
MEMORANDUM
OFFICE OF THE CITY ENGINEER

TO: Mayor and City Council
Hastings Planning Commission
Community Redevelopment Authority
Business Improvement District
Hastings Economic Development Corp.
Hastings Chamber of Commerce

DATE: January 31, 2011

SUBJECT: 2012-2017 One and Six Year Street Improvement Plan

I am submitting a copy as recommended by this office of the proposed One and Six Year Street Improvement Plan. The Plan is scheduled to be heard by the Hastings Planning Commission on February 21, 2011 at 4:00 p.m. and by the Hastings City Council on February 28, 2011, at 7:00 p.m. Both meetings will be held at City Hall, 220 N. Hastings Avenue, Hastings, Nebraska.

Highlights of the street program completed in 2010 are summarized as follows:

- Resurfacing North California – 2nd to 9th Street
- Resurfacing West 9th – Tilden to Marian
- Resurfacing Colorado Ave – BNRR to 14th Street
- Resurfacing U.S. #6 – South St to Elm Ave
- Resurfacing Elm Ave – South to B Street

Stimulus Projects:

- Resurfacing Showboat Blvd – 7th to 12th Street
- Resurfacing Baltimore Ave – 2nd to 12th Street
- Resurfacing 7th Street – Baltimore to Oswego Ave
- Resurfacing 9th Street – Burlington to Baltimore Ave

This activity in new resurfacing amounted to an expenditure of \$2,434,049. Of this amount \$1,259,559 was received as 100% stimulus dollars under the ARRA program.

The Street Department had a busy year in patching infrastructure and placed \$239,897 in asphalt patching and concrete repair. This was one of the worst years in maintenance repair recovering from a harsh winter of 2009-2010. Repair is still underway.

In October 2010, 12th Street – Elm Avenue to 6th Avenue was selected as a Model FHWA project. This project is currently in the early stages of development and hopefully will be built in 2013.

This office has continually made effort for the programming for Federal Aid. In November 2010, application was made for \$2 million of 80/20 funding for resurfacing of selected streets that are on our functional classification map of collector or above. The City Council ratified this request at the December 13, 2010

Council meeting. In January 10, 2011, the City Council approved a 50/50 cost sharing project on Bridge approach repair on the North 281 viaduct in Hastings.

The East Lochland Road project is currently in the R.O.W. acquisition stage and hopefully will be under contract this year.

The project list for construction in summer of 2011 is as follows:

- Lochland Road East – U.S. 281 to 1st Ave
- Bridge abutment Repair - U.S. 281 Viaduct
- Resurfacing South Street – Burlington to Elm Ave
- Resurfacing 12th Street – Marian to Nalan Dr
- Resurfacing 26th Street – 2nd Ave to U.S. 281
- Resurfacing Lochland Road – Osborne Dr to Baltimore Ave

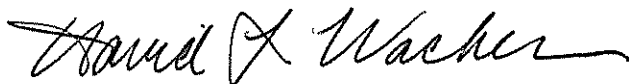
Our One Year Plan as submitted is realistic and hopefully will make a mark on street repair this coming year. In November 2010, the voters approved the ½% sales tax increase. This increase in sales tax is expected to generate approximately \$900,000 annually of funding for street repair. This is a welcomed infusion to assist in our repairs. Comprehensive evaluation of our system has shown approximate need of \$70,000,000 of improvement, and rising costs coupled with a temperate climate continues to escalate this estimate. The City currently maintains 484.98 lane miles of roads and streets.

The City is required to file the plan by March 1 of each year with the Board of Public Roads Classification and Standards. Filing of the plan by the deadline entitles the City to receive highway allocation gas tax revenues. The City expects to receive \$1,745,922 in gas tax revenues this fiscal year. In addition, this plan is to indicate a match of local resources and the accountability and utilization of same towards road and street construction and maintenance.

Please be advised that this is a planning document and not a binding contract of the City. The Hastings City Council will make final determination on all projects to be actually constructed through its budgetary process.

After careful review, I would welcome your comments on the street program in Hastings. It may be beneficial for the Council to consider a special worksession to discuss street concerns with the Street Superintendent and myself prior to formal adoption. I will be available for any questions you may have and will look forward to discussing the plan with you at the formally scheduled meetings on February 21, 2011 and February 28, 2011.

