Current Zoning	Dranged Zening Dietriet		
District	Proposed Zoning District		
	B-3		
	NMU		
B-3	CMU		
D-3	RMU		
	R-4A		
	MT		
R-O	R-O		
K-O	R-4A		
R-4	R-4		
1\-4	R-4A		
	I-1		
	I-2		
I-1	B-3		
	CMU		
	RMU		
	I-1		
I-2	I-2		
	CMU		

The following land use categories are based primarily on the draft EIA Report's ranking of the most common types of uses in the Bowl. Derived from municipal Assessor data, the names and some categories on the list were modified to match the names and categorization of equivalent land use types in Title 21. Categories can be added or removed from the model as necessary. For example, the "restaurant" use, while not the most common type of land use category in the Assessor file, was added to the list.

	Use	Comments
1	Multifamily or Mixed-use Dwelling, - 1 Bedroom	
2	Multifamily or Mixed-use Dwelling, - 2 Bedroom	
3	Multifamily or Mixed-use Dwelling, - 3 Bedroom	
4	Hotel Visitor Accommodations	
5	Office - business, professional and financial	
6	Office - health and medical	
7	Restaurant	
8	Retail, grocery store	
9	Retail, general - general, convenience store, building materials store, other retail	
10	Retail with lower parking need - pharmacy, video rental, liquor store, wholesale, business service, vehicle parts stores	
11	Retail, large durable goods store - furniture, home appliance, flooring	
12	Manufacturing, small (LT 5,000 sf)	
13	Manufacturing, large (GT 5,000 sf)	
14	Warehouse, small (LT 50,000 sf)	
15	Warehouse, large (GT 50,000 sf)	

C.	Project Development Categories	

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Note: A table of Project Development Categories will be available with the addendum to the EIA.

Building Floor Plate	Floor Area (Square Feet)	
Minimum footprint size for a one-story building	1,000	
Minimum footprint size for a 2 - 5 story building	5,000	
Minimum footprint size for a building taller than 5 stories	10,000	
Minimum footprint size for structured parking area	5,000	

Note: Model should use this factor to ensure that none of the test cases creates an unrealistic building floor plate, because this would create unrealistic assumptions about how much parking can get on site.

Site element Size	Area (Square Feet)		
Surface Parking Space	Square feet of land area	400	
Ground-level Parking Space (under the building)	Square feet of gross floor area	350	
Parking Structure Parking Space	Square feet of gross floor area	350	
Type A Loading Berth	Square feet of land area	800	
Type B Loading Berth	Square feet of land area	400	
Does structured parking count toward gross floor area in FAR	No in old Title 21 R-4 zone; yes in new		
calculation in Title 21 Rewrite?	Title 21.		

Dwelling Unit	Gross Floor Area (Square Feet) - GFA of building per dwelling	Affordable Unit - sf of unit itself
Dwelling, Multifamily - Efficiency	600	600
Dwelling, Multifamily or Mixed-use - 1 Bedroom	800	700
Dwelling, Multifamily or Mixed-use - 2 Bedroom	1,000	800
Dwelling, Multifamily or Mixed-use - 3 Bedroom	1,400	1,100
Hotel Guest Room	1,000	

Use Type	Height of each story (feet)		
Structured Parking or Ground-level Parking under a building	15		
Dwelling, Multifamily or Mixed-use - 1 Bedroom	10		
Dwelling, Multifamily or Mixed-use - 2 Bedroom	10		
Dwelling, Multifamily or Mixed-use - 3 Bedroom	10		
Visitor Accommodations	10		
Office - business, professional and financial	15		
Office - health and medical	15		
Restaurant	15		
Retail, grocery store	15	25	(select one)
Retail, general - general, convenience store, building materials	15	25	(select one)
Retail, other - pharmacy, video rental, liquor store, wholesale,	15		
business service, vehicle parts stores			
Retail, large goods - furniture, home appliance, flooring	15	25	(select one)
Manufacturing, small	25		
Manufacturing, large	25		
Warehouse, small	25		
Warehouse, large	25		
Building Height Maximums (feet)	Current	Proposed	
	Code	Code	
B-3	Unlimited	45	
R-O	Unlimited	45	
R-4	Unlimited	60	(45 by right; 60 with bonuses)
R-4A	NA	90	(45 by right; 90 with bonuses)
I-1	Unlimited except 50' of residential	50	
	district boundary		
I-2	Unlimited except 50' of residential	Unlimited	
	district boundary		
CMU	NA	60	
NMU	NA	45	
RMU	NA	60	
MT	NA	TBD	

