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SECTION 1

CPP Report to Pasadena City Council

THE CONNECTING PASADENA PROJECT (CPP)

REPORT TO PASADENA CITY COUNCIL

APRIL 13, 2015





CPP Workshop (Photo: Chuck Hudson)

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I. SUMMARY

A. 710/210 Connection Stub History

Sixty years ago, the State of California seized a large swath of valuable land in the heart of Pasadena, demolishing thousands of people's homes and businesses in order to extend the 710 freeway and connect it to the 110 and the 210 freeways. Ultimately, concerted and unrelenting opposition from residents forced the State to abandon its goal of establishing a surface route through Pasadena. But Pasadena was left with the "Stub"—a barren 50-acre area bounded by Walnut Street to the north, California Boulevard to the south, St. John Avenue to the west, and Pasadena Avenue to the east.

This empty freeway Stub needlessly divides the City of Pasadena. It separates the Old Pasadena Business District from the Ambassador Campus and Auditorium, Maranatha High School, the Norton Simon Museum, and numerous businesses. It also interrupts the street grid of neighborhoods on **Pasadena's** east and west sides.

Currently, Caltrans and Metro are proposing to build a single- or a twin-bore tunnel to connect the 710 to the 134 and 210 freeways. The northern entrance/terminus of the tunnel would be where the Stub is currently located.



B. Current Situation—the Stub

The freeway Stub brings cars at freeway speeds onto Pasadena's local streets. In particular, the current street configuration results in cars utilizing Orange Grove Boulevard, St. John Avenue, Pasadena Avenue, and other surface streets as freeway access roads and on-ramps.

Metro's Proposed 710 tunnel project would not only fail to solve the current traffic problems, it would bring even more vehicles onto our local streets. According to Metro's own calculations, the proposed tunnel project would bring an additional 180,000 cars and trucks through Pasadena and onto the 210/134 freeways. The tunnel would therefore make the 210 the most congested freeway in the United States with approximately 438,000-458,000 vehicles per day. That would mean the 210 would have 50,000 to 100,000 more vehicles than currently travel on the I-405.

In addition, the proposed tunnel would have no exits between Alhambra and Pasadena and would not connect to the 110 Arroyo Seco Parkway. Aside from the

obvious safety concerns that this presents, the tunnel would therefore do nothing to relieve local traffic congestion due to access to the 110 through local streets. (See Section IV. NEGATIVE IMPACTS OF THE PROPOSED TUNNEL below for an explanation of additional negatives from the tunnel.)

Given the ominous negative impacts to Pasadena and the surrounding region of building a tunnel that would induce even more traffic, the citizens of Pasadena decided to find a better way to utilize the Stub and to propose better ways to manage transportation.

C. About the Connecting Pasadena Project (CPP)

The CPP is proposing that Pasadena reclaim the Stub by restoring the urban fabric of our city and rebuilding the economic and social activity of an area that was destroyed when the Stub was built.

1. The CPP's Mission

The mission of the CPP is to provide master planning alternatives for the land comprising the 210 Stub if the 710 freeway tunnel is not built.

2. The CPP's Goal

The CPP's goal is to encourage the citizens of Pasadena and surrounding communities to envision what could replace the barren concrete strip of road, to take steps to determine how best to revitalize this dead space, and to create an economically viable, sustainable, and beautiful new place to benefit Pasadena and the entire San Gabriel Valley region. To that end, the CPP held two workshops (described below), with approximately 180 citizens, to generate alternatives for the Stub.

D. Summary of Benefits of Revitalizing the Stub

The Stub reclamation options proposed at the CPP workshops yielded transportation alternatives that would maintain traffic patterns and speeds conducive to beneficial social and economic interchange.

First, existing traffic would be managed and—unlike the tunnel—revitalization options would not induce the additional 180,000 trucks and cars on the 210 and 134 freeways.

Second, the CPP land use scenarios and resulting transportation options align with the City of Pasadena's transportation goals and are compatible with rail and other transit services as well as bicycle and pedestrian pathways.

Third, the Stub reclamation presents a development and place making opportunity for the City of Pasadena that will not harm environmentally sensitive habitat or require the demolition of historically important structures.

Finally, the results of the CPP workshop proposals indicate that redeveloping the Stub could potentially generate 3 million dollars or more in annual tax revenue for the City of Pasadena.

Additional benefits and goals are summarized below: (Figure 1)

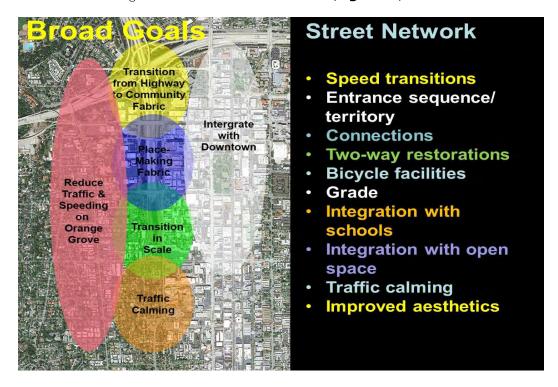


Figure 1. Broad Goals of the CPP

Better Access and Movement:

- Reestablish relationships between parts of the city that were severed by the Stub and eliminate the current barrier effect;
- Provide multiple routing options for pedestrians, cyclists, transit services, and motorists;
- o Provide direct access to existing property and new development, increasing convenience and reducing vehicle miles traveled (VMT);
- o Increase safety by lowering motorists' speeds; and
- o Convert motor vehicle trips to walking, cycle, and transit trips.

• Better Place:

- o Create great addresses for new development;
- Improve existing addresses, which would result in infill, intensification, and redevelopment;
- o Create a connected open space and park system;
- o Reconnect Colorado Boulevard for parades, etc.; and
- Improve the image of the area.

Better Environmental Impact:

o Reduce automobile dependency;

- Provide land uses and market opportunities to serve existing and future needs and reduce vehicle miles traveled (VMT);
- o Reduce carbon footprints and energy consumption; and
- o Reduce the sprawl effects of highways and the associated costs.

• Better Financial Outcomes:

- o Increase the local tax-base:
- o Increase the ratio of taxable land to infrastructure maintenance;
- o Increase property values in the vicinity; and
- o Reduce health costs due to stress, noise, pollution, injuries, etc.

Better Options for the State of California:

- o Improve the image of Caltrans by showing that it is a forward-thinking agency;
- o Improve the image of the **State's leadership** by demonstrating that the leaders listen to the people;
- Improve the State's finances (i.e., the capital, maintenance, and health costs); and
- o Decrease ugly, urban sprawl.

II. CREATING THE CONNECTING PASADENA PROJECT

A. The Concept

The CPP introduced the concept of re-envisioning the Stub to the public at the 2014 Annual Meeting of the West Pasadena Residents' Association's (WPRA). The idea received widespread support from attendees. Over the next five months, the CPP met with neighborhood associations, business leaders, and civic groups to gather information and ideas from residents and community leaders. Subsequently, the CPP formed a steering committee.

The appeal of developing the Stub quickly gained momentum and resulted in two Visioning Workshops in October and November 2014. The workshop participants generated a multitude of diverse, creative methods to reclaim the Stub. These proposals, which are described below, are compatible with Pasadena's transportation plans and respect the goals and policies of the land use element of the city's General Plan.

B. Visioning Workshops

Approximately 180 participants from across Pasadena and nearby communities attended the two Visioning Workshops. Guided by experts in land use, transportation, economics, civil engineering, and landscape architecture, the workshop participants provided ideas to revitalize and develop the Stub so that the area can become a useable and vibrant area of Pasadena.



CPP Workshop (Photo: Chuck Hudson)

1. Visioning Workshop #1—Land Use and Density

The goal of Workshop #1, held on October 25, 2014, was for the participants to propose potential <u>uses</u> and desired <u>densities</u> for the freeway Stub area.

The workshop began with experts providing background on the project, the goals of the workshop, and examples of similar efforts in other cities. Experts also discussed the economic potential of redeveloping the Stub area.

a) Uses

After discussion and evaluation of the expert advice, Workshop #1 participants proposed various land use scenarios for the Stub. The results of these proposals are outlined in **Table 1** below. In the table, ideas are prioritized by the frequency that they were proposed. For example, all eight workshop tables identified the reconnection of East-West streets across the Stub area as a priority.

SUMMARY of PROPOSED USES					
Use / Idea	Tables (8 total)				
East/West Street Connections					
North/South Boulevard					
Colorado Boulevard Connection					
Park, Garden and/or Open Space					
Bicycle and Pedestrian Pathways					
Pasadena Avenue 2 Way					
St. John 2 Way					
MTA Station					
Local Trolley					
Water Feature					
Subterranean Parking @ Colorado Blvd.					
Private/Public Partnership w/ Parsons Site Dev.					