Sincerely,



David L. Wacker, P.E.
Director of Public Works
City Engineer

DLW/kj

pc: Joe Patterson, City Administrator
Richard Cartier, City Planner
Marvin Schultes, Hastings Utilities Manager
Richard Douglas, Street Superintendent

**Board of Public Roads Classifications and Standards
Form 11 Report of Previous Year
Highway or Street Improvement
Six-Year Period Ending September 30, 2011**

Sheet 1 of 1

COUNTY:			CITY: HASTINGS		VILLAGE:	
PROJECT NUMBER	LENGTH	UNIT OF MEASURE	PROJECTED COST	CONTRACT PROJECT	OWN FORCES	DATE COMPLETED
URB-5505(3) CN 42636 Baltimore Ave-2nd St to 12th St	0.24	Miles	657	x		10/1/2010
URB-5512(8) CN 42635 7th Street-Baltimore to Oswego	0.24	Miles	167	x		12/3/2010
URB-5514(3) CN 42634 9th Street-Burlington to Baltimore	0.50	Miles	423	x		7/26/2010
URB-5527(1) CN 42637 Showboat Blvd-7th St to 12th St	0.58	Miles	340	x		11/17/2010
M-330(83) C1-347 Bridge No C000101210	N/A	Miles	713	x		Delayed One Year
M-330(94) URB-5514(2) CN 42578	0.31	Miles	770	x		Delayed One Year
M-330(91) URB-7552(1) CN42525	0.64	Miles	1,350	x		Delayed One Year
STPAA-5516(7) 12th St-Elm to 6th Ave	0.5	Miles	1,261	x		Delayed One Year
M-330(95) Marian Rd Traffic Signal Improvements	N/A	Miles	400		x	Delayed Two Years
PD 2008-6 35th Street	0.14	Miles	123	x		2/8/2010
Miscellaneous Railroad Quiet Crossing	N/A	Miles	500		x	Delayed 2 to 6 Years
SIGNATURE:			TITLE: Director Public Works/City Engine		DATE: 2/28/2011	

SUPPLEMENT TO FORM 11
CURRENT PROJECT LISTING

STATE PROJECTS (FEDERAL FUND ELIGIBILITY 80%)

M-330(83) CI 347 Bridge No. C000101210	42 nd Street Bridge – East of Turner Ave
M-330(94) URB-5514(2) CN 42578	9 th Street – Turner Ave. to 2 nd Ave.
M-330(91) URB-7552(1) CN 42525	Lochland Road – US 281 East 3,400'
STPAA 5516(7) CN 42292	12 th Street – Elm Avenue to 6 th Avenue
URB-5516(8) CN 42631	Multiple Locations Project: 12 th Street – Marian Road to Nalan Drive 26th Street – 2nd Avenue to Hwy 281 Access South Street – Burlington Avenue to Elm Avenue Lochland Road West – Baltimore Avenue to U.S. 281

RECREATIONAL TRAILS

ENH-1(50) CN 42688	Pioneer Spirit Trail Phase III A (East Section)
ENH-1(51) CN 42688A	Pioneer Spirit Trail Phase III B (West Section)

MISCELLANEOUS PROJECTS

M-330(95)	Traffic Signal Improvements Marian Road (5 th & 7 th Street)
STR-34-4(1027) CN 42680	U.S. #6/34 Bridge Expansion Joint & Panel Repair

**Board of Public Roads Classifications and Standards
Form 8 Summary of One-Year Plan
Year Ending September 30, 2012**

Sheet 1 of 1

COUNTY:		CITY: HASTINGS			
PRIORITY NUMBER	PROJECT NUMBER	LENGTH	UNIT OF MEASURE	ESTIMATED COST	REMARKS
	URB-5516(8) CN 42631	2.49	Miles	922	12th Street Marian Rd to Nalan Dr
	" "	0.9	Miles	309	26th Street 2nd Ave to US 281 Access
	" "	0.91	Miles	435	South Street Burlington Ave to Elm Ave
	" "	1	Miles	371	Lochland Rd West US 281 to Baltimore Ave
	PD 2008-2 M-330(91) URB-7552(1) CN 42525	0.64	Miles	1,350	Lochland Road US 281 East 3400'
	STR-34-4(1027) CN 42680	N/A	Miles	121	U.S. 281 Viaduct - Bridge Abutment Repair
	M-330(95)	N/A	Miles	400	Traffic Signal Improvements Marian Rd
	M-330(83) C1-347 Bridge No. C000101210	N/A	Miles	713	East 42nd & Turner Ave Bridge
	Miscellaneous Paving Districts			500	Miscellaneous Paving Districts to be created - Exhibit "A"
	Miscellaneous Asphalt Resurfacing			500	Various Resurfacing in City Limits- To Be Chosen Exhibit "B"
SIGNATURE:		TITLE:			DATE:
		Director Public Works/City Engineer			2/28/2011