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Building Construction - Non-industrial	Per Gross	Square Foot	
Development Projects (For technical reasons having to do with model functions and references, the following list includes all uses in the model, including uses that are unlikely to be in non-industrial projects)	Current Title 21	Proposed Title 21	% Adjustment for Proposed Architectural Standards
Dwelling, Multifamily or Mixed-use - Efficiency or Studio	\$150	\$158	5%
Dwelling, Multifamily or Mixed-use - 1 Bedroom	\$150	\$158	5%
Dwelling, Multifamily or Mixed-use - 2 Bedroom	\$150	\$158	5%
Dwelling, Multifamily or Mixed-use - 3 Bedroom	\$150	\$158	5%
Hotel	\$175	\$184	5%
Office, business, professional and financial	\$175	\$184	5%
Office, health and medical	\$265	\$278	5%
Health Club/Fitness Center	\$175	\$184	5%
Restaurant	\$175	\$184	5%
Retail, grocery	\$175	\$184	5%
Retail, general - general, convenience store, building materials	\$175	\$184	5%
Retail, other - pharmacy, video rental, liquor store, wholesale, business service, vehicle parts stores	\$175	\$184	5%
Retail, large goods - furniture, home appliance, flooring	\$125	\$131	5%
Retail, large shopping mall	\$145	\$152	5%
Manufacturing, small	\$130	\$137	5%
Manufacturing, large	\$120	\$126	5%
Warehouse, small	\$115	\$121	5%
Warehouse, large	\$110	\$116	5%
Accessory storage/mechanical area	\$125	\$131	5%

Building Construction - for use in testing	Per Gross	Square Foot	
Industrial Development Projects (For technical reasons having to do with model functions and references, the following list includes all uses in the model, including uses that are unlikely to be in industrial projects)	Current Title 21	Proposed Title 21	% Adjustment for Proposed Architectural Standards
Dwelling, Multifamily or Mixed-use - Efficiency or Studio	\$150	\$150	0%
Dwelling, Multifamily or Mixed-use - 1 Bedroom	\$150	\$150	0%
Dwelling, Multifamily or Mixed-use - 2 Bedroom	\$150	\$150	0%
Dwelling, Multifamily or Mixed-use - 3 Bedroom	\$150	\$150	0%
Hotel	\$175	\$175	0%
Office, business, professional and financial	\$175	\$175	0%
Office, health and medical	\$265	\$265	0%
Health Club/Fitness Center	\$175	\$175	
Restaurant	\$175	\$175	0%
Retail, grocery	\$175	\$175	0%
Retail, general - general, convenience store, building materials	\$175	\$175	0%
Retail, other - pharmacy, video rental, liquor store, wholesale, business service, vehicle parts stores	\$175	\$175	0%
Retail, large goods - furniture, home appliance, flooring	\$125	\$125	0%
Retail, large shopping mall	\$145	\$145	0%
Manufacturing, small	\$130	\$130	0%
Manufacturing, large	\$120	\$120	0%
Warehouse, small	\$115	\$115	0%
Warehouse, large	\$110	\$110	0%
Accessory storage/mechanical area	\$125	\$125	0%

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Parking Construction	
Surface parking	\$ 8,000 per space
Surface, under building	\$ 35,000 per space
Above grade structure	\$ 35,000 per space
Below grade structure	\$ 60,000 per space
Off-site	\$ - per space

