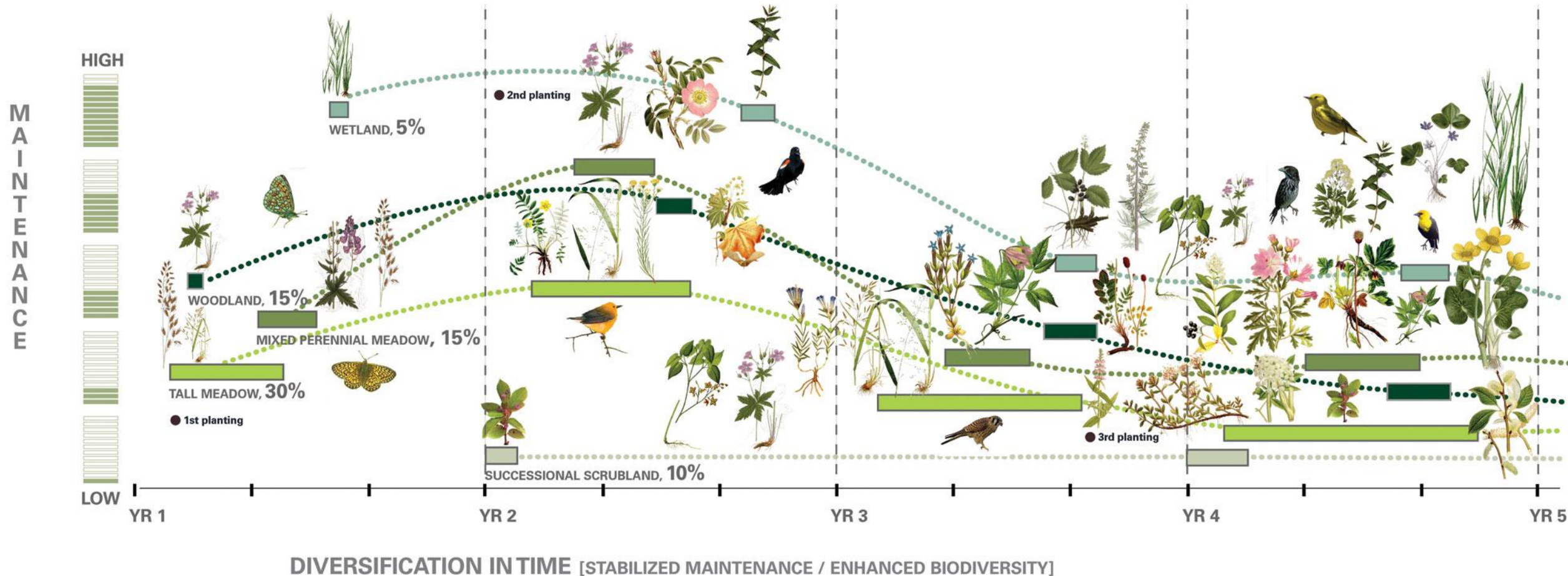


# Urban Function: Accessibility





# Ecosystem function: Enhance Biodiversity & Stabilized Maintenance





# Ecosystem Function



BROUGHT TO YOU BY



STAY CONNECTED  
@HIGHLINE NYC



## Trees & Shrubs

<i>Acer triflorum</i>	three-flowered maple	<i>Indigofera amblyantha</i>	pink-flowered indigo
<i>Aesculus parviflora</i>	bottlebrush buckeye	<i>Indigofera heterantha</i>	Himalayan indigo
<i>Amelanchier arborea</i>	common serviceberry	<i>Juniperus virginiana</i> 'Corcoror'	Emerald Sentinel® eastern red cedar
<i>Amelanchier laevis</i>	Allegheny serviceberry	Emerald Sentinel™	
<i>Amorpha fruticosa</i>	desert false indigo	<i>Lespedeza thunbergii</i> 'Gibraltar'	Gibraltar bushclover
<i>Aronia melanocarpa</i> 'Viking'	Viking black chokeberry	<i>Magnolia macrophylla</i>	bigleaf magnolia
<i>Betula nigra</i>	river birch	<i>Magnolia tripetala</i>	umbrella tree
<i>Betula populifolia</i>	grey birch	<i>Magnolia virginiana</i> var. <i>australis</i>	Green Shadow sweetbay magnolia
<i>Betula populifolia</i> 'Whitespire'	Whitespire grey birch	"Green Shadow"	
<i>Calliandra dichotoma</i>	beautyberry	<i>Mahonia x media</i> 'Winter Sun'	Winter Sun mahonia
<i>Calycanthus floridus</i>	sweetshrub	<i>Malus domestica</i> 'Golden Russet'	crabapple
<i>Calycanthus floridus</i> 'Michael Lindsey'	Michael Lindsey sweetshrub	<i>Malus floribunda</i>	black gum
<i>Carpinus betulus</i> 'Fastigiata'	upright European hornbeam	<i>Nyssa sylvatica</i>	Wildfire black gum
<i>Carpinus caroliniana</i>	American hornbeam	<i>Nyssa sylvatica</i> 'Natchez'	Natchez sweet mock orange
<i>Cercis canadensis</i>	eastern redbud	<i>Nyssa sylvatica</i> 'Wildfire'	Wildfire black gum
<i>Cercis canadensis</i> 'Ace of Hearts'	Ace of Hearts redbud	<i>Philadelphus 'Natchez'</i>	quaking aspen
<i>Cercis canadensis</i> 'Appalachian Red'	Appalachian Red redbud	<i>Populus tremuloides</i>	chokecherry
<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy redbud	<i>Prunus virginiana</i>	hop tree
<i>Cercis canadensis</i> 'Pauline Lily'	Pauline Lily redbud	<i>Ptelea trifoliata</i>	staghorn sumac
<i>Chaenomeles speciosa</i> 'Toyo-Nishiki'	Toyo-Nishiki flowering quince	<i>Quercus macrocarpa</i>	dwarf azalea
<i>Chaenomeles x superba</i> 'Jet Trail'	Jet Trail flowering quince	<i>Rhododendron atlanticum</i>	swamp azalea
<i>Chimonanthus praecox</i>	fragrant wintersweet	<i>Rhododendron viscosum</i>	winged sumac
<i>Chionanthus retusus</i>	Chinese fringetree	<i>Rhus aromatica</i> 'Gro-low'	Gro-low aromatic sumac
<i>Chionanthus virginicus</i>	fringetree	<i>Rhus copallinum</i>	smooth sumac
<i>Clerodendrum trichotomum</i>	harlequin glorybower	<i>Rhus typhina</i>	smooth sumac
