

COMMITTEE OF THE WHOLE JUNE 18, 2001

**ROAD RESURFACING, ROAD RECONSTRUCTION
AND RURAL ROADS UPGRADING PROGRAM**

Recommendation

The Commissioner of Development Services & Public Works recommends:

- 1) That the 2001 Road Resurfacing Program, Project 1140.3, consisting of the following locations be endorsed by Council:

Edgeley Blvd	from	Applewood to 150 metres north of Pennsylvania
Clarence St.	from	Meeting House to Humber River and Langstaff to 350 metres north
Chancellor Dr.	from	Pine Valley to Aberdeen
Harris Cres.	from	Martin Grove to Martin Grove
Tall Grass Tr.	from	Pine Valley to end
Birch Meadow	from	Tall Grass to end
Timber Ln.	from	Tall Grass to Tall Grass

- 2) That the 2001 Rural Roads Upgrading Program, Project 1186.1, consisting of the following locations be endorsed by Council:

Kirby Rd.	from	Pine Valley to 240 metres east of Kipling
Kirby Rd.	from	Pine Valley to Stephanie

- 3) That the Director of Engineering be authorized to employ professional Engineering Services for the implementation of the Rural Road Upgrading Project, not exceeding \$90,000 in fees.

Purpose

To seek Council endorsement of the proposed locations for the 2001 Road Resurfacing and 2001 Rural Roads Upgrading projects and approval for the employment of Professional Engineering services for the implementation of the 2001 Rural Roads Upgrading Project.

Background - Analysis and Options

Road Resurfacing Program - Evaluation Process

In preparation of the list of recommended locations for road resurfacing in 2001, staff have:

- reviewed the 2000 Road Resurfacing Program (Attachment No. 1) endorsed by Council on July 11, 2000 per Item 15, Report No. 59,
- reviewed the 2000 Road Needs Update report,
- Investigated requests from Council and/or residents, and
- Visited and visually inspected all potential locations identified above.

Due to changes in pavement conditions since 1995 as revealed in the 2000 Road Needs Update, the priorities have changed as well as the type of rehabilitation work required. A number of streets identified for re-surfacing in 1995 now require reconstruction for a complete rehabilitation.

The locations endorsed by Council on July 11, 2000 for road resurfacing for implementation in 2000 were commenced in October 2000 and are scheduled for completion by July 2001. The remaining locations on the 2000 list are updated and included on two separate lists prepared by staff for road resurfacing and road reconstruction according to the type of rehabilitation work required and changes in priority ratings. The Road Resurfacing Program – 2001 List and Road Reconstruction Program – 2001 List are included as Attachments No. 2 and 3 respectively.

Note – priority ratings in the tables (Attachments) are calculated based on a systematic evaluation process which incorporates the following factors:

- Traffic usage/functionality
- Physical characteristics and road standards
- Physical conditions specifically structural adequacy, crack density, utility cuts, settlement and potholes as well as cement road drainage provisions
- Any deficiencies of existing underground services that need to be addressed before road rehabilitation

2001 Road Resurfacing Program - Highlights

From staff's evaluation, the following highlights should be noted:

1. Sections of Rivermede Road, between Highway 7 and Keele Street are identified for either resurfacing or reconstruction, depending on the conditions of each section of road. Therefore, resurfacing items RS01-1 and RS01-4 (Attachment 2) have been incorporated with item RC01-2 for reconstruction (Attachment 3). Staff are presently commencing preliminary engineering (survey and geotechnical investigation) in preparation for design. This project will be tendered late this year for spring 2002 construction to avoid conflict with anticipated fall 2001 reconstruction of Bowes Road.
2. Item RS01-2, Albion-Vaughan Road is a boundary road between the City and the Town of Caledon. Staff will initiate a request for cost sharing with the Town and recommend a deferral until such an agreement has been negotiated.
3. Item RS01-7, Forest Drive has been recently patch repaired by Public Works and staff recommend resurfacing be deferred to later years to be resurfaced in conjunction with other streets in the vicinity.
4. Item RS01-9, 11, 13 and 16 are streets in the Uplands Area of Thornhill. Watermains have just been replaced on some of the streets and watermains must be replaced on remaining streets in the area. Staff recommend that the road rehabilitation work in the Uplands Area be deferred to 2002, to follow completion of watermain replacement for the area, which will also be proposed for 2002.
5. Item RS01-10, Quail Run is also recommended by staff to be deferred to be resurfaced/reconstructed in conjunction with other streets in the vicinity which are in a lower priority.
6. Through various requests from residents or Members of Council, Items Item RS01-18 through 34 have been re-inspected by staff and been found to have a lower priority than those streets which are recommended for resurfacing this year (as listed below). Should costs be lower than estimated and surplus funds become available, staff will add additional roads to the 2001 program based on their ranking.

The funding approved for Road Resurfacing Project 1140.3 in 2001 is \$600,000.

Taking into account the road sections in order of priority, the above recommended deferrals and the available funding the following road sections are recommended for resurfacing this year.