Loading Berths	\$ 20.00 per square foot

Landscaping		Current Code	P	Proposed Code		
Visual enhancement (VE)	\$	6.91 per sq. ft.	\$	10.94 per sq. ft.		
Buffer 10' wide	\$	10.65 per sq. ft.	¢ ,	11.70 per sq. ft.		
Buffer 15' wide	not	estimated per sq. ft.	Ψ	per sq. it.		
Screening	\$	11.90 per sq. ft.	\$	11.37 per sq. ft.		
Average of VE and Buffer	\$	7.85	\$ '	11.32		

Note #1: Model weights the average of VE and Buffer toward VE in Current Code because VE is currently applied more often. Note #2: Model assumes that VE and Arterial Landscaping in Current Code have the same cost per square foot.

Site/Visual Enhancement	\$1.20 per sq. ft.	\$2.00 per sq. ft.
Site/ visual Etiliancement	\$1.20 per sq. it.	φ2.00 per sq. π.

Areas of site not covered by buildings or other facilities or required landscaping shall be landscaped.

Current Code - Visual Enhancement Landscaping							
Landscape Item	Quantity	Installed Cost					
Deciduous trees (1 inch caliper)[2]	5	\$1,500					
Deciduous shrubs (18 inch)	15 (3 shrubs per tree)	\$825					
Shredded bark mulch	800 square feet	\$3,200					
	Total	\$5,525					
	Per Square Foot	\$6.91					

Notes:

[1] Arterial landscaping is being dropped as a category in the new code and replaced with visual enhancement landscaping. It's assumed that the square foot costs are similar.

[2] The new code requires the minimum caliper of deciduous trees to be 2 inches. The minimum caliper under the current code is 1 inch for deciduous trees (for meeting visual enhancement landscaping requirements.

Proposed Code - L2 Visual Enhancement Landscaping								
Landscape Item	Quantity	Installed Cost						
Deciduous trees (2 inch cal.)[1]	20 tree units required. 5 deciduous trees (2" cal.) = 20 units.	\$2,250						
Deciduous shrubs (18")	12 shrub units required. 24 deciduous shrubs (18") = 12 units	\$1,320						
Shredded bark mulch	800 square feet	\$3,200						
Additional required landscape units (to be used for additional or larger trees and shrubs; toward existing tree retention; or hardscape items)[2]	18 landscape units are remaining. For this estimate, assume more 18" shrubs are used to create a low shrub hedge. 36 more 18" shrubs = 18 units.	\$1,980						
	Total	\$8,750 [2]						
	Per Square Foot	\$10.94						

Notes:

[1] The new code requires the minimum caliper of deciduous trees to be 2 inches. The minimum caliper under the current code is 1 inch for deciduous trees (for meeting visual enhancement landscaping requirements.

[2] Total costs of the new code will vary widely depending on how the extra required landscape units are used. For example, one existing 4" caliper tree retained within the perimeter landscaping area would be worth 20 landscape units. This could replace the \$1,980 used above to purchase additional shrubs. Also note that 18" shrubs are used in the cost comparison for the new code since this is the minimum shrub size required in the current code. However, since the new code doesn't prescribe 3 shrubs per tree which is the current policy, larger shrubs can be used which can also reduce costs. For example, 12 x 36 inch shrubs would also meet the mandatory 12 shrub units but would cost an estimated \$1,140. In addition, if the site had one existing 4-inch deciduous tree to be retained within the perimeter landscaping area, the total landscaping cost would be approximately \$7,340, or approximately 33% higher cost than the current code. If the site has more than one existing trees that can be applied to the perimeter tree requirement, the costs could be reduced even further.