<i>Clethra barbinervis</i>	Japanese clethra	<i>Rhus typhina</i> 'Dissecta'	cutleaf staghorn sumac
<i>Clethra alnifolia</i>	summersweet	<i>Rosa 'Ausorts'</i>	Mortimer Sackler® rose
<i>Cornus florida</i>	Jean's Appalachian Snow dogwood	<i>Rosa 'F.J. Grootendorst'</i>	F.J. Grootendorst rose
"Jean's Appalachian Snow"		<i>Rosa 'Sally Holmes'</i>	Sally Holmes rose
<i>Cornus sanguinea</i> 'Midwinter Fire'	Midwinter Fire bloodtwig dogwood	<i>Rosa glauca</i>	red leaf rose
<i>Cornus 'Rutban'</i> AURORA	Aurora® dogwood	<i>Rosa virginiana</i>	Virginia rose
<i>Corylopsis spicata</i>	spike winter hazel	<i>Rubus rufi</i>	creeping raspberry
<i>Cotinus 'Grace'</i>	Grace smokebush	<i>Salix 'Winter Glory'</i>	giant pussy willow
<i>Cotinus coggygria</i> 'Pink Champagne'	Pink Champagne smoke tree	<i>Salix discolor</i>	pussy willow
<i>Cotinus coggygria</i> 'Young Lady'	Young Lady smoke tree	<i>Salix elaeagnos</i>	willow
<i>Cotinus obovatus</i>	American smoke tree	<i>Salix gracilistyla</i> 'Melanostachys'	Melanostachys black pussy willow
<i>Fothergilla 'Mt. Airy'</i>	Mount Airy fothergilla	<i>Sambucus nigra</i> f. <i>porphyrophylla</i> 'Eva'	Eva black elderberry
<i>Fothergilla gardenii</i>	dwarf fothergilla	<i>Sarcococca hookeriana</i> var. <i>dignya</i>	Himalayan sweet box
<i>Gaylussacia baccata</i>	black huckleberry	<i>Sassafras albidum</i>	sassafras
<i>Gymnocladus dioica</i> 'Espresso'	Espresso Kentucky coffee tree	<i>Styrax japonicus</i> 'Sohoksan'	Emerald Pagoda Japanese snowbell
<i>Hammamelis virginiana</i>	American witchhazel	<i>Syringa oblata</i> subsp. <i>dilatata</i>	Cheyenne early lilac
<i>Hammamelis x intermedia</i> 'Jelena'	Jelena witchhazel	"Cheyenne"	
<i>Hammamelis x intermedia</i> 'Palida'	Palida witchhazel	<i>Syringa x laciniata</i>	cutleaf lilac
<i>Hammamelis x intermedia</i> 'Sunburst'	Sunburst witchhazel	<i>Viburnum lentago</i>	nannyberry
<i>Hydrangea quercifolia</i> 'Alice'	Alice oakleaf hydrangea	<i>Viburnum nudum</i> 'Bulky' BRANDY WINE	Brandywine smooth withered
<i>Ilex opaca</i> 'Dan Fenton'	Dan Fenton American holly	<i>Viburnum nudum</i> 'Winterturh'	Winterturh smooth withered
<i>Ilex opaca</i> 'Jersey Knight'	Jersey Knight American holly	<i>Viburnum prunifolium</i>	blackhaw viburnum
<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy winterberry	<i>Viburnum x bodnantense</i> 'Dawn'	Dawn viburnum
<i>Ilex verticillata</i> 'Nana' RED SPRITE	Red Sprite winterberry	<i>Viburnum x burkwoodii</i>	Burkwood viburnum
<i>Ilex verticillata</i> 'Southern Gentleman'	Southern Gentleman winterberry	<i>Vitex agnus-castus</i> 'Abbeville Blue'	Abbeville Blue chaste tree

