



Montpelier Carr Lot Replacement Studies



City Council Meeting



July 14, 2004



Agenda

- Background and Study Purpose
- Alternate Layouts
- Statistics & Potential Impacts
- Discussion

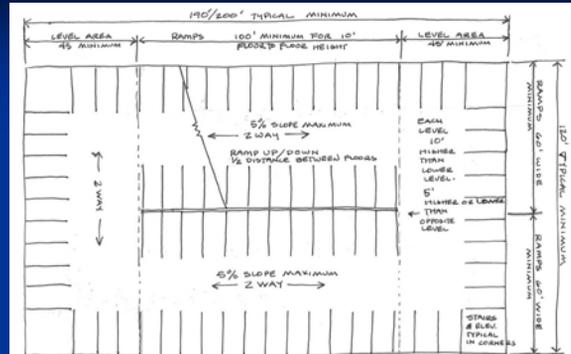


Carr Lot Replacement Potentials



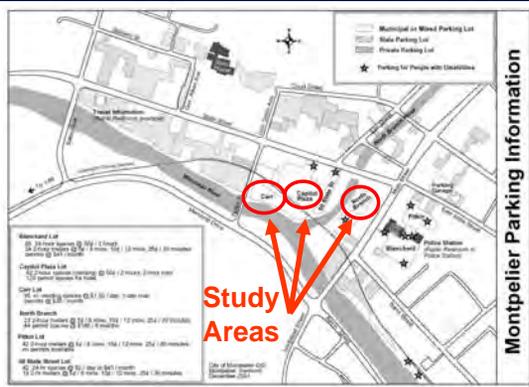
Hurper Blumstein

Efficient Parking Structure Layout



TYPICAL PARKING STRUCTURE LAYOUT FOR EFFICIENCY

Carr Lot Replacement "Finalist"



Study Areas

Montpelier Parking Information

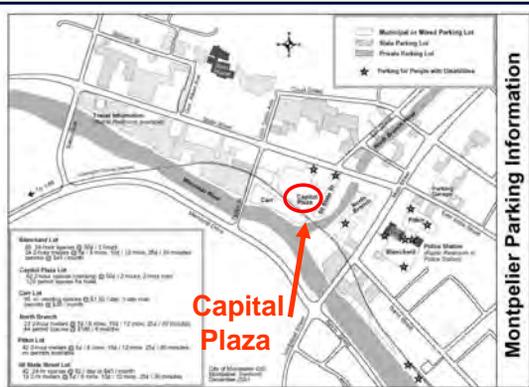
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Alternatives



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Capital Plaza Alternative

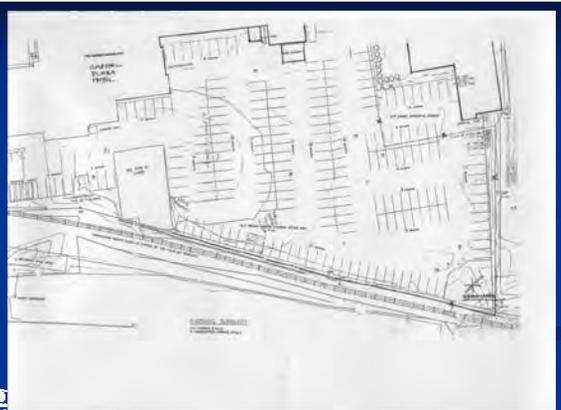


Capital Plaza

Montpelier Parking Information

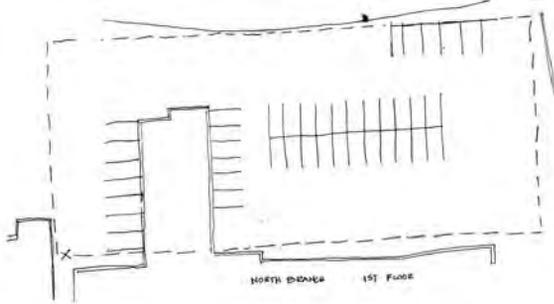
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Capital Plaza Existing