Table 1. Workshop #1—Summary of Proposed Uses

b) Density

Workshop #1 participants overwhelmingly proposed densities that were greater in the north Stub around Colorado Boulevard with progressively decreasing densities going south towards California Boulevard.

c) Results

Workshop #1 participants ultimately proposed two alternative land use strategies: (See *Figure 2* on next page.)

- 1) **Alternative 1**: Fill the Stub up to current street level and transform Pasadena Avenue into a grand central boulevard and park.
- 2) **Alternative 2**: Do not fill the Stub; build structures to conform to the typography of the area in order to create a grand central boulevard characterized by commerce, housing, and recreation.

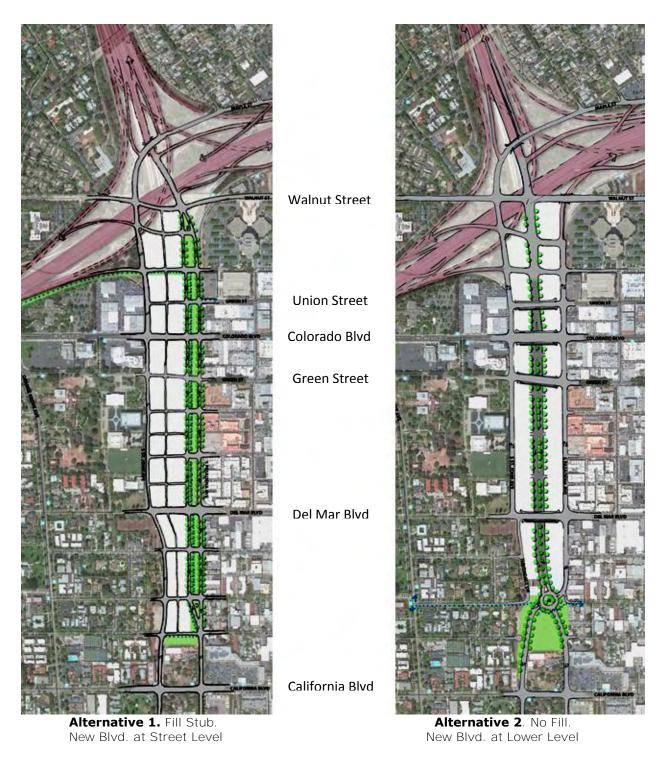


Figure 2. Blocks and Street Plan Alternatives

2. Visioning Workshop #2—Development Form and Intensity

The goal of Workshop #2, held on November 8, 2014, was for the participants to offer ideas on what <u>form and intensity</u> the development of the Stub should take in order to appropriately integrate the redeveloped area into the urban fabric of Pasadena.

Ian Lockwood, CPP adviser and transportation engineer, presented transportation concepts for Alternatives 1 and 2 that best addressed the proposed uses and ideas generated by the participants of Workshop 1. The two *Blocks and Streets Plan Alternatives* are shown in *Figure 2* above.

The concepts were developed with the following objectives:

- Establish a block structure and street network to restore the connections and relationships between the neighborhoods to the east, south, and west;
- Restore the multiple routing options and access for the public;
- Implement a Complete Streets Approach that facilitates multi-modal transportation options;
- Increase safety by eliminating the current dangerous on/off ramp configurations into and out of the Stub; and
- To the extent possible, minimize project costs by 1) utilizing the current 210 and 134 freeway interchange ramps as much as possible, and 2) recapturing as much valuable land and development potential as is feasible.

By the conclusion of Workshop #2, participants had voiced a strong preference for Alternative 1—to restore the Stub to grade level and create a "Grand Boulevard" at Pasadena Avenue. This central boulevard would serve both as a multi-modal corridor and a public green space. (See *Figure 3* below.)

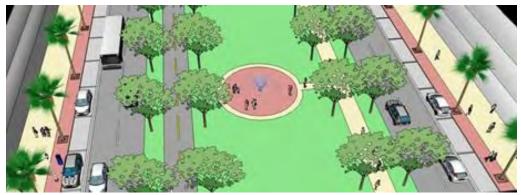


Figure 3. Alternative 1—Grand Boulevard

Alternative 1 is consistent with Pasadena's historic heritage and the principles of good city design. It would revitalize the area that was destroyed when the Stub was built and foster social and economic exchange within Pasadena by restoring the fabric of the city, re-establishing regular city blocks, and creating a connected street network. By extending pre-existing streets, whose lines were broken with the 1955 excavation, neighborhoods to the east and west would be reconnected. Neighborhoods in the south would be connected to new neighborhoods in the north using both St. John Avenue and Pasadena Avenue.

III. OPPORTUNITIES PRESENTED BY THE CPP STUB REDESIGN

A. Transportation Benefits

The CPP proposal creates an opportunity to better manage traffic in **Pasadena's** western corridor **and to relieve the City's neighborhoods of excessive and speeding** traffic.

The transportation proposals that emerged from the workshops align with the City of **Pasadena's** broad transportation goals that include measures to reduce car trips and encourage use of public transportation, biking, and walking, as well as improving driver, biking, and pedestrian safety.

In comparison, the proposed SR-710 tunnel will induce additional car and truck traffic at the astronomical rate of 180,000 vehicles per day. In addition to the impact this level of traffic will have on our health, environment, and quality of life, this volume of traffic will turn the already congested 210 and 134 freeways into parking lots. Moreover, many cars and trucks will avoid the tunnel for safety reasons or to avoid paying the toll (see **IV. NEGATIVE IMPACTS OF THE TUNNEL** below). Many drivers will also seek to avoid the congested freeways and end up driving on surface streets through Pasadena neighborhoods. All of this traffic will have economic implications for Pasadena as it deters visitors from coming to our city.

B. Economic Benefits

The CPP proposal creates economic opportunity through development, long-term local employment, increased property values, and tax revenue for the city. For example, the proposals made during Workshop #2 indicated the potential for a redeveloped Stub to generate \$3,000,000 or more in annual tax revenue for the City of Pasadena.

The results of all of the workshop participants' work, including the economic report, will be presented in a complete CPP Report to be issued in May 2015.

IV. NEGATIVE IMPACTS OF THE TUNNEL

Metro's proposal to dig 4.2-mile-long, deep-bore freeway tunnel would forever negatively alter the City of Pasadena. It is not an overstatement to say that the tunnel would destroy much of the character and economic value of West Pasadena and undermine the health and standard of living of all residents in the San Gabriel Valley.

Traffic Impact

• If the tunnel is completed, Metro acknowledges that there will be up to 140,000-180,000 additional vehicles on the 210 W and E each day. This will lead to gridlock conditions for everyone. Surface streets will also suffer: "Metro's own forecasts project an increase by over 40% of vehicles on local streets."

- The proposed tunnel is not intended for commuters. Rather, it will be a truck conduit, serving as part of a goods movement system to bring goods up to the I-5 and the High Desert Corridor.
- The proposed 4.2-mile-long tunnel will not have exits or on-ramps—except at either end. This further demonstrates that the tunnel is not designed for local commuters, but for pass-through truck traffic from the Ports of Los Angeles.

Cost Impact

- Government sources have quoted project cost ranges between \$1-\$14 **billion** to build the tunnel. Currently, LACMTA estimates the cost will be \$5.425 billion and SCAG estimates the cost will be \$5.636 billion. These numbers are extremely optimistic. The smaller "Big Dig" tunnel in Boston (3.5-mile, cut-and-cover tunnel) was estimated to cost \$2.8 billion in 1982 dollars (\$6 billion in 2006 dollars). Government officials in Massachusetts now acknowledge that the Big Dig project will ultimately cost at least \$24.3 billion, including interest, fines, and lawsuit payouts. The final bill will not be paid off until 2038. In addition, the *Boston Globe* found that the Big Dig Tunnel did not solve Boston's traffic woes—all it did was move the traffic around. Boston's experience proved once again that "we can't pave our way out of congestion."
- Seattle's SR99 Tunnel (1.75-mile, deep-bore toll tunnel) has also run into cost overruns. The SR99 Tunnel has been under construction since the summer of 2013. It was supposed to cost \$3.1 billion. However, construction has been halted since December 2013, when "Big Bertha," the boring machine, got stuck after excavating a mere 1,023 feet. Viii Engineers are still not sure how they're going to fix the boring machine, but they are optimistically hoping the project will be completed 2 years late. Change-order requests, which will most likely have to be absorbed by the public, have already reached \$250 million. Millions, if not billions, of dollars are likely to be tacked onto the final price tag.
- To pay for the construction and upkeep costs of the tunnel (information that is lacking in current estimates), Metro has admitted that it will enter into a public-private partnership with investors. The investors intend to make a profit from this deal and plan to charge tolls—an average payment each way through the tunnel of \$5.64 for cars and \$15.23 for cargo trucks. InfraConsult, a financial consultant, estimated that the toll road could collect from 190,000 vehicles each day by 2030 (diversion rate of 35%). However, commuters who do not want to pay over \$10 in daily tolls (or simply do not want to risk the inherent dangers of traveling through a 4.9 mile tunnel in earthquake country) will take the "short cut" through local neighborhood streets. Further, if commuters opt to bypass the toll tunnel, the public-private partnership will most likely fail.

