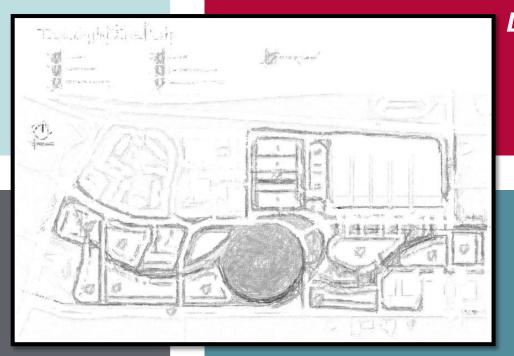
City of Virginia Beach Arena Infrastructure

Preliminary Conceptual Cost Estimates



Doug Smith, Deputy City Manager Carl Tewksbury, Kimley-Horn City Council Briefing July 8, 2014

Presentation Overview

- Background
- Discussion of preliminary conceptual cost estimates for public infrastructure based on concept plans
 - Parking assumptions, needs and costs
 - Roadway improvements and costs
 - Site development, utility improvements and costs
 - Overall project infrastructure costs
- Discussion of path forward

Background

- **November 8, 2013**: City received an unsolicited private proposal from the W.M. Jordan Company, HKS Sports & Entertainment, and Global Spectrum.
- November 12, 2013: City Council authorized the City Manager to accept the proposal for further study. The Council agreed to allow 90 days for competing private proposals to be submitted.
- February 17, 2014: City received an arena proposal from a consortium of United States Management LLC, AECOM Architects, Clark Nexsen Architects, Mortenson Construction, SB Ballard Construction and SMG.

Background

- March 24, 2014: Both companies presented their proposals to the City Council-appointed Citizens Communications Committee.
- May 13, 2014: City Council received a briefing from Convention Sports & Leisure (CSL), a consultant brought in to provide an independent overview of each proposal.
- May 27, 2014: City Council adopted a resolution directing the city staff to:
 - Pursue negotiations with USM,
 - Hold the PPEA process and the Jordan proposal pending the outcome of these negotiations,
 - To prepare a report determining the scope and cost of public infrastructure, and
 - Continue involvement of the Citizens Communications Committee.

USM Proposal Details

- USM proposal is to construct a locally owned, privately financed 18,000-seat capacity, 550,000-square foot entertainment and sports venue adjacent to the Virginia Beach Convention Center
- The facility would incorporate flexible seating and the amenity upgrade capabilities necessary to attract a professional sports franchise.



USM Proposal

- The Arena, as proposed, accomplishes three major goals for the City:
 - Establishes a significant economic generator in Virginia Beach, creating new jobs and attracting new events and new visitors to the City
 - Creates a year-round attraction at the oceanfront, boosting existing businesses and dramatically enhancing the City's national convention draw
 - Provides a signature development that will offer events consistent with our City's stature and enhance our national and international exposure.
- Council directed staff to develop preliminary conceptual cost estimates for public infrastructure based upon conceptual plans. The following presentation provides the preliminary infrastructure costs.

Kimley-Horn Presentation Summary

- Parking Assumptions, Needs, and Costs
- Roadway Improvements and Costs
- Site Development, Utility Improvements, and Costs
- Overall Preliminary Conceptual Cost Estimates

Presented by Carl Tewksbury, P.E.

