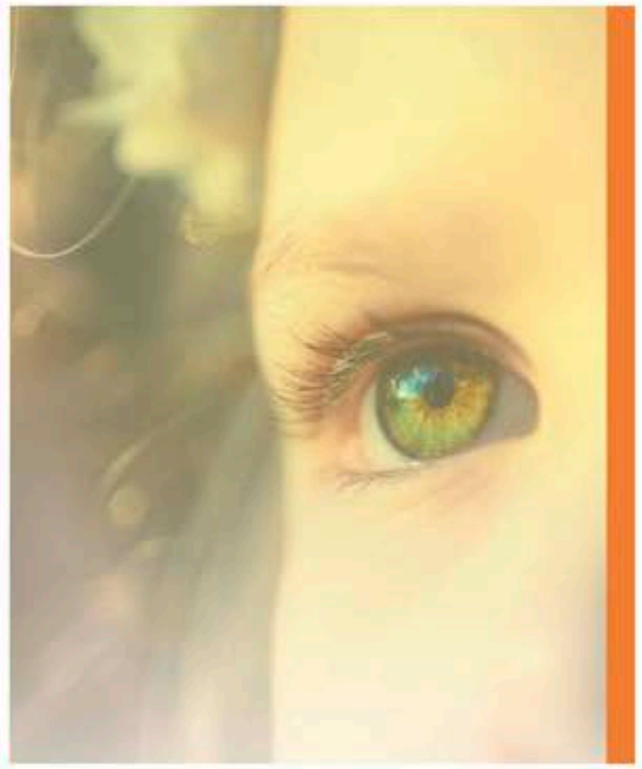


ORANGE COUNTY GOVERNMENT FLORIDA

International Drive Pedestrian Overpass Analysis and Overpass Conceptual Design Study

Project Advisory Group Meeting #2

HHCP&AVCON
A JOINT VENTURE

Project Advisory Group
Meeting Objectives

Meeting Number Two

- Presentation on Findings of Existing Conditions
- Discussion of General Bridge Features; Ramps, Stairs Elevators, etc.
- Comments from Group Members

Meeting Number One
Introduction of Participants
General Overview of Project
Initial Comments from Group Members

Meeting Number Two
Presentation on Findings of Existing Conditions
Discussion of General Bridge Features; Ramps, Stairs Elevators, etc.
Comments from Group Members

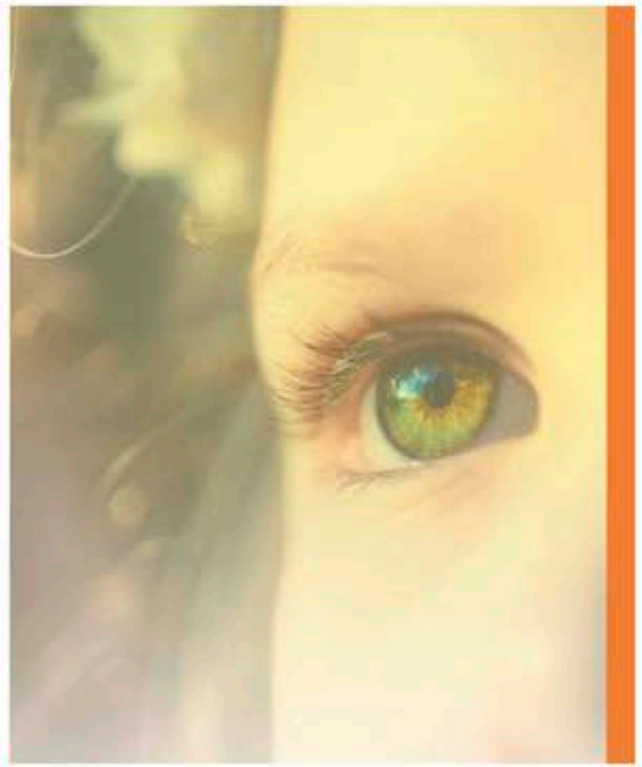
Meeting Number Three
Presentation of Preliminary Bridge Concepts
Comparison of Aesthetics for Each Concept
Discussion of Right-of-Way and Access impacts
Discussion of Utility Impacts
Comments from Group Members

Meeting Number Four
Presentation of Refined Bridge Concepts
Discussion of Refined Aesthetics
Further Discussion of Right-of-Way and Access Impacts
Further Discussion of Utility Impacts
Final Comments from Group Members

Meeting Number Five
Presentation of Final Concept Plans for 3 Alternatives
Presentation on Evaluation Method and Rankings
Discuss Rankings and Determination of Preferred Alternative

Jerry L. Demings
Orange County Mayor

Victoria P. Siplin
District 6 Commissioner



Meeting Number Two

Vertical Circulation

ORANGE COUNTY GOVERNMENT FLORIDA

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Vertical Circulation

Options

1. Ramps
2. Stairs
3. Elevators
4. Escalators

Ramps

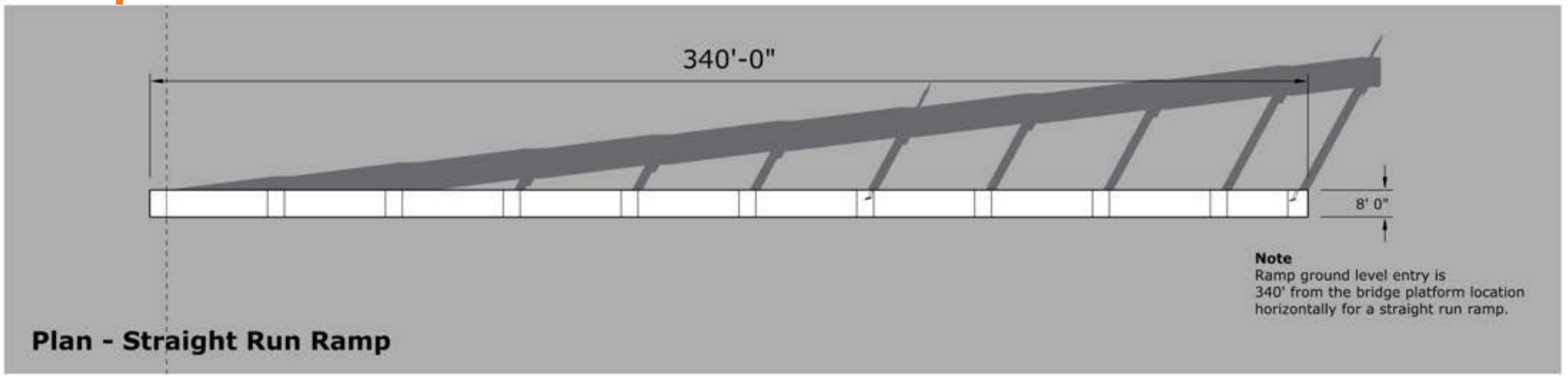
Advantages

1. Provide both Accessibility and Egress
2. Meets all required functions in a single circulation element
3. No power required and no maintenance
4. Accommodates bicycles

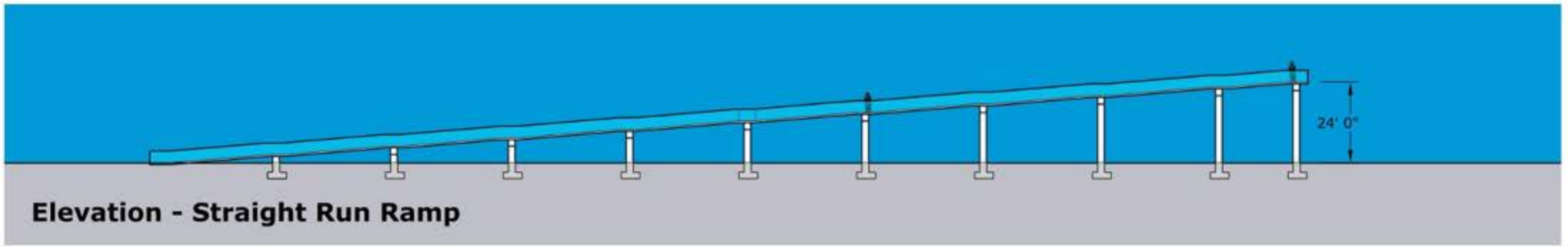
Disadvantages

1. To get to elevation +24’ requires user to climb or descend 343 linear feet of ramp
2. Requires a larger site area than stairs or elevators
3. Creates a visual obstacle to properties at the corner.
4. Additional travel distance may discourage use.
5. May require a roof for shade.

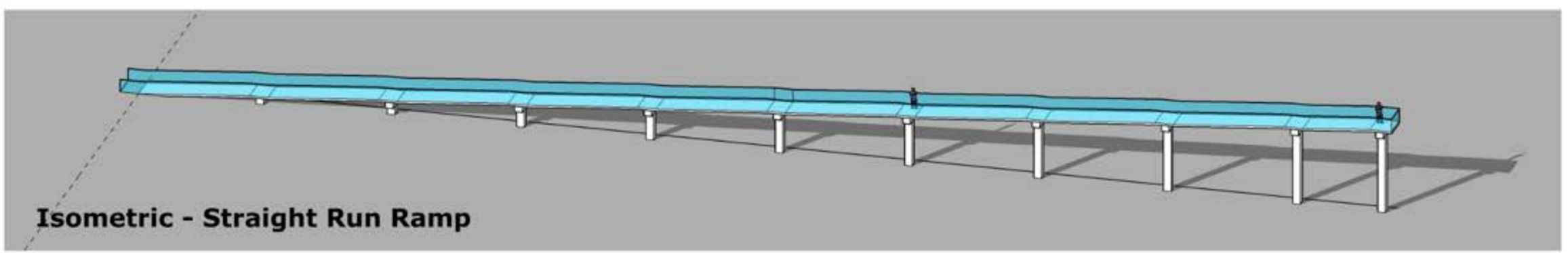
Ramps



Plan - Straight Run Ramp

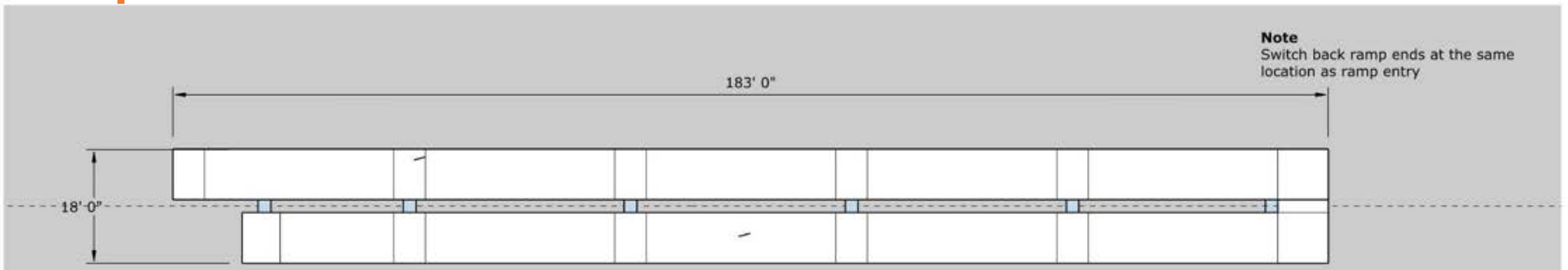


Elevation - Straight Run Ramp



Isometric - Straight Run Ramp

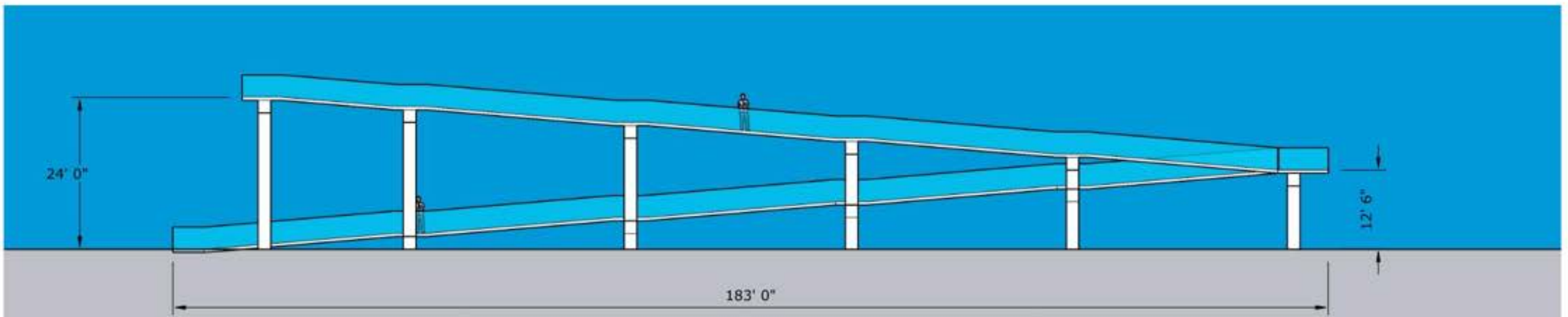
Ramps



Note
Switch back ramp ends at the same location as ramp entry

Note
Number of support columns and foundations are reduced by half from straight ramp configuration.

Plan - Switchback Ramp

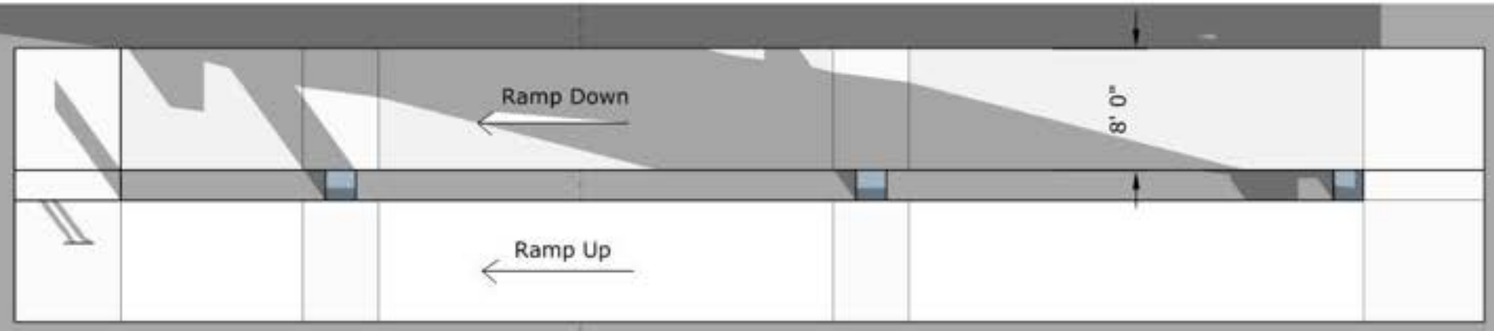


Elevation - Switchback Ramp

Ramps

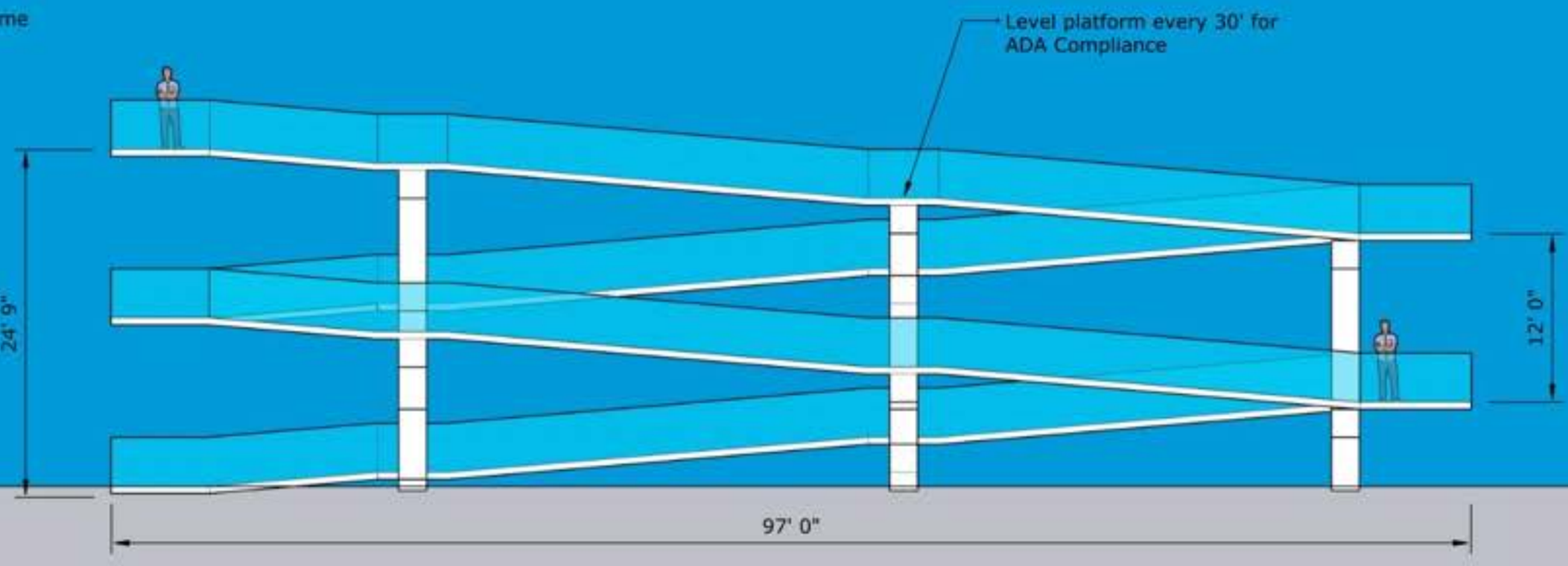
Note
You must walk 368' on the ramp to get to the upper platform at El. 24'-0"

Note
This Ramp configuration covers 1728sf of site area.



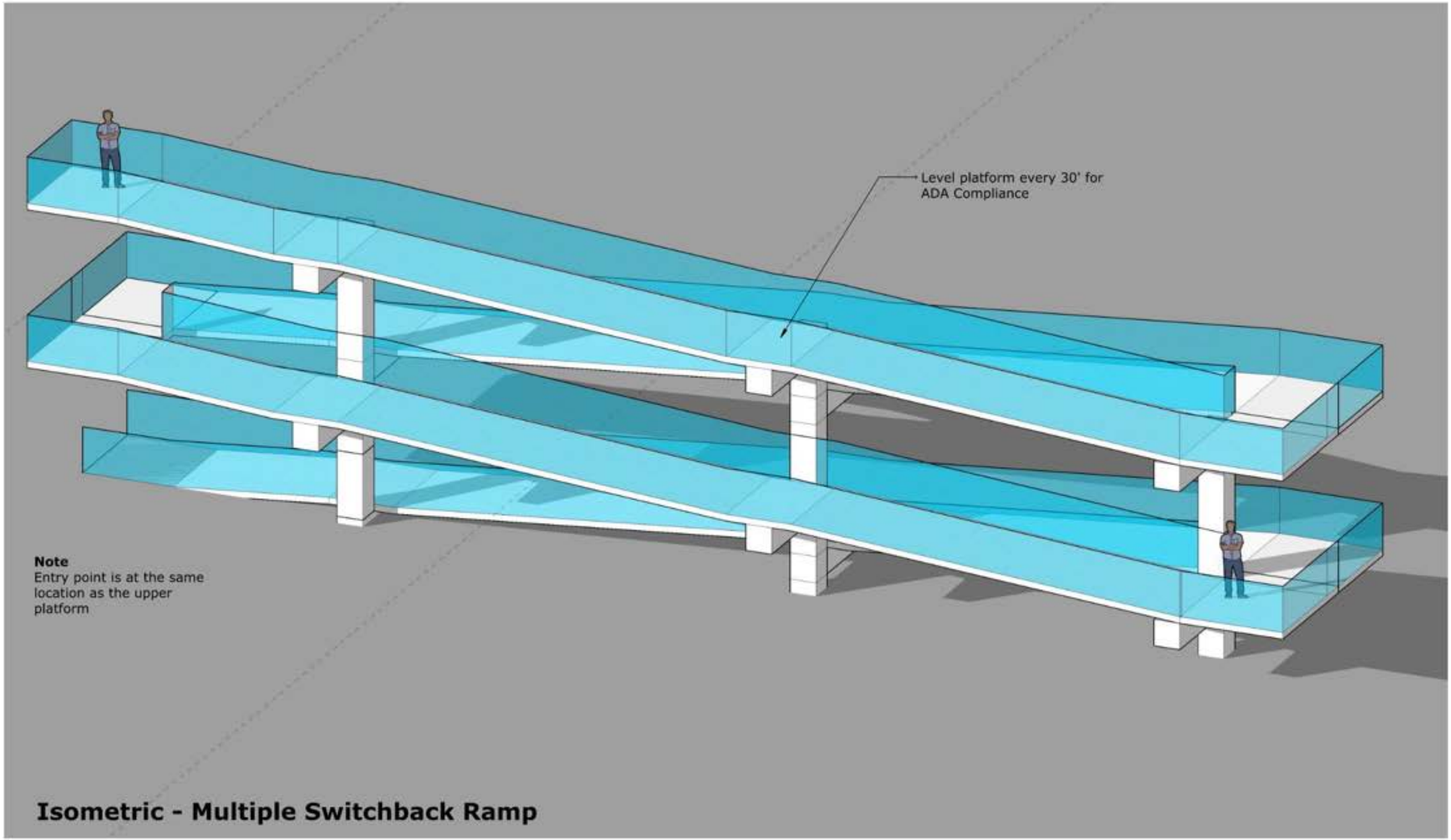
Plan - Multiple Switchback Ramp

Note
Entry point is at the same location as the upper platform



Elevation - Multiple Switchback Ramp

Ramps


Level platform every 30' for
ADA Compliance
Note
Entry point is at the same location as the upper platform
Isometric - Multiple Switchback Ramp

Stairs

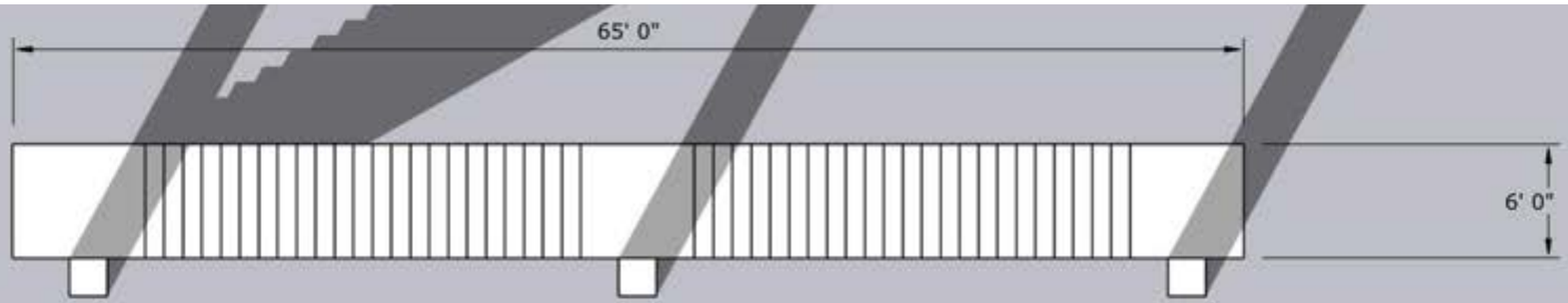
Advantages

1. Provide Egress
2. Small Footprint
3. No power required and no maintenance
4. No waiting
5. High capacity

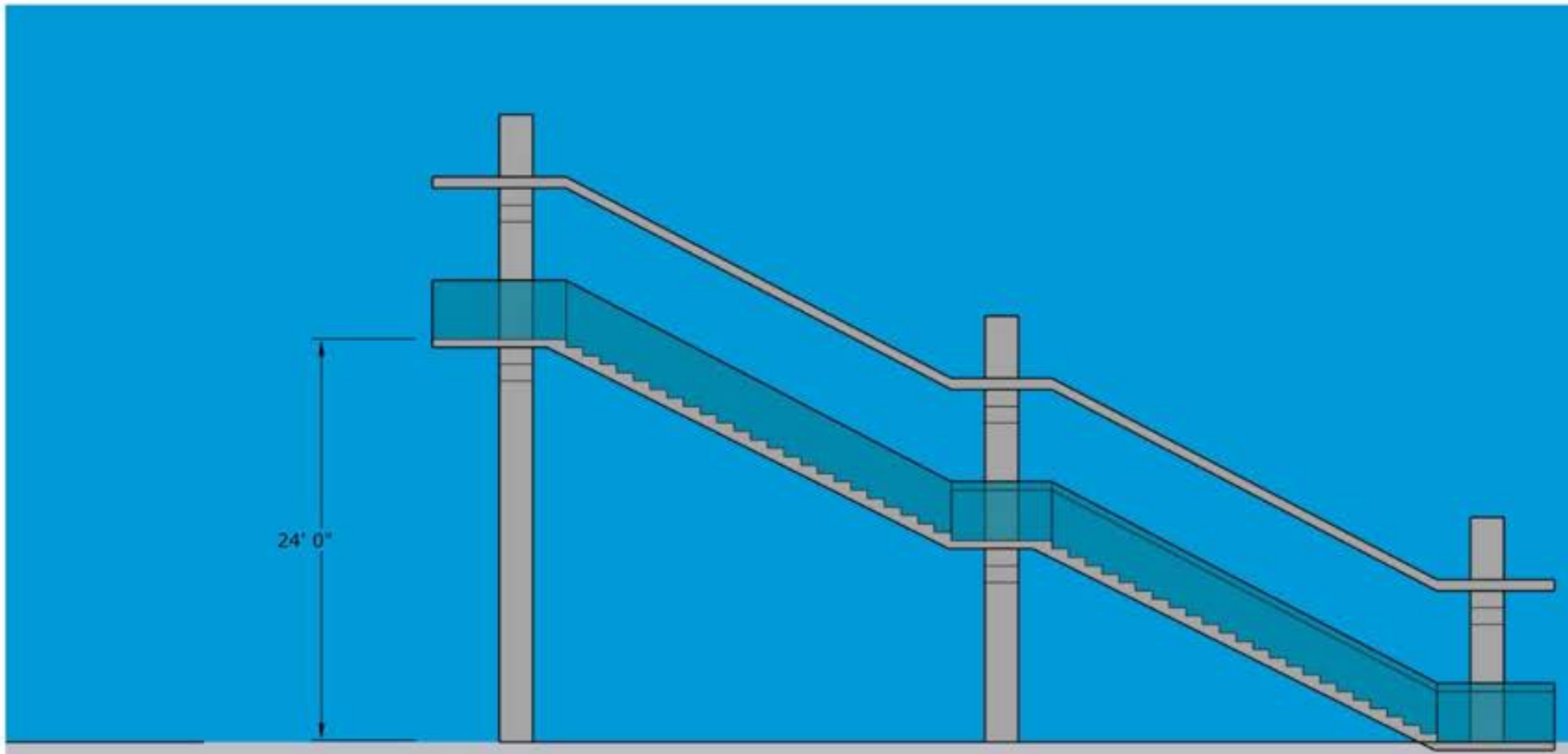
Disadvantages

1. Not Accessible
2. Does not work for bicycles, strollers, or wheelchairs
3. Climbing stairs 24’vertically is not physically possible for all.