**EXHIBIT "A" SUPPLEMENT TO FORM 8
Streets Eligible for Concrete GAP Paving/Petition**

	L/Ft.	Tentative Year Scheduled	Est. Cost
South Street – 820' West of Burlington to Baltimore	1830	2016	286,000
Park Street – Pine Avenue to California Avenue	471	2016	60,500
"L" Street – U.S. 281 to Garfield Avenue	1150	2016	143,000
"L" Street – Burlington Avenue to Lexington Avenue	370	2017	49,500
Lexington Avenue – 11 th Street to deadend	250	2017	31,900
"D" Street – Pine Avenue to Elm Avenue	1784	2018	220,000
Ross Avenue – "E" Street to "F" Street	690	2018	90,200
1 st Avenue – Park Street to South Street	333	2018	44,000
Ash Avenue – Park Street to South Street	333	2019	44,000
17 th Street – Lincoln Avenue to St. Joseph Avenue	983	2020	126,500
<u>Alleys</u>			
Between Burlington & Lexington – 2 nd Street to 3 rd Street	280	2013	30,800

NOTE: Other streets may be requested at the option of property owners or new platting by developers.

- Imperial West Addition
- Westbrook Addition
- Eastridge Addition
- Cimarron Addition
- Lakeridge Addition

EXHIBIT "B-1" SUPPLEMENT TO FORM 8

Proposed 2012-2017 Resurfacing Improvement

Residential

2012

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
California Avenue	12 th Street	14 th Street	1,219	\$ 164,565
TOTAL 2012				\$ 164,565

2013

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
Oswego Avenue	3 rd Street	4 th Street	332	\$ 44,820
Saunders Avenue	3 rd Street	7 th Street	1,313	\$ 200,000
D Street	Denver Ave	Kansas Ave	679	\$ 91,665
Laird Avenue	5 th Street	6 th Street	253	\$ 34,155
Franklin Ave	E Street	J Street	3,072	\$ 414,720
TOTAL 2013				\$ 785,360

2014

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
University Blvd.	East Side Blvd	Turner	4,122	\$ 556,470
2 nd Street	St Joseph	Minnesota	1,054	\$ 142,290
Bateman Street	Baltimore Ave	Washington	470	\$ 63,450
8 th Street	Baltimore Ave	Washington	460	\$ 62,100
Washington Ave	Bateman Street	8 th Street	229	\$ 30,915
TOTAL 2014				\$ 855,225

2015

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
3 rd Street	Laird Ave	163' East	163	\$ 22,005
3 rd Street	Woodland Ave	466' West	466	\$ 62,910
Cedar Ave	2 nd Street	4 th Street	540	\$ 72,900
Cedar Ave	5 th Street	7 th Street	697	\$ 94,095
14 th Street	Baltimore Ave	Kingsdale Rd	236	\$ 31,860
Kingsdale Rd	14 th Street	Crestmoor Dr	386	\$ 52,110
Adams Central Road	12 th Street	North City Limits	2,509	\$ 338,715
Briggs Ave	2 nd Street	8 th Street	2,060	\$ 278,100
TOTAL 2015				\$ 952,695

2016

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
1 st Street	Burlington Ave	687' W of Belv	1,270	\$171,450
Bellevue Ave	1 st Street	2 nd Street	219	\$ 29,565
Lexington Ave	1 st Street	2 nd Street	219	\$ 29,565
C Street	Burlington Ave	Lincoln Ave	91	\$ 12,285
C Street	Denver Ave	Kansas Ave	634	\$ 85,590
South Shore Drive	Burlington Ave	North Shore Dr	3,122	\$421,470
Lexington Ave	C Street	E Street	882	\$119,070
Lexington Ave	A Street	B Street	371	\$ 50,085
6 th Street	Baltimore Ave	Jefferson Ave	664	\$ 89,640
		TOTAL 2016		\$1,008,720