Impact on Aesthetics and Infrastructure

- To accommodate increased local traffic, Pasadena Avenue will be widened and a third lane added from the northbound tunnel exit to Colorado Boulevard.
 Similarly, St. John Avenue would be realigned, widened, and extended from Del Mar Boulevard to California Boulevard.
- The tunnel portals will be located just north of Del Mar Avenue (Maranatha High School and Ambassador Auditorium) in the Stub. (See *Figure 4* below.)

- New freeway on- and off-ramps are proposed in Old Pasadena. The first ramp would exit north from the tunnel and feed onto Pasadena Avenue and end at Colorado Boulevard. The second ramp would start on St. John Avenue at Green Street and feed into the tunnel moving south.
- There will be a power substation (location to be determined).
- The Del Mar Bridge over the Stub will be demolished and replaced with an atgrade road after tunnel drilling and construction is completed.
- The Green Street Bridge will be demolished and rebuilt.
- A large Operations Maintenance and Control Facility will be located above the covered tunnel between Del Mar Avenue and the Sequoyah School on California Boulevard.



Visual Simulation: Proposed northern portal.

Figure 4. Metro's visualization of the proposed tunnel portals is not to scale and has been designed without referencing Pasadena's architectural and historical heritage.

Health Impact

The particulate matter from the huge increase in daily traffic on the 210 and 134 freeways will compromise the health of everyone who lives in the San Gabriel Valley. "Because of their small size—some are just a few molecules across—tiny particulates are essentially minuscule bullets, delivering toxins deep into the body where larger particles can't reach."

Pollution from vehicle exhaust—both from road traffic and tunnel traffic—is also a significant concern. Metro has proposed two air ventilation facility options: 1) six 50-foot smokestacks that will rise up from the floor of the Stub between Pasadena Avenue and St. John Avenue and will expel the exhaust just above street level—right into West Pasadena and Old Town; 2) One 50-foot foot ventilation structure will be located at the southeast corner of the SR-710 and 134 interchange. (See *Figure 5*.)



Visual Simulation: Proposed View at W. Colorado Blvd.

Figure 5 Metro's visualization of the proposed ventilation stacks at Colorado Boulevard in Old Pasadena. Aside from health concerns, the proposal is clearly out of character with Pasadena's architectural heritage and sense of place.

- Children and those with compromised immune systems—such as the elderly and the sick—are particularly susceptible to freeway toxins. The California Air Resources Board has stated that it is advisable to avoid building homes, schools, playgrounds, day care centers, and medical facilities within 500 feet of freeways. XII
 - Huntington Hospital will be across the street from the northern terminus of the tunnel.
 - Metro has identified 17 existing Pasadena schools within .5 miles of the "Build Alternatives".

Safety Impact

• Studies have shown that "severe accident rates and cost rates in tunnels are . . . often found to be higher than those on the corresponding motorways." "In a tunnel the risk of being killed in a traffic accident is twice as high as on open stretches of motorways."

 The risk of death from fires caused by traffic collisions in tunnels is particularly concerning. The proposed tunnel will have no vehicle exits except on either end.
 If a fire occurs, there will be no easy way to escape, especially for those with limited mobility.

[Additional sources for preceding facts can be found at: http://www.no710.com/_pdf/why710badfootnotes72713.pdf]

V. THE CPP GOING FORWARD

The CPP is an ongoing project by volunteer citizens with the assistance of expert advisors. Advancement of the CPP and its proposals will depend on a multitude factors.

First, the City of Pasadena, Caltrans, and Metro must take certain actions. The City of Pasadena cannot develop the Stub land unless and/or until Caltrans "releases the land" to the City of Pasadena. How would this proceed and how would private developers fit into this process?

Second, it is certain that many of the Pasadena's transportation goals will be severely compromised if the tunnel is not defeated. The economic benefits from the land use development envisioned by the various CPP scenarios could not be realized because that type of development could not be built over cap-and-cover due to construction limitations.

Third, Pasadena's Economic Development and Planning Departments cannot legally comment or address the land use and development in this area until the City takes ownership of the property. Therefore the proposals created by the participants in the CPP workshops are not actionable until the property is transferred from Caltrans to the City of Pasadena.

Nevertheless it is important to continue the CPP project as other stakeholders review Metro's SR North 710 Study. For example, the CPP can begin to explore how the Caltrans land can be acquired, even if piecemeal. The CPP is eager to work with the City of Pasadena to determine how the CPP's vision might be incorporated into City's General Plan once an acquisition plan is developed and the land is acquired.

As the project moves forward and the preferred land use and forms are solidified, more detailed plans will be developed. Funding sources for developing these plans will be generated at that time.

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SECTION 2
Summary of Workshop 1
Land Use and Density

SUMMARY of PROPOSED USES							
Use / Idea			7	ables	(8 tota	l)	
East/West Street Connections							
North/South Boulevard							
Colorado Boulevard Connection							
Park, Garden and/or Open Space							
Bicycle and Pedestrian Pathways							
Pasadena Avenue 2 Way							
St. John 2 Way							
MTA Station							
Local Trolley							
Water Feature							
Subterranean Parking @ Colorado Blvd.							
Private/Public Partnership w/ Parsons Site Dev.							

Participants

Shaun Dunnick, Jim Fahlgren, Ross Glazier, Waynna Kato,

Mary Ann Parada, Nikki Sweet

Uses by Area

Area A	Area B	Area C	
Sports Arena for schools	Green Space	Lake	
Place for Concerts			
Entertainment Facility			
Hotel			

Density by Area

High	Low	Low
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Mobility

Ideas for Transportation, streets,walkways, bike ways

Reconnect E/W collector streets to south – ie Palmetto Bellevue	
Boulevard thru N/S	
New MTA station for –connecting Gold and Red w/access to both	
Pasadena - 2 way	
St. John - 2 way	
Develop walking path	
PPP W/Parsons site owner	
Speed transitions	
Reduce lanes in the stub	
Reconnect parts of the city,cut to Palmetto instead & by pass/protect Sequoyah School	
Improve, continue connectivity of Arroyo Pkwy to 210	

Participants

Larry Wilson, Phoebe Wilson, Jody Hudson, Cathy Morrison,

Jonathan Gold, Leon Gold, Gloria Klaparda, Marsha Rood, Barbara Miller, David Wolf

Uses by Area

Area A	Area B	Area C
Commercial Infill	Major park	Community Gardens
Subterranean parking	Public art	Water feature
Streetcar – Green St.		Water storage
View to San Gabriels		Water use education
		Public art

Density by Area

High	Low	Low
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Mobility

Ideas for Transportation, streets, walkways, bike ways

Reconnect street grid across ditch—Collector streets to south, Palmetto/Bellevue	
Boulevard North South - 2 lanes each way for boulevard	
Tangerine Line: to Burbank (Gold/Red through Glendale)	
Southerly reconnect,	
north south bike path	
Pasadena – 2 way	
St John - 2 way	
Street car at Green/Union/Orange Grove connecting downtown	
Take pressure off Orange Grove	
PPP with Parsons site owner	
Better transition to 210 via Arroyo Parkway North	

Participants

Maya Soucar, Jill Fosselman, Claire Bogaard, Bob Holmes

Uses by Area

Area A	Area B	Area C
Reconnect Col. Blvd	High density mixed use	Grade leveling sooner
Mixed use	TOD adjacency	Bellevue Ave cross
Extend Old Pas feel	CD adjacency	Amphitheatre
	Park with engaging feature	Community facility
	Conn. Dayton &/or Valley	Extend Old Pas. feel

Density by Area

|--|

Mobility

Ideas for Transportation, streets,walkways, bike ways

Reconnect E/W streets across Area C	
Keep two way north south traffic intact	
Stub becomes major boulevard	
Pas Avenue two way	
St. John two way	
Concern for south exits—how transition to rest of city	
How solve terminus	

Participants

Iris Yamashita, Suki Yamashita, Justin Chapman,

Sarah Gavit, Dan Beal, Margaret McAustin

Uses by Area

Area A	Area B	Area C
Connect to Old Pas	Mixed use	Lesser density
Highest value	Reg. Attraction-Museum	open space
Highest density	Open space with ped.	dog park
Transport Infrastructure	Not Westgate density	Connect east and west
Trolley		
Decked parking		

Density by Area

High	Mid	Low

Mobility

Ideas for Transportation, streets, walkways, bike ways

Trolley,	
D'I a constant la della constant	
Bikeways, pedestrian paths	
Grand Blvd N/S	
Reconnecting E/W area c	