Stairs



Plan - Straight Run Stair



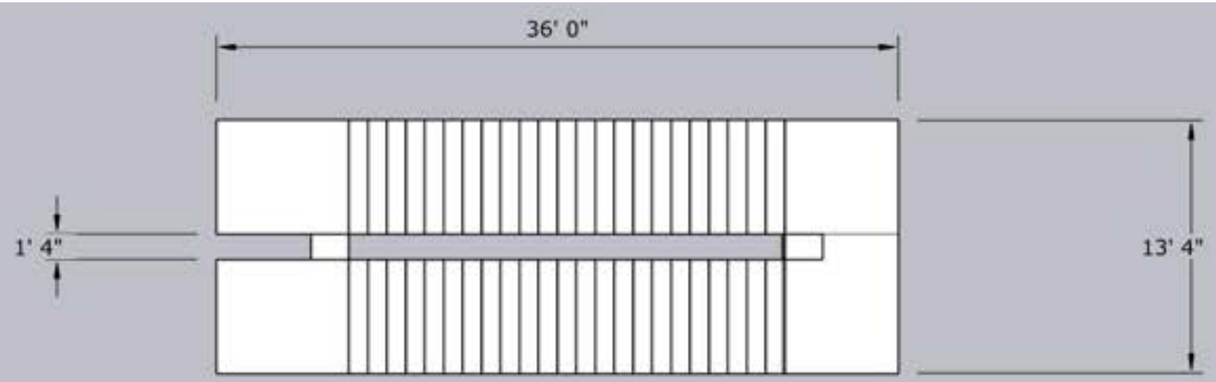
Note
Stair ground level entry is
60' from the bridge platform location
horizontally for a straight run stair.

Note
Stair landing required every 12' of
vertical rise in the stair.

Canopy at stair is optional

Elevation - Straight Run Stair

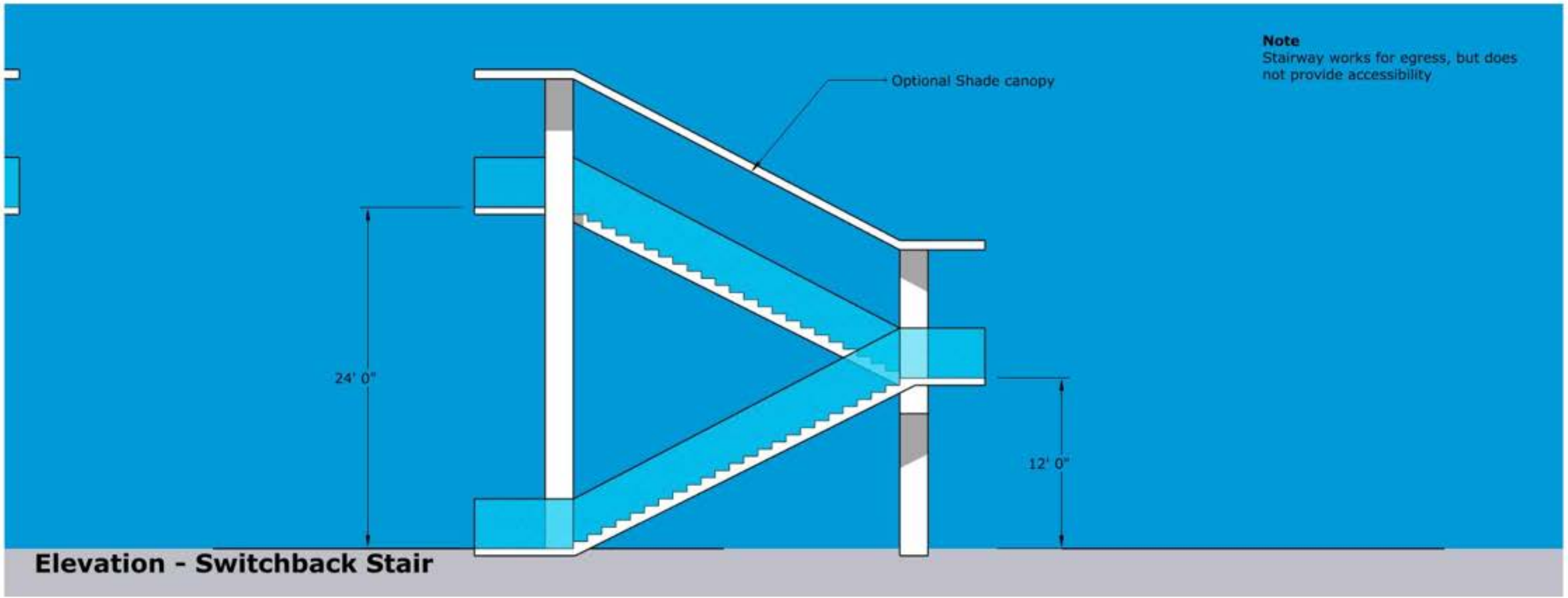
Stairs



Note
Switch back stair ends at the same location as stair entry

Foundations can be accommodated within the footprint of the stair.

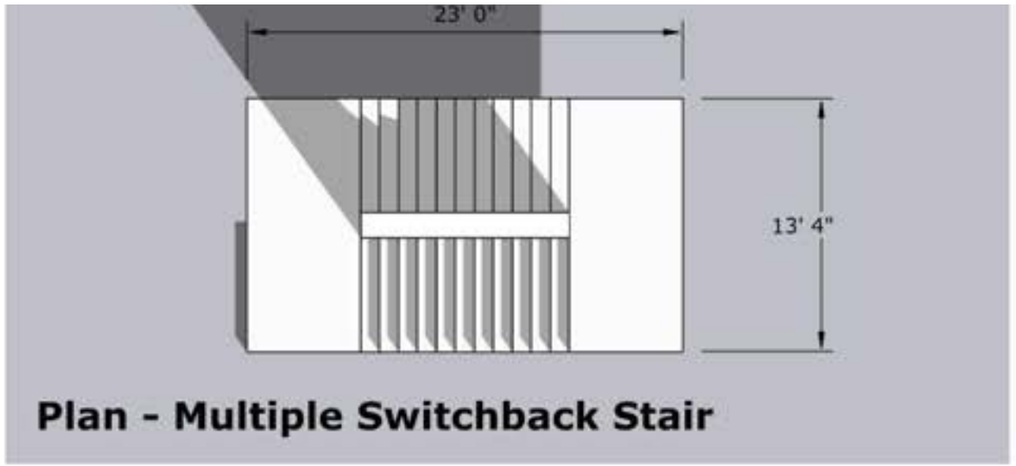
Plan - Switchback Stair



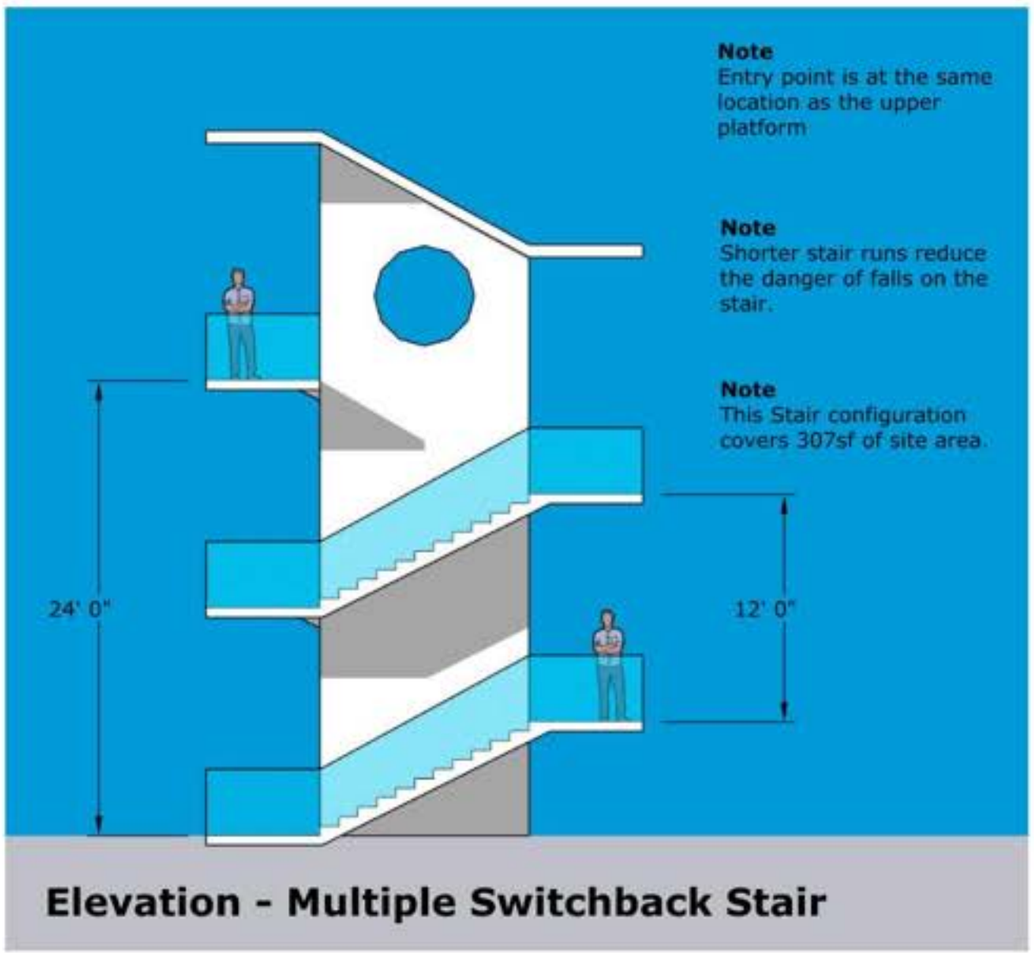
Note
Stairway works for egress, but does not provide accessibility

Elevation - Switchback Stair

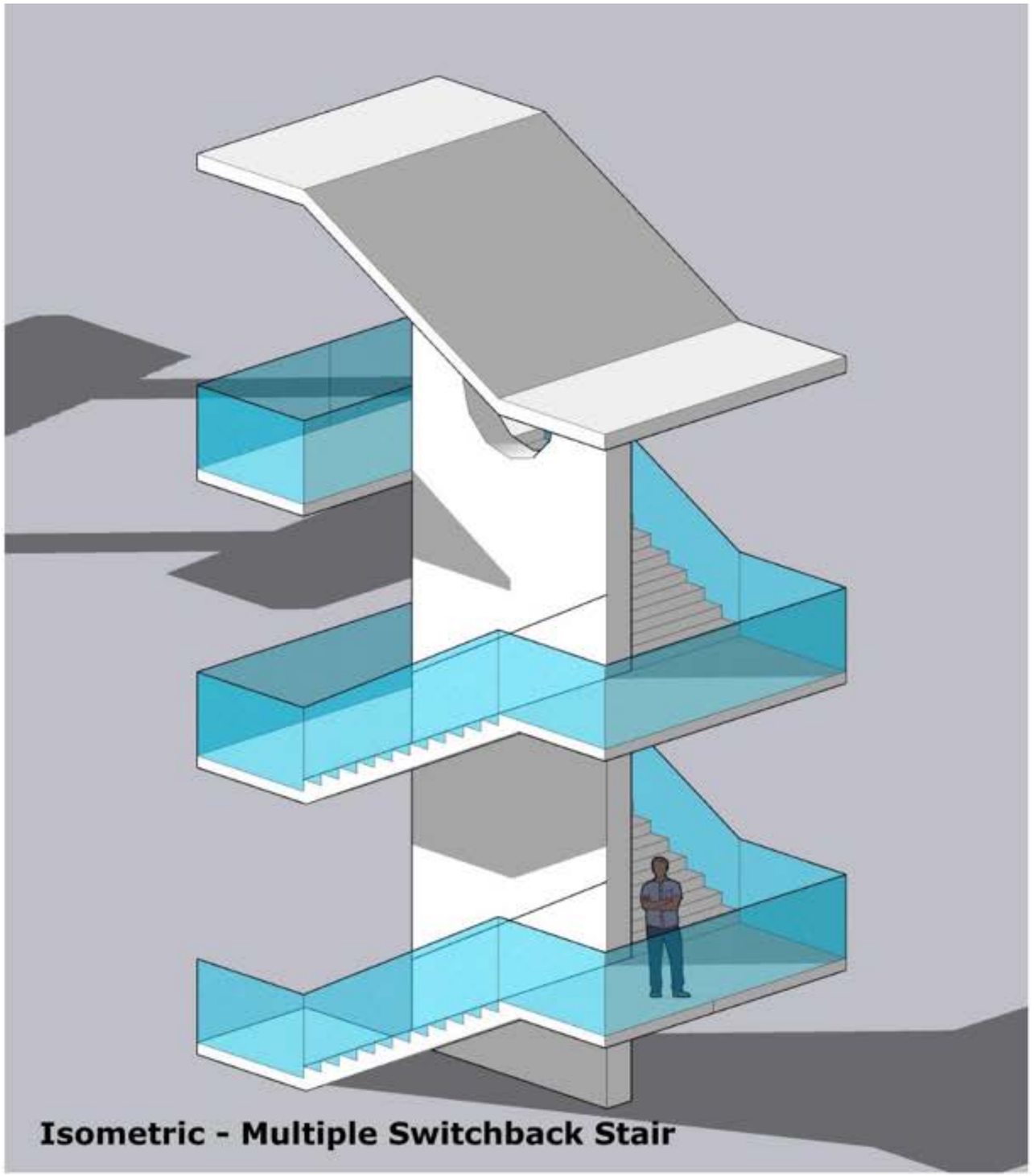
Stairs



Plan - Multiple Switchback Stair



Elevation - Multiple Switchback Stair



Isometric - Multiple Switchback Stair

Elevators

Advantages

1. Provides Accessibility
2. Small Footprint
3. Can accommodate bicycles, strollers, or wheelchairs
4. Minimal waiting (Only two stops)
5. Reduces walking or climbing

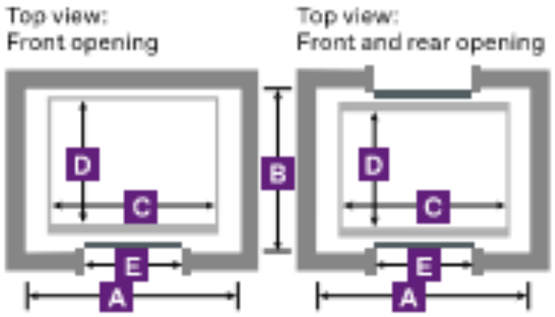
Disadvantages

1. Not a Means of Egress
2. Requires power and maintenance
3. Security must be addressed

Elevators

A Hoistway width
B Hoistway depth
C Inside clear width
D Inside clear depth
E Door clear width
F Inside clear height
G Door clear height
O Minimum overhead
P Minimum pit depth
S Safety beam
T Travel

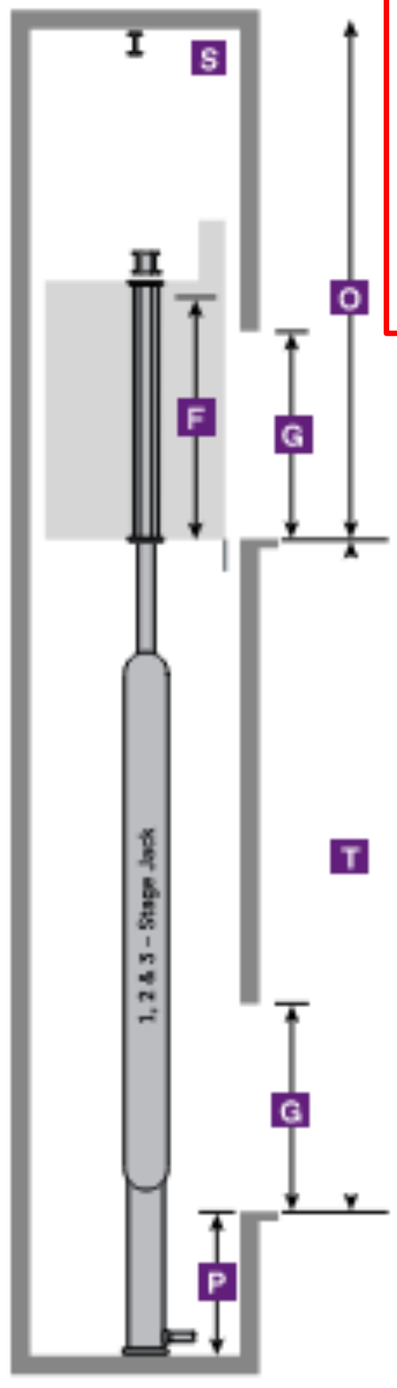
One-speed center opening doors



Passenger elevator						
Capacity (lbs)	1-and 2-Stage Hoistway [2,9] A x B	3-stage Hoistway [8] A x B	Front / rear	Inside clear C x D	Door type	Door width E
2100 [3]	7'-4" x 5'-9"	7'-8" x 5'-9"	F	5'-8" x 4'-3"	One-speed	3'-0"
2100 [3]	7'-4" x 6'-8¼"	7'-8" x 6'-8¼"	F/R	5'-8" x 4'-3½"	One-speed	3'-0"
2500	8'-4" x 5'-9"	8'-8" x 5'-9"	F	6'-8" x 4'-3"	One-speed	3'-6"
3000 [4]	8'-4" x 7'-2¾"	8'-8" x 7'-2¾"	F/R	6'-8" x 4'-9½"	One-speed	3'-6"
3500 [4]	8'-4" x 6'-11"	8'-8" x 6'-11"	F	6'-8" x 5'-5"	One-speed	3'-6"
3500 [4]	8'-4" x 7'-10¾"	8'-8" x 7'-10¾"	F/R	6'-8" x 5'-5½"	One-speed	3'-6"
4000 [4]	9'-4" x 6'-11"	9'-8" x 6'-11"	F	7'-8" x 5'-5"	One-speed	3'-6"/4'-0"
4000 [4]	9'-4" x 7'-10¾"	9'-8" x 7'-10¾"	F/R	7'-8" x 5'-5½"	One-speed	3'-6"/4'-0"

Must be 3500# or larger to be Stretcher Compliant

Side view
Front opening



Minimum Elevator shaft outside dimension is 9'-8" x 8'-6 ½". The assumed foundation size for this elevator shaft is 2'-6" larger that the shaft in all directions. With this size the foundation size is **14'-8" x 13'-6 ½".** Note that the top of the foundation is a minimum 48" below grade and is 2'-0" thick.

F Inside clear height: 7'-4" [5]

G Door clear height: 7'-0"

O Minimum overhead:

Up to 100 fpm:	Over 100 fpm:
1-Stage – 12'-2"	**1-Stage** – 12'-5"
2-Stage – 12'-8"	**2-Stage** – 12'-8"
3-Stage – 12'-11"	**3-Stage** – 12'-11"

P Minimum pit depth: 4'-0" [6]

T Max travel possible: [1]
1-Stage: Up to 100 fpm – 18'-11"
Over 100 fpm – 18'-8"
2-Stage: 28'-6"
3-Stage: 48'-3½"

S Safety beam required per OSHA 1926.502 [7]

Elevators

Considerations

1. Hydraulic Elevators are the most economical for low rise applications
2. Although elevator speeds are lower with hydraulic elevators, with only two stops and 24’ of travel, speed is not a critical factor
3. Elevators above 3500# are Stretcher Compliant for Emergency Responders
4. Hydraulic Elevators have fewer moving parts than Traction MRL elevators with easier installation and reduced maintenance costs.
5. Modern Hydraulic Elevators are available with Machine room-less applications
6. Available with twin post above ground jack applications. (No below grade Hydraulic Jack configuration)
7. Utilizes Biodegradable Hydraulic Fluid or can utilize vegetable-based hydraulic fluid.