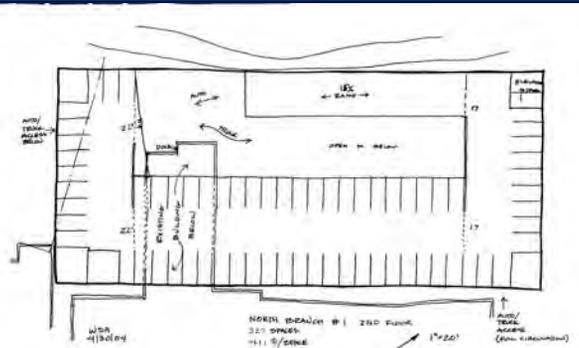


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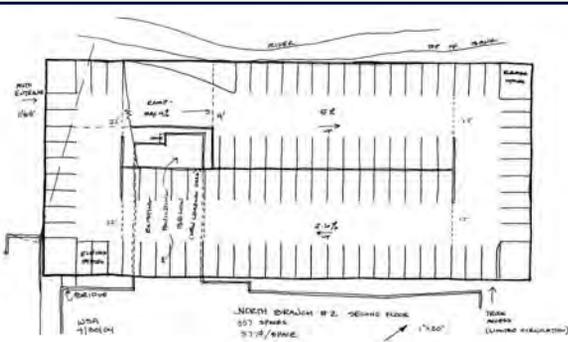
North Branch (1st level)



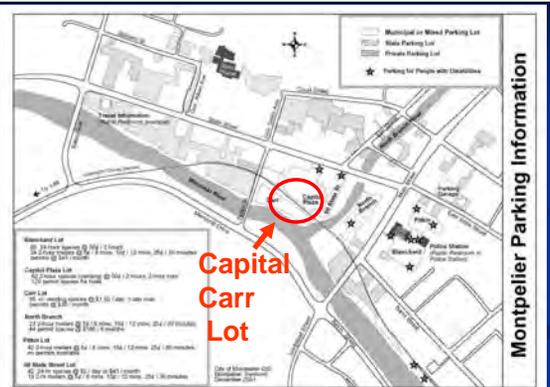
North Branch #1 (2nd level)



North Branch #2 (2nd level)