Participants

Brice Buckley, Ellen Brasin, Ely Lester , Jonathan Edewards, Ali Barar,

John Shaffer, Alexandria Hoeval

Uses by Area

Area A	Area B	Area C
Retail across Colorado	dog park	Restore housing fabric
	public square	small scale
	civic space	high density

Density by Area

High	Low	Low
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Mobility

Ideas for Transportation, streets, walkways, bike ways

Rail yard – below grade	
Reconnect all E/W streets at grade	
Possible future Gold Line/Burbank line to Airport	
Possible N/S boulevard to avoid super blocks	
No need for central boulevard in the middle of ditch	
North South Alleys	
Possible boulevard cap expansion to increase pedestrian traffic	
Boulevard on grade south of Green or Dayton	
Widening of Pas Ave like Fair Oaks – north of California	
Widening of St. John like Fair Oaks – north of California	

Participants

Greg Gunther, Sylvia Holmes, Sylvia Plummer,

Jan Soo Hoo, Kathy Higgans, Pat Roughan

Uses by Area

Area A	Area B		Area C	
Rose Parade Park	Retail across Gre	een St.	Reverts to old street grid	
Gateway to Old Pasadena	Pedestrian bridge	es	Soccer fields and parks	
Parking underground	Pocket parks and	d plazas	Knit fabric btwn E/W sides	
	Retail and Mixed	luse	Family friendly low density	
	Community Cent	ter		
	Bicycle path way	1		
	dog park			
	Music and Theat	ter		

Density by Area

Low	Mid	Low
-----	-----	-----

Mobility

Ideas for Transportation, streets, walkways, bike ways

Trolley people around City

Unifying water feature like river walk in San Antonio

Participants

John Plummer, Jim Keatley, Joanne Nuckols, Tom Williams

Joe Dailey, Gazelle Raye Wichner

Uses by Area

Area A	Area B	Area C
Extend area to Walnut		Limit area to Palmetto

Density by Area

High	Mid	Low

Mobility

Ideas for Transportation, streets,walkways, bike ways

Connect to a N/S arterial	
Reconnect E/W collector streets—Bellevue, Palmetto, etc.	
New MTA station-red line to gold line- Burbank Airport & Glendale	
Pas Ave - 2 way	
St John - 2 way	
PPP w/Parsons site (west side)	
Restore Pas Avenue south, traffic calming to Columbia	

Participants

Tom Siefert, Bill Thomson, Andre de Salis, Neil Kleinman, Therese Brummel,

Dale Brown, Bob Huddy, Joan Aarestad

Uses by Area

Area A	Area B	Area C
Mixed use	Flexible Uses	Fill Palmetto-Belvue area
Higher Density	Multi Modal Transport	
	Bike/ Pedestrian	

Density by Area

High	Mid	Low
Mobility		
Ideas for Transportation, streets	,walkways, bike ways	
Park Bridges		
Underground Dwellings		
Underground Parking		
Underground Roads		
Taller Bldgs on East Side		
Bridges with Container Buildings		
Old Pasa West Termination		

Summary of Density by Area

Table No	Area A	Area B	Area C
1	High	Low	Low
2	High	Low	Low
3	High	High	Mid
4	High	Mid	Low
5	High	Low	Low
10	Low	Mid	Low
11	High	Mid	Low
12	High	Mid	Low

Additional Uses and Ideas

(Items listed only once)

Water storage	Retail and Mixed use – Area B
Water use education	Retail across Green St.
Amphitheatre – Area C	Connection to the Ambassador Theater
Community facility	Park Bridges
Regional Attraction-Museum	Underground Dwellings
North South Alleys	Underground Roadways
Taller Bldgs on East Side	Bridges with Container Bldgs.
Old Pasa West Termination	



SECTION 3

Summary of Workshop 2

Development Form and Intensity

Connecting Pasadena Project Appendix B – Workshop 2 Results

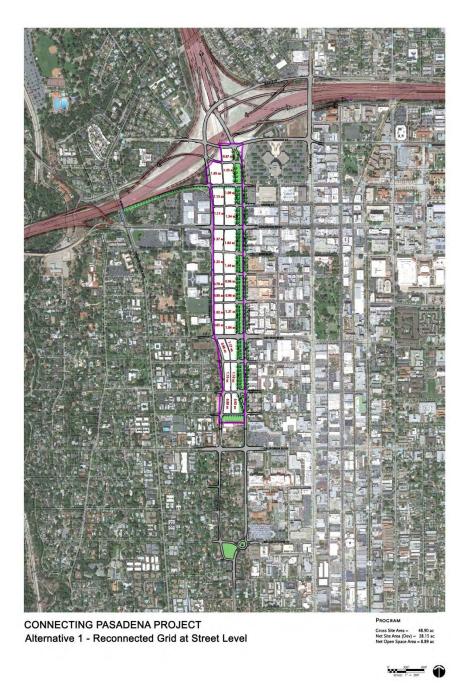


Fig 1.Blocks and Streets Diagram- Alternative 1-Redesigned Pasadena Avenue as Boulevard at City Street level.



Fig 2. Blocks and Streets Diagram- Alternative 2- New Boulevard at existing lower roadway elevation.

Appendix B – Workshop 2 Results



Intensity Option 1 – High



Intensity Option 2 - Mid



Intensity Option 3 - Low

Appendix B – Workshop 2 Results

Illustrative Revenue Capacity

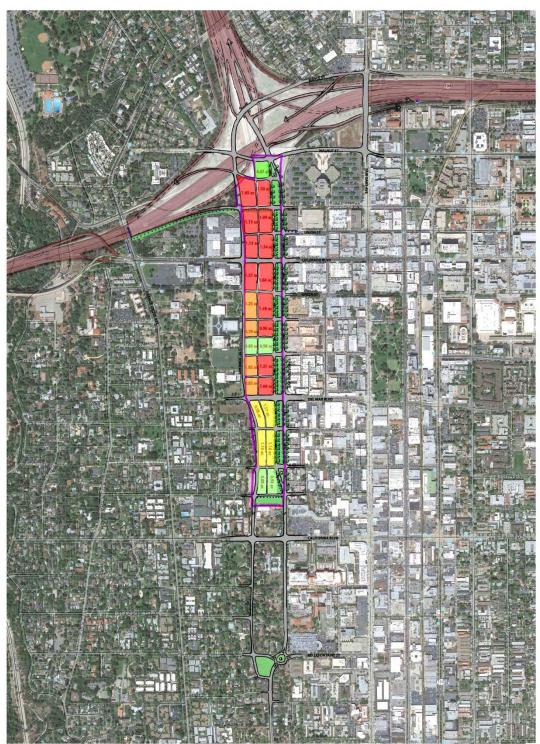
	Land Value/Acre	Tax Rev./Year/Acre	30 Year NPV / Acre
Intensity Option 1	\$10Mil \$15+Mil.	\$220,000	\$ 4.3 Million
Intensity Option 2	\$6 Mil \$10+ Mil.	\$100,000	\$ 1.9 Million
Intensity Option 3	\$4 Mil \$6+ Mil.	\$20,000	\$ 0.4 Million

Preliminary 'Feasibility' Thresholds

- Project Alternative 1 needs to generate \$ 50 Million to \$ 80 Million in land sales revenues in order to support up front costs.
- Project Alternative 2 needs to generate \$ 15 Million to \$ 20 Million in land sales revenues in order to support up front costs.
- The Project needs to make a positive fiscal contribution to the City. This should be in the range of \$ 3 Million to \$ 5 Million in annual tax revenues.
- Project needs to ensure positive impacts from Induced Sales and Property Tax Revenues from surrounding neighborhoods.