Sr. Vice President, Kimley-Horn

Parking Assumptions, Needs, and Costs

Parking and Traffic Assumptions

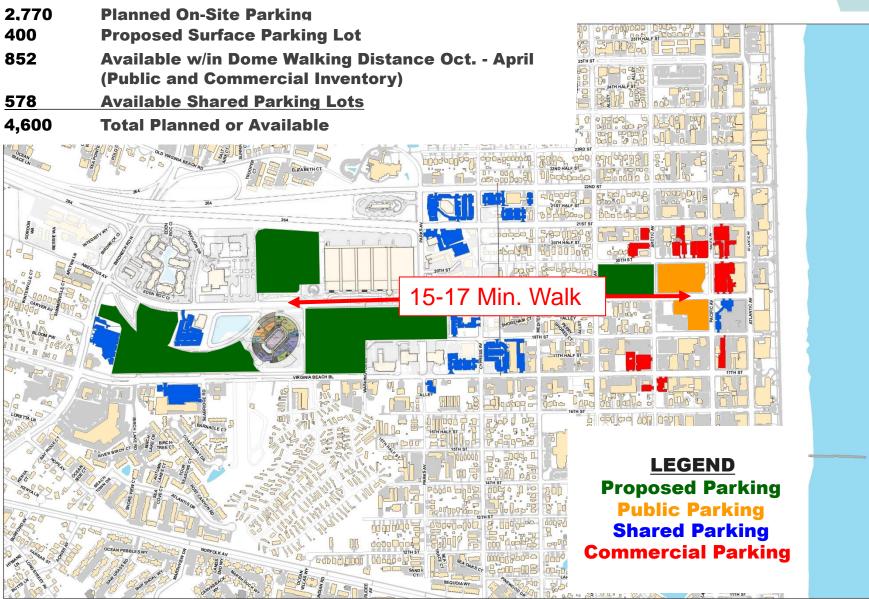
- Attendance Levels/Arena Size:
 - 18,000 seat capacity
 - 15,500 permanent seats
- 13,950 design attendance (90% of 15,500) Oct-April
- 7,500 design attendance (90% of 8,300) May-September
- Convention Center Overlap: 300 parking spaces
- Mode Split: 85% vehicular; 15% other
- Vehicle Occupancy: 2.75 people per vehicle
- Shared Parking Occupancy: 50%
- Occupancy of Public Parking: 5% October-April; 70% May-September
- Acceptable Walking Distance to/from Dome Site: 15-17 minutes
- Employees will park off-site for large events

Parking Demand

13,950 Des Attendanc		7,500 Design Attendance
	Oct-April	May-Sept
Planned On-Site	2,770	2,770
Proposed Additional Surface Parking (Treasurer's Block)	400	400
Available Public Spaces – w/in Dome walking distance	511	161
Available Commercial Spaces – w/in Dome walking distance	341	108
Available Shared Parking Spaces (50% of Available Inventory)	578	578
Total Parking Inventory Available	4,600	4,017
Arena Parking Demand	4,312	2,318
VBCC Parking Demand	300*	300*
Total Parking Demand	4,612	2,618
Parking Surplus/Deficit	-12	1,399
Anticipated People to be Shuttled	40	0

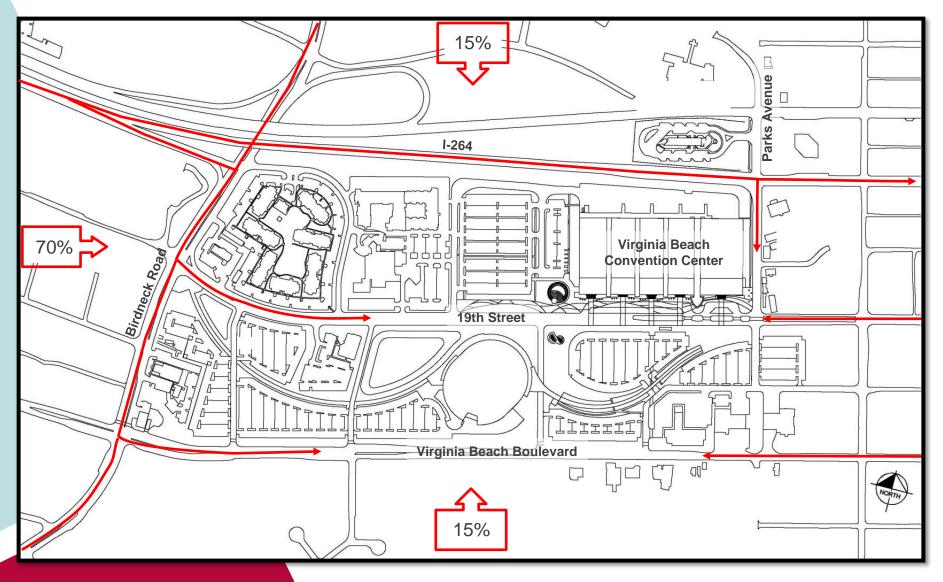
* VBCC parking demands for larger events will be met by reserving parking directly adjacent to the facility. This will require additional people to be shuttled for arena events.