## HIGH LINE PLANT LIST

### Perennials

<i>Achillea filipendulina</i> 'Parker's Variety'	Parker's Variety fern-leaf yarrow	<i>Echinacea 'Sundown'</i> (Big Sky series)	Sundown coneflower
<i>Achillea 'Terracotta'</i>	Terracotta yarrow	<i>Echinacea tenesseeensis</i>	Tennessee purple coneflower
<i>Achillea 'Walther Funcke'</i>	Walther Funcke yarrow	<i>Epimedium grandiflorum</i> 'Lilafée'	Lilafée barrenwort
<i>Actaea pachypoda</i>	doll's eyes	<i>Epimedium x peralchicum</i> 'Fröhleiten'	Fröhleiten yellow barrenwort
<i>Actaea rubra</i>	red baneberry	<i>Eryngium yuccifolium</i>	rattlesnake master
<i>Actaea simplex</i> 'James Compton'	James Compton bugbane	<i>Eupatorium altissimum</i>	tall thoroughwort
<i>Adiantum pedatum</i>	northern maidenhair fern	<i>Eupatorium dubium</i> 'Baby Joe'	Baby Joe Joe Pye weed
<i>Agastache 'Forniculus'</i>	blue giant hyssop	<i>Eupatorium dubium</i> 'Little Joe'	Little Joe Joe Pye weed
<i>Ageratina altissima</i> 'Chocolate'	Chocolate white snakeroot	<i>Eupatorium hyssopifolium</i>	hyssop-leaved thoroughwort
<i>Ageratina altissima</i>	white snakeroot	<i>Eupatorium perfoliatum</i>	American boneset
<i>Amsonia hubrichtii</i>	thread-leaf bluestar	<i>Euphorbia amygdaloides</i> subsp. <i>robbiae</i>	leatherleaf spurge
<i>Amsonia 'Blue Ice'</i>	Blue Ice bluestar	<i>Euphorbia corollata</i>	wild spurge
<i>Amsonia tabernaemontana</i> var. <i>salicifolia</i>	eastern bluestar	<i>Euphorbia griffithii</i> 'Fireglow'	Fireglow spurge
<i>Anaphalis margaritacea</i>	pearly everlasting	<i>Eurybia divaricata</i> 'Eastern Star'	Eastern Star white wood aster
<i>Anemone cylindrica</i>	thimbleweed	<i>Eurybia macrophylla</i> 'Twilight'	Twilight aster
<i>Anemone quinquefolia</i>	wood anemone	<i>Eurybia spectabilis</i>	eastern showy aster
<i>Aralia racemosa</i>	American spikenard	<i>Euthamia graminifolia</i>	flattop aster
<i>Aruncus 'Horatio'</i>	Horatio goatsbeard	<i>Eutrochium maculatum</i> 'Gateway'	Gateway Joe Pye weed
<i>Asarum canadense</i>	wild ginger	<i>Eutrochium maculatum</i> 'Purple Bush'	Purple Bush Joe Pye weed
<i>Asclepias incarnata</i> 'Ice Ballet'	swamp milkweed	<i>Filipendula rubra</i> 'Venusta'	Venusta queen of the prairie
<i>Asclepias purpurascens</i>	purple milkweed	<i>Galium odoratum</i>	sweet woodruff
<i>Asclepias tuberosa</i>	butterfly milkweed	<i>Geranium macrorrhizum</i> 'Spessart'	Spessart geranium
<i>Aspidodolins lutea</i>	king's spar	<i>Geranium maculatum</i>	wild geranium
<i>Aster tataricus</i> 'Jinda'	Jinda tatarian aster	<i>Geranium sanguineum</i> 'Max Frei'	Max Frei bloody cranesbill
<i>Astilbe chinensis</i> 'Visions in Pink'	Visions in Pink Chinese astilbe	<i>Geranium saboliferum</i>	cranesbill
<i>Astranta major</i> 'Roma'	Roma masterwort	<i>Geranium wlassovianum</i>	cranesbill
<i>Athyrium lix-femina</i> 'Minutissimum'	Minutissimum dwarf lady fern	<i>Geranium x oxonianum</i> 'Claridge Druce'	Claridge Druce cranesbill
<i>Athyrium niponicum</i> var. <i>pictum</i>	Japanese painted fern	<i>Geranium 'Patricia'</i>	Patricia cranesbill
<i>Baptisia alba</i>	white wild indigo	<i>Geranium 'Spinners'</i>	Spinners cranesbill