Fig 4. Economic Feasibility Assumptions

Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT
Alternative 1 - Reconnected Grid at Street Level

Table 1 - Workshop 2

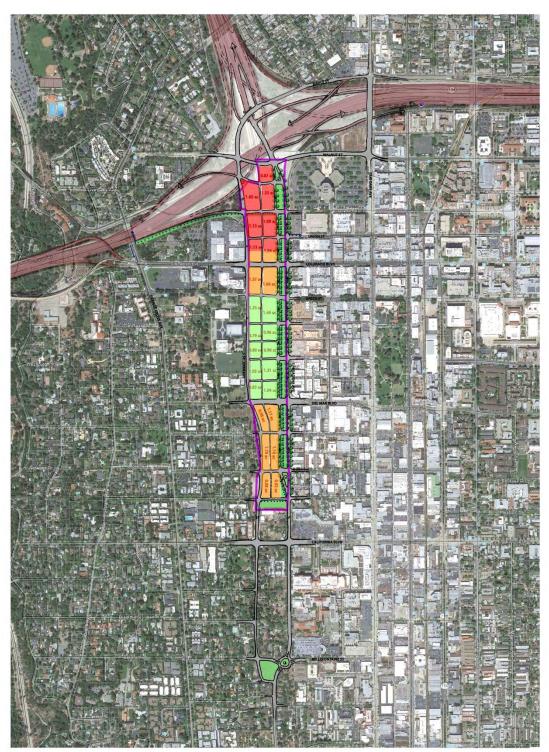
PROGRAM

Gross Site Area = 48.90 ac Net Site Area (Dev) = 28.15 ac Net Open Space Area = 8.89 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT
Alternative 1 - Reconnected Grid at Street Level

Table 2 - Workshop 2

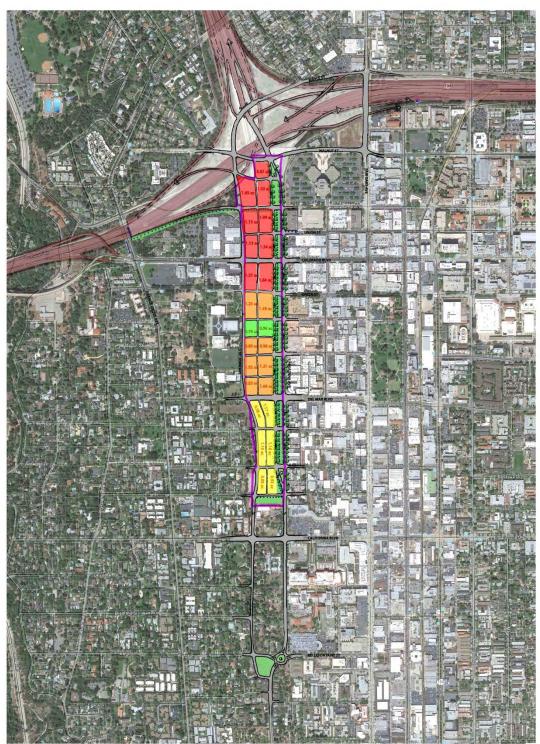
PROGRAM

Gross Site Area = 48.90 ac Net Site Area (Dev) = 28.15 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT
Alternative 1 - Reconnected Grid at Street Level

Table 4 - Workshop 2

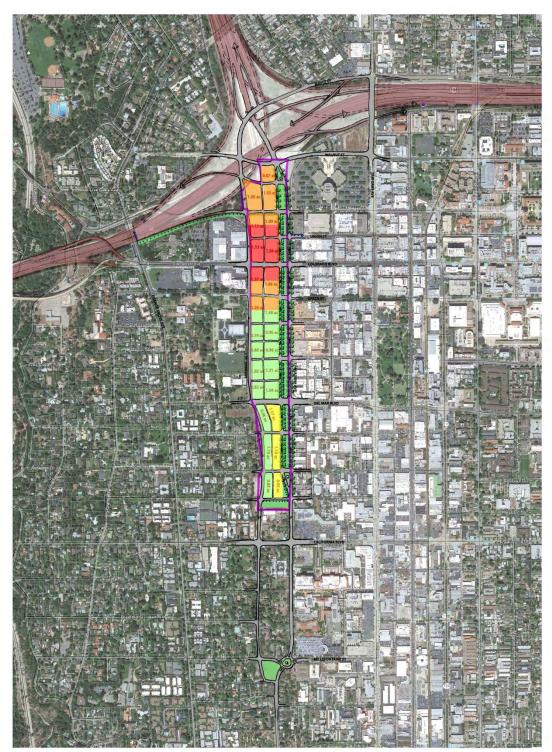
PROGRAM

Gross Site Area = 48.90 ac Net Site Area (Dev) = 28.15 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT
Alternative 1 - Reconnected Grid at Street Level

Table 5 - Workshop 2

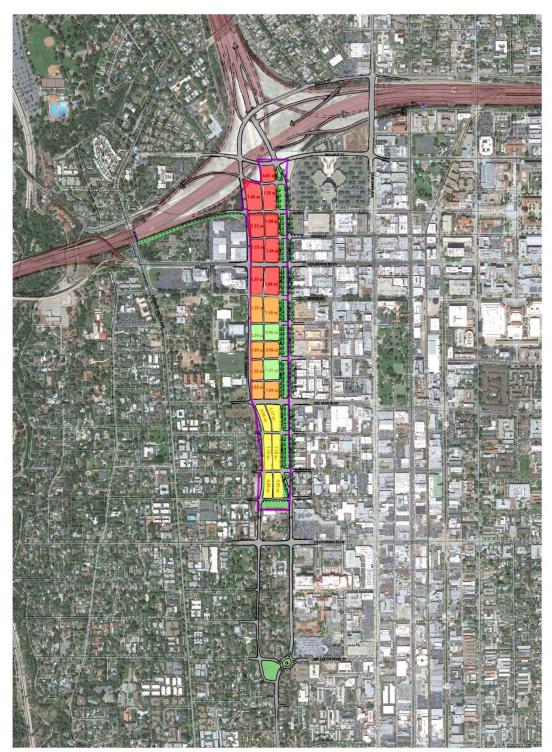
PROGRAM

Gross Site Area = 48.90 ac Net Site Area (Dev) = 28.15 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT
Alternative 1 - Reconnected Grid at Street Level

Table 6 - Workshop 2

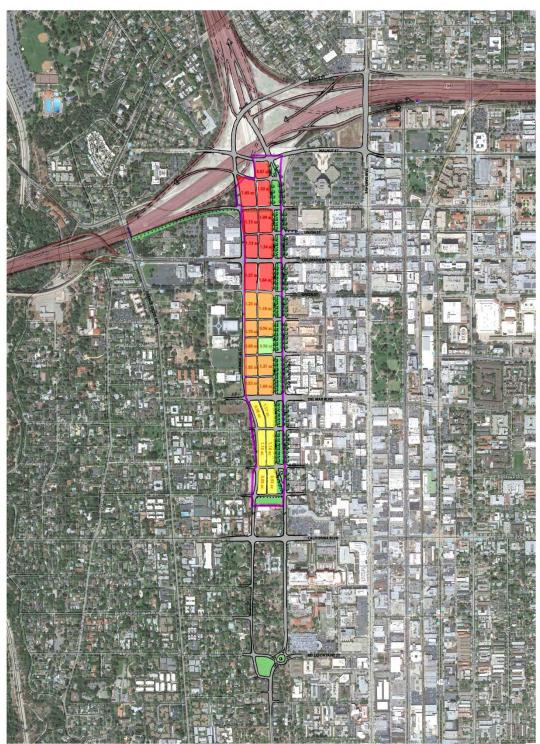
PROGRAM

Gross Site Area = 48.90 ac Net Site Area (Dev) = 28.15 ac Net Open Space Area = 8.89 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT
Alternative 1 - Reconnected Grid at Street Level

Table 7 - Workshop 2

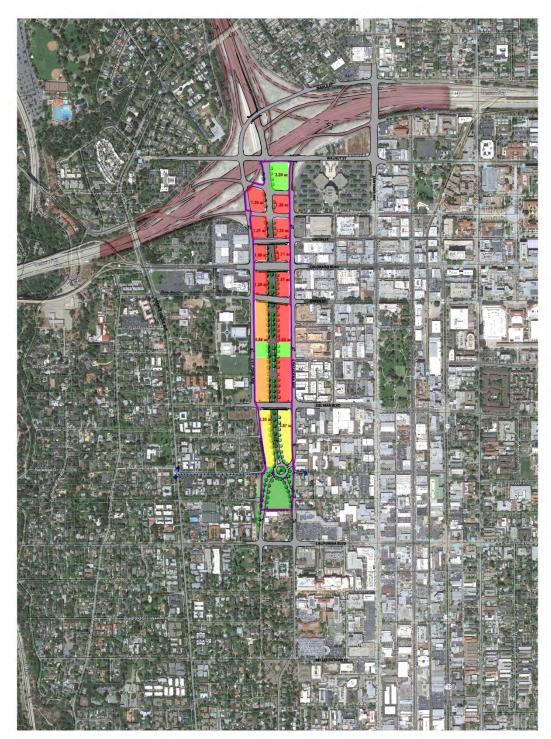
PROGRAM

Gross Site Area = 48.90 ac Net Site Area (Dev) = 28.15 ac Net Open Space Area = 8.89 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT

Alternative 2 - Central Boulevard In the "Ditch"