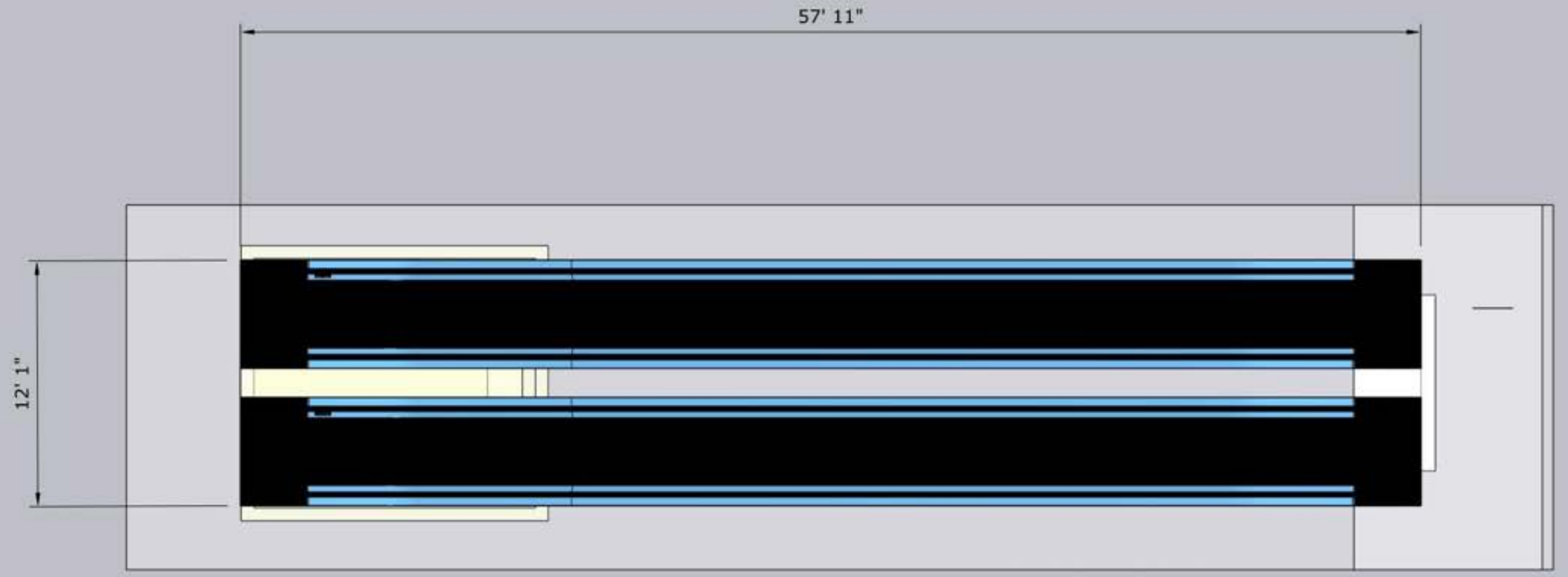
Escalators

Advantages

1. High Capacity
2. No waiting
3. Reduces walking or climbing

Disadvantages

1. Not Accessible or a Means of Egress
2. Requires both an Up and Down Escalator (2)
3. Requires power and maintenance
4. Cannot handle bicycles, strollers or wheelchairs
5. Requires a canopy
6. Larger footprint and only works in linear configuration
7. Most expensive of the options

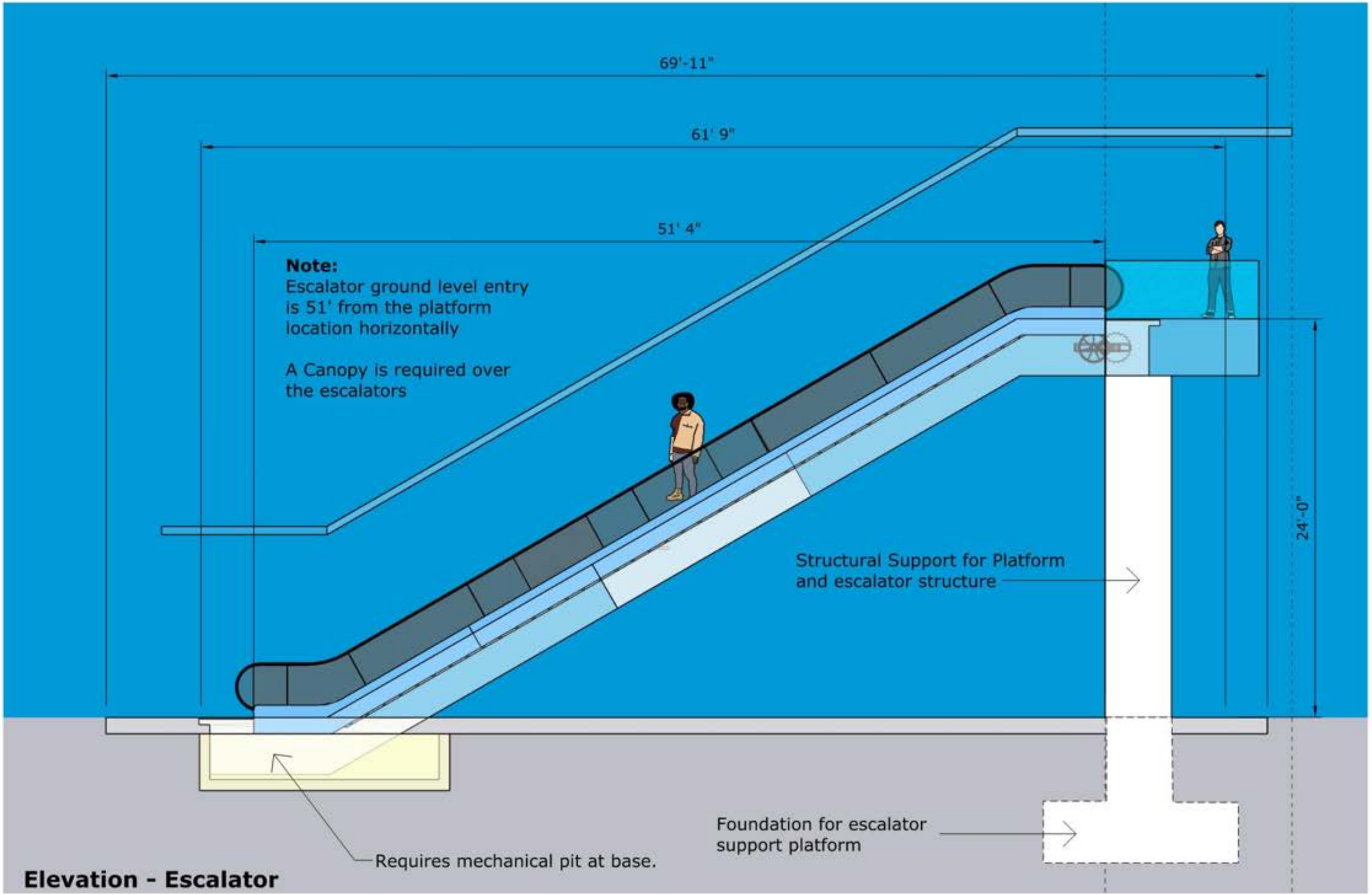


Note
Both up and down escalators are required

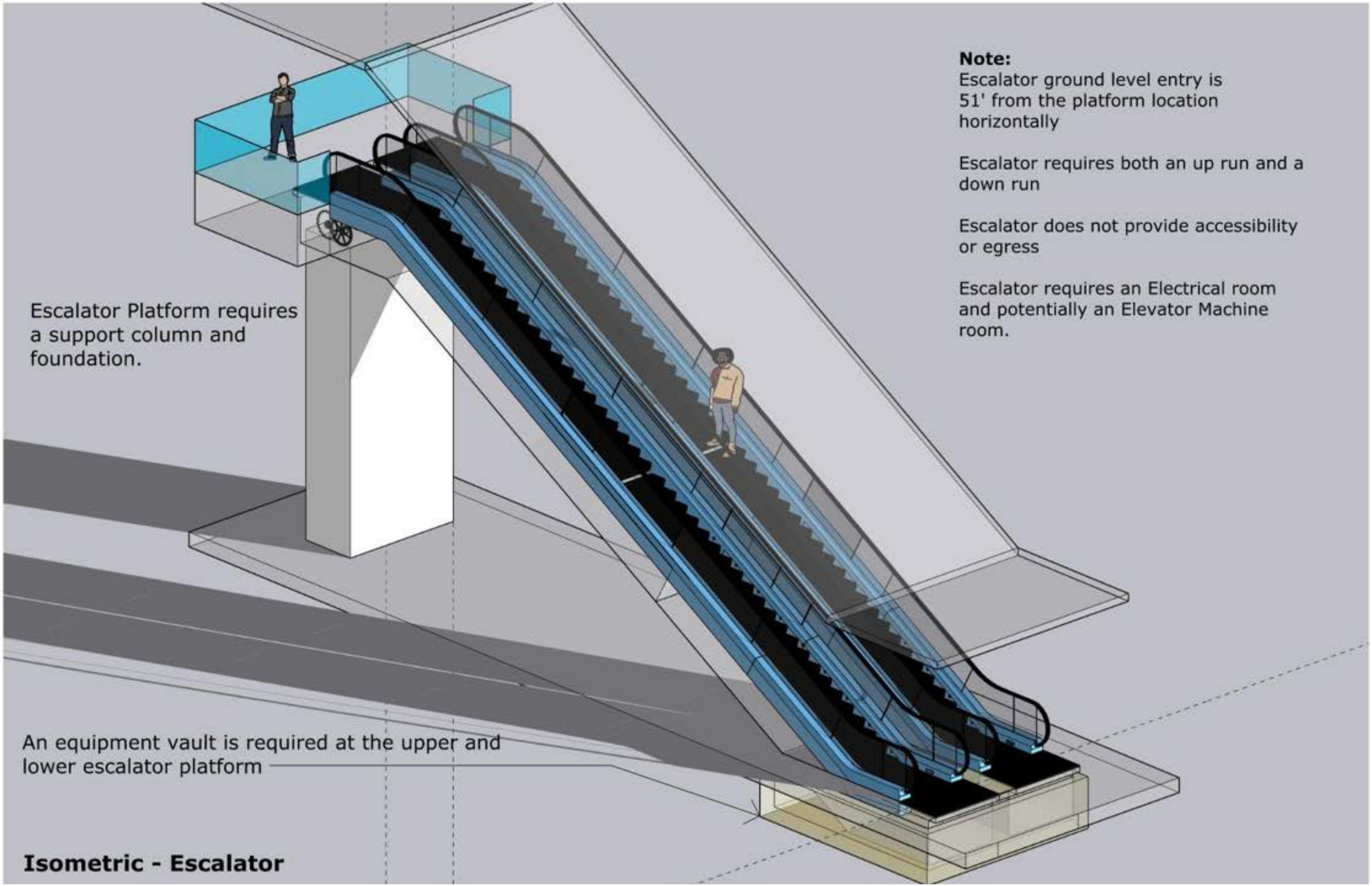
Escalators do not provide egress or accessibility

A Canopy is required over the escalators

Plan - Escalator



Elevation - Escalator


Escalator Platform requires a support column and foundation.
Note:
Escalator ground level entry is 51' from the platform location horizontally
Escalator requires both an up run and a down run
Escalator does not provide accessibility or egress
Escalator requires an Electrical room and potentially an Elevator Machine room.
An equipment vault is required at the upper and lower escalator platform
Isometric - Escalator

VERTICAL CIRCULATION COMPARISON MATRIX

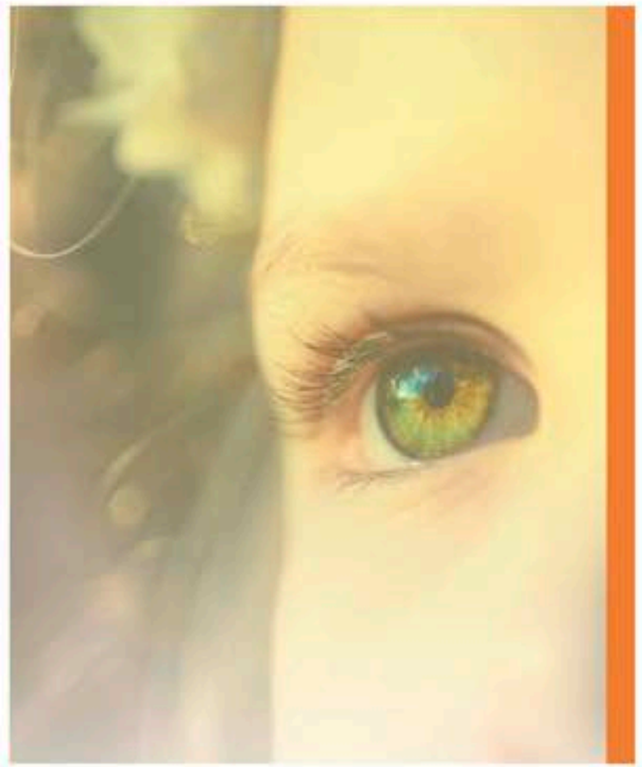
(Lower score is better)

	AREA REQUIRED			FOUNDATION SIZE	MEANS OF EGRESS		ACCESSIBILE		COST	OPERATING COST		POWER REQ.		HORIZONTAL TRAVEL DISTANCE		SCORE
		Largest Area =4 Smallest Area=1			Yes=0 No=1		Yes=0 No=1		1=Lowest 4=Highest	Yes=1 No=0		Yes=1 No=0		1=Lowest 4=Highest		
RAMP	8' X 343' 18' X 96'	2744 sf 1728 sf	4	(3) 12' X 12'	YES	0	YES	0	2	NO	0	NO	0	343'	3	9
STAIR	6' X 63' 13'-4" X 27' 13'4" X 23'	378 sf 360sf 307sf	2	12' X 17'	YES	0	NO	1	1	NO	0	NO	0	52'	2	**6**
ELEVATOR	11'-4" X 11'-4"	128 sf	1	16' X 16' X 2'	NO	1	YES	0	3	YES	1	YES	1	0'	1	**7**
ESCALATOR (pair)	11' X 60'	660 sf	3	15' X 64'	NO	1	NO	1	4	YES	1	YES	1	0'	1	11

NOTES

1 Must include one Accessible means of access at each intersection.
2 Must include at least two means of egress on the bridge. (preferably one at each corner of the intersection.
3 A ramp will meet both the need for Egress as well as the need for Accessibility.
4 An escalator does not meet the need for Accessibility or Egress

The lowest scoring options are either the Ramp at all four corners, which meets all requirements, or the combination of a stair and an elevator which also meets all project requirements.



Meeting Number Two

Site Considerations

ORANGE COUNTY GOVERNMENT FLORIDA

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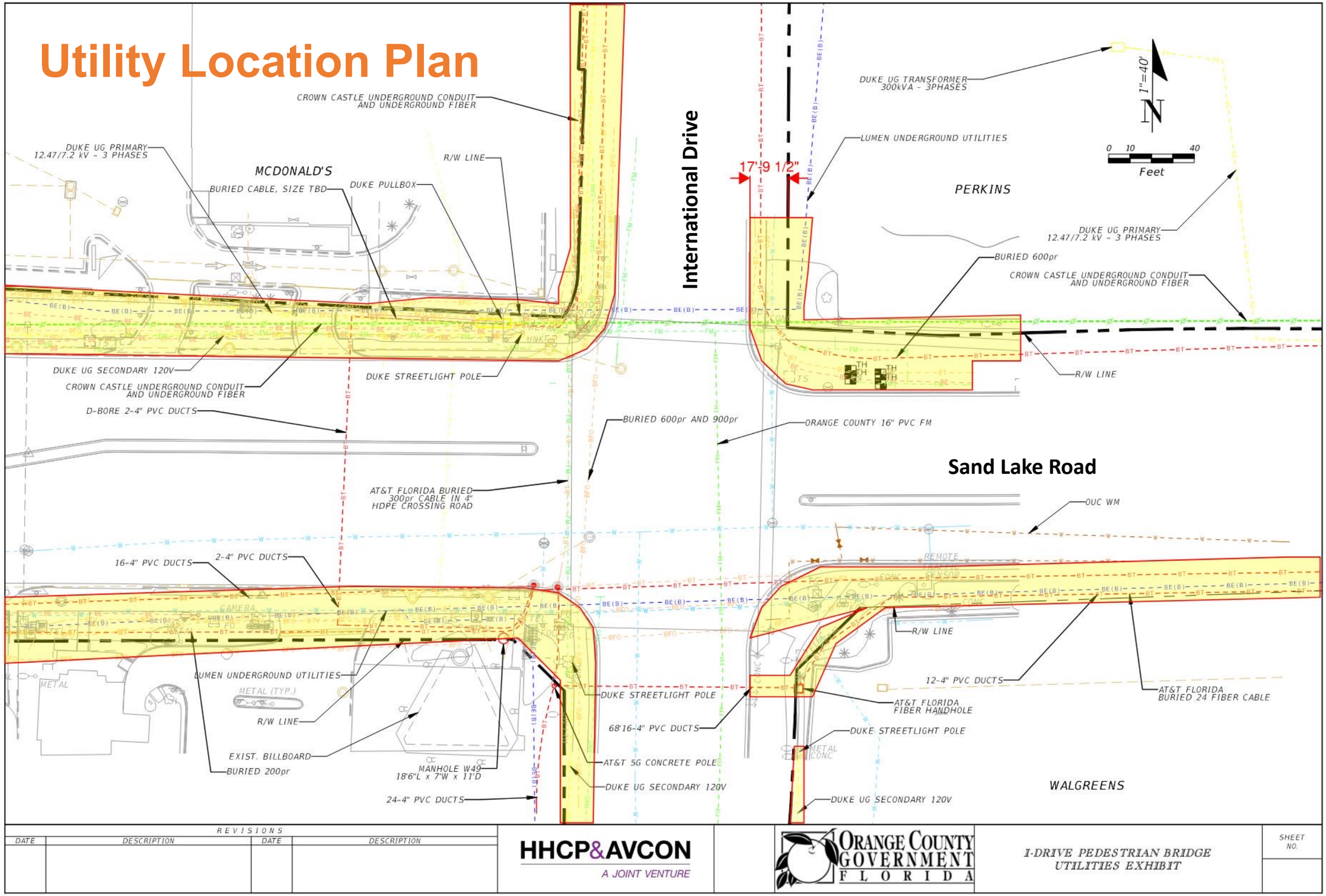
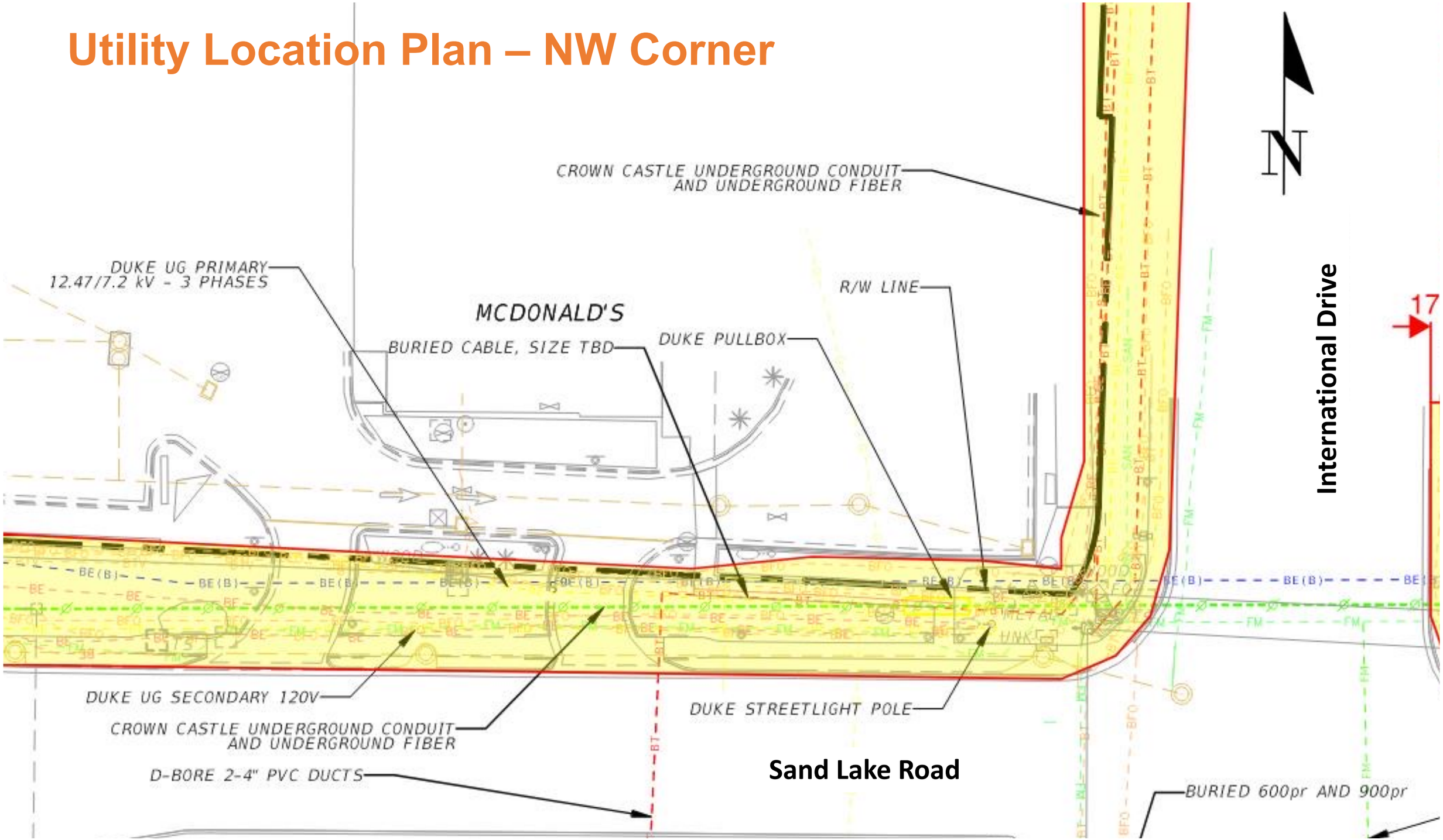
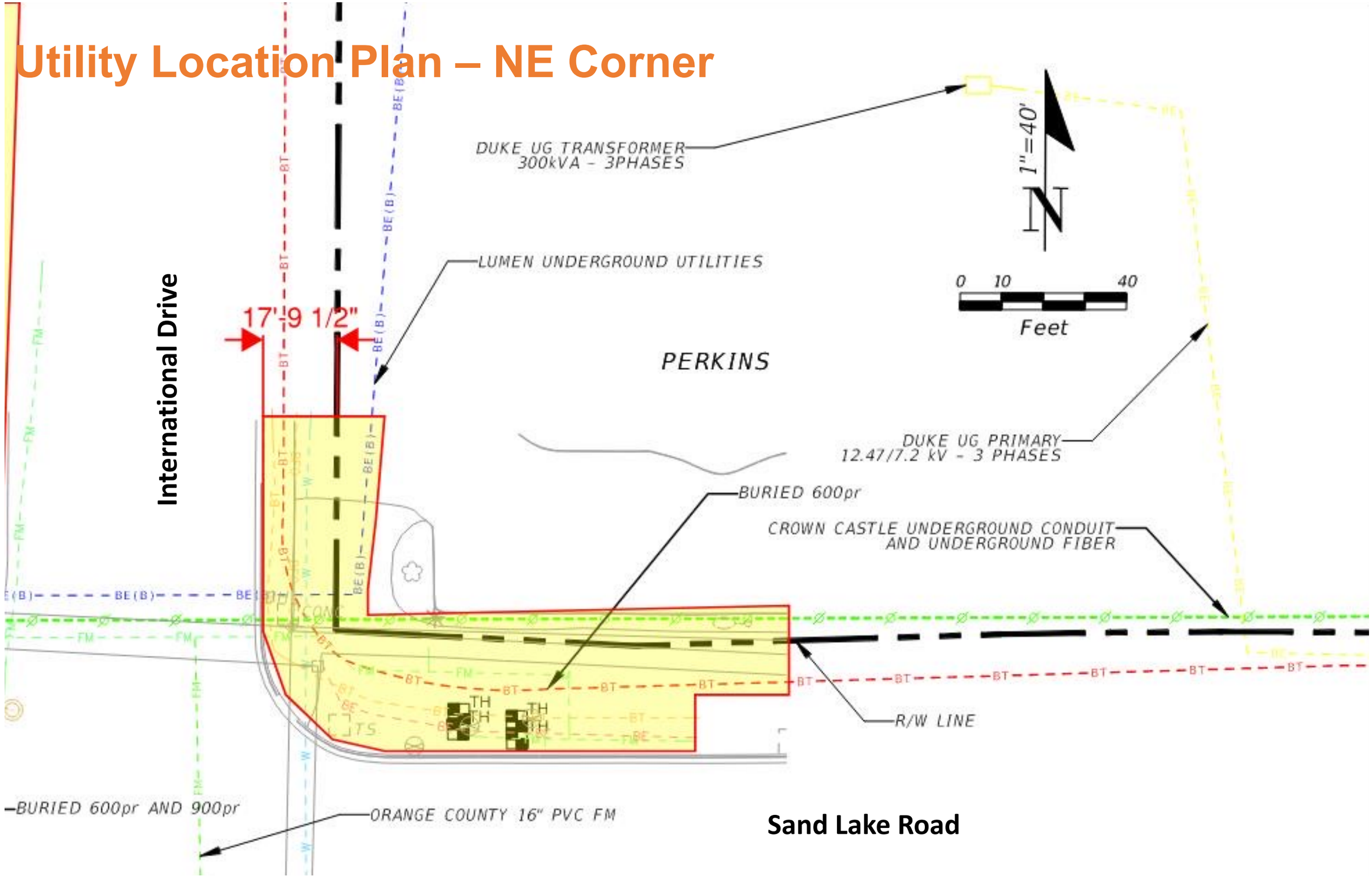
Utility Location Plan