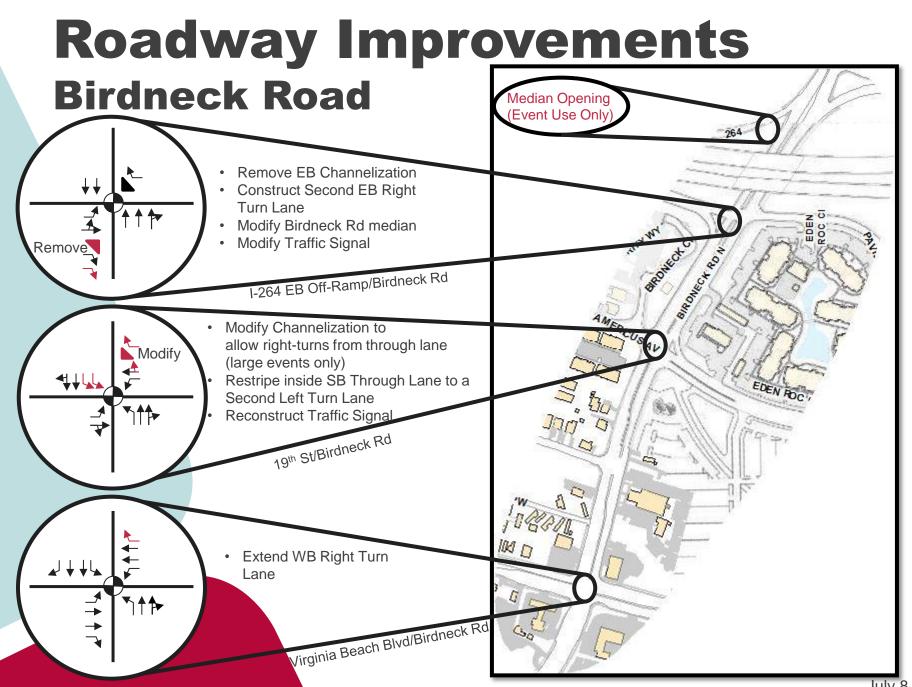
Parking Inventory



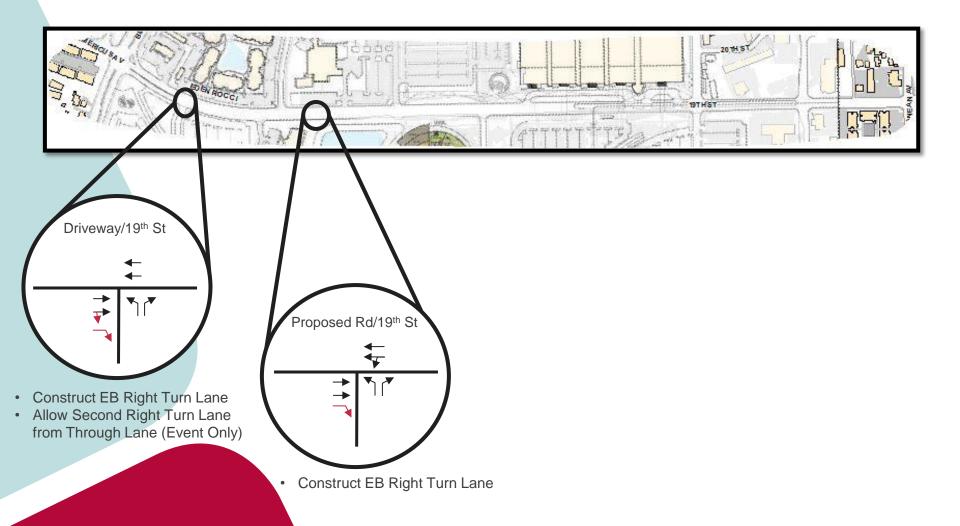
Roadway Improvements and Costs

Traffic Distributions





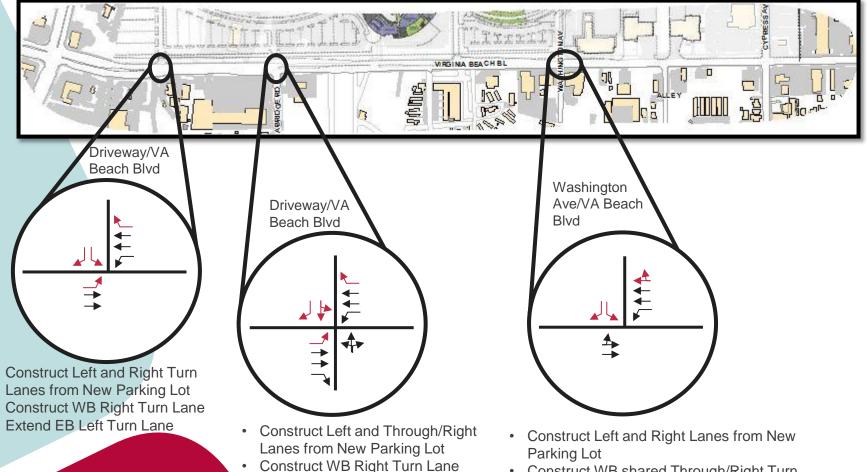
Roadway Improvements 19th Street



Roadway Improvements Virginia Beach Boulevard

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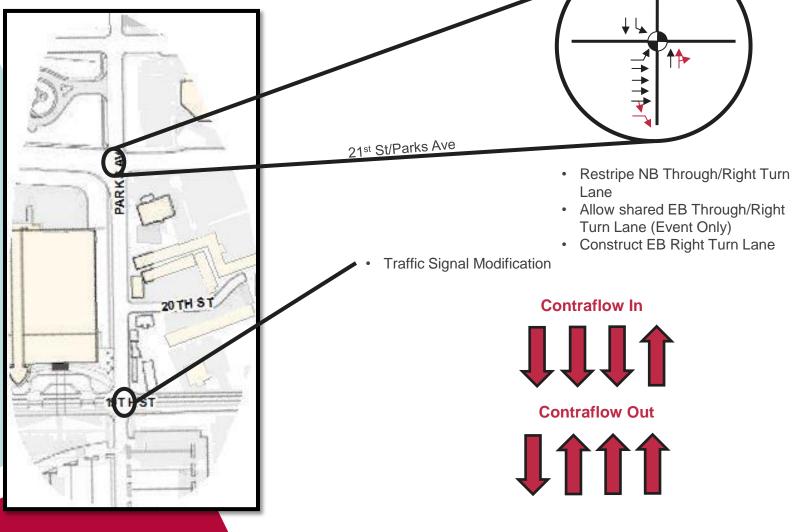
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Restripe/Extend EB Left Turn Lane

 Construct WB shared Through/Right Turn Lane 16

Roadway Improvements Parks Avenue



Roadway Improvements

Improvement	Cost
Birdneck Road/I-264 Eastbound Off-Ramp Improvements	\$761,000
Birdneck Road/I-264 Westbound On-Ramp Improvements	\$131,000
Birdneck Road/19th Street Improvements	\$1,590,000
19th Street/West Parking Lot Access Improvements	\$178,000
Birdneck Road/Virginia Beach Boulevard Improvements	\$200,000
Virginia Beach Boulevard/Parking Lot Access/Birch Lake Drive Improvements	\$370,000
Virginia Beach Boulevard/Parking Lot Access/Seabridge Road Improvements	\$307,000
Virginia Beach Boulevard/Jefferson Avenue Improvements	\$236,000
Parks Avenue/19th Street/Monroe Avenue Improvements	\$100,000
Parks Avenue between 19th and 22nd Street Improvements	\$11,000
Parks Avenue/21st Street Improvements	\$318,000
Parks Avenue/22nd Street Improvements	\$125,000
Wayfinding & Directional Signing	\$150,000
Total	\$4,478,000