Table 1 - Workshop 2

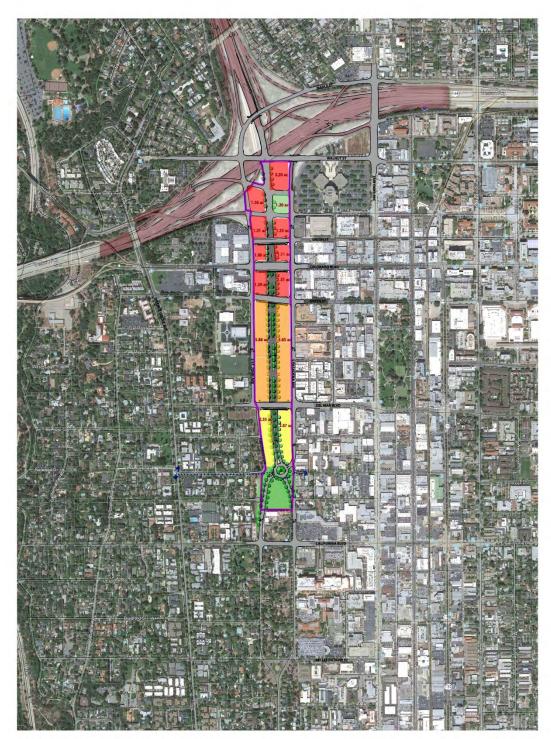
PROGRAM

Gross Site Area = 48.90 ac
Net Site Area (Dev) = 29.44 ac
Net Open Source Area = 5.13 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT

Alternative 2 - Central Boulevard In the "Ditch"

Table 2 - Workshop 2

PROGRAM

Gross Site Area = 48.90 ac

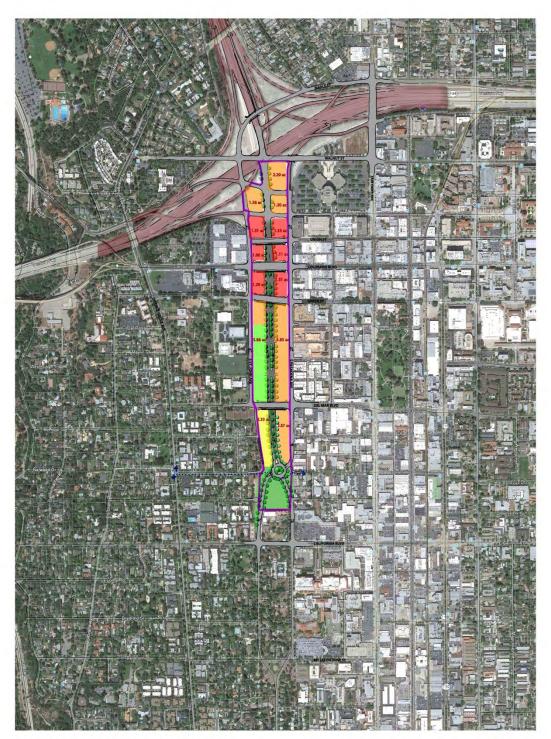
Net Site Area (Dev) = 29.44 ac

Net Open Space Area = 5.13 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT

Alternative 2 - Central Boulevard In the "Ditch"

Table 5 - Workshop 2

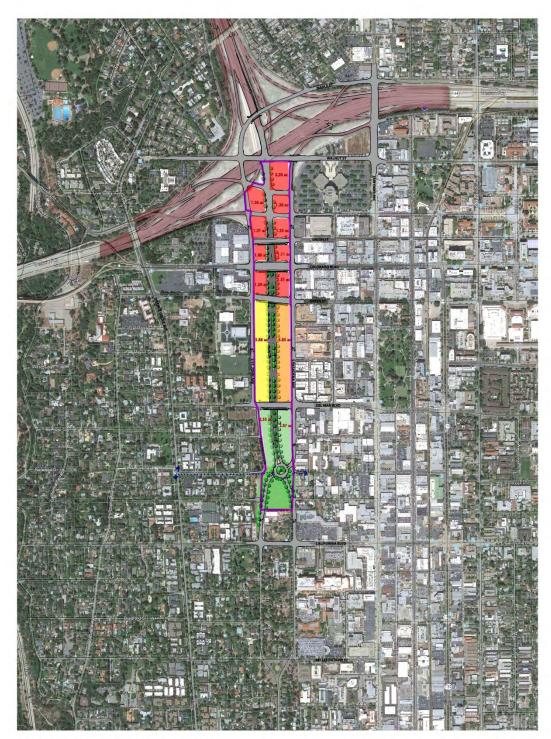
PROGRAM

Gross Site Area = 48.90 ac
Net Site Area (Dev) = 29.44 ac
Net Open Space Area = 5.13 ac





Appendix B – Workshop 2 Results



CONNECTING PASADENA PROJECT

Alternative 2 - Central Boulevard In the "Ditch"

Table 6 - Workshop 2

PROGRAM

Gross Site Area = 48.90 ac
Net Site Area (Dev) = 29.44 ac





	955		tiers exist			Exceeds Preliminary
Table 1-Alt 1	RED	ORANGE	YELLOW	GREEN	TOTAL	"Feasibility" Thresholds
	1.65	1.25	0.98	0.87		Inresnoias
	1.33	0.79	1,17	0.8		
	1.15	1.02	1.1	0.96		
	1.09	0.85	1.16	0.88		
	1,13			0.92		
	1.34	-				
Died Asset / Asset /	1.37	-				
Block Area (Acres)	1.64					
	1.49					
	0.96					
	1.21					
	1.04					
	15.4	3.91	4.41	4.43	28.15	
	15.4	3.31	4.41	4.43	20.13	
Land Value-High (Million)	231	39.1	26.46	0	296.56	Y
Land Value-Low (Million)	154	23.46	17.64	0	195.1	Υ
Tax Rev/Year	3388000	391000	88200		3867200	Υ
	100 40 40 40 40 40	7.429	1.764		75.413	
L.	66.22			GREEN	TOTAL	
0.900				GREEN		
N-200	66.22	ORANGE 0.565	YELLOW	GREEN 1.25		Exceeds Preliminary "Feasibility" Thresholds
0.900	REC	ORANGE				"Feasibility"
30 Year NPV (Million) Table 2-Alt 1	REC. 1,65	ORANGE 0.565		1.25		"Feasibility"
0.900	1,65 1.33	ORANGE 0.565 0.67		1.25 1.49		"Feasibility"
0.900	1.65 1.33 1.15	ORANGE 0.565 0.67 1.37		1.25 1.49 0.79		"Feasibility"
0.900	1.65 1.33 1.15 1.09	0.565 0.67 1.37 1.64		1.25 1.49 0.79 0.96		"Feasibility"
Table 2-Alt 1	1,65 1,33 1,15 1,09 0.87	0.565 0.67 1.37 1.64 0.98		1.25 1.49 0.79 0.96 0.8		"Feasibility"
Table 2-Alt 1	1.65 1.33 1.15 1.09 0.87 0.565	0.565 0.67 1.37 1.64 0.98 1.17		1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21		"Feasibility"
N-200	1.65 1.33 1.15 1.09 0.87 0.565	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88		1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85		"Feasibility"
Table 2-Alt 1	1.65 1.33 1.15 1.09 0.87 0.565	0.565 0.67 1.37 1.64 0.98 1.17 1.1		1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21		"Feasibility"
Table 2-Alt 1	1.65 1.33 1.15 1.09 0.87 0.565	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88		1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85		"Feasibility"
Table 2-Alt 1	1.65 1.33 1.15 1.09 0.87 0.565	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88		1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85		"Feasibility"
Table 2-Alt 1	1.65 1.33 1.15 1.09 0.87 0.565	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88		1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85		"Feasibility"
Table 2-Alt 1 Block Area (Acres)	1.65 1.33 1.15 1.09 0.87 0.565 0.67	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88 0.92	YELLOW	1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04	TOTAL 28.15	"Feasibility" Thresholds
Table 2-Alt 1 Block Area (Acres) Land Value-High (Millions)	1.65 1.33 1.15 1.09 0.87 0.565 0.67	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88 0.92	YELLOW	1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04	28.15 214.425	"Feasibility" Thresholds
Table 2-Alt 1 Block Area (Acres) Land Value-High (Millions) Land Value-Low (Millions)	7.325 1.95 1.65 1.33 1.15 1.09 0.87 0.565 0.67	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88 0.92 10.455 62.73	YELLOW 0	1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04	28.15 214.425 135.98	"Feasibility" Thresholds Y
Table 2-Alt 1	1.65 1.33 1.15 1.09 0.87 0.565 0.67	0.565 0.67 1.37 1.64 0.98 1.17 1.1 1.16 0.88 0.92	YELLOW	1.25 1.49 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04	28.15 214.425	Thresholds