<i>Baptisia sphaerocarpa</i>	yellow wild indigo	<i>Geum triflorum</i>	prairie smoke
<i>Baptisia 'Purple Smoke'</i>	Purple Smoke wild indigo	<i>Gillenia stipulata</i>	American ipoeac
<i>Brunnera macrophylla</i> 'Jack Frost'	Jack Frost Siberian bugloss	<i>Gillenia trifoliata</i>	bowman's root
<i>Brunnera macrophylla</i>	Siberian bugloss	<i>Helianthus angustifolius</i>	swamp sunflower
<i>Campanula glomerata</i> 'Caroline'	Caroline clustered bellflower	<i>Helianthus angustifolius</i> 'Gold Lace'	Gold Lace swamp sunflower
<i>Ceratostigma plumbaginoides</i>	plumbago	<i>Hebeborus argutifolius</i>	Corscan hellebore
<i>Chelidonium lanosa</i>	hairy lilyfern	<i>Heuchera americana</i> 'Dale's Strain'	Dale's Strain American alumroot
<i>Clinopodium nepeta</i>	lesser calamint	<i>Heuchera villosa</i> 'Autumn Bride'	Autumn Bride hairy alumroot
<i>Coreopsis tripteris</i>	tall tickseed	<i>Heuchera 'Amethyst Myst'</i>	Amethyst Myst coralbells
<i>Coreopsis 'Full Moon'</i>	Full Moon tickseed	<i>Heuchera 'Brownies'</i>	Brownies hairy alumroot
<i>Corydalis cava</i>	hollow root	<i>Heuchera 'Frosted Violet'</i>	Frosted Violet coralbells
<i>Corydalis solida</i> 'George Baker'	George Baker fumewort	<i>x Heuchera 'Sweet Tea'</i>	Sweet Tea heuchera
<i>Corydalis solida</i>	fumewort	<i>Hydrastis canadensis</i>	goldenseal
<i>Crambe cordifolia</i>	colewort	<i>Iris cristata</i> 'Powder Blue Giant'	Powder Blue Giant dwarf crested iris
<i>Dalea purpurea</i>	purple prairie clover	<i>Iris domestica</i>	blackberry lily
<i>Desmodium canadense</i>	showy tick-trefoil	<i>Iris fulva</i>	copper iris
<i>Dennstaedtia punctilobula</i>	eastern hayscented fern	<i>Jeffersonia diphylla</i>	liverleaf
<i>Dianthus carthusianorum</i>	clusterhead	<i>Kalimeris incisa</i>	Japanese aster
<i>Dictamnus albus</i>	gas plant	<i>Knautia macedonica</i> 'Mars Midget'	Mars Midget pincushion plant
<i>Dodecatheon meadia</i>	shooting star	<i>Knautia macedonica</i>	pincushion plant
<i>Doellingeria umbellata</i>	flat-topped aster	<i>Lathyrus vernus</i>	spring vetch
<i>Dryopteris marginalis</i>	marginal wood fern	<i>Lavandula angustifolia</i> 'Munstead'	Munstead English lavender
<i>Echinacea pallida</i> 'Hula Dancer'	Hula Dancer pale purple coneflower	<i>Lespedeza capitata</i>	roundhead bushclover
<i>Echinacea pallida</i>	pale purple coneflower	<i>Liatris aspera</i>	blazing star
<i>Echinacea paradoxa</i>	yellow coneflower	<i>Liatris pycnostachya</i>	prairie blazing star
<i>Echinacea purpurea</i> 'Fatal Attraction'	Fatal Attraction coneflower	<i>Liatris scariosa</i>	northern blazing star
<i>Echinacea purpurea</i> 'Jade'	Jade coneflower	<i>Liatris spicata</i>	spiked gayfeather
<i>Echinacea purpurea</i> 'Magnus'	Magnus coneflower	<i>Limnium platyphyllum</i>	sea lavender
<i>Echinacea purpurea</i> 'Vintage Wine'	Vintage Wine coneflower	<i>Liriope muscari</i> 'Densiflora'	Densiflora lilyturf
<i>Echinacea purpurea</i> 'Virgin'	Virgin coneflower	<i>Lythrum alatum</i>	winged loosestrife
<i>Echinacea purpurea</i>	purple coneflower	<i>Maianthemum canadense</i>	Canada mayflower