2017

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
St. Joseph Ave	B Street	D Street	634	\$ 85,590
Hastings Ave	1 st Street	South Street	552	\$ 74,520
11 th Street	Burlington Ave	Briggs	1,526	\$206,010
Hewitt Ave	9 th Street	12 th Street	1,188	\$160,380
Saunders Ave	7 th Street	9 th Street	1,212	\$163,620
Garfield Ave	A Street	E Street	1,522	\$205,470
D Street	Baltimore Ave	Garfield	1,029	\$138,915
Denver Ave	14 th Street	16 th Street	540	\$ 72,900
		TOTAL 2017		\$1,107,405

Exhibit "B-2" Supplement to Form 8

**Potential 2011-2016 Resurfacing Improvements
Collector / Arterial**

2011

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
12 th Street	Marian	Nalan	12,953	\$ 922,437
26 th Street	2 nd Ave	US 281	4,690	\$ 309,034
South Street	Burlington	Elm	4,739	\$ 434,659
Lochland Rd West	US 281	Baltimore	5,403	<u>\$ 371,090</u>
TOTAL				\$2,037,220

2012

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
North Elm Avenue	9 th Street	12 th Street	1,340	\$180,900
* New Concrete Section Alternate				\$ 440,000
Osborne Dr. West	Burlington	North Shore	3,565	<u>\$ 481,275</u>
TOTAL				\$ 662,175
TOTAL with Alternate				\$1,102,175

2013

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
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2014

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
Baltimore Avenue	12 th Street	14 th Street	1,315	\$ 667,277
9 th Street	Burlington Ave	Elm Ave	5,120	<u>\$ 664,949</u>
TOTAL				\$1,332,226

2015

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Length(ft)</u>	<u>Cost</u>
2 nd Street	Minnesota	Elm Ave	2,652	\$ 318,240

Board of Public Roads Classifications and Standards
Form 9 Summary of Six-Year Plan
Six-Year Period Ending September 30, 2017