Table 4-Alt 1	RED	ORANGE	YELLOW	GREEN	TOTAL	Exceeds Preliminary "Feasibility"
Table 4-Alt 1	1.65	1.25	0.98	0.79	TOTAL	Thresholds
	1,33	1.49	1.17	0.96		Thesholds
	1.15	0.8	1.1	0.50		
	1.09	0.96	1.16		-	
	1.13	1.02	0.88	-	-	
	1.34	1.21	0.92			
	1.37	0.85	0.52			
Block Areas (Acres)	1.64	1.04		1		
	0.87	1.04			1	
	11.57	8.62	6.21	1.75	28.15	
Land Value High (Millions)	173.55	86.2	37.26	0	297.01	Y
Land Value-High (Millions) Land Value-Low (Millions)	1/3.55		24.84	0	192.26	Y
Tax Rev/Year	2545400	51.72		Ü		Y
30 Year NPV (Million)	49.751	862000 16.378	124200 2.484		3531600 68.613	- T
II.		221122	ury ou	anner.		
II.						Exceeds Preliminary
II.	RED 0.575	ORANGE 0.87	YELLOW	GREEN 0.625	TOTAL	"Feasibility"
II.	0.575	0.87	YELLOW	0.625	TOTAL	
II.	0.575 0.545	0.87 1.65	YELLOW	0.625 0.745	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13	0.87 1.65 1.33	YELLOW	0.625 0.745 0.79	TOTAL	"Feasibility"
II.	0.575 0.545 1.13 1.34	0.87 1.65 1.33 0.575	YELLOW	0.625 0.745 0.79 0.96	TOTAL	"Feasibility"
II.	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545	YELLOW	0.625 0.745 0.79 0.96 0.8	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34	0.87 1.65 1.33 0.575 0.545 0.685	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96	TOTAL	"Feasibility"
II.	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85	TOTAL	"Feasibility"
Table 5-Alt 1	0.575 0.545 1.13 1.34 0.685	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17	YELLOW	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04 0.98	TOTAL 28.15	"Feasibility"
Table 5-Alt 1 Block Areas (Acres)	0.575 0.545 1.13 1.34 0.685 0.82	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17 1.16 0.92	0	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04 0.98 1.1 0.88	28.15	"Feasibility" Thresholds
Table 5-Alt 1 Block Areas (Acres) Land Value-High (Millions)	0.575 0.545 1.13 1.34 0.685 0.82 5.095	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17 1.16 0.92	0	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04 0.98 1.1 0.88 11.96	28.15	"Feasibility" Thresholds Y
Table 5-Alt 1 Block Areas (Acres) Land Value-High (Millions) Land Value-Low (Millions)	0.575 0.545 1.13 1.34 0.685 0.82 5.095	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17 1.16 0.92 11.095 66.57	0	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04 0.98 1.1 0.88	28.15 187.375 117.52	"Feasibility" Thresholds Y
Table 5-Alt 1 Block Areas (Acres)	0.575 0.545 1.13 1.34 0.685 0.82 5.095	0.87 1.65 1.33 0.575 0.545 0.685 0.82 0.625 0.745 1.17 1.16 0.92	0	0.625 0.745 0.79 0.96 0.8 0.96 1.02 1.21 0.85 1.04 0.98 1.1 0.88 11.96	28.15	"Feasibility" Thresholds Y

Table 6-Alt 1	RED	ORANGE	YELLOW	GREEN	TOTAL	Exceeds Preliminary "Feasibility"
Table 0-Alt 1	0.87	1.25	0.98	0.79	TOTAL	Thresholds
	1,65	1.49	1.17	0.96		THESTICIAS
	1.33	0.8	1.1	1.21		
	1.15	0.96	1.16	1.22		
	1.09	1.02	0,88	1		
	1.13	0.85	0.92			
	1.34	1.04				
Block Areas (Acres)	1.37	2.0				
	1.64					
	11.57	7.41	6.21	2.96	28.15	
(1) (1) (1) (1) (1) (1) (1)		200	42.5			
Land Value-High (Millions)	173.55	74.1	37.26	0	284.91	Y
	115.7	44.46	24.84	0	185	Υ
						Y
Tax Rev/Year	2545400 49.751	741000 14.079	124200 2.484		3410600 66.314	
Tax Rev/Year	2545400					
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751	14.079	2.484	GREEN	66.314	Exceeds Preliminar
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751	14.079 ORANGE	2.484 YELLOW	GREEN 0.96		Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751	14.079 ORANGE 1.25	2.484 YELLOW 0.98	GREEN 0.96	66.314	Exceeds Preliminar
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751 RED 0.87 1.65	0RANGE 1.25 1.49	2.484 YELLOW 0.98 1.17		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751 RED 0.87 1.65 1.33	0RANGE 1.25 1.49 0.79	YELLOW 0.98 1.17 1.1		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751 RED 0.87 1.65 1.33 1.15	0RANGE 1.25 1.49 0.79 0.8	YELLOW 0.98 1.17 1.1 1.16		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million)	2545400 49.751 RED 0.87 1.65 1.33	0RANGE 1.25 1.49 0.79 0.8 0.96	YELLOW 0.98 1.17 1.1		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1	2545400 49.751 RED 0.87 1.65 1.33 1.15 1.09	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02	YELLOW 0.98 1.17 1.11 1.16 0.88		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1	2545400 49.751 REC 0.87 1.65 1.33 1.15 1.09 1.13 1.34	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02 1.21	YELLOW 0.98 1.17 1.11 1.16 0.88		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1	2545400 49.751 RED 0.87 1.65 1.33 1.15 1.09	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02	YELLOW 0.98 1.17 1.11 1.16 0.88		66.314	Exceeds Preliminar "Feasibility"
Land Value-Low (Millions) Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1 Block Areas (Acres)	2545400 49.751 0.87 1.65 1.33 1.15 1.09 1.13 1.34 1.37	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02 1.21 0.85 1.04	YELLOW 0.98 1.17 1.11 1.16 0.88 0.92	0.96	TOTAL	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1	2545400 49.751 0.87 1.65 1.33 1.15 1.09 1.13 1.34 1.37	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02 1.21 0.85	YELLOW 0.98 1.17 1.11 1.16 0.88		66.314	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1 Block Areas (Acres)	2545400 49.751 0.87 1.65 1.33 1.15 1.09 1.13 1.34 1.37	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02 1.21 0.85 1.04	YELLOW 0.98 1.17 1.11 1.16 0.88 0.92	0.96	TOTAL	Exceeds Preliminar "Feasibility"
Tax Rev/Year 30 Year NPV (Million) Table 7-Alt 1 Block Areas (Acres)	2545400 49.751 0.87 1.65 1.33 1.15 1.09 1.13 1.34 1.37 1.64	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02 1.21 0.85 1.04	YELLOW 0.98 1.17 1.1 1.16 0.88 0.92	0.96	66.314 TOTAL 28.15	Exceeds Preliminar "Feasibility" Thresholds
Fax Rev/Year 30 Year NPV (Million) Fable 7-Alt 1 Block Areas (Acres)	2545400 49.751 0.87 1.65 1.33 1.15 1.09 1.13 1.34 1.37 1.64	0RANGE 1.25 1.49 0.79 0.8 0.96 1.02 1.21 0.85 1.04	2.484 YELLOW 0.98 1.17 1.16 0.88 0.92 6.21	0.96	66.314 TOTAL	Exceeds Preliminar "Feasibility" Thresholds

Table 1-Alt 2	RED	ORANGE	YELLOW	GREEN	TOTAL	Exceeds Preliminary "Feasibility"
Tuble 17412	1.56	4.86	2.33	4.2	TOTAL	Thresholds
	1.2	1.00	2.87	,,,,,		THESTIGIGS
	1.31		2.07			
	1.35				-	
	1	-				
	1.11					
	1.29					
Block Areas (Acres)	1.51					
	4.85				1	
	4.65					
	15.18	4.86	5.2	4.2	29.44	
Land Value-High (Millions)	227.7	48.6	31.2	0	307.5	Y
Land Value-Low (Millions)	151.8	29.16	20.8	0	201.76	Y
Tax Rev/Year	3339600	486000	104000		3929600	Y
		100000				
30 Year NPV (Million)	65.274	9.234	2.08	entity	76.588	
30 Year NPV (Million)	RED	ÖRANGE	YELLOW	GREEN	76.588	Exceeds Preliminary "Feasibility"
30 Year NPV (Million)	REC 2.2	ORANGE 5.86	YELLOW 2,33	GREEN 1.2		
30 Year NPV (Million)	RED 2.2 1.56	ÖRANGE	YELLOW			"Feasibility"
30 Year NPV (Million)	2.2 1.56 1.31	ORANGE 5.86	YELLOW 2,33			"Feasibility"
30 Year NPV (Million)	2.2 1.56 1.31 1.35	ORANGE 5.86	YELLOW 2,33			"Feasibility"
30 Year NPV (Million)	2.2 1.56 1.31 1.35	ORANGE 5.86	YELLOW 2,33			"Feasibility"
30 Year NPV (Million) Table 4-Alt 2	2.2 1.56 1.31 1.35 1	ORANGE 5.86	YELLOW 2,33			"Feasibility"
30 Year NPV (Million) Table 4-Alt 2 Block Areas (Acres)	2.2 1.56 1.31 1.35	ORANGE 5.86	YELLOW 2,33			"Feasibility"
30 Year NPV (Million) Table 4-Alt 2	2.2 1.56 1.31 1.35 1 1.11 1.29 1.51	5.86 5.85	YELLOW 2,33 2,87	1.2	TOTAL	"Feasibility"
30 Year NPV (Million) Fable 4-Alt 2	2.2 1.56 1.31 1.35 1 1.11 1.29	ORANGE 5.86	YELLOW 2,33			"Feasibility"
30 Year NPV (Million) Fable 4-Alt 2 Block Areas (Acres)	2.2 1.56 1.31 1.35 1 1.11 1.29 1.51	5.86 5.85	YELLOW 2,33 2,87	1.2	TOTAL	"Feasibility"
30 Year NPV (Million) Fable 4-Alt 2 Block Areas (Acres)	2.2 1.56 1.31 1.35 1 1.11 1.29 1.51	5.86 5.85	YELLOW 2.33 2.87	1.2	TOTAL 29.44	"Feasibility" Thresholds
30 Year NPV (Million) Fable 4-Alt 2	2.2 1.56 1.31 1.35 1 1.11 1.29 1.51	5.86 5.85 11.71	YELLOW 2.33 2.87 5.2	1.2	29.44 318.25	"Feasibility" Thresholds Y