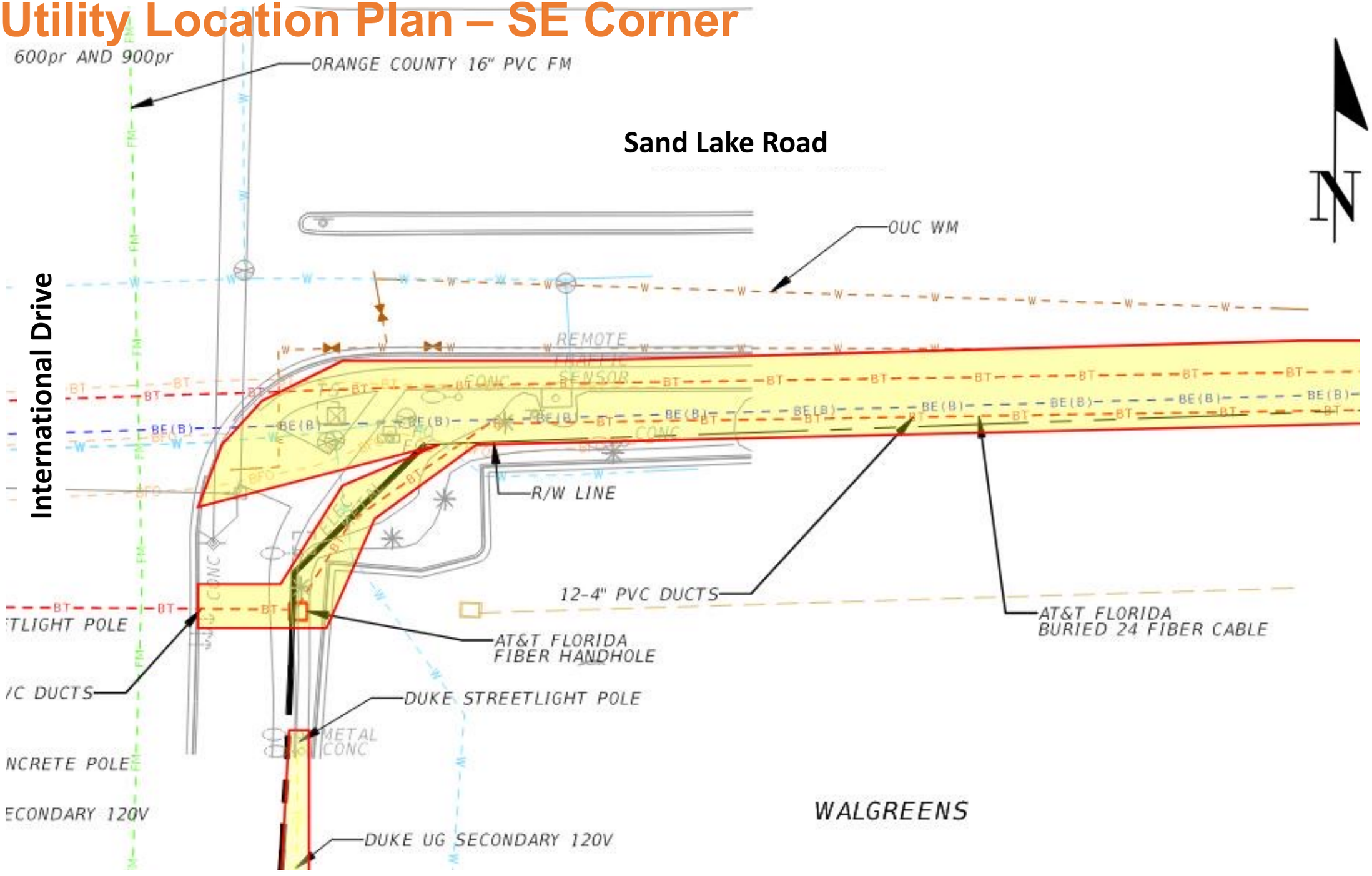
Utility Location Plan – NW Corner



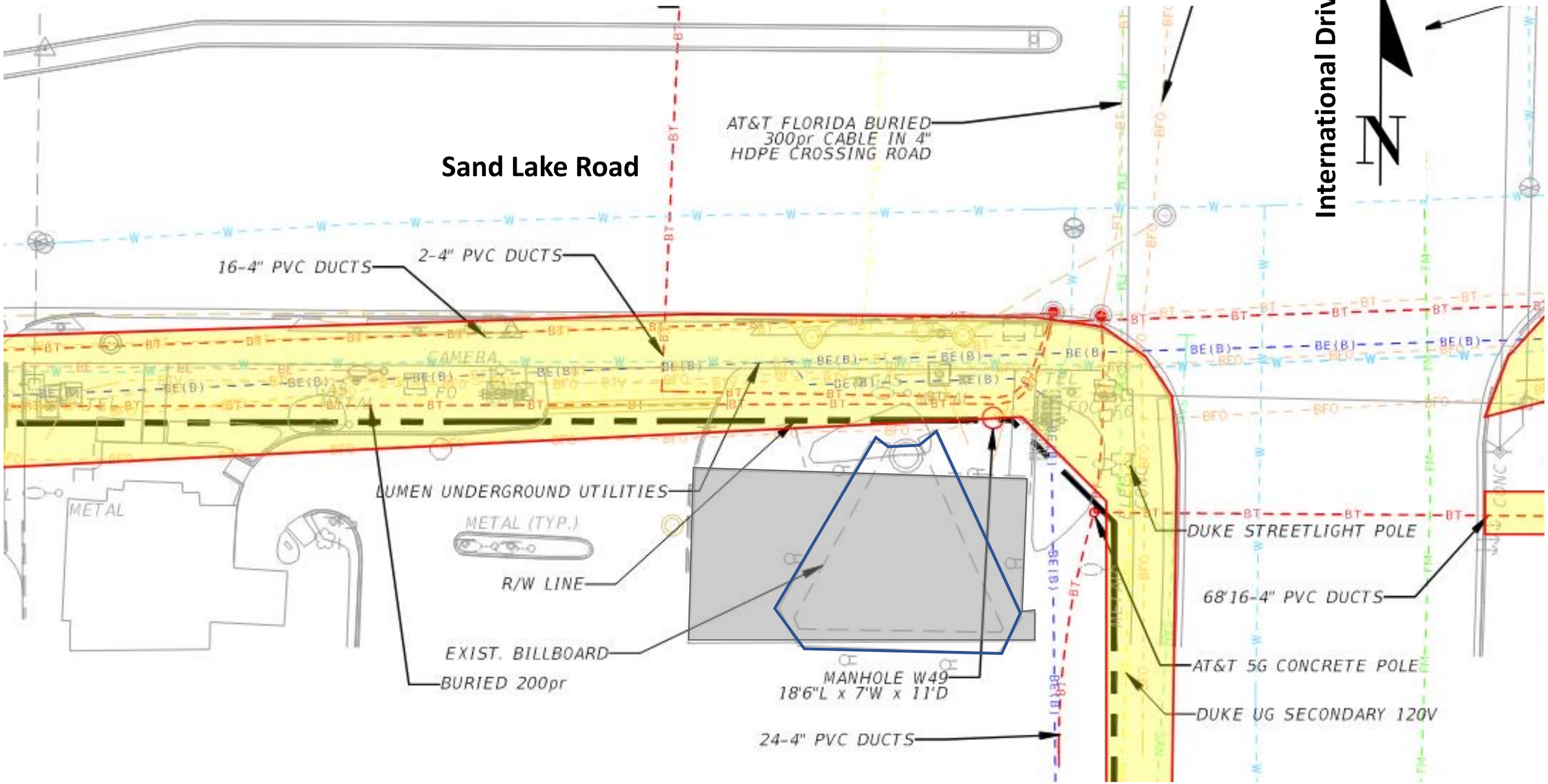
Utility Location Plan – NE Corner



Utility Location Plan – SE Corner



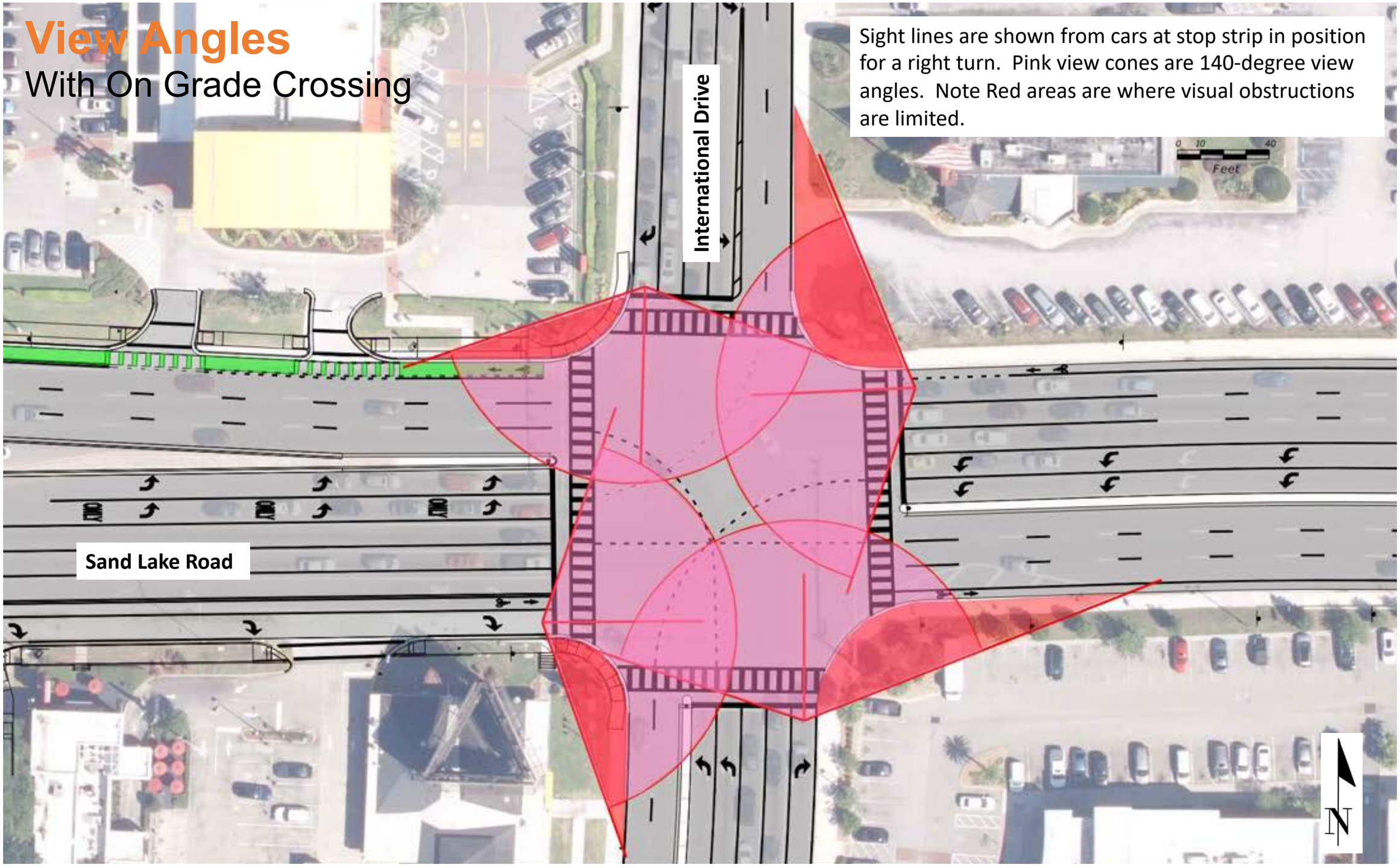
Utility Location Plan – SW Corner



View Angles

With On Grade Crossing

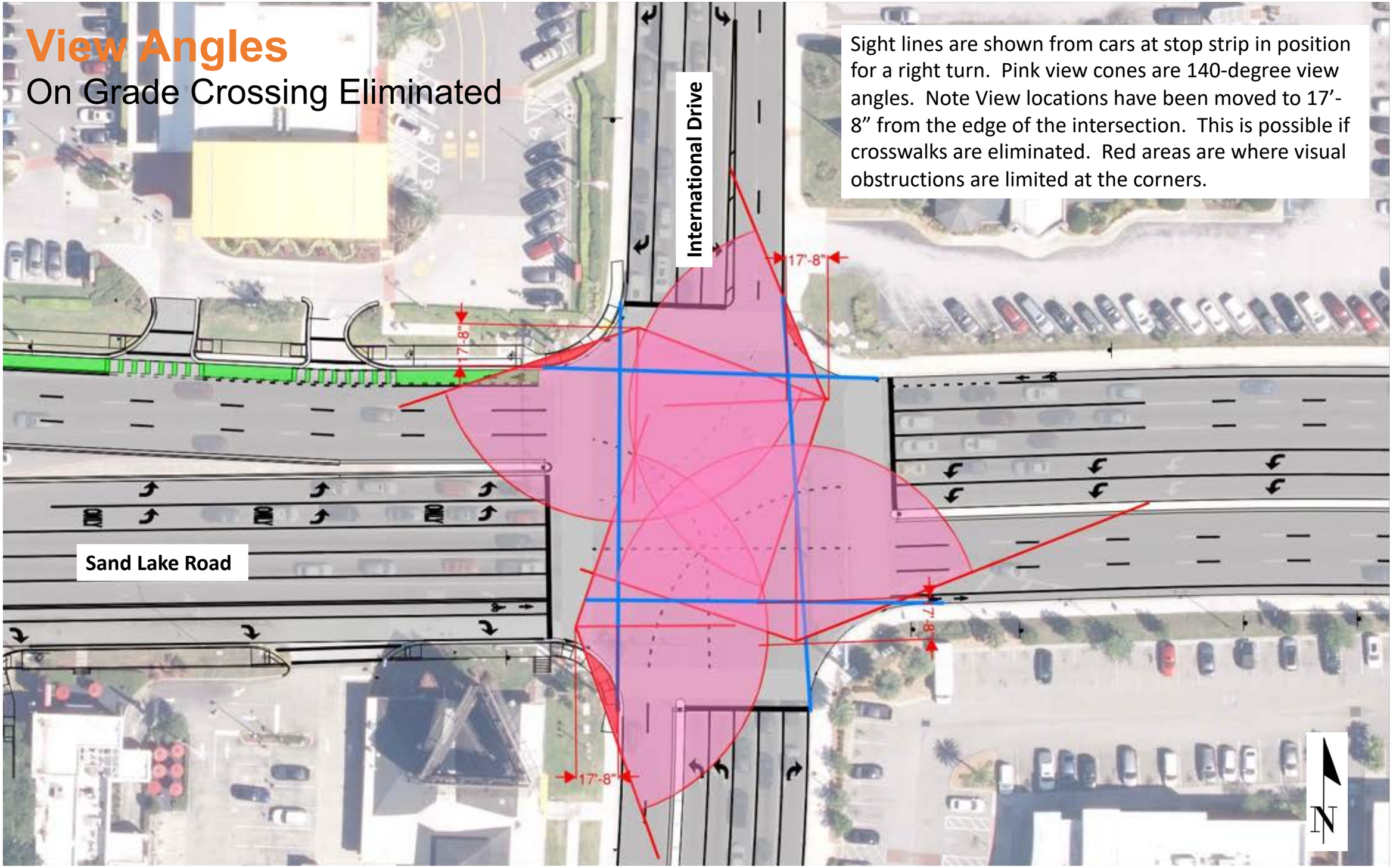
Sight lines are shown from cars at stop strip in position for a right turn. Pink view cones are 140-degree view angles. Note Red areas are where visual obstructions are limited.

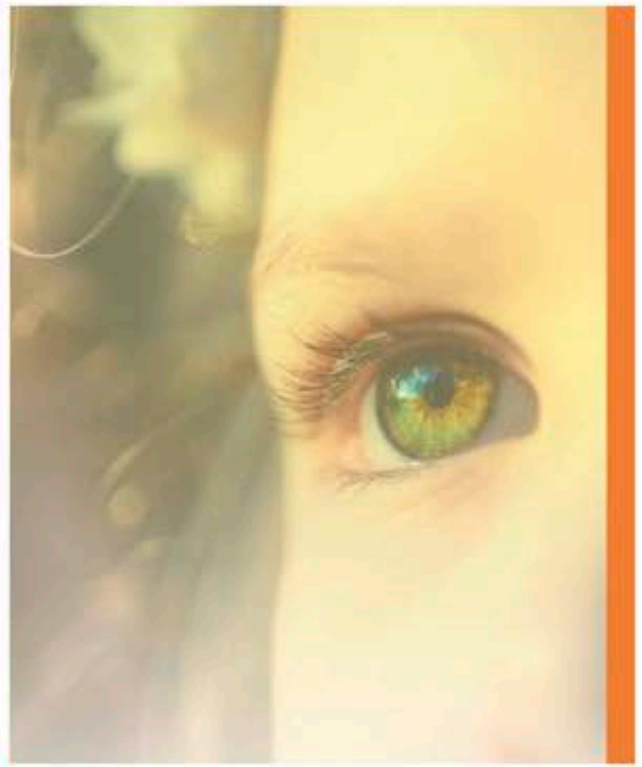


View Angles

On Grade Crossing Eliminated

Sight lines are shown from cars at stop strip in position for a right turn. Pink view cones are 140-degree view angles. Note View locations have been moved to 17’-8” from the edge of the intersection. This is possible if crosswalks are eliminated. Red areas are where visual obstructions are limited at the corners.





Meeting Number Two

Bridge Tower Configurations

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Bridge Tower Option 1

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

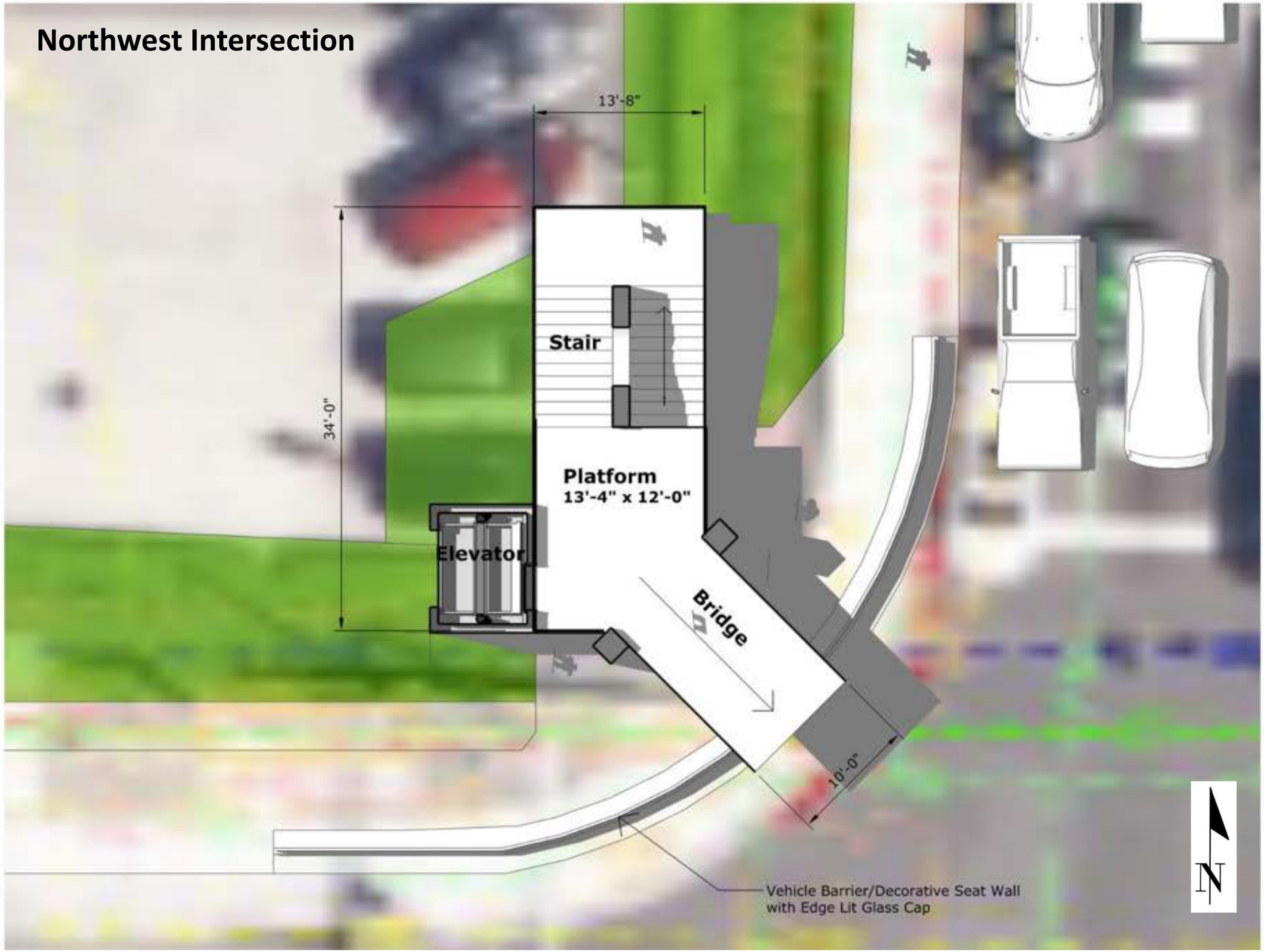
The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 35' x 28'

Summary

Ground Floor Platform	160sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	470sf
Bridge Width	10'-0"

Northwest Intersection



Bridge Tower Option 1

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 4' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 22' x 24'

Glass Back Elevator provides additional Safety and creates a visual feature

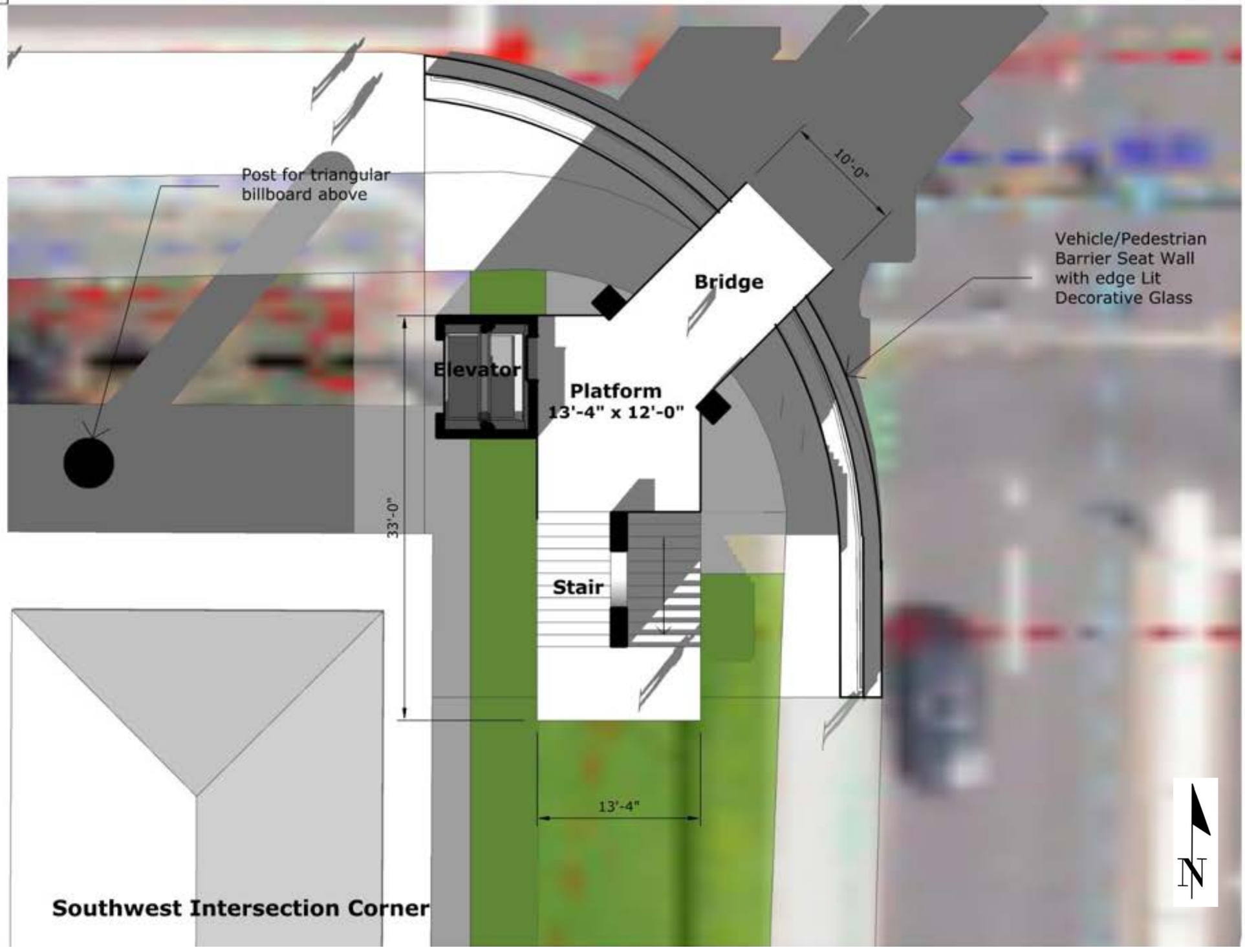
Seat bench barrier and protective screen wall protects pedestrians and prevents on grade crossing.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	506sf
Bridge Width	10'-0"