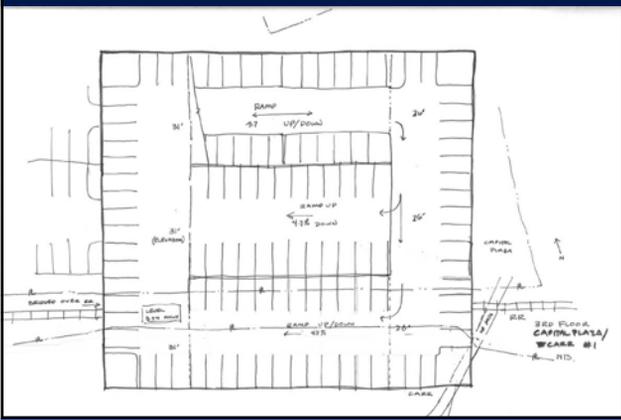


Capital Plaza/Carr

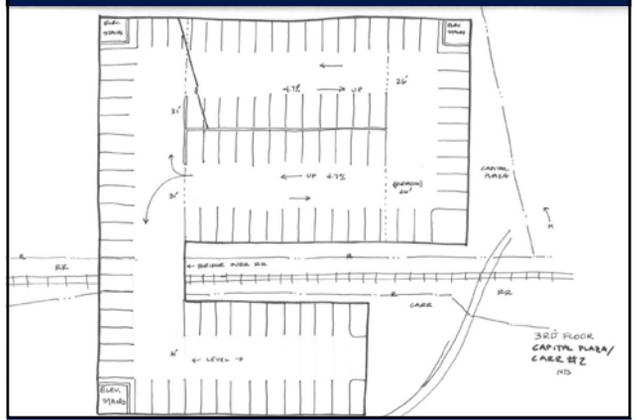


Montpelier Parking Information

Capital Plaza Carr #1



Capital Plaza Carr #2



	Capital Plaza C	North Branch/Jacobs Lot #1	North Branch/Jacobs Lot #2	Capital Plaza Carr #1	Capital Plaza Carr #2
New Spaces After Carr Lot (-130)	34	197	227	110	154
Efficiency	356 SF / Space	411 SF / Space	377 SF / Space	360 SF / Space	342 SF / Space
Estimated Construction Cost per Space	\$17,000	\$17,000	\$17,000	\$18,000	\$18,000
Total Construction Cost	\$4,607,000	\$5,559,000	\$6,069,000	\$6,246,000	\$7,038,000
Operating Cost Per Space	\$350	\$375	\$375	\$350	\$375
Total Operating Cost per Year	\$95,000	\$123,000	\$135,000	\$121,500	\$146,625

	Capital Plaza C	North Branch/Jacobs Lot #1	North Branch/Jacobs Lot #2	Capital Plaza Carr #1	Capital Plaza Carr #2
Policy Used for Analysis	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Goal	Reduce parking demand by 10% through shared parking and other measures.	Reduce parking demand by 10% through shared parking and other measures.	Reduce parking demand by 10% through shared parking and other measures.	Reduce parking demand by 10% through shared parking and other measures.	Reduce parking demand by 10% through shared parking and other measures.
Policy Description	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Assessment	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Impact	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Compliance	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Context	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Implementation	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Review	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Update	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				
Policy Notes	Policy 11.04.01 (2011) and Policy 11.04.02 (2011)				

New Trips Generated at the Carr Lot Replacement Parking Alternatives during the PM Peak Hour	
Capital Plaza	
1/3 New Spaces	23 out
Welcome Center	24 in and out
Buses	20 in and out
Staff	6 out
Total 1/3 Use	73
	46 out
Total 2/3 Use	119
Jacobs Lot	
1/3 New Spaces	12 out
Existing Carr Lot	23 out
Total 1/3 Use	35
	35 out
Total 2/3 Use	70
Level of Service and Delay Analysis	

Capitol Plaza	Existing		New Garage 1/3 use	New Garage 2/3 use	
State St. & Elm St.	LOS	Delay	LOS	Delay	
Parking Lot	North Bound	C	24.8	D	28.6
Elm St.	South Bound	D	26.8	D	30.4
State St.	East Bound	A	3.5	A	3.5
State St.	West Bound	A	0.4	A	0.4
State St. & Taylor St.	LOS	Delay	LOS	Delay	
Taylor St.	North Bound	F	629.9	F	633.3
Gov. Sears Dr.	South Bound	F	89.7	F	94.2
State St.	East Bound	A	4.2	A	4.2
State St.	West Bound	A	4.1	A	4.1
US 2 & Taylor St.	LOS	Delay	LOS	Delay	
Taylor St.	South Bound	C	24	C	26.1
US 2	East Bound Thru	B	18.4	B	18.4
US 2	East Bound Left	D	48.2	D	49.7
US 2	West Bound	C	21.6	C	23.2
Jacob's Lot	Existing		New Garage 1/3 use	New Garage 2/3 use	
Main St. & Barre St.	LOS	Delay	LOS	Delay	
Barre St.	West Bound	F	244.3	F	261.8
MMM Bldg.	East Bound	E	36.5	F	81.8
Main St.	North Bound	A	0.1	A	0.1
Main St.	South Bound	A	1.7	A	1.7
US 2 & Main St.	LOS	Delay	LOS	Delay	
Northfield St.	North Bound	F	626.7	F	630.6
Main St.	South Bound	D	41	D	46.4
US 2	East Bound	B	19.9	B	19.9
US 2	West Bound	B	18.9	B	18.9
State St. & Main St.	LOS	Delay	LOS	Delay	
Main St.	North Bound	D	35.8	D	37.9
Main St.	South Bound	F	142.2	F	142.2
State St.	East Bound	F	270.2	F	270.2
East State St.	West Bound	F	103.3	F	103.3

Discussion



Contact Information

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Study Information on City Web Site

<http://www.montpelier-vt.org/wip>