# Ecosystem Function



GARDEN ZONE

## Donald Pels and Wendy Keys Gansevoort Woodland

LOCATION

At Gansevoort St.

Map of the High Line Garden showing the location of the Gansevoort Woodland.



## Featured Plants



### Minutissimum dwarf lady fern

*Athyrium filix-femina* 'Minutissimum'

In its native range, this pioneering fern will take hold on rock surfaces. The fiddleheads are edible, with a flavor reminiscent of artichokes.



### Amethyst Falls American wisteria

*Wisteria frutescens* 'Amethyst Falls'

Native to Northeast American moist woodlands, American wisteria is far less aggressive than Asian varieties.



### Autumn moorgrass

*Sesleria autumnalis*

This cool-season European grass is one of the first plants on the High Line to begin growing in the spring. Moor grass also does well in shade.



### Whitespire gray birch

*Betula populifolia* 'Whitespire'

With distinctive triangular markings punctuating white bark, gray birch is one of the most elegant and easily recognized trees on the High Line.



### Allegheny serviceberry

*Amelanchier laevis*

These native shrubs produce berries in June that are beloved by birds—but don't mistake them for blueberries.



# Ecosystem Function



GARDEN ZONE

## Washington Grasslands & Woodland Edge

LOCATION

At 13th St.



## Featured Plants



### **Sinonome toadlily**

*Tricyrtis 'Sinonome'*

With its magnificent, orchid-like, purple-and-white mottled flowers, the toadlily is a beautiful sight in autumn when most summer flowers have faded.