Bridge Tower Option 1



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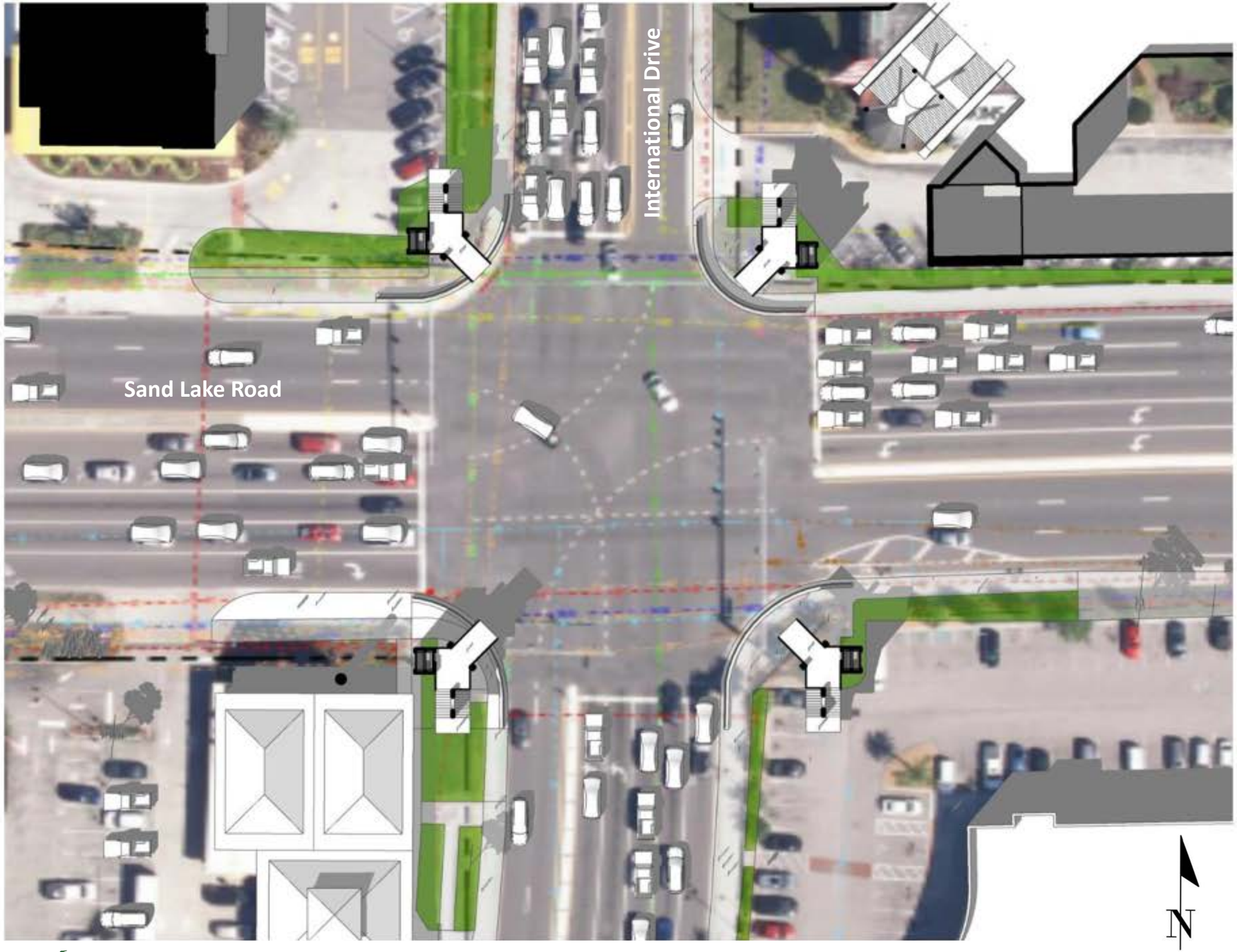

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Description

A very inviting stair traversing 24'-0" in height. Each stair run is 4' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 22' x 24'

Glass Back Elevator provides additional Safety and creates a visual feature

Seat bench barrier and protective screen wall protects pedestrians and prevents on grade crossing.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	506sf
Bridge Width	10'-0"

Bridge Tower Option 1

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

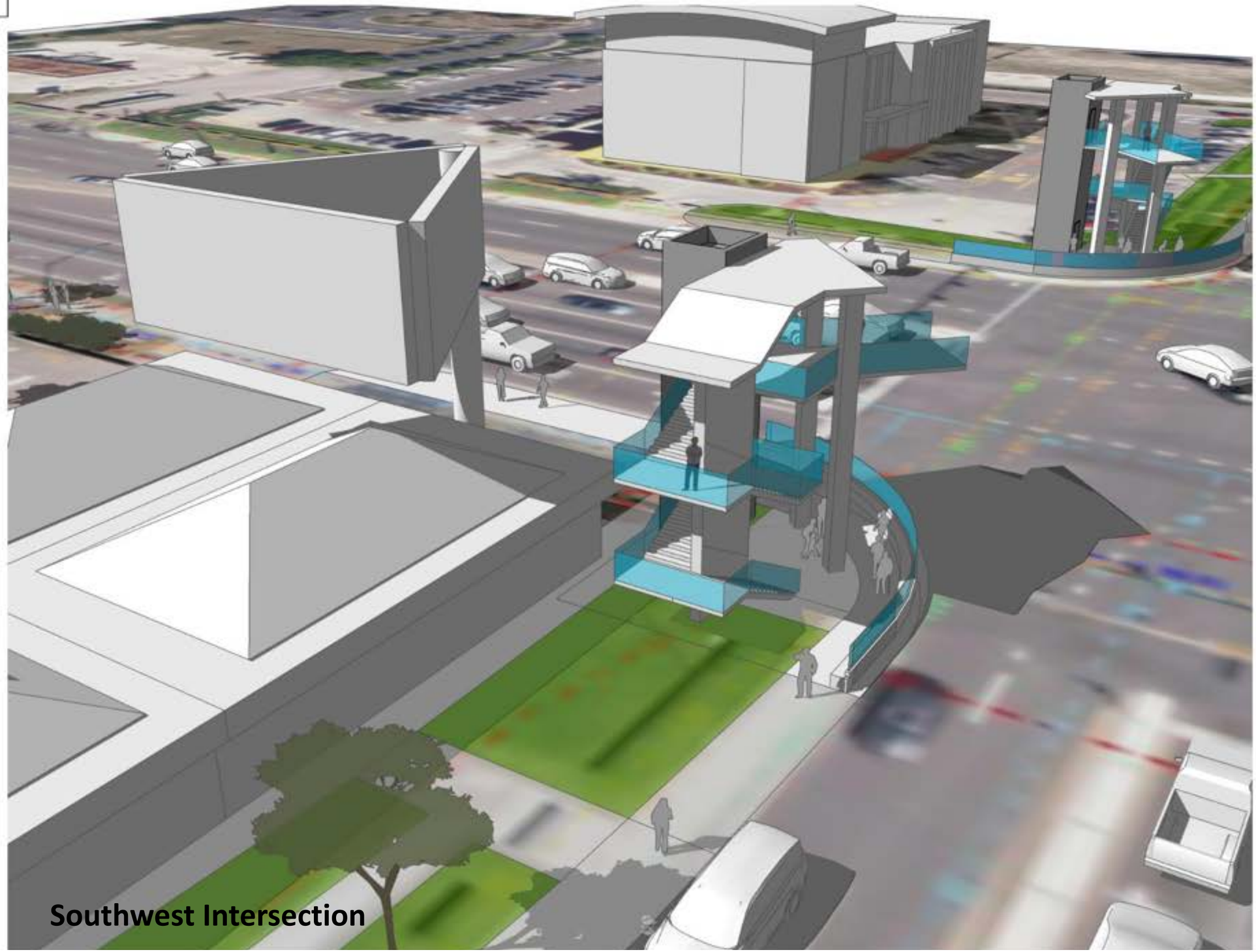
The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 35' x 28'

Crosswalks have been removed.

Summary

Ground Floor Platform	160sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	470sf



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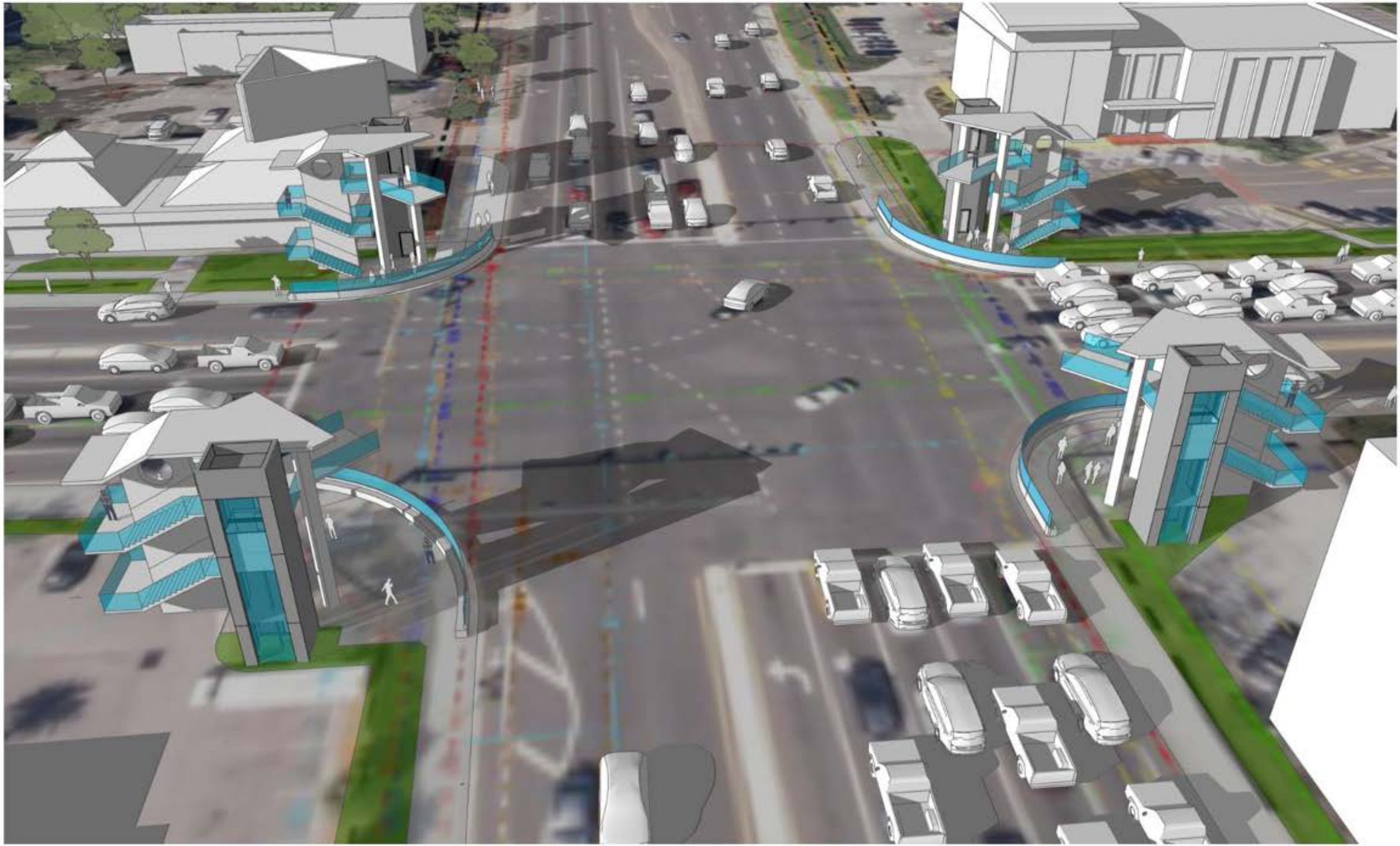

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Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

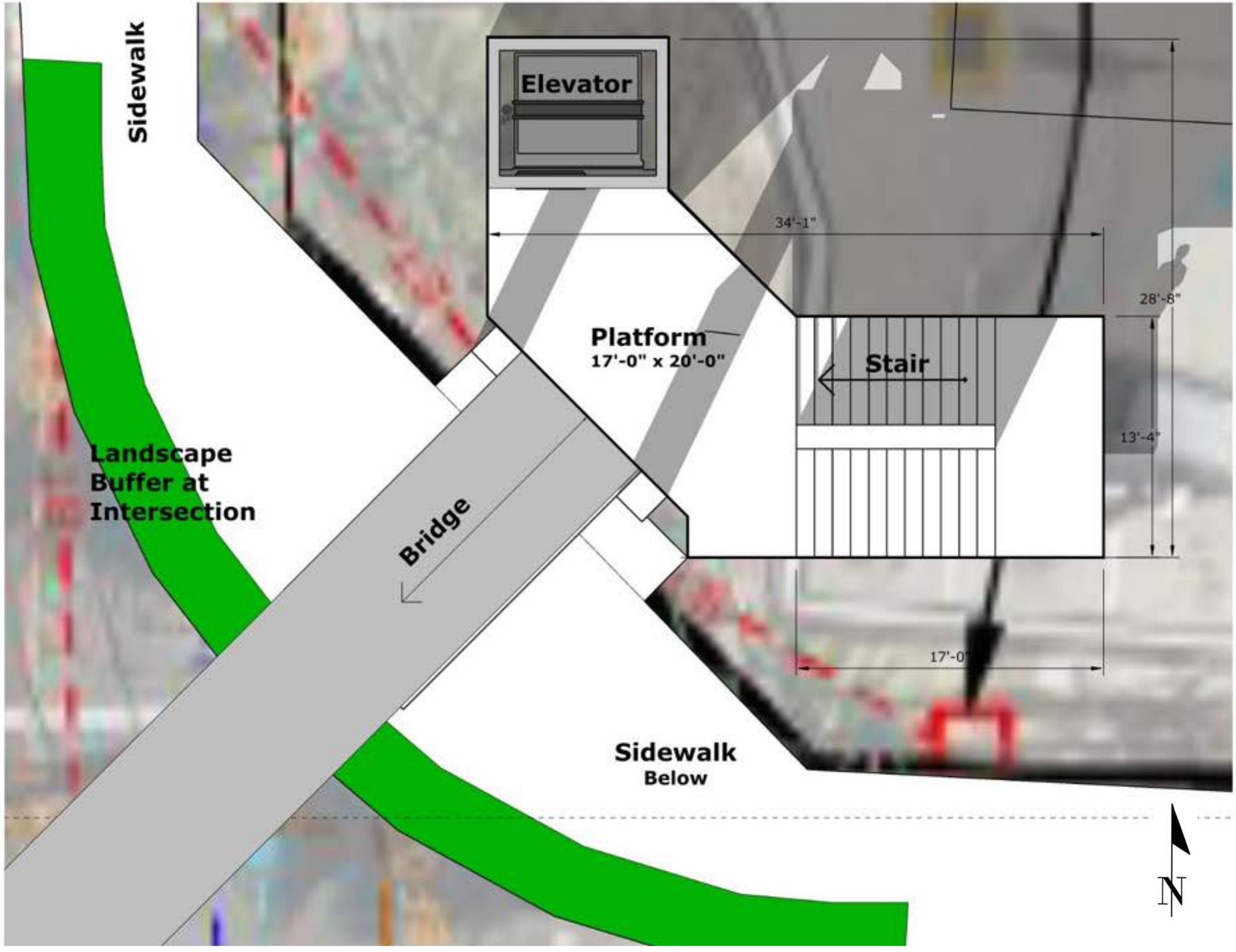
The overall site area required for this configuration is 35' x 28'

Crosswalks have been removed.

Summary

Ground Floor Platform	160sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	470sf

Bridge Tower Option 2



Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

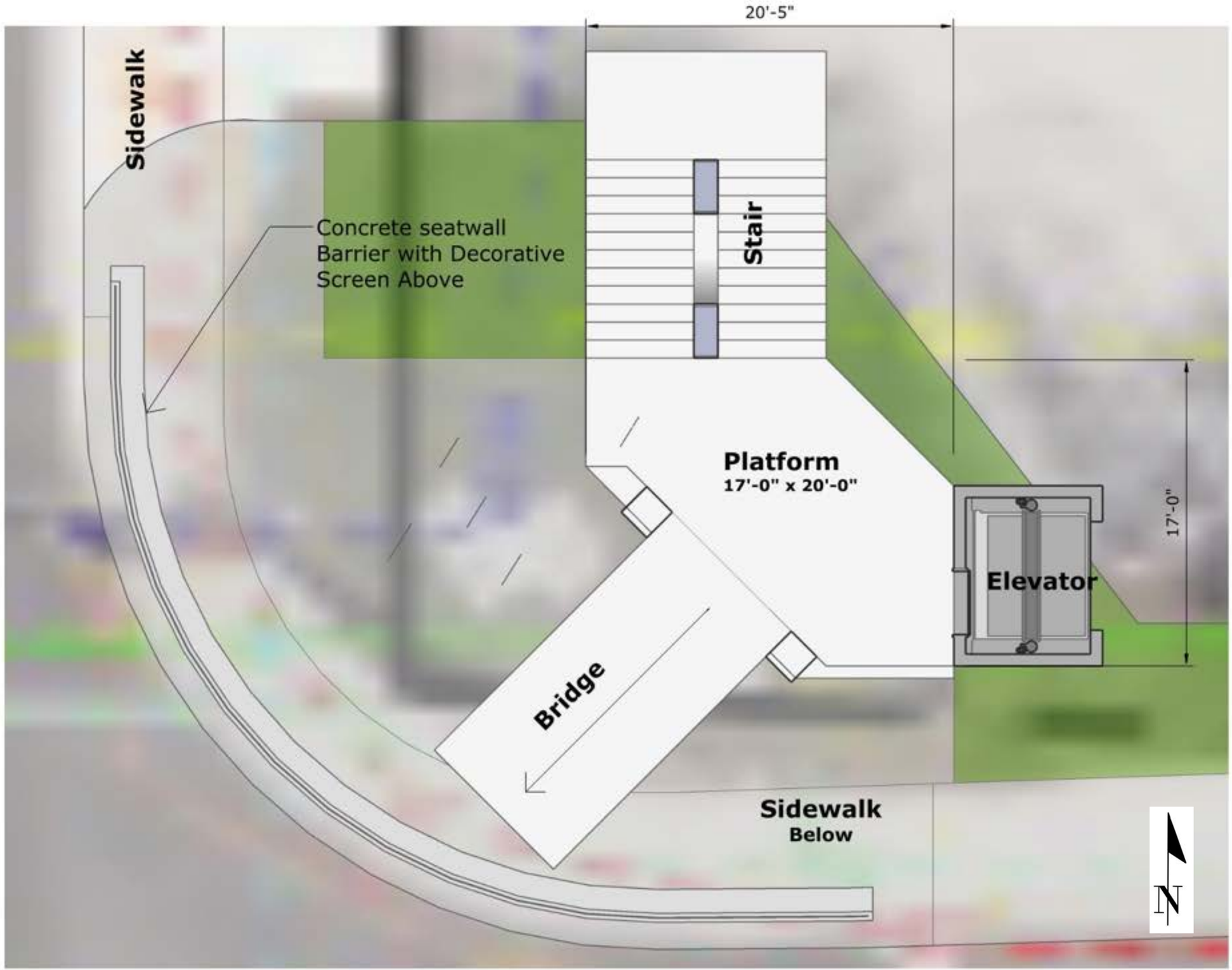
The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 35' x 40'

Crosswalks have been removed.

Summary

Ground Floor Platform	221sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	531sf
Bridge Width	10'-0"



Bridge Tower Option 2

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

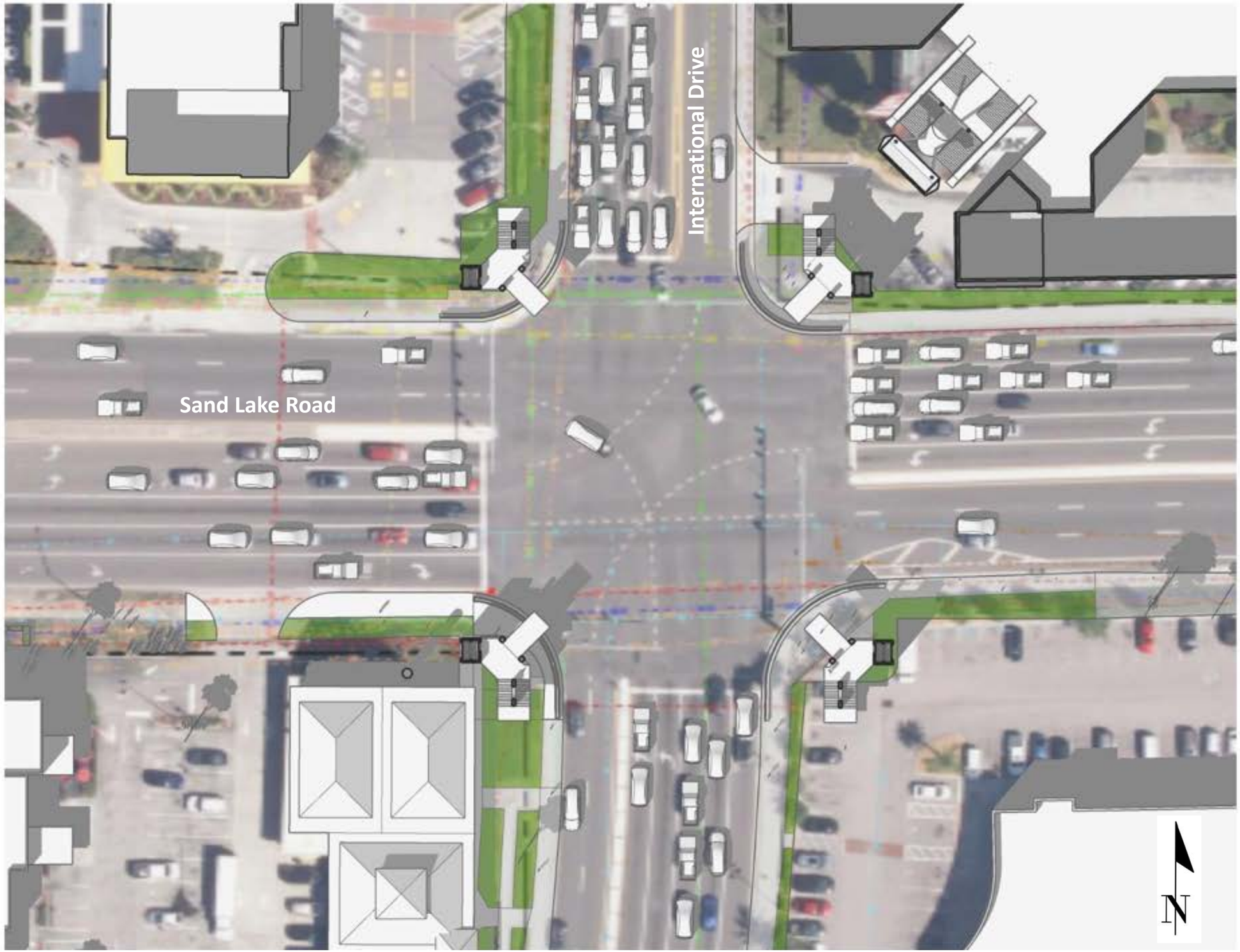
The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 35' x 40'

Crosswalks have been removed.