Current Code - Buffer (10') Landscaping							
Landscape Item Quantity							
Evergreen trees (6 ft.)	5	\$3,000					
Deciduous trees (1-1/2 inch caliper)	5	\$2,000					
Deciduous shrubs (18 inch)	30 (3 shrubs per tree)	\$1,650					
Shredded bark mulch	1,000 square feet	\$4,000					
	Total	\$10,650					
	Per Square Foot	\$10.65					

Proposed Code - L3 Buffer Landscaping									
Landscape Item	Quantity	Installed Cost							
Evergreen trees (6 ft.)	30 evergreen tree units required. 5 evergreens (6 ft.) = 30 units.	\$3,000							
Deciduous trees (2 inch caliper)[1]	20 tree units required in addition to mandatory evergreen units. 5 deciduous trees (2 inch cal.) = 20 units.	\$2,250							
Deciduous shrubs (24 inch)	25 shrub units required. 50 shrubs (18 inch) = 25 units.	\$2,750							
Shredded bark mulch	1,500 square feet [2]	\$6,000							
Additional required landscape units (to be used	35 landscape units left over. In this case, a 4	\$3,000 (fence)							
for additional or larger trees and shrubs; toward existing tree retention; or hardscape items)[3]	ft. high ornamental screening fence is used (100 ft. x3 units/ft) =30 units and 10 additional 18" shrubs = 5 units.	\$ 550 (10 shrubs)							
	Total	\$17,550 [3]							
	Per Square Foot	\$11.70							

Notes:

- [1] The new code's minimum deciduous tree has a 2 inch caliper. For the buffer landscaping requirement, the current code allows a 1-1/2 inch caliper tree.
- [2] The new code requires a 15-foot wide landscaping bed while the current code only requires a 10-foot wide bed.
- [3] Total costs of the new code will vary widely depending on how the extra required landscape units are used. For example, two existing 4" caliper trees retained within the perimeter landscaping area would be worth 40 landscape units. That could replace the \$3,550 used above to purchase a fence and additional shrubs. Also note that 18" shrubs are used in the cost comparison for the new code since this is the minimum shrub size required in the current code. However, since the new code doesn't prescribe 3 shrubs per tree which is the current policy, larger shrubs can be used which can also reduce the number of shrubs and costs. For example, 25 x 36-inch shrubs would also meet the mandatory 25 shrub units but would cost an estimated \$2,375. For comparison purposes, assume the site has two existing 4 inch caliper deciduous trees that will be retained and 25 x 36-inch shrubs are used to meet the minimum shrub requirement. The cost of that option would total \$14,375, which has an approx. 23% higher cost than current code. If the site has more than two existing trees that can be applied to the perimeter tree requirement, the costs could be reduced even further.

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Current Code - Screening Landscaping							
Landscape Item	Quantity	Installed Cost					
Evergreen trees (8+ ft.)[1]	20 evergreen trees (two off-set rows)	\$18,000					
Deciduous trees	None required	\$					
Deciduous shrubs (30 inch)[2]	60 (3 shrubs per tree)	\$5,700					
Shredded bark mulch	3,000 square feet	\$12,000					
	Total	\$35,700					
	Per Square Foot	\$11.90					

Notes:

^[1] The current code calls for a minimum evergreen height of 6 ft. with the average evergreen height being 8 ft. For this example, all the evergreen trees are assumed to be 8 ft.

^{[2] 36} inch shrub costs are used.

Proposed Code - L4 Screening Landscaping									
Landscape Item	Quantity	Installed Cost							
Evergreen tree (8+ ft.)[1]	90 evergreen tree units required. 10 evergreens (8+ ft.) = 90 units.	\$9,000							
Deciduous tree (2 inch caliper)[2]	30 other tree units are needed. 8 deciduous trees at 2 inch caliper. = 32 units.	\$3,600							
Deciduous shrub (36 inch)	60 shrub units required. 60 x 36-inch shrubs = 60 units.	\$5,700							
Shredded bark mulch	3,000 square feet [3]	\$12,000							
Additional required landscape units (to be used for additional or larger trees and shrubs; toward	38 landscape units left over. In this case, a 3 foot high berm is used for the extent of	\$1,500 (berm)							
existing tree retention; or hardscape items)[4]	screening area = 15 landscape units, five	\$1,000							
	boulders from the site are added to the	(boulders)							
	landscape bed = 10 units, and 52 perennials =	\$1,300							
	13 units.								
	Total	\$34,100 [4]							
	Per Square Foot	\$11.37							

Notes:

- [1] Assumes 8 ft. evergreen trees even though the Public Hearing Draft doesn't specify this as a minimum height.
- [2] The new code's minimum deciduous tree has a 2 inch caliper. The current code doesn't list a minimum caliper for deciduous trees since the screening requirements call for evergreens only.
- [3] The cost estimate assumes the entire bed is covered with shredded bark, although in reality, a berm may only use mulch on the top portion of the berm under the trees and shrubs and use other seed mixes for the sloped sides of the berm.
- [4] Total costs of the new code will vary widely depending on how the extra required landscape units are used. For example, screening landscaping areas will likely have many existing trees that could qualify for tree points and some large shrubs that could qualify for shrub points. Due to the potential cost savings, the landscape unit system may encourage more tree retention, particularly for screening landscaping areas which have a wide bed.

Approximate Cost of Landscaping Materials							
Evergreen Tree (12'+ ht.)	\$1,500 each						
Evergreen Tree (10-12' ht.)	\$1,200 each						
Evergreen Tree (8-10' ht.)	\$900 each						
Evergreen Tree (6-8' ht.)	\$600 each						
Deciduous Tree (4" cal.)	\$2,000 each						
Deciduous Tree (3" cal.)	\$1,200 each						
Deciduous Tree (2.5" cal.)	\$750 each						
Deciduous Tree (2" cal.)	\$450 each						
Deciduous Tree (1-1/2" cal.)	\$400 each						
Deciduous Tree (1" cal.)	\$275 each						
Deciduous Shrub (36" ht.)	\$95 each						
Deciduous Shrub (24" ht.)	\$80 each						
Deciduous Shrub (18" ht.)	\$55 each						
Evergreen Shrub (18" ht.)	\$100 each						
Perennial & Ground Cover (#1 container)	\$25 each						
Topsoil (4" depth) & Seeding	\$1,200 MSF						
Flower Basket Support							
Earth Berm (min. 18" ht.)	\$15 lin.ft.						
Decorative Ornamental Fence (metal)	\$175 lin.ft.						
Screen Fence (Opaque; 6'+ ht)	\$30 lin.ft.						
Ornamental Pavers	\$12.50 sq.ft.						
Ornamental Concrete (exposed aggregate, etc.)	\$120 sq.yd						
Landscape Boulders (3'x3')	\$200 each						
Landscape Boulders (4'x4')	\$300 each						
Seating / Decorative Walls	\$200 lin.ft.						
Bench (min. 6' length)	\$1,800						
Trash Receptacle	\$1,500						
Bicycle Rack	\$1,000						
Landscape Irrigation (in-ground)	\$2.50 sq.ft.						
Shredded bark mulch	\$4 per sq. ft.						
Rock mulch	\$6 per sq. ft.						

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F.	Number	of parking spaces	required per	unit (res	idential or	hotel)
or	per 1000	square feet of floo	or area (comr	nercial)		

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Note: Parking requirement information is provided within the individual EIA Model Tests. A table of parking requirement assumptions will be available with the addendum to the EIA.

Minimum Setback Requirements												
		REAR										
			- N-	Abutting District								
	Land Use	FR	ONT	Residential	Non-Residential							
CURRE	NT CODE											
B-3	Residential	•	10	10	10							
B-3	Non-Residential	•	10	15	0							
R-O	Residential	•	10		10							
R-O	Non-Residential		10		10							
R-4		•	10		10							
I-1		•	10	10	0							
I-2		•	10	20	0							
PROPO:	SED CODE											
B-3			10	15	5							
R-O			10	15								
		Stories i	n Building		10							
		1 to 3	4 or More									
R-4		10	<u>10</u>		10							
R-4A		10	<u>10</u>	10	<u>5</u>							
I-1		•	10	10	0							
I-2		•	10	20	0							
NMU			<u>O</u>	15	5							
CMU			<u>O</u>	15	5							
RMU			15	5								
		For MUs,	minimum is									
			20. Set at									
			option to									
			e to less.									