### **Fringe tree**

*Chionanthus virginicus*

The showy, fragrant flowers of the American fringe tree appear in spring, but the fall foliage of this native northeastern tree is just as beautiful.



### **Chokecherry**

*Prunus virginiana*

Beautiful and aggressive: The plant sends up many suckers (new growth at the base of the stem), and will form dense thickets if not cut back.



### **Firetail mountain fleece**

*Persicaria amplexicaulis 'Firetail'*

A long-blooming perennial native to the Himalayas, China, and Pakistan, the bright magenta flower stalks will sometimes last until the year's first frost.



### **Thimbleweed**

*Anemone cylindrica*

This plant blooms in white, cylindrical clusters of flowers that turn into cottony puffs, spreading seeds in the wind.



# Ecosystem Function



## GARDEN ZONE

### Diller – von Furstenberg Sundeck & Water Feature

#### LOCATION

Between 14th St. and 15th St.

The Diller – von Furstenberg Sundeck is one of the High Line's



## Featured Plants



### Dewey Blue bitter panic grass *Panicum amarum* 'Dewey Blue'

This grass is named for Dewey, Delaware, where it was discovered in the sand dunes. It is a prolific self-seeder and can be aggressive.



### Smooth sumac *Rhus glabra*

Sumacs, native to the Northeast, are one of the most iconic plants of the High Line. This species is named for its smooth stems.



### Giant horsetail *Equisetum hyemale*

These striking green stalks, often mistaken for bamboo, are members of an ancient class of plants. They reproduce through spores instead of seeds.



### Rose mallow *Hibiscus moscheutos* ssp. *palustris*

The huge pink flowers of rose mallow last only a day or two—but this showy plant blooms continuously from mid-summer to early fall.

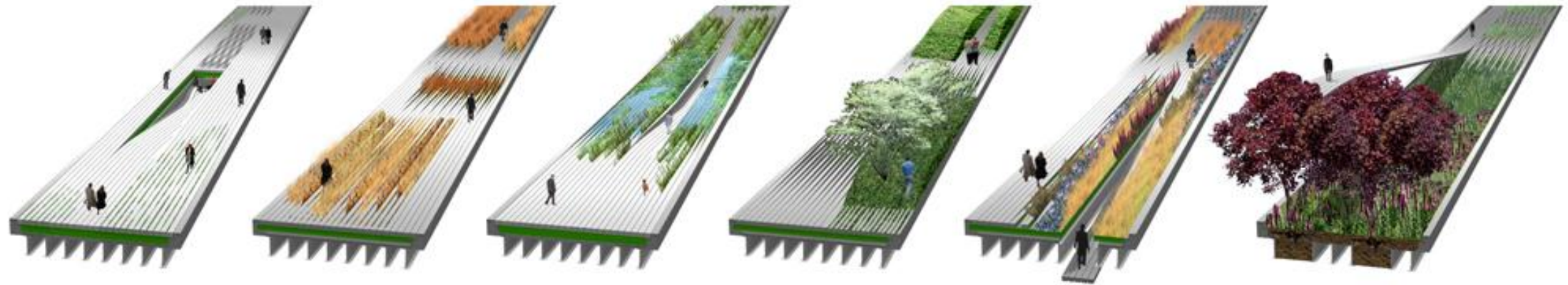


### Groundsel bush *Baccharis halimifolia*

This native shrub attracts a wide variety of pollinators. The plant's subtle fragrance that attracts pollinators.



# Human & Ecosystem Promoting Each Other



**PIT**  
0% : 100%

**PLAINS**  
40% : 60%

**BRIDGE**  
50% : 50%

**MOUND**  
55% : 45%

**RAMP**  
60% : 40%

**FLYOVER**  
100% : 10%



**MOSSLAND**  
*Dieranum*  
*Leucobryum*  
*Polytrichum*  
*Thuidium*



**TALL MEADOW**  
*Avena*  
*Festuca*  
*Miscanthus*  
*Pennisetum*  
*Sorghastrum*



**WETLAND**  
*Aster*  
*Carex*  
*Epimedium*  
*Luzula*  
*Lythrum*  
*Verbena*



**WOODLAND THICKET**  
*Adiantum* spp.  
*Asarum*  
*Betula nigra* 'Heritage'  
*Clethra barbinervis*  
*Sassafras albidum*  
*Osunda* spp.  
*Viburnum dilatatum*