Summary

Ground Floor Platform	221sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	531sf
Bridge Width	10'-0"



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The Elevator is 3500# capacity and is stretcher compliant

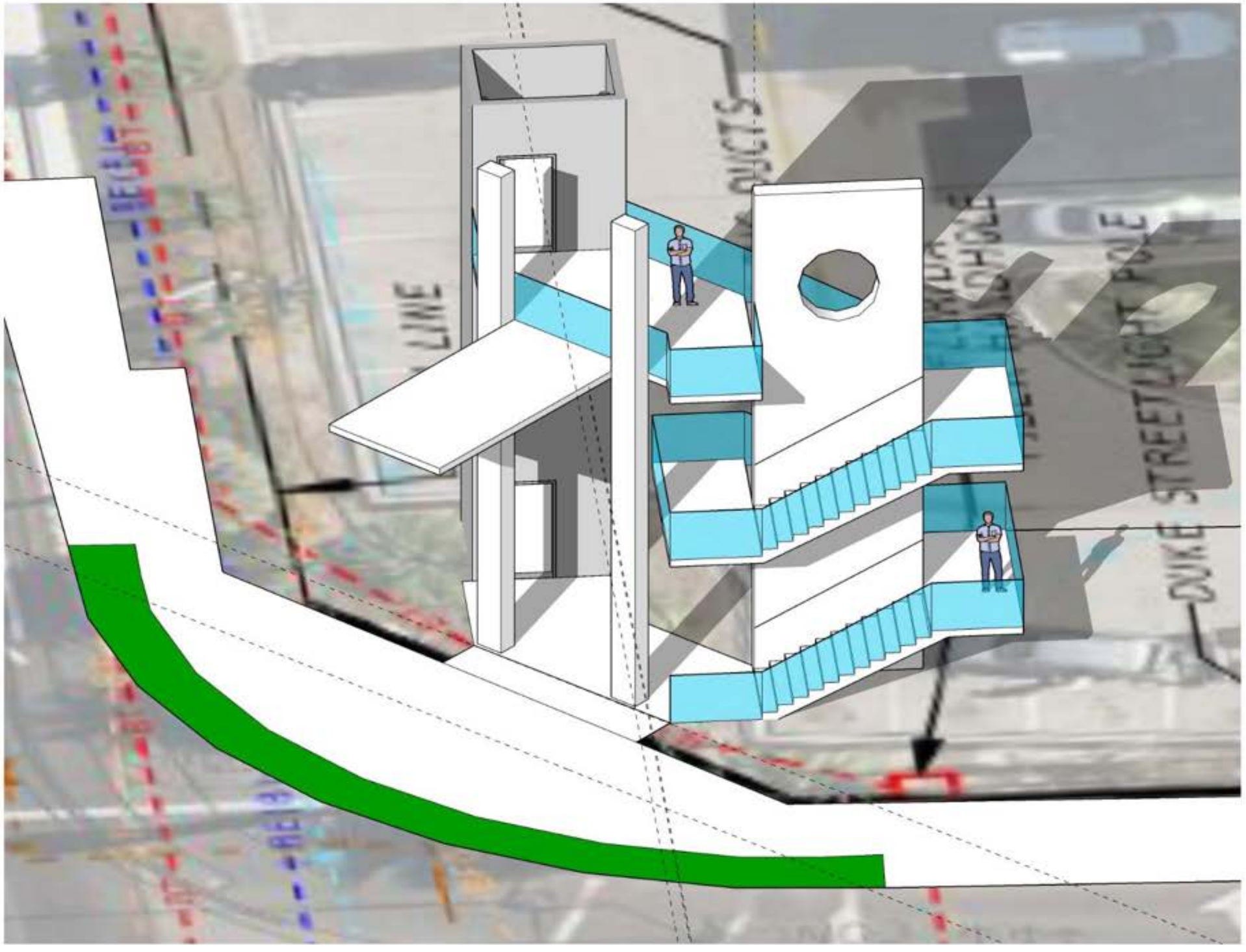
The overall site area required for this configuration is 35' x 40'

Crosswalks have been removed.

Summary

Ground Floor Platform	221sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	531sf
Bridge Width	10'-0"

Bridge Tower Option 2



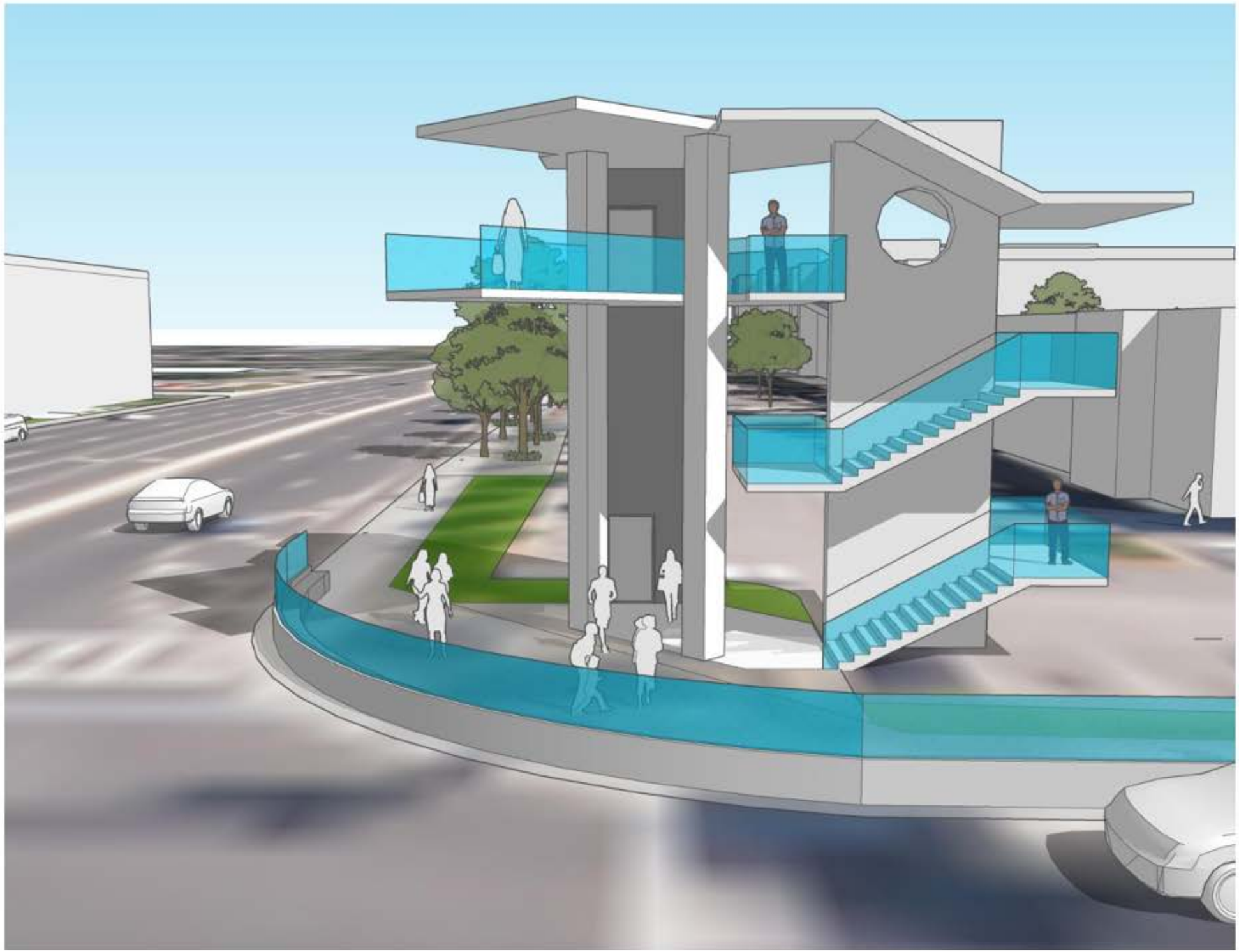
Summary

Ground Floor Platform	160sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	470sf

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.
The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 34' x 28'



Bridge Tower Option 2

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

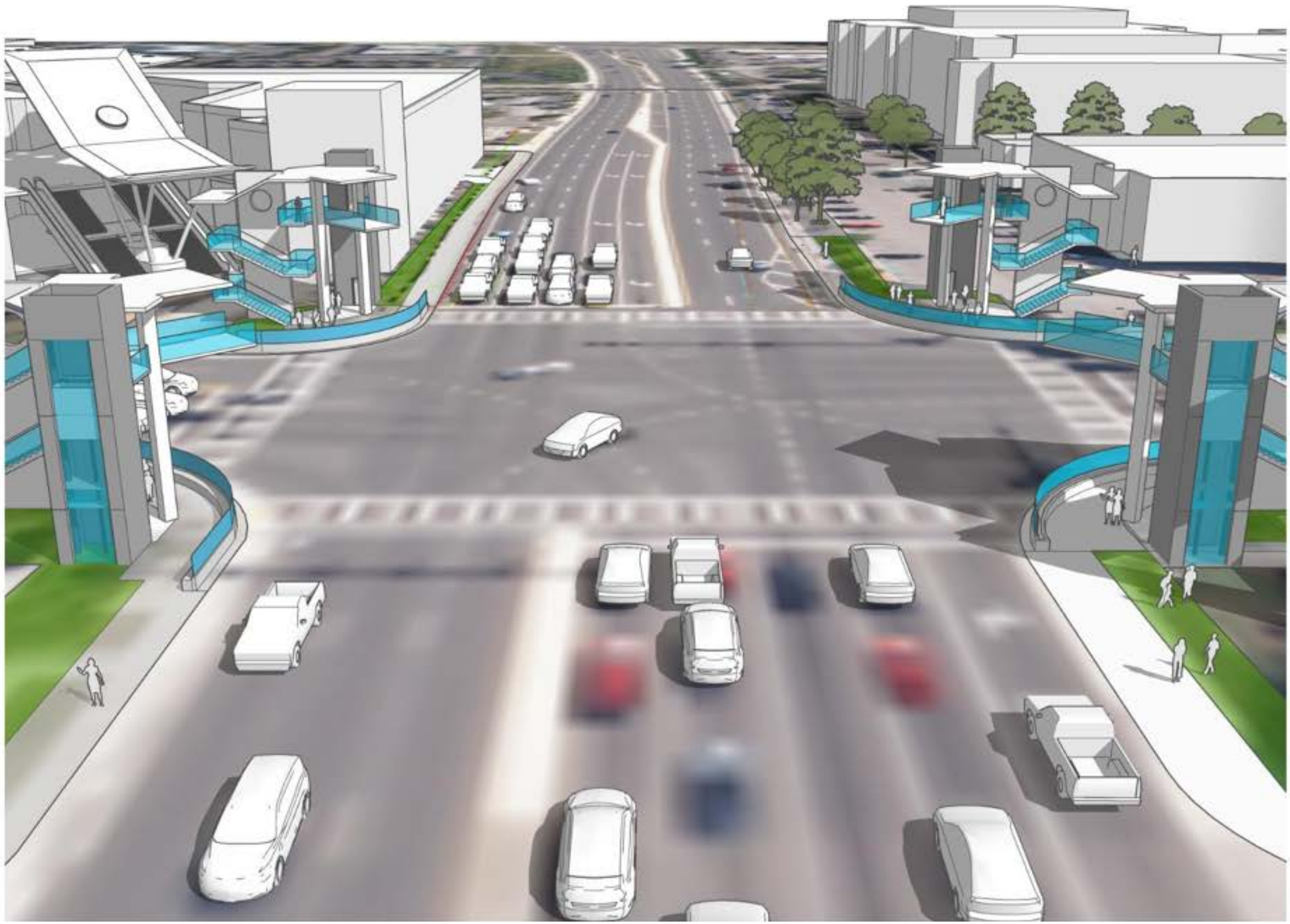
The overall site area required for this configuration is 35' x 40'

Crosswalks have been removed.

Summary

Ground Floor Platform	221sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	531sf
Bridge Width	10'-0"

Bridge Tower Option 2



Description

A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 35' x 40'

Glass back elevator shafts provide additional security and create an opportunity for feature lighting element.

Crosswalks have been removed.

Summary

Ground Floor Platform	221sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	531sf
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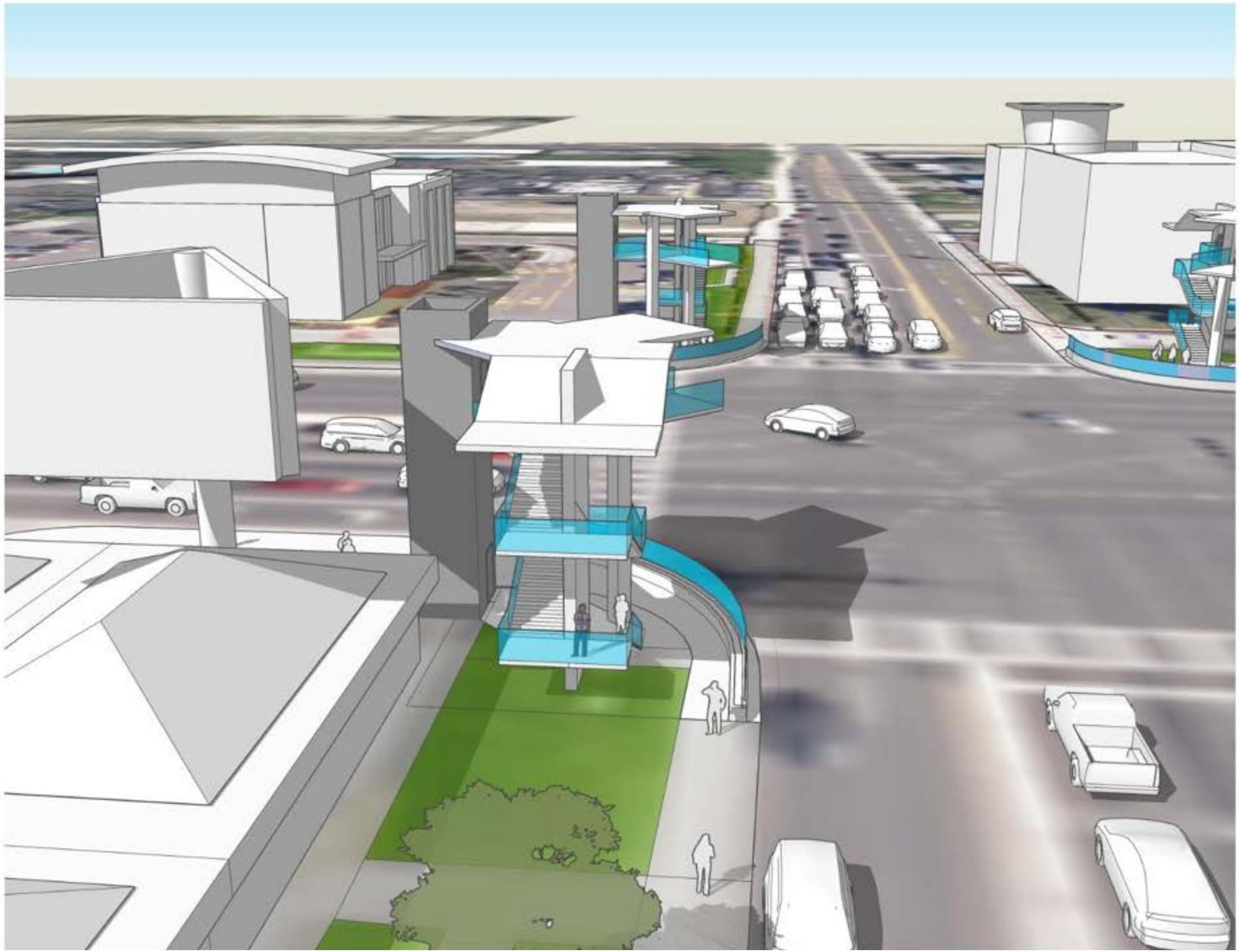

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A very inviting stair traversing 24'-0" in height. Each stair run is 6' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 35' x 40'

Glass back elevator shafts provide additional security and create an opportunity for feature lighting element.

Summary

Ground Floor Platform	221sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	531sf
Bridge Width	10'-0"

Bridge Tower Option 3

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 4' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 22' x 24'

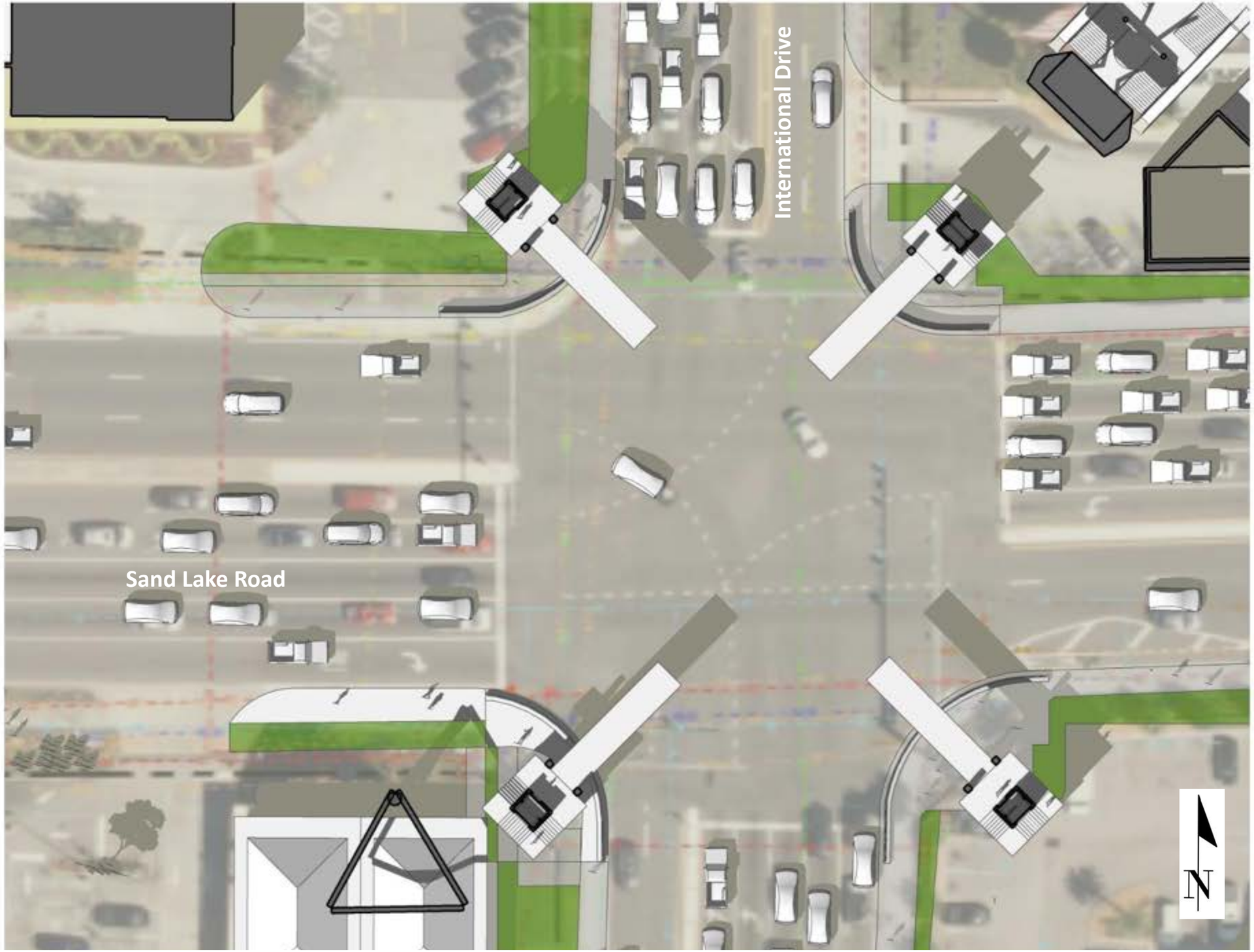
Glass Back Elevator provides additional Safety and creates a visual feature

Seat bench barrier and protective screen wall protects pedestrians and prevents on grade crossing.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	506sf
Bridge Width	10'-0"



Bridge Tower Option 3

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 4' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 22' x 24'

Glass Back Elevator provides additional Safety and creates a visual feature

Seat bench barrier and protective screen wall protects pedestrians and prevents on grade crossing. They also have potential to be a visual element accenting the bridge.

Crosswalks have been removed

Summary

Ground Floor Platform	192sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	506sf
Bridge Width	10'-0"

Bridge Tower Option 3

Description

A very inviting stair traversing 24'-0" in height. Each stair run is 4' rise. The treads are 12" and the risers are 6" for easy climbing.

The Elevator is 3500# capacity and is stretcher compliant

The overall site area required for this configuration is 22' x 24'

Glass Back Elevator provides additional Safety and creates a view of businesses at the associated corner.

Seat bench barrier and protective screen wall protects pedestrians and prevents on grade crossing.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
Total Ground Level Footprint	506sf
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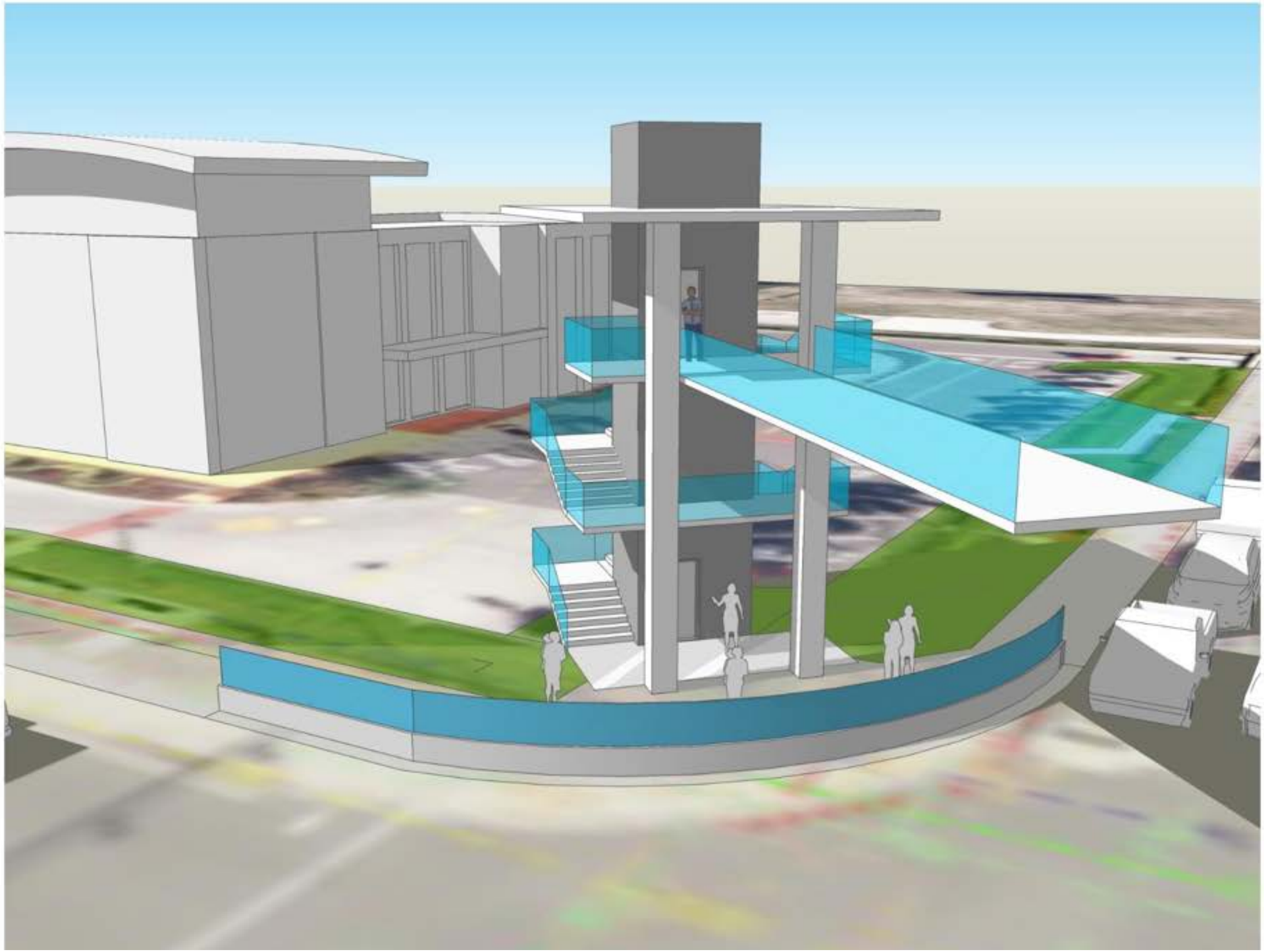

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The overall site area required for this configuration is 22' x 24'

Glass Back Elevator provides additional Safety and creates a view of the associated corner businesses.

