Presentation to DVAC Parking Feasibility Study SubCommittee

December 18, 2012

Parking Planning Process

Parking Planning 101

The process of identifying, quantifying and planning for a community's parking requirements in the most efficient and cost effective manner

Parking Planning Study Objectives

- Understand current and future parking needs and utilization
- Define current demand characteristics unique to Community
- Identify factors influencing current & future parking trends
- Quantify need for additional parking
- Understand how parking can serve as an economic development tool
- Be sensitive to community and neighbor concerns

Parking Planning Study Phases

- Phase 1 Parking Demand vs. Supply Analysis
- Phase 2 Alternative Assessment
 - Three sites established by Town Commission

Parking Planning Study Steps

Phase 1

- 1. Define Study Area (area influenced by demand & supply)
- 2. Determine evaluation period
- 3. Determine information sources
 - a. Field data
 - **b.** Past Studies
 - C. Routinely collected data
 - d. Master Plans
- 4. Collect any field data needed
- 5. Parking supply inventory
- 6. Land use inventory
- 7. Utilization data
- 8. Analysis of approved or pending projects

Parking Planning Study Steps

Phase 1

- 9. Analyze Collected Information
 - **a.** Existing Conditions
 - b. Projected Period(s)
- 10. Develop Parking Demand Model
- 11. Compare Parking Demand against Parking Supply
 - a. Total Study Area
 - b. By Block
 - C. By Zone

Parking Planning Study Steps

Phase 2

12. Evaluate Alternatives

- a. Magnitude, Frequency, Duration
- **b.** If parking shortfall (Surface vs. Structure)
- C. Amount of additional parking demand could support

13. Economic Assessment

- **a.** Construction / Development Costs
- **b.** Operating Costs
- C. Effect on Parking Rates
- **d.** Public / Private Partnerships

Parking Planning Study Methodology

Parking Supply Qualified / Quantified

- Publicly Available
 - Type (On-Street/Off-Street)
 - Rates by Location
- Privately Provided
 - Commercial
 - Residential
 - Controlled / Uncontrolled

Land-Use Classifications Assessed (Typically follow municipal zoning classifications)

- Retail / Commercial
- Food Service / Restaurant
- General Office
- Financial
- Hotel / Motel
- Residential
- Professional Office
- Medical / Dental Office
- Religious
- Community Oriented
- Square Footage / living units

Parking Planning Study Methodology

Parking Generation Characteristics

Long-Term

Business owners / staff
Method of Arrival (drive and park rate)
Where parked (public / private)
Full-time vs. Part-time

Short-term

Customers / visitors to businesses in Surfside and nearby Other visitors Method of arrival (drive and park rate) Length of stay Locations parked

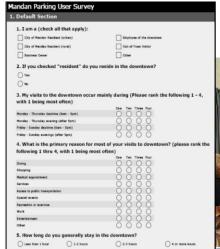
Parking Planning Study Methodology

- Surveys
 - Customers / Visitors
 - Staff
 - Business Owners / Managers
- Utilization Studies
 - Observed Parking occupancy by time of day
 - At a minimum several points throughout the day
 - On-street parking noted for turnover
 - Public and Private spaces

Phase 1 – Study of Current Parking Demand

Participative Process

- Stakeholder meetings / interviews
- Surveys (paper/pencil & on-line)
 - business owners
 - employees
 - customers / visitors
 - community







Phase 1 – Study of Current Parking Demand

Determine appropriate parking generation rates using unique characteristics to community, codes and national standards

Determine parking needs by user groups

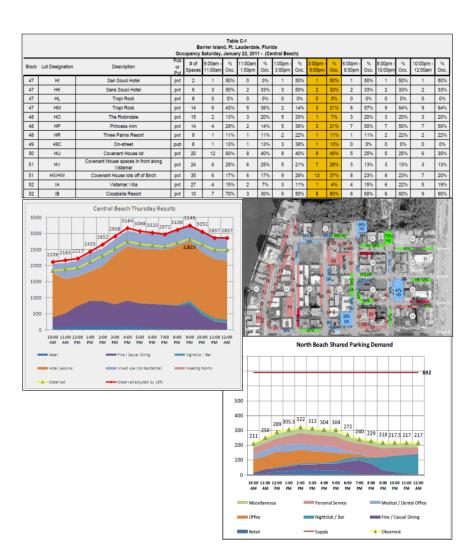
Develop current parking demand model

Analyze shared-use

Project future parking needs based on changes in land-use, new developments, re-occupancy, etc.