**MIXED PERENNIAL MEADOW**  
*Artemisia*  
*Eryngium giganteum*  
*Heuchera*  
*Monarda*  
*Pericaria*  
*Sanguisorba officinalis*  
*Salvia*

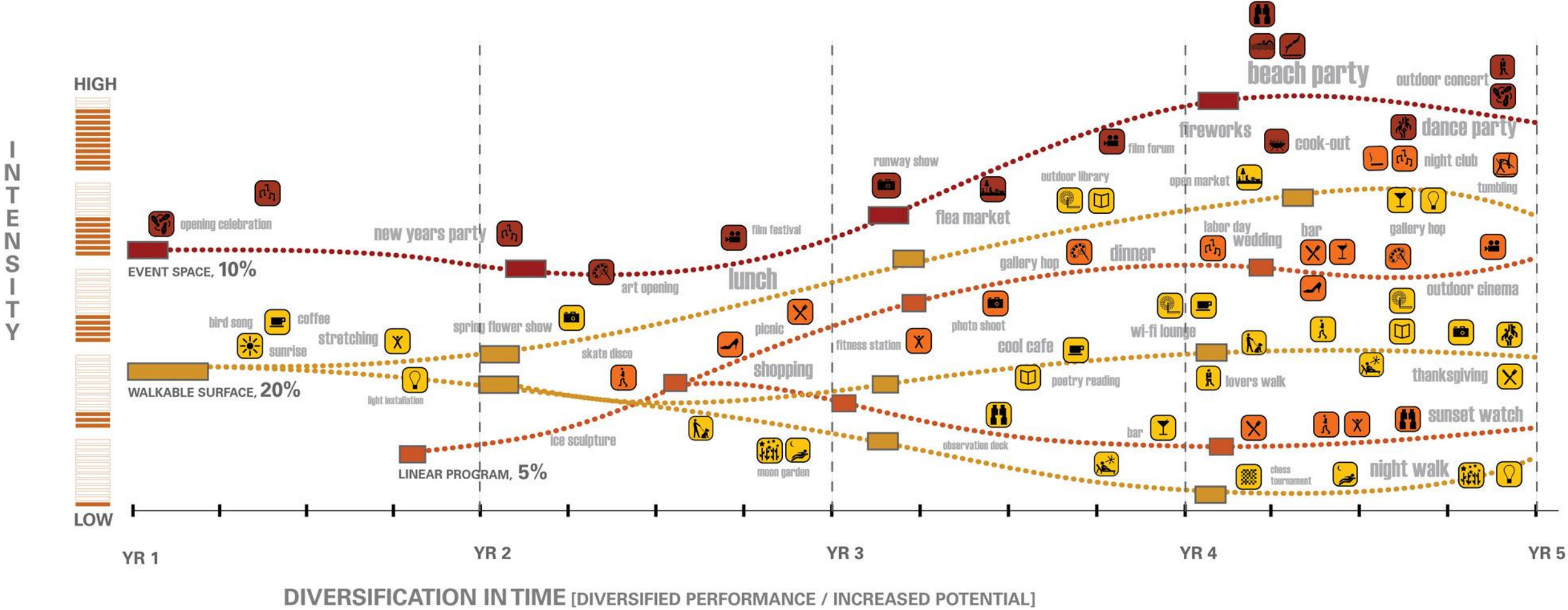


**YOUNG WOODLAND**  
*Agastache*  
*Buxus sempervirens*  
*Cercia canadensis*  
*Lavatera*  
*Rhus chinensis*  
*Salix elaeagnos*





# Diversified Activities



Resource: <https://backspace.com/notes/topic/high%20line>



# Negative Side of the Project

- Ironically, development of the High Line may push many in the arts community to leave the area. When the project is complete, rents around the Line are likely to increase. Many arts spaces are already midway through their 10 year lease, and unable to afford the current market rents. Part of the development plans could create public spaces that would not command retail rents and could support galleries, though these would be limited.

# Example of Applying to Works



## RENOVATION STRUCTURE