Seat bench barrier and protective screen wall protects pedestrians and prevents on grade crossing.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Stair Width	6' Wide
Elevator Shaft	10' x 8'-4"
Elevator Cab Size	6'-8" x 5'-5"
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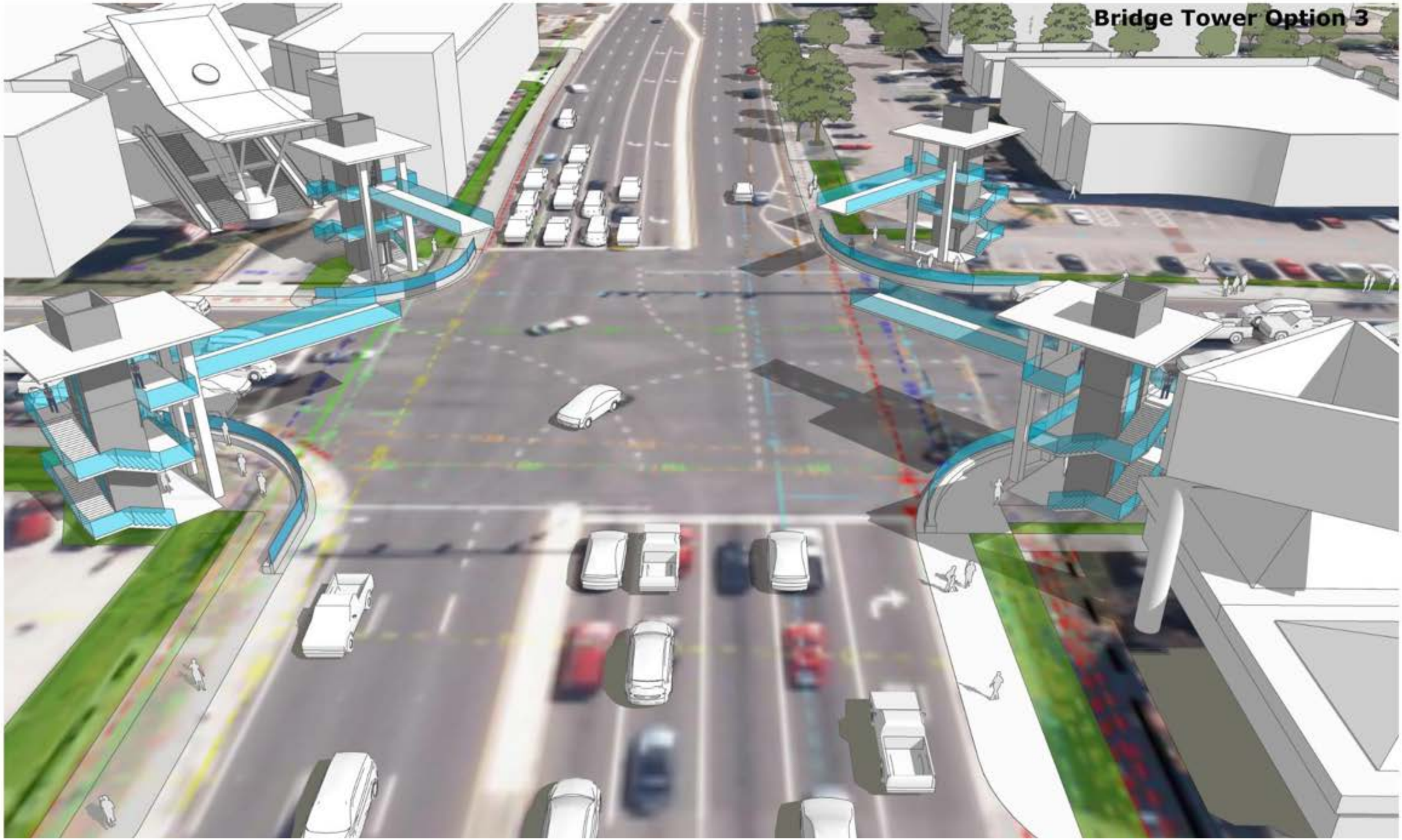
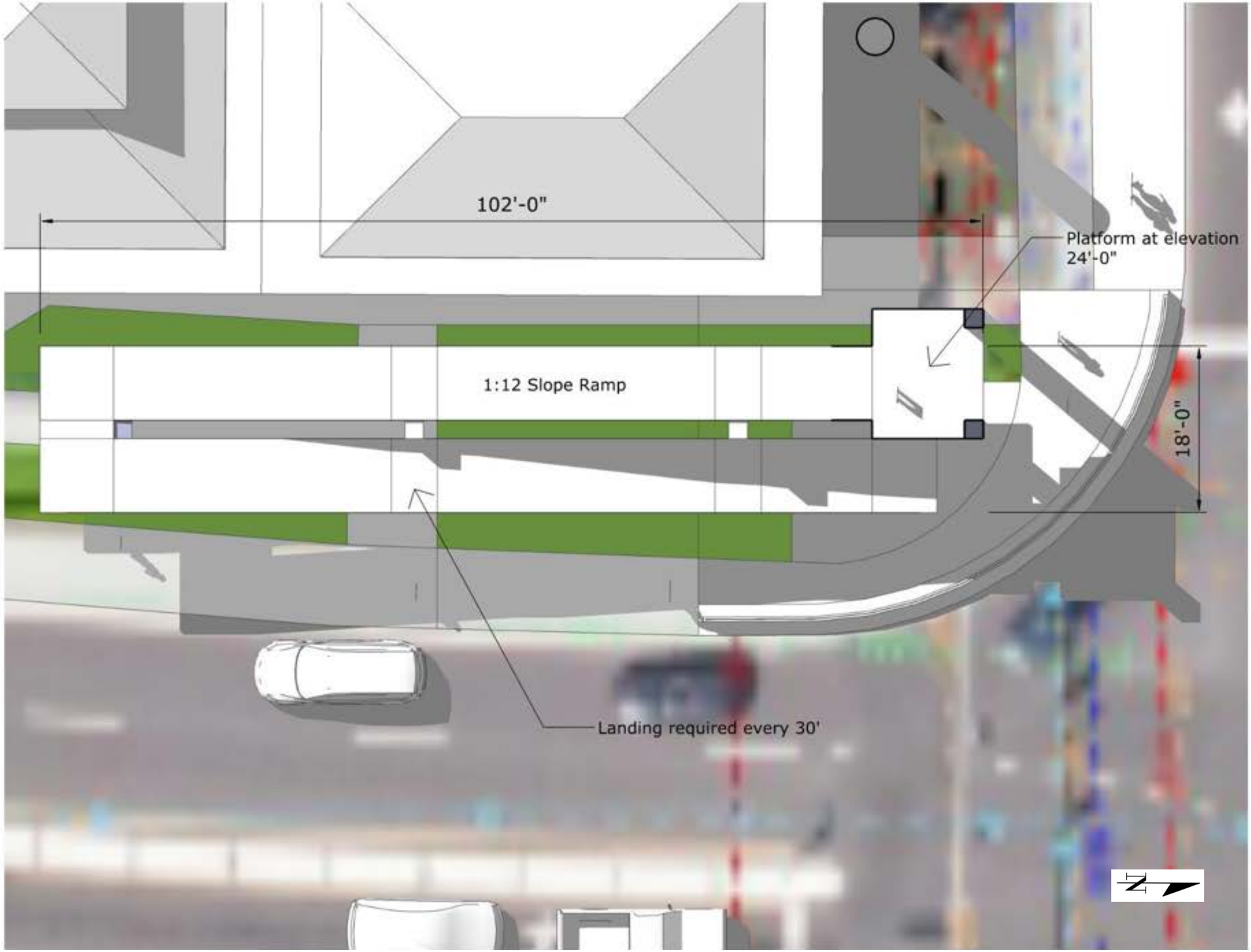

Bridge Tower Option 3



Ramp Option 4

Description

The Ramp option meets the needs of egress and accessibility in a single ramp component. The disadvantage to the ramp configuration is that users must climb or descend a ramp that is almost 350' long. The ramp is useable by strollers and bicycles. This option requires very little maintenance and has no power requirements or moving parts.

The biggest drawback to the ramp is its footprint size and its visual obstruction of the businesses on the 4 corners of the intersection.

The ramps are located along International Drive based on the availability or right of way and unencubered property along this roadway.

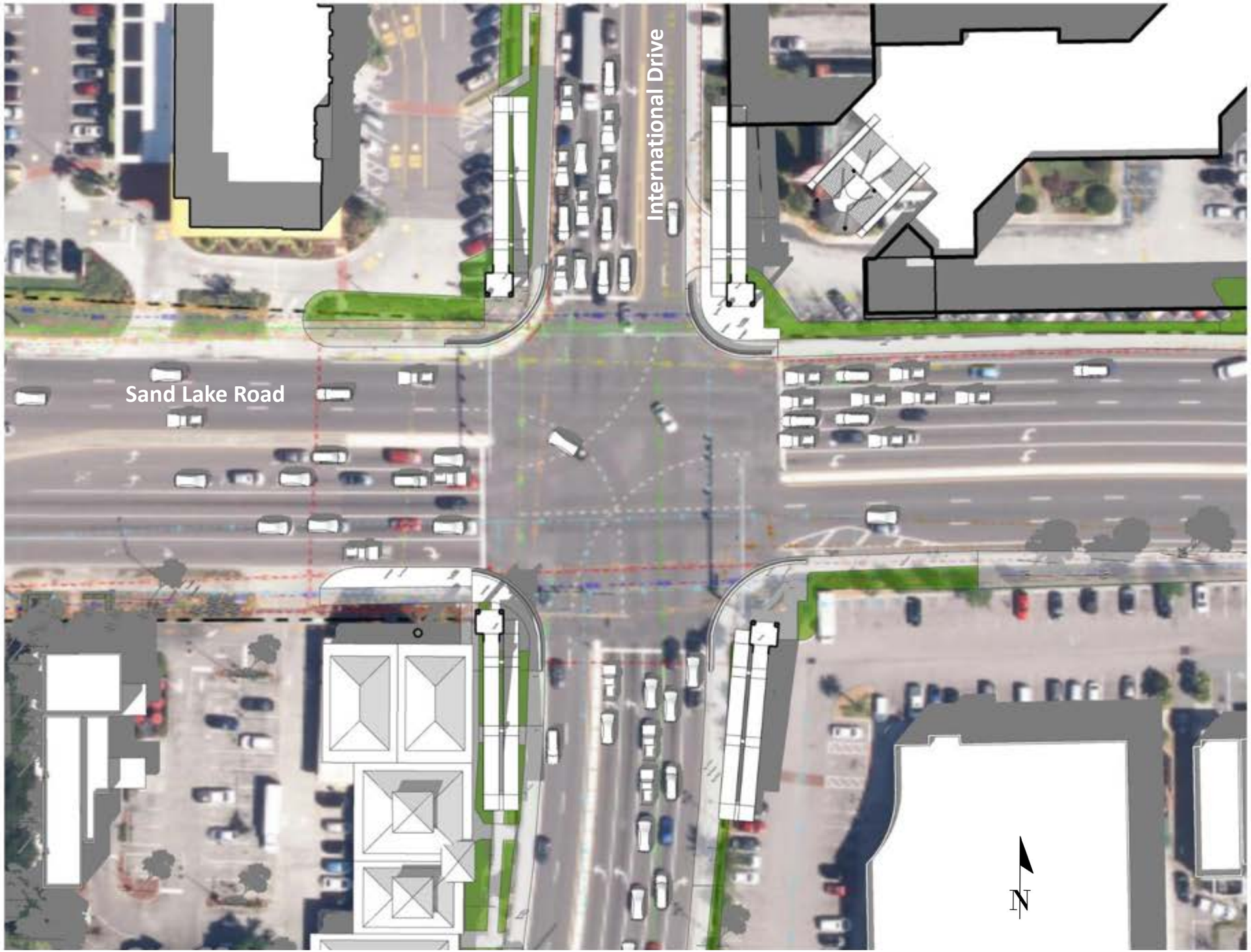
The Ramp is stretcher compliant and accessible by first responders.

The area required for this option is 18' x 100'.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Ramp Width	8' Wide
Total Ground Level Footprint	1728sf
Bridge Width	10'-0"



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The Ramp is stretcher compliant and accessible by first responders.

The area required for this option is 18' x 96'.

Summary

Ground Floor Platform	192sf
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Crosswalks have been removed.

Summary

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Ramp Width	8' Wide
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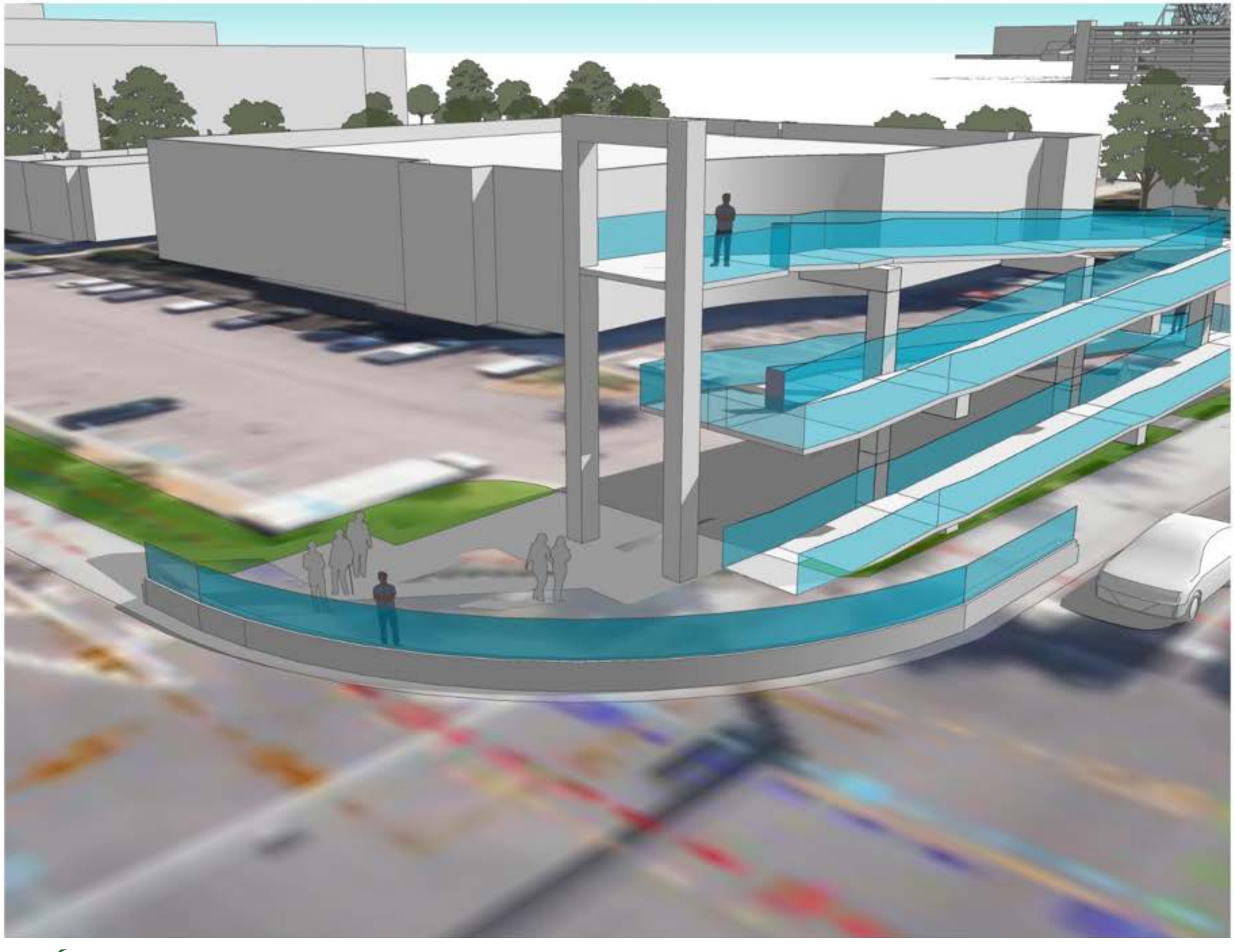

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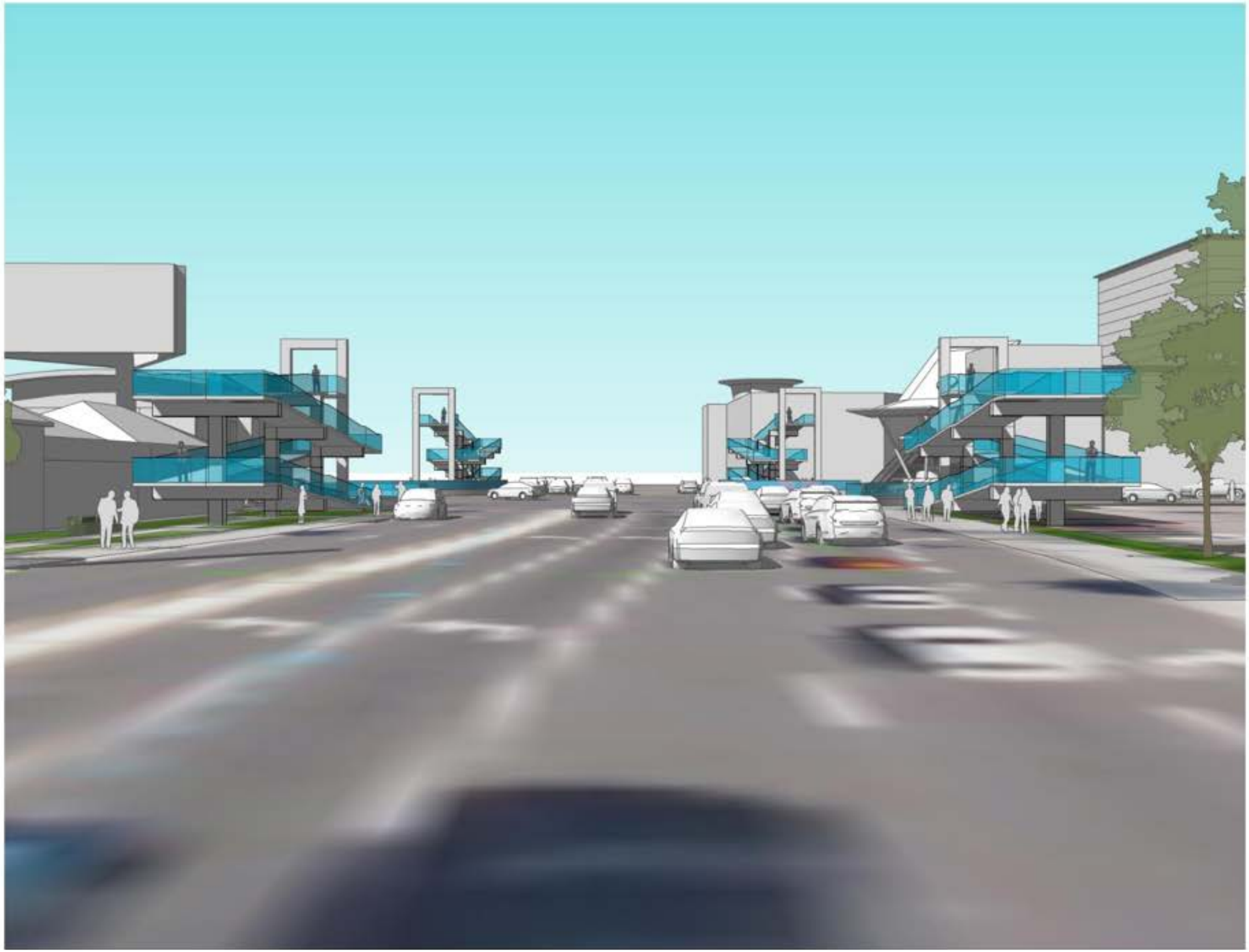
The Ramp is stretcher compliant and accessible by first responders.

The area required for this option is 18' x 96'.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Ramp Width	8' Wide
Total Ground Level Footprint	1728sf
Bridge Width	10'-0"



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The ramps are located along International Drive based on the availability or right of way and unencubered property along this roadway.

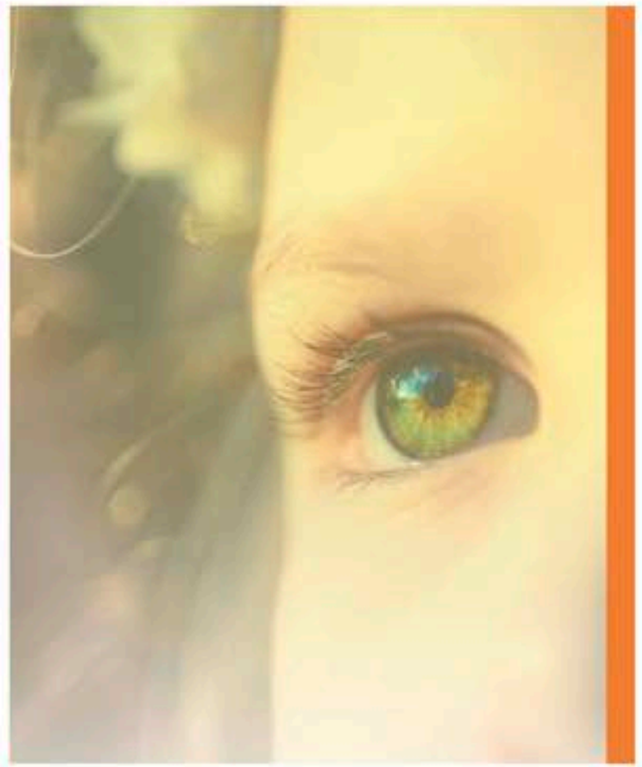
The Ramp is stretcher compliant and accessible by first responders.

The area required for this option is 18' x 96'.

Crosswalks have been removed.