Determine how much parking is needed and timing

Factor in seasonal impacts



Phase 2 – Recommendations

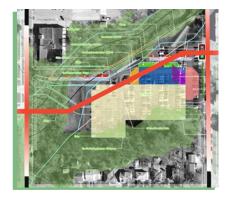
New Parking Analysis

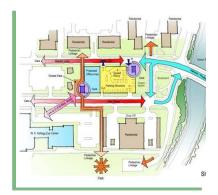
Programming

Define user groups
Identify mixed-use opportunities
Identify community amenities
Locate pedestrian connections
Define vehicular circulation and traffic
Operating plans (attended or non-attended)
Establish budget

Site Analysis

Review existing conditions
Site limitations
Traffic circulation
Adjacencies and pedestrian flows
Scale and massing of adjacent buildings
Service to adjacent businesses



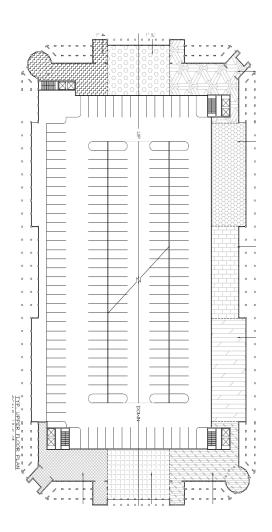




Parking Study Objectives

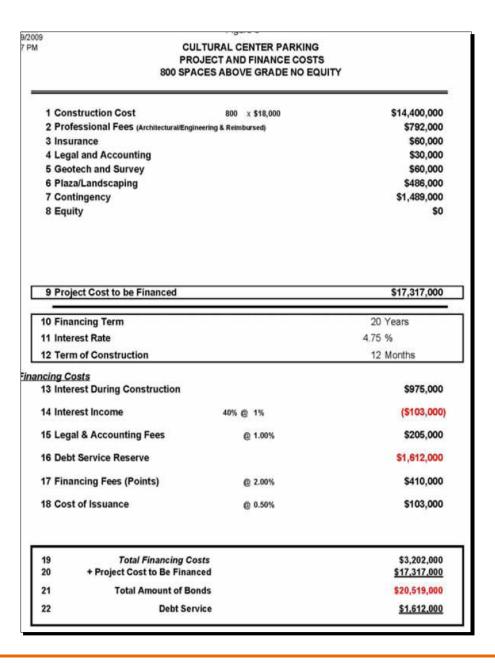
Design

- Determine if available sites for structured parking are suitable to meet future needs and are consistent with the master plan
- Build consensus within the community on overall parking issues and for proposed new parking
- Can the available sites attract redevelopment / private investment
- Project the capital and operational costs of new parking
- Develop business / implementation plan for new parking and for improvements to the overall parking system
- Effect on parking rates



Recommendations

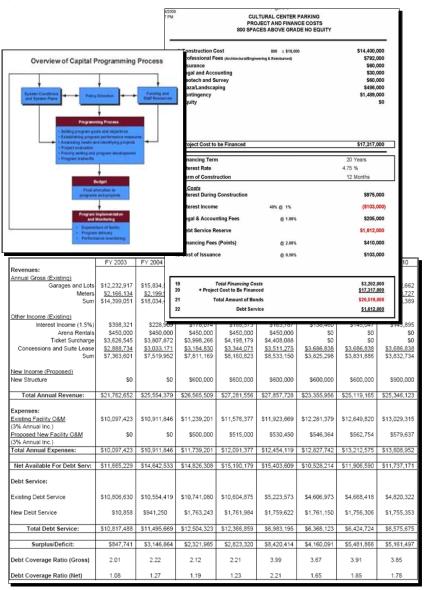
Example – Project Cost Calculation



Phase 2 – Recommendations

Business Plan – Implementation Plan

- Parking management program
- Parking access and management control systems recommendations
- Construction and operating costs analysis
- Pricing schedule and revenue model
- Funding strategies
- Public / Private Partnership Potential
- Pro forma analysis
- Bidding / construction strategies



Phase 2 – Recommendations

Parking System Improvements

Parking management and operation strategies including:

Policies and procedures

Allocation (permits for designated locations)

Time restrictions

Pricing

Enforcement

Signage

Marketing

Evaluate improved use of existing parking





Parking Planning Study Results

- Should be able to meet both current <u>and</u> future needs
- Parking can be a tool for downtown improvement
- Parking requirements are unique to the community
- Solutions should be in the best interest of the community and fit the community
- Economics as important as the demand assessment

Questions?