				Estimated Cost
RS01-3	Edgeley Blvd	from	Applewood to 150m N. of Pennsylvania	\$132,000
RS01-5	Clarence St.	from	Meeting House to Humber River	\$ 25,000
RS01-6	Chancellor Dr.	from	Pine Valley to Aberdeen	\$100,000
RS01-8	Harris Cres.	from	Martin Grove to Martin Grove	\$ 57,000
RS01-12	Clarence St.	from	Langstaff to 350m north	\$ 47,000
RS01-14	Tall Grass Tr.	from	Pine Valley to end	\$100,000
RS01-15	Birch Meadow	from	Tall Grass to end	\$ 35,000
RS01-17	Timber Ln.	from	Tall Grass to Tall Grass	<u>\$ 75,000</u>
			Total	\$571,000

Roads that require more rehabilitation work than just resurfacing will be proposed as separate projects for reconstruction in the 2002 Capital Budget and Forecast.

2001 Rural Roads Upgrading Program- Evaluation Process

On June 26, 1995, per Item 34, Report No. 16, Council received the Rural Roads Upgrade Study and adopted Schedule I of the study as a priority list for rural road improvement projects to be used for capital budget planning purposes. On July 11, 2000, per Item 15, Report No. 59, Council endorsed staff's recommendation that the funds allocated to the 2000 Rural Road Upgrading project (Project No. 1186.0) be reallocated to the 2000 Road Resurfacing Program (Project No. 1140.2) to increase the extent of resurfacing work in 2000.

In preparation of the list of recommended locations for rural road upgrading in 2001, staff have reviewed:

- reviewed the 1995 Rural Roads Upgrade Study,
- reviewed the 2000 Road Needs Update report,
- investigated requests from Council and/or residents, and
- inspected all potential locations.

Due to changes in pavement conditions since 1995 the priorities have changed. The updated Rural Road Upgrading Program list is included as Attachment No. 4.

2001 Rural Roads Upgrading Program - Highlights

1. Item RR01-1, Kirby Road from 1.0km West of Highway 27 to Highway 27
Item RR01-2, Huntington Road from Highway No. 7 to Fogal Road
Item RR01-4, King-Vaughan Road from Keele Street to Dufferin Street
Item RR01-5, Huntington Road from Fogal Road to Langstaff Road, do not warrant upgrading at present due to low traffic volume or pending development.
2. Item RR01-3, Teston Road from Dufferin Street to Quail Run Blvd., has been transferred to York Region.

3. Item RR01-6, Kirby Road from Albion Vaughan Road to Cold Creek Road
 Item RR01-7, Cold Creek Road from Nashville Road to Kirby Road,
 Item RR01-8, Huntington Road from Nashville Road to 0.3km South of Kirby Road
 Item RR01-9, Mill Road from King-Vaughan Road to King-Vaughan Town Line, are considered unwarranted either due to low traffic volume or the distance from the City center.

Staff recommend that Item RR01-10 be included in the 2001 Rural Roads Upgrading Project, comprising Kirby Road from Kipling to Pine Valley, and further extend east of Pine Valley to Stephanie Blvd.

The funding approved for Road Resurfacing Project 1186.1 in 2001 is \$700,000

Taking the road sections in order of priority, the above recommended deferrals, and the available funding, the following rural road sections could be upgraded this year:

				Estimated Cost
RR01-10	Kirby Rd.	from	Pine Valley to 240m E. of Kipling	\$455,000
RR01-15	Kirby Rd.	from	Pine Valley to Stephanie	<u>\$185,000</u>
			Total	\$640,000

Due to the timing of the project and the current commitments of in house resources to the 2001 Capital Budget Workplan staff also recommend the employment of Professional Engineering services for the design of the Rural Road Upgrading Project for 2001.

Road Reconstruction

Staff have included Attachment 3 in order to apprise Council of those roads which will be reconstructed this year through individual projects approved in the 2001 Capital Budget.

Future Road Resurfacing Program Funding Needs

Staff also wants to draw Council's attention to the fact that the 2000 Road Needs Study has determined that there are far more roads in need of resurfacing than the current budget allocated to resurfacing will allow us to complete. The current funding level of \$600,000 annually allows the City to resurface about 4 kilometres of road annually. Of the approximately 600 kilometres of urban/paved roads in the City, approximately 50 kilometres require resurfacing within the next five years. At current funding levels then, it would take over 12 years to resurface what needs to be done in the next 5 years. Staff estimate that 2002 and subsequent years' funding must increase to \$2 million annually to keep up with resurfacing needs. The alternative is to risk further deterioration of the roads to the point that reconstruction is required

Conclusion

With Council's approval of the recommended roads for resurfacing on rural road upgrading, staff will proceed to design and tender these roadworks this summer in time for construction and completion this fall. Staff will also continue to work towards the development of a pavement management system (PMS). The PMS will enable staff to recommend a more extensive road resurfacing and reconstruction program for Council's consideration during the 2002 Capital Budget process.