T-EI- F AIL O	RED	ODANICE	VELLOW	CDCCAL	TOTAL	Exceeds Preliminary
Table 5-Alt 2	1.31	ORANGE 2.2	YELLOW 2.33	GREEN 4.86	TOTAL	"Feasibility" Thresholds
	1.35	1.56	2,33	4.00		mesnoids
	1,33	1.30				
	1.11	5.85			-	
	1.11	1				
	1.51	2.87				
	1,51	2.07				
Block Areas (Acres)						
	7.57	14.68	2.33	4.86	29.44	
Land Value-High (Millions)	113.55	146.8	13.98	0	274.33	Ý
Land Value-High (Millions)	75.7	88.08	9.32	0	173.1	Y
Tax Rev/Year	1665400	1468000	46600	0	3180000	Y
30 Year NPV (Million)	32.551	27.892	0.932		61.375	*
Fable 6 Alt 2	720	OPANGE	VELLOW	GREEN	TOTAL	Exceeds Preliminar
Table 6-Alt 2	RED	ÖRANGE	YELLOW	GREEN	TOTAL	"Feasibility"
Table 6-Alt 2	2.2	ORANGE 5.85	YELLOW 5.86	2.33	TOTAL	
Table 6-Alt 2	2.2 1.56				TOTAL	"Feasibility"
Table 6-Alt 2	2.2 1.56 1.2			2.33	TOTAL	"Feasibility"
Table 6-Alt 2	2.2 1.56 1.2 1.31			2.33	TOTAL	"Feasibility"
Table 6-Alt 2	2.2 1.56 1.2 1.31 1.35			2.33	TOTAL	"Feasibility"
	2.2 1.56 1.2 1.31 1.35			2.33	TOTAL	"Feasibility"
Table 6-Alt 2 Block Areas (Acres)	2.2 1.56 1.2 1.31 1.35 1			2.33	TOTAL	"Feasibility"
	2.2 1.56 1.2 1.31 1.35			2.33	TOTAL	"Feasibility"
	2.2 1.56 1.2 1.31 1.35 1 1.11			2.33	TOTAL	"Feasibility"
	2.2 1.56 1.2 1.31 1.35 1 1.11			2.33	TOTAL	"Feasibility"
Block Areas (Acres)	2.2 1.56 1.2 1.31 1.35 1 1.11 1.29 1.51	5.85	5.86	2.33 2.87	29.44	"Feasibility" Thresholds
Block Areas (Acres) Land Value-High (Millions)	2.2 1.56 1.2 1.31 1.35 1 1.11 1.29 1.51	5.85 5.85	5.86 5.86 35.16	2.33 2.87	29.44	"Feasibility" Thresholds
Block Areas (Acres) Land Value-High (Millions) Land Value-Low (Millions)	2.2 1.56 1.2 1.31 1.35 1 1.11 1.29 1.51 12.53	5.85 5.85 58.5 35.1	5.86 5.86 35.16 23.44	2.33 2.87	29.44 281.61 183.84	"Feasibility" Thresholds Y
Block Areas (Acres) Land Value-High (Millions)	2.2 1.56 1.2 1.31 1.35 1 1.11 1.29 1.51	5.85 5.85	5.86 5.86 35.16	2.33 2.87	29.44	"Feasibility" Thresholds



SECTION 4

Workshop 2

Illustrative Economic Value Framework

Appendix C

Connecting Pasadena

Illustrative Economic Value Framework

Up Front Infrastructure Replacement Costs

Benchmark Costs		
	Alternative 1	Alternative 2
Gross Area	48.9 Acres	48.9 Acres
Estimated Fill	75 %	20%
Estimated Costs		
Low	\$ 48 Mil.	\$ 13 Mil.
Mid	\$ 64 Mil.	\$ 17 Mil.
High	\$ 80 Mil.	\$ 21 Mil.

Sources of Revenue to Offset Costs

- Revenue from sale of 'reclaimed' land A one-time revenue to offset capital costs
- Recurring tax revenues to the City of Pasadena. The most substantial being property and sales taxes. This can be used to offset City public service costs
- Note that there is potentially a need for an up-front commitment of public funds which can be later offset by using the above sources.

Illustrative Revenue Capacity

	Land Value/Acre	Tax Rev./Year/Acre	30 Year NPV / Acre
Intensity Option 1	\$10Mil \$15+Mil.	\$220,000	\$ 4.3 Million
Intensity Option 2	\$6 Mil \$10+ Mil.	\$100,000	\$ 1.9 Million
Intensity Option 3	\$4 Mil \$6+ Mil.	\$20,000	\$ 0.4 Million

Appendix C

Illustrative Revenue Capacity

Example-Intensity	/ Option	1	' Back of	the	Envel	ope'	Calculatio	ns
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Land Area 1 Acre = 43,560 SF

Intensity (Floor Area Ratio) 3.5

Gross Building Area (GBA) 3.5 X 43,560 = 152,460 SF

Estimated Value Assuming \$490 X 152,460 sales at \$490/SF of GBA = \$74,705,400

Total Annual Property Taxes \$74,705,400 X 1.0%

= \$747,054

Pasadena's Share of Annual \$747,054 X 22.8%

Property Taxes = \$170,020

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Illustrative Revenue Capacity

Example-Intensity Option 1 'Back of the Envelope' Calculations

Assuming 10% of GBA as 152,460 SF X 10% Retail Space = 15,246 SF of Retail

Assuming Annual Sales of \$350 / SF

Total Annual Retail Sales \$ 350 X 15,246 = \$5,336,100

Potential Annual Sales Taxes \$5,336,100 X 1%

To Pasadena = \$53,361

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Illustrative Revenue Capacity

Example-Intensity Option 1 'Back of the Envelope' Calculations

Potential Annual Revenues to Pasadena

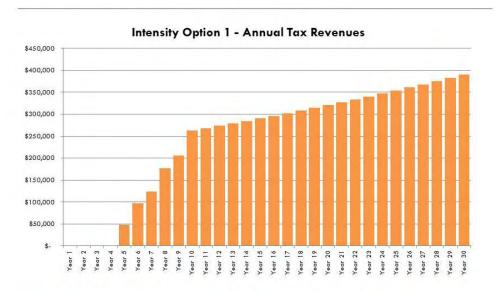
Potential Annual Property Taxes \$ 170,020/Acre

Potential Annual Sales Taxes \$ 53,361/Acre

Total Annual Taxes \$ 223,381/Acre

OR \$ 220,000/Acre/Year

Illustrative Revenue Capacity



30 Year 'Net Present Value' = \$ 4.3 Million / Acre

Preliminary 'Feasibility' Thresholds

- Project Alternative 1 needs to generate \$ 50 Million to \$ 80
 Million in land sales revenues in order to support up front costs.
- Project Alternative 2 needs to generate \$ 15 Million to \$ 20
 Million in land sales revenues in order to support up front costs.
- The Project needs to make a positive fiscal contribution to the City. This should be in the range of \$3 Million to \$5 Million in annual tax revenues.
- Project needs to ensure positive impacts from Induced Sales and Property Tax Revenues from surrounding neighborhoods.

General Limiting Conditions

- Property taxes are based on average City of Pasadena share in the Tax Rate Areas 07456, 07471 and 07500
- Net Present Value of net City revenues discounted over 30 years at a discount rate of 3%. Assumes development start in Year 5 and ramp up of absorption
- Land values and sales prices are based on a 'spot check' of prevailing asking prices and adjusted for higher density development.
- All estimates are based on benchmarks as a planning tool for workshop participants. Actual fiscal impacts based on detailed analysis may vary
- 5. These estimates do not indicate development 'feasibility'