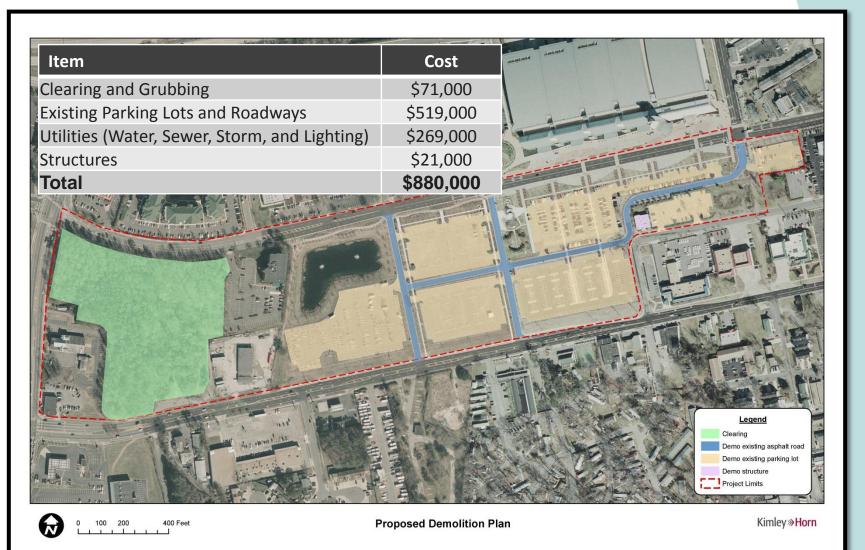
Site Development, Utility Improvements, and Costs

Utilities

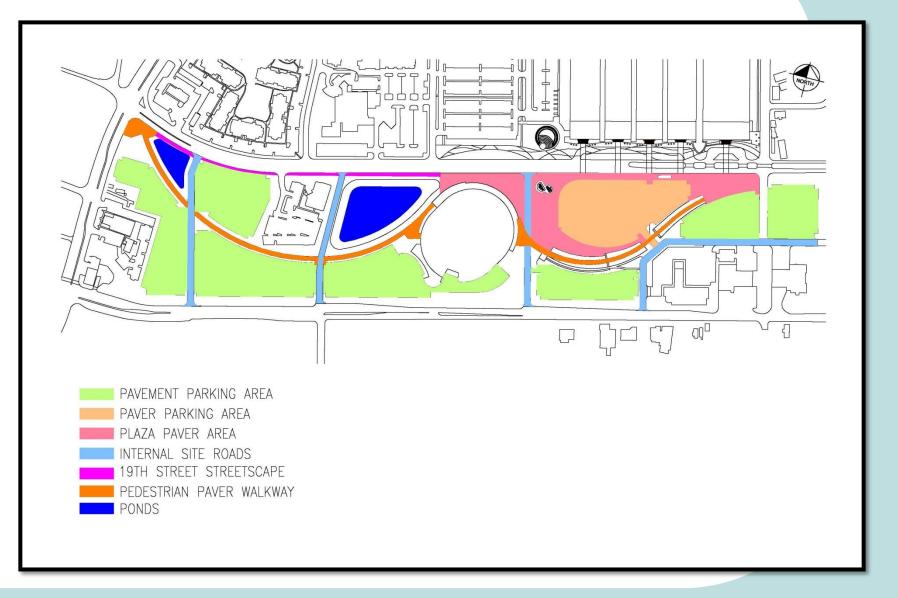
Item	Cost
Water	\$257,000
Sewer	\$1,105,000
Drainage*	\$1,301,000
Electric Duct Banks (Dominion Virginia Power)	\$1,680,000
Telecommunications (Verizon and Cox)	\$279,000
Virginia Natural Gas	\$100,000
Total	\$4,722,000

* Drainage includes the use of permeable pavement – cost captured in site development