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Minimum Setback Requirements										
			SIDES							
		+ per 5' over	Abuttin	ng Districts						
	asic	35' in bldg height	Residential	Non-Residential						
	NT CODE									
B-3		1								
B-3			10	0						
R-O	5	1								
R-O			0	0						
R-4	5	1								
I-1			5	0						
I-2			10	0						
	SED CODE									
B-3			10	10						
R-O			10	5						
R-4	5	1								
R-4A	5	4	<u>10</u> 5	<u>5</u>						
I-1				0						
I-2			10	0						
NMU			10	5						
CMU			10	5						
RMU			10	5						

Rear in R-6 = 50 feet, R-8 = 25 feet

Note on most of these, 0 or at least 5, nothing in between.

Note on most of these, 0 or at least 5, nothing in between. Note on most of these, 0 or at least 5, nothing in between. Note on most of these, 0 or at least 5, nothing in between.

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Proposed 0	Proposed Code - Perimeter Landscaping Requirements																						
Zoning of Proposed		Abutting District																Abutting Street					
Project	R-1	R-1A	R-2A	R-2D	R-2F	R-2M	R-3	R-4	R-4A	PLI	PR	RO	B-1A	B-3	NMU	СМИ	RMU	I-1	I-2	Freeway	Arterial	Collector	Local
R-O	L3	L3	L3	L3	L3	L3	L3	L3	L3	L2			L2		L2	L2		L2	L2	L4	L2	L2	L2
B-3	L3	L3	L3	L3	L3	L3	L3	L3	L3	L2			L2		L2	L2		L2	L2	L4	L2	L2	L2
NMU	L3	L3	L3	L3	L3	L3	L3	L3	L3			L2		L2				L2	L2	L4			
CMU	L3	L3	L3	L3	L3	L3	L3	L3	L3			L2		L2				L2	L2	L4			
RMU	L3	L3	L3	L3	L3	L3	L3	L3	L3									L2	L2	L4			
R-4	L2	L2	L2	L2								L3	L3	L3	L3	L3	L3	L3	L3	L4	L3	L2	L2
R-4A	L2	L2	L2	L2								L3	L3	L3	L3	L3	L3	L3	L3	L4	L3	L2	L2
I-1	L3	L3	L3	L3	L3	L3	L3	L3	L3			L2	L2	L2	L2	L2	L2			L4	L2	L2	L2
I-2	L3	L3	L3	L3	L3	L3	L3	L3	L3			L2	L2	L2	L2	L2	L2			L4	L2	L2	L2

Proposed Code - Parking Lot Perimeter Landscaping Requirements								
	Abutting Use or Street							
Proposed Use Type	Single Family	Other						
Multifamily	L3	L2	L2					
Nonresidential	L3	L3	L2					

Current Co	current Code - Perimeter Landscaping Requirements																		
Zoning of		Abutting District								Abutting	g Street								
Proposed Project		R-1A	R-2A	R-2D	R-2F	R-2M	R-3	R-4	PLI	RO	B-1A	B-3		I-1	I-2	Freeway	Arterial	Collector	Local
R-O																S			
B-3	В	В	В	В	В	В	В	В								S	Α	Α	
R-4																S			
I-1	В	В	В	В	В	В	В	В								S	VE	VE	
I-2	В	В	В	В	В	В	В	В		VE	VE	VE				S			

Current Code - Parking Lot Perimeter Landscaping Requirements									
	Abutting District	Abutting Street							
Proposed Use Type	Residential District	Nonresidential	Arteri Colle al ctor	Local					
B-3	10	8	6	8					
Nonresidential Use in other districts besides B-	10	8	8						
Residential Use in other districts besides B3	8	8	8						

Except in the B-3 district, parking lot perimeter landscaping requirements for p-lots adjacent to nonresidential uses only apply to p-lots with 15 or more spaces.