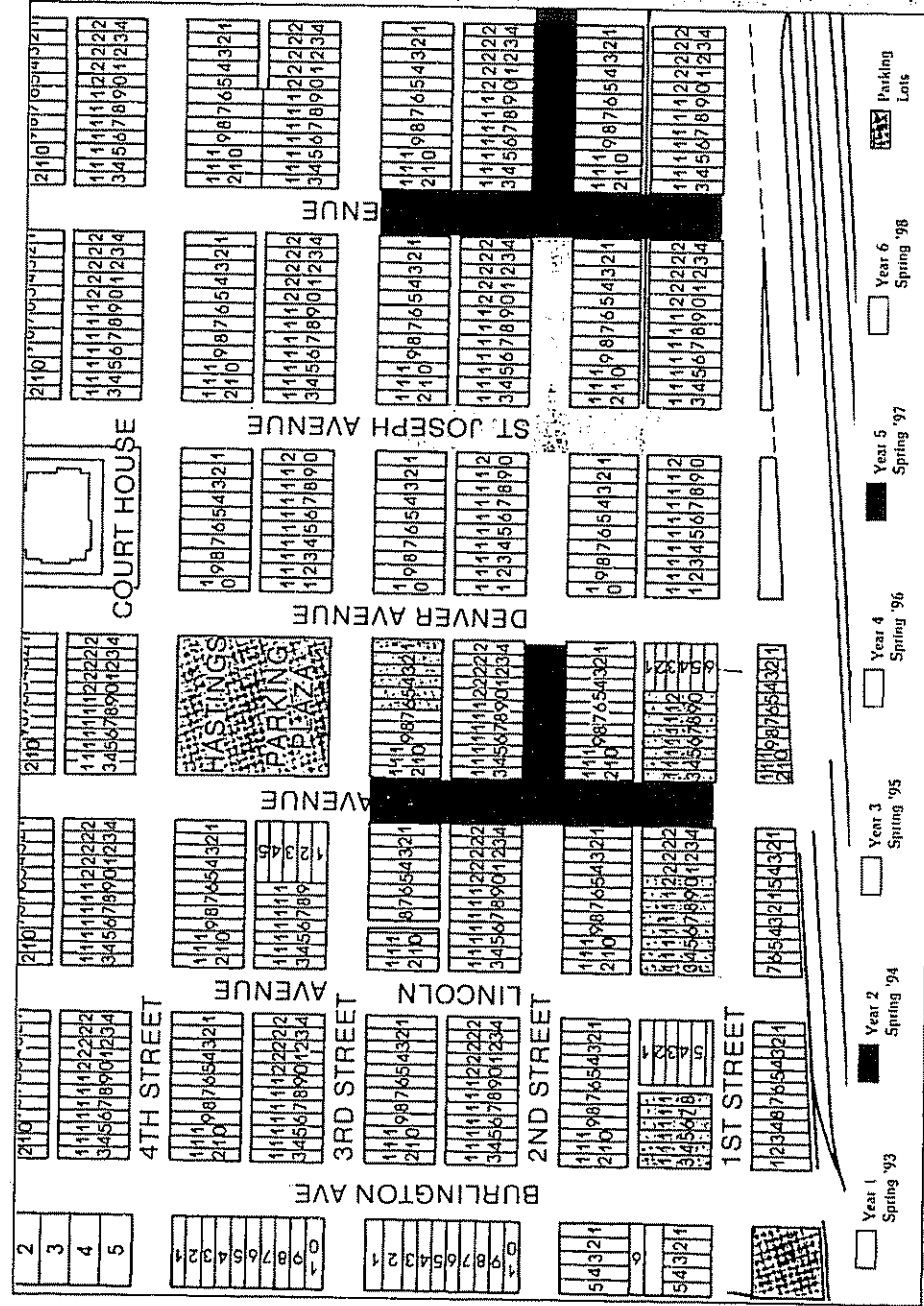
Sheet 1 of 2

COUNTY:		CITY: HASTINGS		VILLAGE:	
PRIORITY NUMBER	PROJECT NUMBER	LENGTH	UNIT OF MEASURE	ESTIMATED COST (In Thousands)	REMARKS
	Enter One Year Plan Projects - See Form 8 with attachments				
	M-330(96)	1	Miles	665	9th Street - Burlington Avenue to Elm Avenue
	M-330(97)	0.25	Miles	667	Baltimore Avenue - 12th Street to 14th Street
	PD 2008-7 M-330(94) URB-5514(2) CN 42578	0.31	Miles	770	9th Street - Turner to 2nd Avenue
	STPAA-5516 (7) CN 42292	0.5	Miles	1,292	12th Street - Elm to 6th Ave.
	M-330(85)	0.8	Miles	1,393	42nd Street 1200' W of US 281 to Baltimore Ave
	M-330(87)	0.25	Miles	300	Osborne Drive West Access Road North
	M-330(88)	0.25	Miles	529	33rd Street Osborne Drive East to Yost Ave
	M-330 (80)	0.25	Miles	436	F Street - Franklin to Baltimore
	STPAA-5516 (6)	0.64	Miles	1,858	12th Street Widening Marian Rd to Sycamore
	M-330 (66)	0.8	Miles	2,323	33rd Street Lake Park Lane to Baltimore
	M-330 (27) STP-5506(2) I	0.6	Miles	1,742	South Street Widening Burlington to Wabash
	M-330 (38) STP-5506 (2) II	0.6	Miles	1,742	South Street Widening Wabash to US #6
	M-330 (45) STP-5512 (2)	0.5	Miles	1,512	7th Street Widening Burlington to Colorado
	STP-5512 (4)	0.84	Miles	2,439	7th Street Widening Pine to 6th Avenue
	M-330 (53)	0.2	Miles	210	6th Avenue US #6 to 2nd Street
	M-330 (33)	1.2	Miles	4,400	Marian Road Viaduct 2nd Street to US #6
	M-330 (35)	1.5	Miles	4,356	12th Street Widening Burlington to Marian Road
	STPD-6-4 (110)	2.4	Miles	6,755	US #6 SE .7 mile east of Burlington to Showboat Rd
	M-330 (71)	2.1	Miles	*4,413 to 20,571	East side Blvd Corridor Development
	*Dependent upon final alternate				