Site Development Demolition



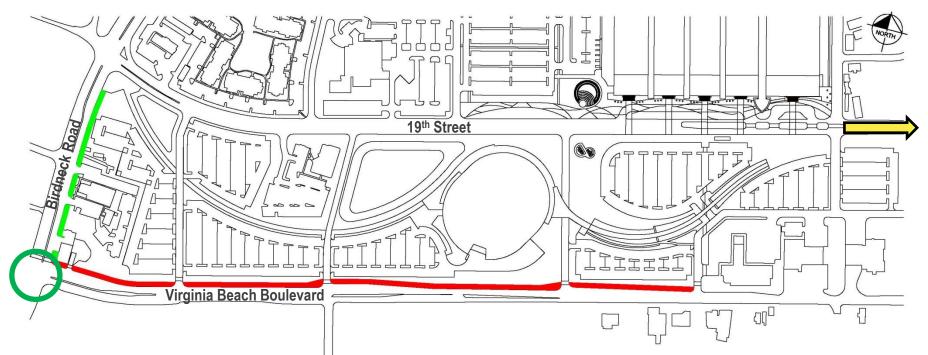
Site Development Areas



Site Development

Item	Cost
Surface Parking Development (Asphalt)	\$2,979,000
Surface Parking Development (Permeable Pavement)	\$3,738,000
Surface Parking Development (Pavers)	\$2,661,000
Site Lighting	\$1,575,000
Internal Roadways	\$2,100,000
19 th Street Streetscape	\$341,000
400 Space Off-Site Surface Parking Lot (Treasurer's Site)	\$1,200,000
Hardscaping (Plaza Pavers and Paver Walkways)	\$2,752,000
East and West Concourse Access Treatment	\$1,000,000
Enhance Veteran's Memorial and Park	\$250,000
Marquees	\$3,000,000
Site Furnishings and Irrigation	\$1,047,000
Environmental	\$770,000
Total	\$23,413,000

Optional Site Development Areas



VIRGINIA BEACH BLVD/BIRDNECK RD INTERSECTION IMPROVEMENTS

BIRDNECK ROAD STREETSCAPE VIRGINIA BEACH BOULEVARD STREETSCAPE

19TH STREET STREETSCAPE IMPROVEMENTS

Optional Site Development Items	Cost*
Virginia Beach Boulevard Streetscape	\$7,473,000
Birdneck Road Streetscape	\$2,482,000
Intersection Improvements	\$6,491,000
19th Street Streetscape Improvements	\$9,716,000
Total	\$26,162,000

*Does not include right-of-way acquisition that may be necessary pending further design.

Overall Preliminary Conceptual Cost Estimates

Overall Preliminary Conceptual Project Costs

Construction Item	Cost
Mobilization	\$2,500,000
Roadway Improvements	\$4,478,000
Utilities	\$4,722,000
Demolition	\$880,000
Site Development	\$23,413,000
Total Construction Costs	\$35,993,000
Soft Costs	Cost
Contingency and Escalation (20%)	\$7,199,000
Design (15%)	\$6,479,000
Construction Inspection	\$3,000,000
Total Soft Costs	\$16,678,000
Total Infrastructure Cost	\$52,671,000
Birdneck Road Streetscape Costs*	\$2,482,000
Virginia Beach Blvd. Streetscape Costs*	\$7,473,000
19 th Street Streetscape Costs*	\$9,716,000
Optional Intersection Improvements*	\$6,491,000
Estimated Total Project Infrastructure Costs	\$78,833,000

* Does not include right-of-way acquisition that may be necessary pending further design.

Summary of Estimated Total Project Infrastructure Costs

These are preliminary conceptual cost estimates were developed based on conceptual layouts. They are subject to change based on detailed engineering design.

Direct Arena Infrastructure Costs	\$52,671,000
Optional Infrastructure Costs*	\$26,162,000

* Does not include right-of-way acquisition that may be necessary pending further design.

The Path Forward

- Continue to refine infrastructure design elements and costs
- Continue to quantify fiscal impacts
- Develop an operational and management plan
- Negotiate the business terms and booking policies with United States Management
- Develop Central Beach District Master Plan
- Milestones
 - Summer 2014
 - Finalize Traffic and Parking Study
 - Integrate Light Rail Plan into Arena Study
 - Late Summer 2014
 - Visit Pinnacle Bank Arena in Lincoln Nebraska to tour comparable facility;
 - Citizens Communications Committee Briefing and Discussion
 - Fall 2014
 - Term Sheet presented to City Council for consideration
 - Late 2014/Early 2015
 - Agreements presented to City Council for consideration

Discussion

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Light Rail Transit Integration

17th Station and East End of Direct Oceanfront/Former NSRR

17th Street

17th Street Park and Ride



July 8, 2014