Required Loading Berths: Existing Title 21									
Use Type	Type of Berth	Number of Berths per Gross Floor Area of Structure							
	וויים	0	1	2	3	4			
Dwelling, Multifamily or Mixed-	В	Less than	25,000 -	150,001 -					
use		25,000 sf		400,000 sf	400,000 sf				
Hotel	В	Less than	25,000 -	40,001 -	100,001 -	More than			
Office, business, professional	В	25,000 sf	40,000 sf	100,000 sf	200,000 sf	200,000 sf			
and financial		gfa	gfa	gfa	gfa	gfa			
Office, health and medical	В								
Restaurant	В	Less than	7,000 -	24,001 -	50,001 -	More than			
Retail, grocery	В	7,000 sf	24,000 sf	50,000 sf	100,000 sf	100,000 sf			
Retail, general - general,	В	gfa	gfa	gfa	gfa	gfa			
convenience store, building materials									
Retail, other - pharmacy,	В								
video rental, liquor store,									
wholesale, business service,									
vehicle parts stores									
Retail, large goods - furniture, home appliance, flooring	В								
nome appliance, nooning									
Retail, large shopping mall	В								
Manufacturing, small	Α	Less than	12,000 -	36,001 -	60,001 -	More than			
Manufacturing, large	Α	12,000 sf	36,000 sf	60,000 sf	100,000 sf	100,000 sf			
Warehouse, small	Α	gfa	gfa	gfa	gfa	gfa			
Warehouse, large	Α								

Required Loading Berths: Proposed Title 21										
Use Type	Type of Berth	Number of Berths per Gross Floor Area of Structure								
	Dertii	0	1	2	3	4				
Dwelling, Multifamily or Mixed-	В	0 - 49	50 - 149	150 - 249	250 - 349	350 or				
use		dwelling	dwelling	dwelling	dwelling	more				
Hotel	В	Less than	25,000 -	40,001 -		More than				
Office, business, professional	В	25,000 sf	40,000 sf	100,000 sf	200,000 sf	200,000 sf				
and financial		gfa	gfa	gfa	gfa	gfa				
Office, health and medical	В									
Restaurant	В	Less than	12,001 -	24,001 -	50,001 -	More than				
Retail, grocery	В	12,000 sf	24,000 sf	50,000 sf	100,000 sf	100,000 sf				
Retail, general - general, convenience store, building materials	В	gfa	gfa	gfa	gfa	gfa				
Retail, other - pharmacy, video rental, liquor store, wholesale, business service, vehicle parts stores	В									
Retail, large goods - furniture, home appliance, flooring	В									
Retail, large shopping mall	В									
Manufacturing, small	Α	Less than	12,001 -	36,001 -		More than				
Manufacturing, large	Α	12,000 sf	36,000 sf	60,000 sf	100,000 sf	100,000 sf				
Warehouse, small	Α	gfa	gfa	gfa	gfa	gfa				
Warehouse, large	Α									

Zoning District	Existing Title 21 "usable yard" requirement per dwelling unit (sf)	Proposed Title 21 "private open space" requirement per dwelling unit (sf)	Proposed Title 21 "private open space" requirement for non-residential development as a percentage of the gross floor area of the non-residential portion of the development
R-4	100	100	5%
R-4A		100	5%
B-3	100	60	5%
RO	100	60	5%
NMU	_	60	5%
CMU		60	5%
RMU		60	5%

Note: The cost of private open space per square foot is assumed to be the same as the cost of required landscaping per square foot.

Use Type	Existing Title 21 Snow Storage Area Requirement	Proposed Title 21 Snow Storage Area Requirement	Comments
Multifamily Dwelling	No snow storage area required	the required surface parking lot (ie., 400sf * number of surface parking spaces), <i>minus</i> 25% of the	The draft code says that up to 50% of the required open space area may be used for winter snow storage, so the model splits the difference and assumes about 25% of the required open space area could be used toward the snow storage requirement.
Mixed-use Dwelling and all other uses	No snow storage area required	No snow storage area required	