Summary

Ground Floor Platform	192sf
Ramp Width	8' Wide
Total Ground Level Footprint	1728sf
Bridge Width	10'-0"



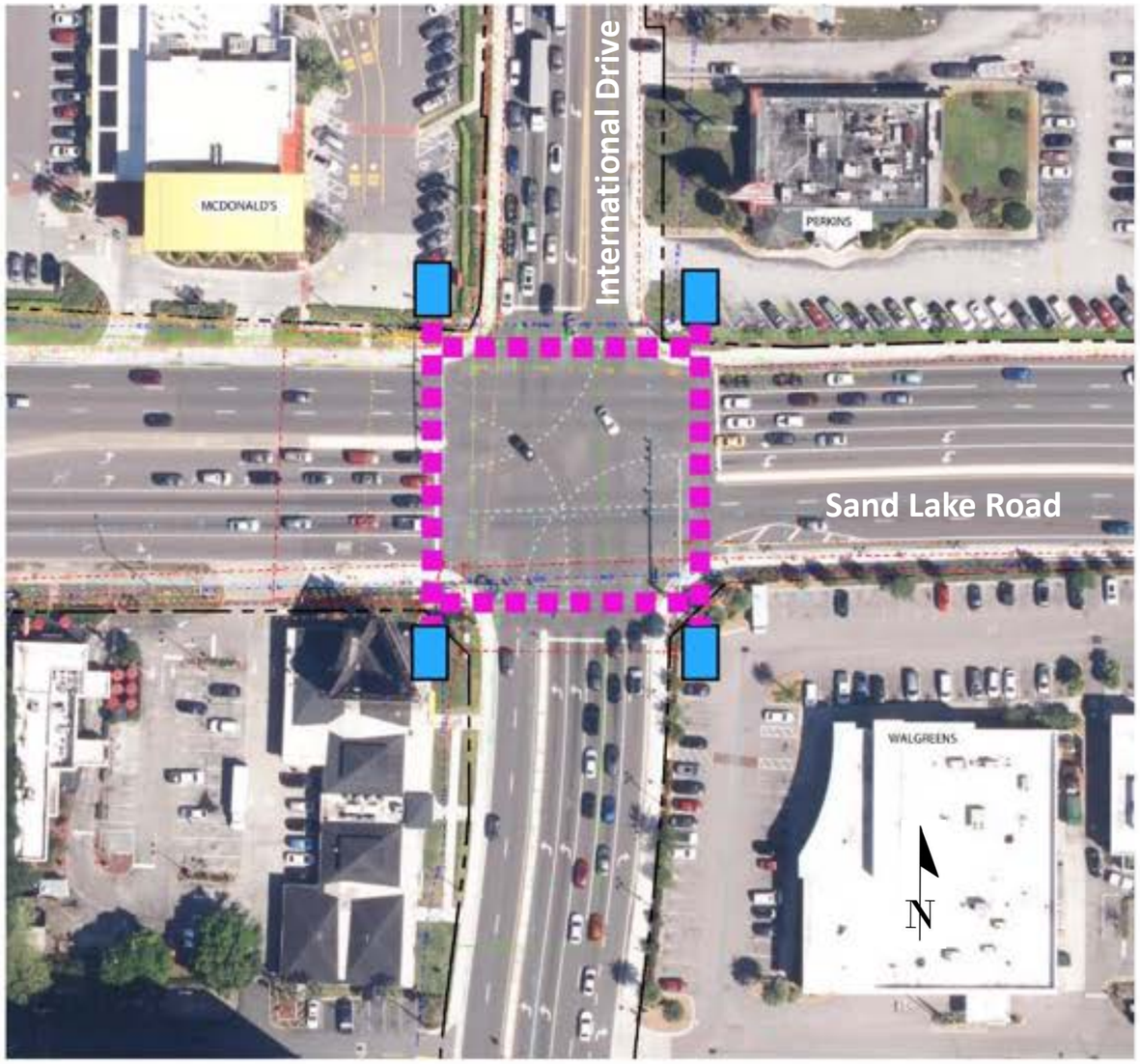
Meeting Number Two

Conceptual Bridge Configuration Diagrams

ORANGE COUNTY GOVERNMENT FLORIDA

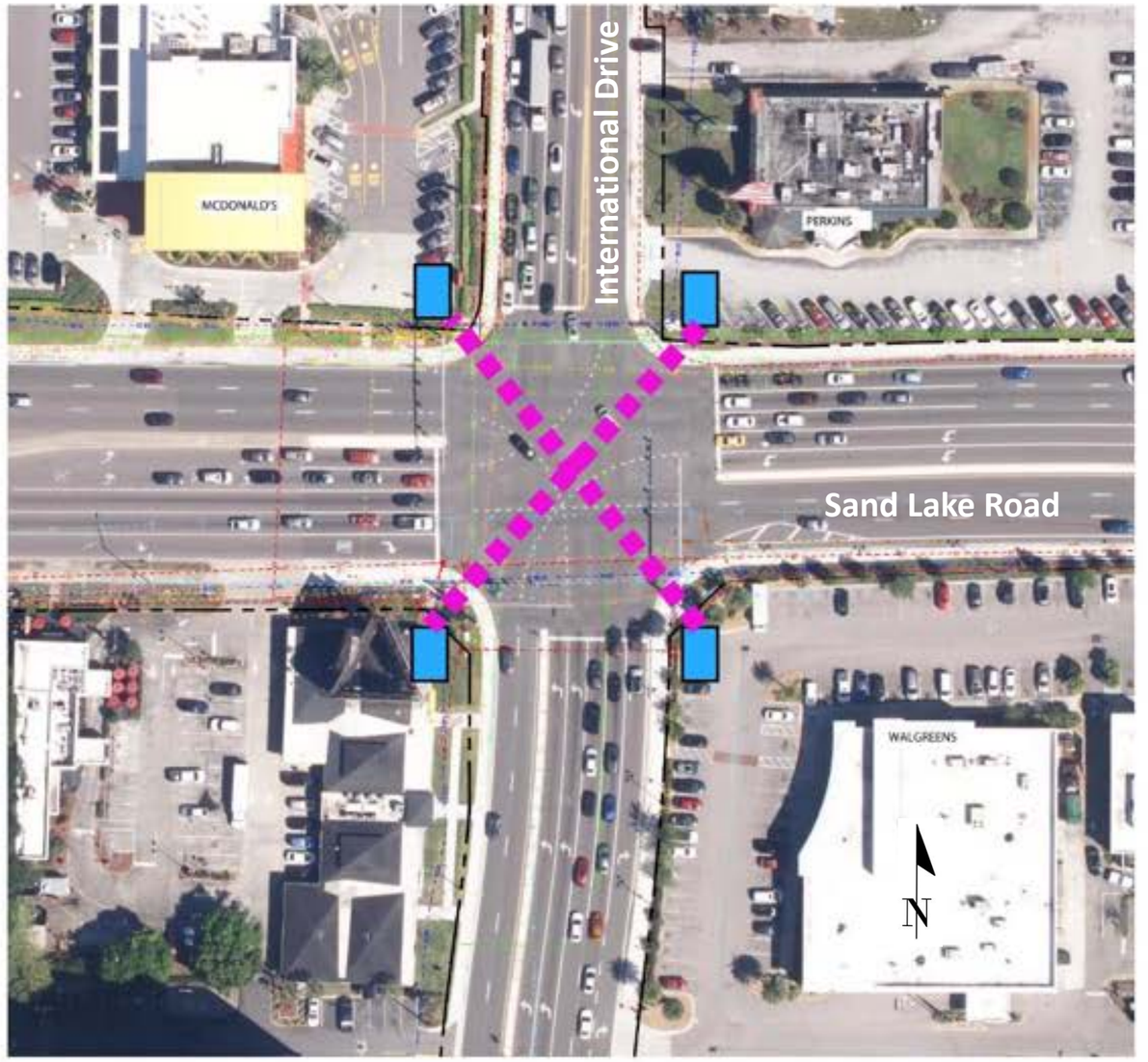
HHCP&AVCON
A JOINT VENTURE

Bridge Configurations



Option 1
Square Configuration

Simple configuration utilizes straight prefabricated bridge sections.
Users must travel either right or left to the final destination. If the destination is diagonal, you will have to travel two segments of the bridge.



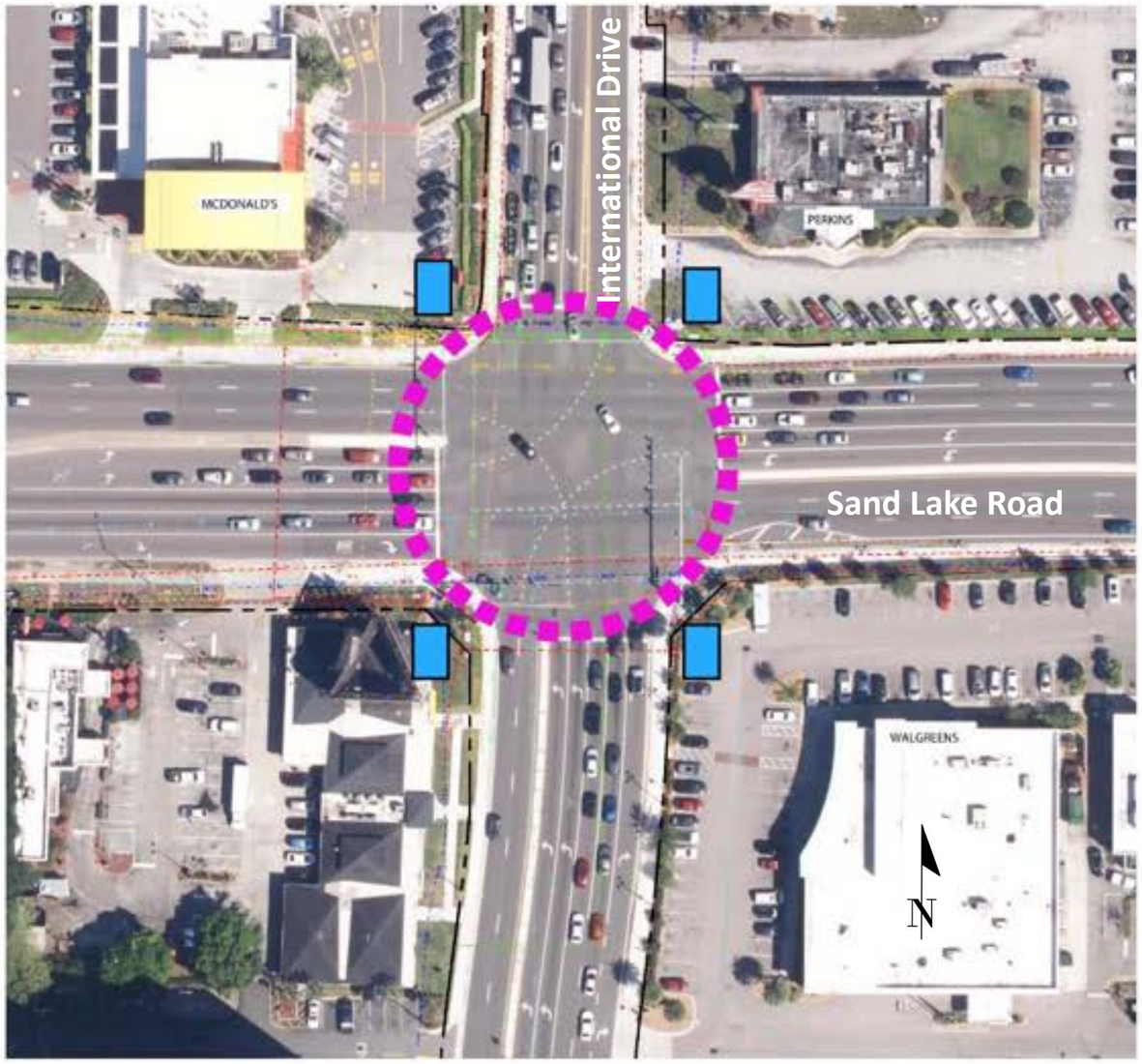
Option 2
"X" Configuration

The "X" configuration utilizes prefabricated bridge sections and includes a shorter total bridge length than Option 1.
Users travel approximately the same distance to any destination. That distance is slightly longer than a single span in Option 1.

Vertical Circulation Tower

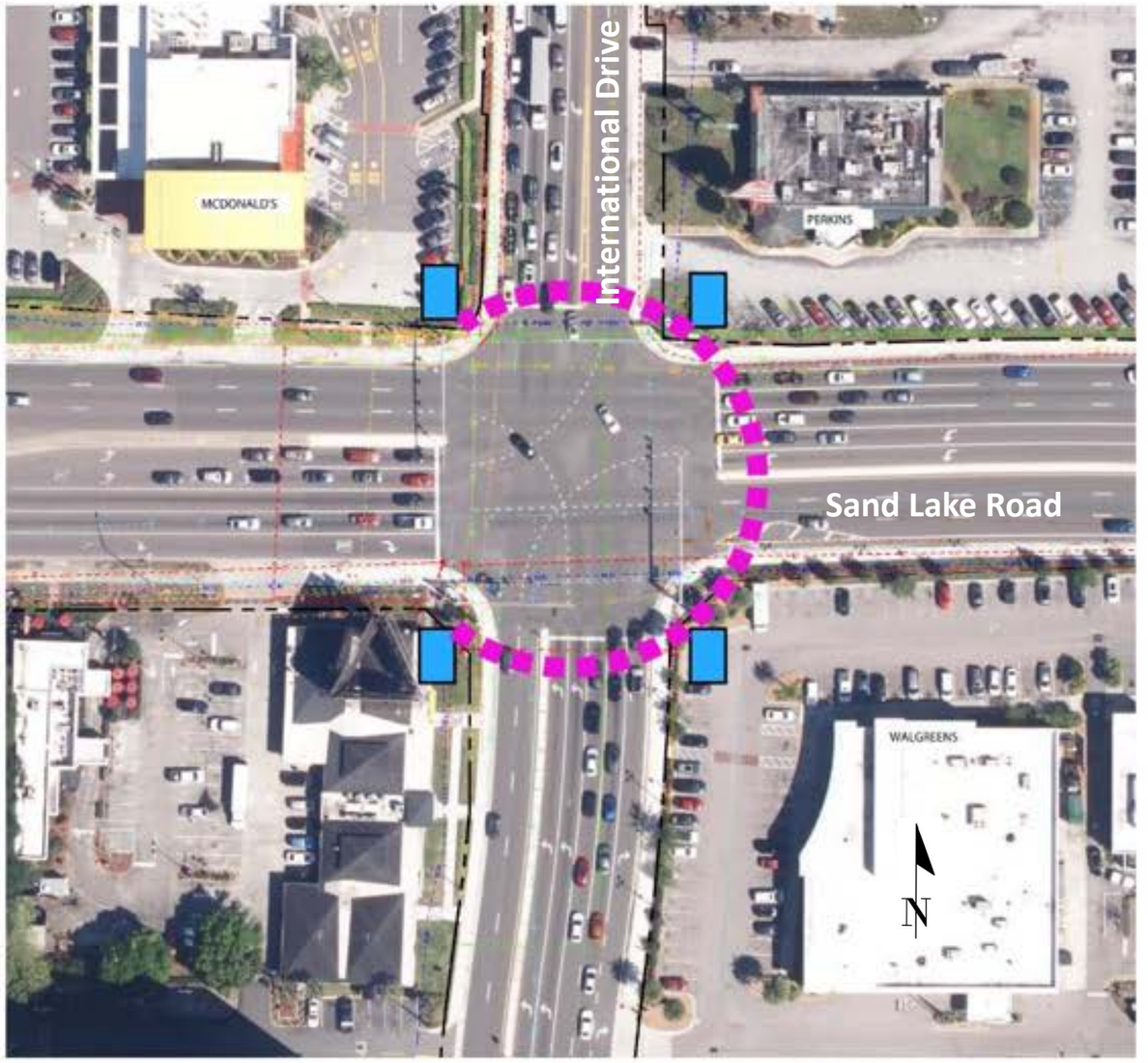
Elevated Bridge

Bridge Configurations



Option 3
Circular Configuration

Operationally similar to the Square configuration, the Circular bridge eliminates 90 degree intersections and allows smooth flow around bridge in either direction. By walking in a continuous curve the appearance of the distance to the destination is reduced. This configuration can be assembled from Pre-fabricated bridge sections.



Option 4
"C" Configuration

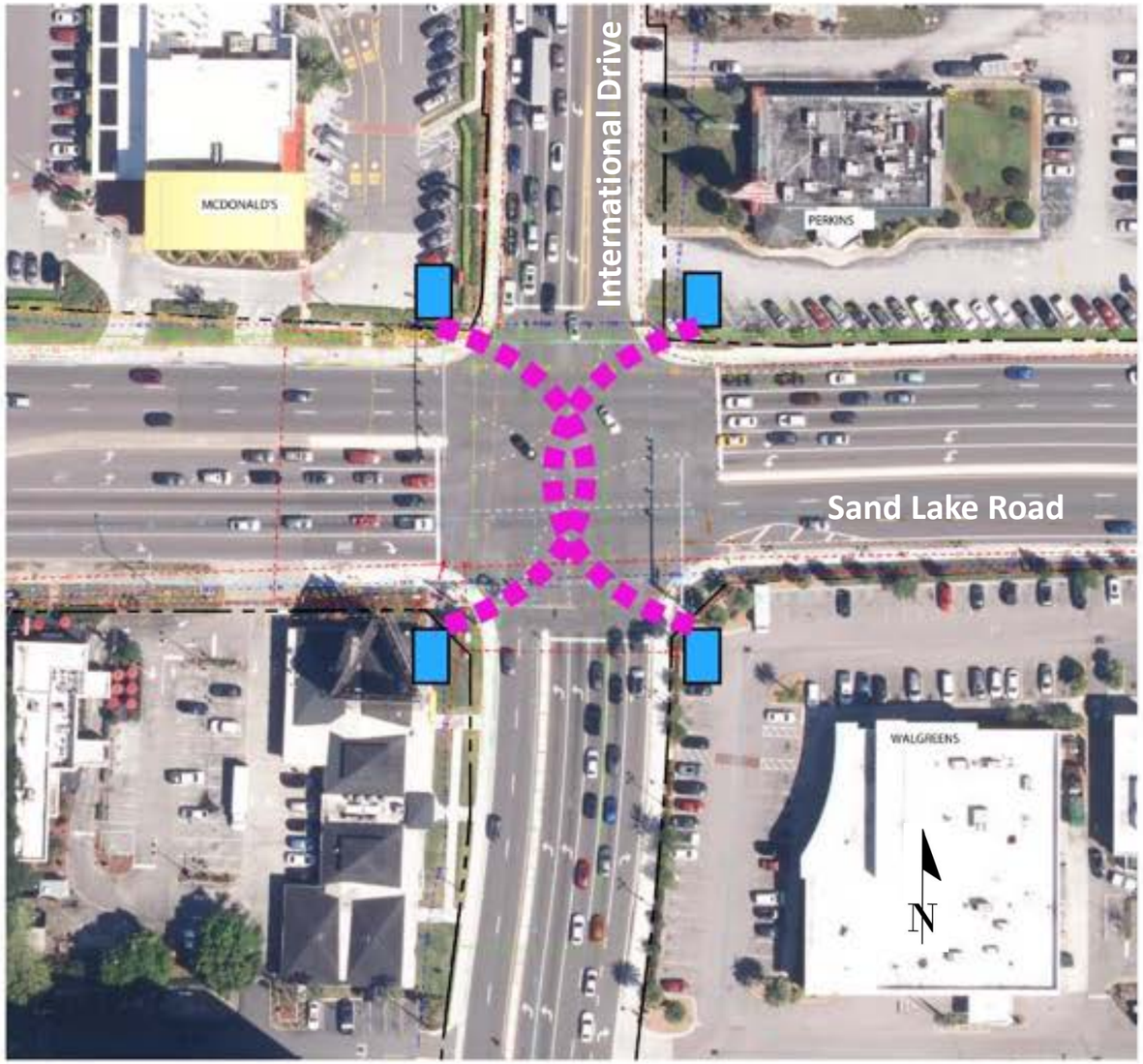
The "C" configuration utilizes prefabricated bridge sections and includes a shorter total bridge length than Option 3.
This configuration only increases the travel distance between the NW and SW corners. This configuration creates a unique gateway for automobiles coming from the I-4 interchange.

Vertical Circulation Tower

Elevated Bridge

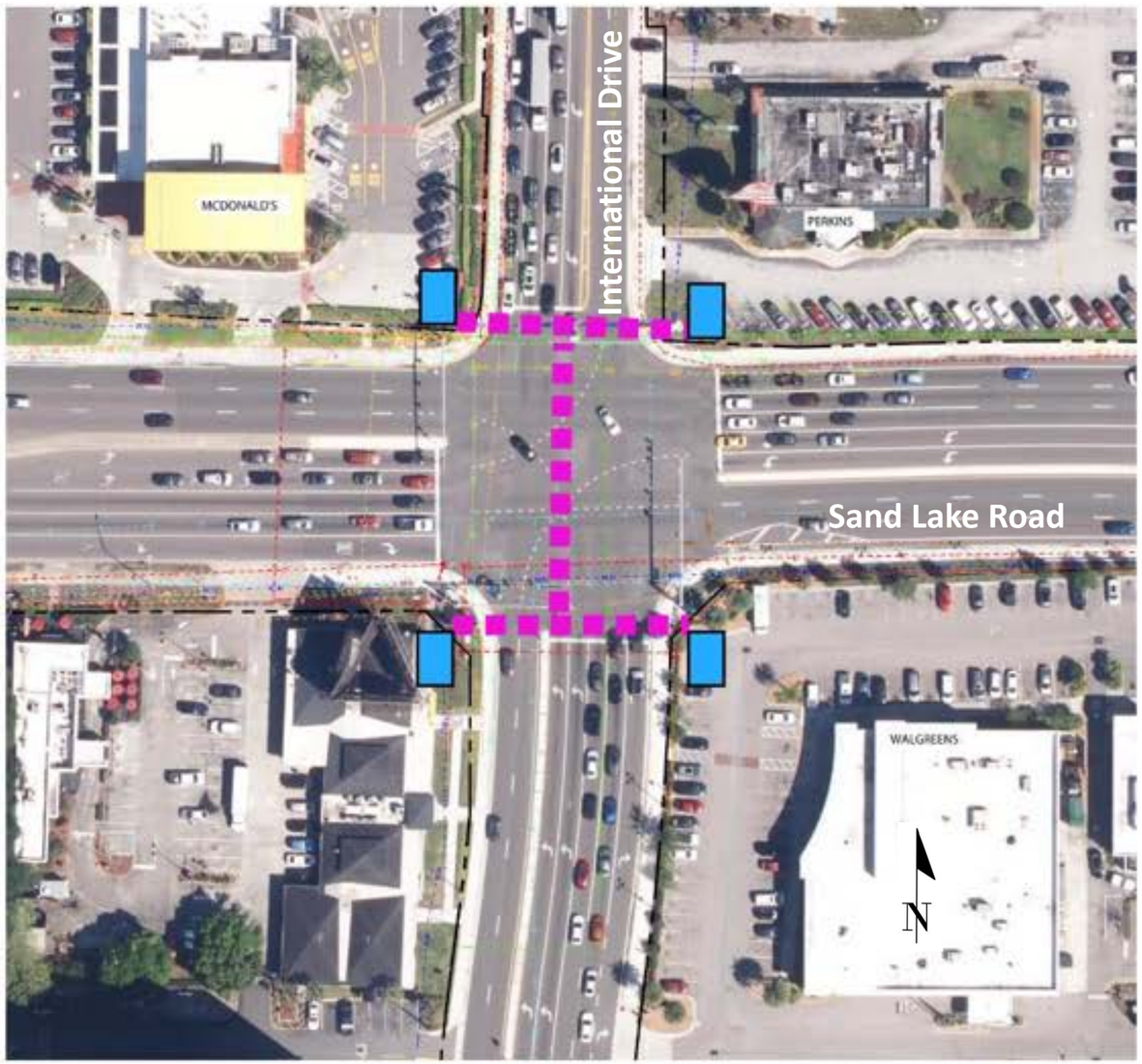
HHCP&AVCON
A JOINT VENTURE

Bridge Configurations



Option 5
Chanel Logo Configuration

Operationally similar to the "X" configuration, this bridge consists of two curved bridge sections that touch and connect in the middle. More dynamic than the "X" configuration, this configuration eliminates long straight views and can accommodate a transition area in the center of the intersection. This configuration can be assembled from Pre-fabricated bridge sections.



Option 6
"H" Configuration

The "H" configuration utilizes prefabricated bridge sections and includes a shorter total bridge length than Option 3.
This configuration is made up of simple straight bridge sections and creates a unique gateway for automobiles coming from the I-4 interchange. Similar to Option 5, this configuration provides shorter travel distances crossing east and west.

Vertical Circulation Tower

Elevated Bridge

Summary

- Preference for eliminating pedestrian crossing on grade.

- Elimination of the crosswalks will increase pedestrian safety and reduce traffic congestion.

- Wrapping Corner seat wall/barriers will be required to prevent people from attempting to cross the intersection on grade.

- Determined limited space exists in the ROW for Bridge vertical circulation tower and supports.

- Evaluation of Vertical Circulation Options identifies Ramps or Combination of Elevator and Stairs as the most viable options.

- We are seeking PAG input on Vertical Circulation Tower option preferences and will prepare development of Bridge Configuration options for next PAG meeting.

Thank you!