PRIORITY NUMBER	PROJECT NUMBER	LENGTH	UNIT OF MEASURE	ESTIMATED COST (In Thousands)	REMARKS
	M-330 (93)	1.0	Miles	1,742	42nd Street Turner to Columbine
	M-330 (81)	N/A		79	7th Street & Burlington Turning Lane
	M-330(89) Phase IIIA & IIIB	N/A		971	Continuation of Pioneer Spirit Trail System
Exhibit "A"	Miscellaneous Paving Districts	N/A			Paving Districts to be created/developer
Exhibit "B"	Miscellaneous Resurfacing Districts	N/A			Various Resurfacing in City Limits
Exhibit "C"	Miscellaneous BID Paving Districts	N/A			Paving Districts in Downtown Area
	Miscellaneous Railroad Quiet Crossing Improvements	N/A			Miscellaneous Railroad Quiet Crossing Improvements as May Be Chosen
Note: Many of these projects may fall within the 6year and beyond category due to available funding.					
SIGNATURE:		TITLE:			DATE:
		Director Public Works/City Engineer			2/28/2011

NBCS Form 9, Jul 96

EXHIBIT "C" Supplement to Form 8



What is the Time of Construction?
 As shown in the above map, this project will be phased into six construction seasons beginning in the Spring of 1993. So that each phase of the project can be completed as quickly as possible, our plan is to bid each annual phase of the project in January of the respective year. This will enable the successful bidder to begin work immediately when spring weather permits. The construction contract will stipulate that the work must be completed within 120 working days of "Notice to Proceed" construction, or within reasonable time limits as may be determined due to the scope of work on the project. The term "working days" generally excludes weekends, holidays, and bad weather days. The City understands the importance of completing each phase of the project as soon as possible.

Why is the First Block of 1st & 2nd Streets Excluded?
 The safety project to deepen the Burlington Avenue underpass which will involve State and Federal funding will require pavement work from the intersection of A and Burlington to the intersection of 7th and Burlington. When this work is being done, access to the first block of 1st and 2nd Street from Burlington will be closed or limited. The City plans to incorporate the improvements to the first block of 1st and 2nd Streets into the same time frame as the Burlington Avenue underpass project. The State of Nebraska recently announced that they plan to conduct a design public hearing on the underpass in January, 1993, with construction scheduled in the State's 1995 fiscal budget.

What is the Downtown Improvement Project?
 This is a 6-year project to renovate the appearance and infrastructure of downtown. The project will include removal of mid-block crossings, construction of new concrete streets, curbs, handicap crossings, installation of new street lights, traffic lights, trees and benches; new water lines, sewer lines, improved storm-water drainage. The appearance of the project will be similar to 3rd Street.

Why is the Project Necessary?
 Urban development specialists advise that the investment of private capital in downtown areas is induced by public improvement renovation projects like this project. We have numerous viable, solid businesses in downtown Hastings, and the City wants to do everything it can to retain the viability of existing businesses downtown. We also have many empty buildings and storefronts. We feel that the Downtown Improvement Project will put a "fresh face" on the appearance of our downtown and enable the Business Improvement District (BID), Community Redevelopment Authority (CRA), the Downtown Center Association and other promotional groups to successfully recruit new businesses to downtown Hastings.

Construction of the Innox Theater at the Hastings Museum will begin in Spring, 1993. This, along with other tourism efforts, is projected to bring more than 150,000 visitors to Hastings. These visitors represent prospective shoppers and potential retail dollars. We feel that the City's investment in public improvements will be repaid through increased sales taxes generated by an increase in retail sales and growth in the local economy.

How will Businesses be Affected?
 To be honest, there will be inconvenience to businesses and their customers during construction. The street will be excavated at a certain point of the project, resulting in a loss of riding surface and parking spaces. During other phases of the project, the sidewalk will be removed, and for a short period of time, front building entrances will have to be closed when new concrete for sidewalks is being placed. During this period of time businesses will be encouraged to use alley entrances, if available.

Who will Pay for this Project?
 This project will be financed like the 3rd Street improvements, with bonds issued to pay all project costs. The bonds will be repaid through general property tax collections.

How will Shoppers and Motorists Get Around?
 One of the advantages of segmenting this project over several years is that it provides an opportunity to do extensive advance planning for years 2-6. The City, CHA and BID are exploring the creation of pedestrian walkways (cut throughs) from the alleys to 2nd Street which would provide easy access from existing parking lots to 2nd Street. Motorists and customers will be accommodated by construction zone signage and use of City parking lots. Pedestrians may be required to walk slightly greater distances than normal in areas under construction.