Pedestrian Facility Type	Minimum Width Assumption (ft)	Total Length (walkway length expressed as a percent of Site area)	Total Square Feet	Comments
Walkway	5	0.015		Model assumes that on average required walkways will occupy an area equivalent to 1.5% of the total site area. Actual walkway requirements will vary substantially from site to site based on site specific factors.
Primary Pedestrian Walkway	12			Model assumes that a primary pedestrian walkway wil have a width of 12 feet. This includes the minimum clear width of 8 feet for the walkway itself plus (a) additional width along buildings for a sidewalk storefront zone, transition pedestrian spaces and/or building foundation landscaping; and (b) buffer space of at least 4 feet in width along streets and driveways to accommodate street trees, landscaping beds, light fixtures, utilities, etc.
Off-street Transit Stop (Arterials)	15	60	900	Model assumes that bus stops along arterial streets will be required to have bus pull-out lanes at the bus stop, which requires that more
On-street Transit Stop (Collector or Local Streets)	10	30	300	of the space needed for the bus stop staging area must be acquired from outside the right-of-way.

Source: Clanton and Associates, with revisions made by the Planning Department, Municipality of Anchorage, with input from IESNA - Alaska Chapter, September 4, 2007.

MLO REQUIREMENTS	TYPICAL DESIGN 400 WATT SEMI-CUTOFF COBRAHEAD	MLO COMPLIANT 250 WATT ONE FOR ONE REPLACEMENT
Lighting Zone	LZ3	LZ 3
IESNA Criteria		
Minimum Horizontal Illuminance (HFC)	0.5	0.5
Minimum Vertical Illuminance (VFC)	0.25	0.25
LIGHTING STATISTICS	4044000	007550
Total Lumens	1944000	887550
Allowed Lumens	2060189	2060189
Average Horizontal Illuminance (HFC)	5.2	2.7
Maximum Horizontal Illuminance (HFC)	14.4	7.3
Minimum Horizontal Illuminance (HFC)	1.0	0.5
Minimum Vertical Illuminance (VFC)	0.7	0.3
Uniformity (Avg:Min)	5:1	4:1
Uniformity (Max:Min)	14:1	12:1

	TYPICAL DESIGN					
	400 WATT SEMI-CUTOFF	MLO COMPLIANT	250			
CAPITAL COSTS	COBRAHEAD	WATT ONE FOR ONE RE	PLACENT			
Number of Luminaire Replacements	42	42				
Material Cost per Luminaire	\$257	\$360				
Total Material Cost	\$10,794	\$15,120				
Labor Cost per Luminaire	\$250	\$250				
Total Labor Cost	\$10,500	\$10,500				
Total Installed Cost	\$21,294	\$25,620	1.20			
Per square foot	\$0.082	\$0.099	1.20	Source: Development Strategies, Inc.		
ENERGY USE						
Area (SF)	258324	258324				
Number of Lamps	42	42				
Input Wattage	452	288	←Assumes electronic ballasts where possible,			
Total Power (W)	18984	12096	otherwise	pulse start		
Lighting Power Density (W/SF)	0.073	0.047				
Hrs of Operation per Day	10	10	Assumed av	erage use over entire year		
Hrs of Operation per Year	3640	3640				
Energy Use per Year (kWh)	69,102	44,029				
Cost of Energy (\$/kWh)	\$0.12	\$0.12	←From Energy Information Administration - http://www.ei			
Energy Cost per Year (\$/year)	\$8,292	\$5,284	doe.gov/c	eneaf/electricity/epm/table5_6_b.html		
ECONOMIC ANALYSIS						
Capital Cost / SF	\$0.08	\$0.10	Source: Deve	elopment Strategies, Inc.		
Savings per Year (\$/year)		\$63,818	Revised by D	Development Strategies, Inc.		
Lifetime (years)	15	15				
Discount Rate	5%	5%	Assumed a 5	5% discount rate		
USPW	10.3797	10.3797	Uniform Seri	es Present Worth factor		
Simple Payback (years)		0.1	Revised by D	Development Strategies, Inc.		
Net Present Cost (Present \$)	\$107,364	\$80,461	LifeCycle Co	st over project lifetime		
Net Present Cost / SF	\$0.42	\$0.31	7	· ·		