Attachments

1. Road Resurfacing/Reconstruction Program – 2000 List
2. Road Resurfacing Program – 2001 List
3. Road Reconstruction Program – 2001 List
4. Rural Roads Upgrading Program – 2001 List
5. Location Map for Road Resurfacing 2001
6. Location Map for Rural Road Upgrading 2001

Report prepared by:

Frederick Lam, P. Eng. – Design Engineer, ext. 8638
Dan Stevens, P. Eng. – Manager of Eng./Const. Services, ext. 8257

Respectfully submitted,

FRANK MIELE
Commissioner of Development Services & Public Works

Bill Robinson, P. Eng.
Director of Engineering

FL:MC

ATTACHMENT 1 - ROAD RESURFACING/CONSTRUCTION PROGRAM - 2001 LIST

(Items To Be Funded By FY 2001 Budget)

ITEM No	ROAD NAME	PRIORITY RATING*	FROM	TO	LENGTH (MI)	TYPE OF ROAD	URBAN/RURAL	ESTIMATED COST	COMMENTS
RS00-1	SYLVANIE CT.	15	SYLVANIE PRVY.	END	100	LOCAL	RURAL	\$40,500.00	Under Reconstruction - 2001
RS00-2	SYLVANIE PRVY.	21	SYLVANIE PRVY.	END	150	LOCAL	RURAL	\$32,200.00	Under Reconstruction - 2001
RS00-3	SYLVANIE PRVY.	21	1500 E OF FRIEDRICH ST	END	100	LOCAL	RURAL	\$110,300.00	Under Reconstruction - 2001
RS00-4	DAWSON DRIVE	96	DAWSON DRIVE	GRABLE ST	528	LOCAL	RURAL	\$134,100.00	Under Reconstruction - 2001
RS00-5	WYMAN AVENUE	65	WYMAN AVENUE	PARWAY AVE	140	LOCAL	RURAL	\$50,000.00	Under Reconstruction - 2001
RS00-6	WYMAN AVENUE	61	WYMAN AVENUE	SEELY ST	280	LOCAL	RURAL	\$1,102,400.00	Under Reconstruction - 2001
RS00-7	WYMAN AVENUE	63	WYMAN AVENUE	END	640	LOCAL	RURAL	\$274,000.00	Under Reconstruction - 2001
RS00-8	WYMAN AVENUE	62	WYMAN AVENUE	END	430	LOCAL	RURAL	\$43,000.00	Under Reconstruction - 2001
RS00-9	WYMAN AVENUE	62	WYMAN AVENUE	AMUNN RD	750	LOCAL	RURAL	\$75,000.00	Under Reconstruction - 2001
RS00-10	WYMAN AVENUE	62	WYMAN AVENUE	END	100	LOCAL	RURAL	\$10,000.00	Under Reconstruction - 2001
RS00-11	WYMAN AVENUE	62	WYMAN AVENUE	AMUNN RD	150	LOCAL	RURAL	\$10,000.00	Under Reconstruction - 2001
RS00-12	WYMAN AVENUE	62	WYMAN AVENUE	ROSEBUD BLVD	520	LOCAL	RURAL	\$40,000.00	Under Reconstruction - 2001
RS00-13	WYMAN AVENUE	59	WYMAN AVENUE	ROSEBUD BLVD	400	LOCAL	RURAL	\$40,000.00	Under Reconstruction - 2001
RS00-14	WYMAN AVENUE	58	WYMAN AVENUE	END	250	LOCAL	RURAL	\$20,000.00	Under Reconstruction - 2001
RS00-15	WYMAN AVENUE	56	WYMAN AVENUE	TRIGRUBILL AVE	300	LOCAL	RURAL	\$20,500.00	Under Reconstruction - 2001
RS00-16	WYMAN AVENUE	47	WYMAN AVENUE	TALL GRASS TRAIL	750	LOCAL	RURAL	\$15,000.00	Under Reconstruction - 2001
RS00-17	WYMAN AVENUE	46	WYMAN AVENUE	END	300	LOCAL	RURAL	\$30,000.00	Under Reconstruction - 2001
RS00-18	WYMAN AVENUE	53	WYMAN AVENUE	WYMAN AVENUE	270	LOCAL	RURAL	\$27,000.00	Under Reconstruction - 2001
RS00-19	WYMAN AVENUE	51	WYMAN AVENUE	WYMAN AVENUE	1250	LOCAL	RURAL	\$125,000.00	Under Reconstruction - 2001
RS00-20	WYMAN AVENUE	49	WYMAN AVENUE	WYMAN AVENUE	250	LOCAL	RURAL	\$20,500.00	Under Reconstruction - 2001
RS00-21	WYMAN AVENUE	49	WYMAN AVENUE	WYMAN AVENUE	1000	LOCAL	RURAL	\$100,000.00	Under Reconstruction - 2001
RS00-22	WYMAN AVENUE	49	WYMAN AVENUE	WYMAN AVENUE	300	LOCAL	RURAL	\$30,000.00	Under Reconstruction - 2001
RS00-23	WYMAN AVENUE	45	WYMAN AVENUE	WYMAN AVENUE	670	LOCAL	RURAL	\$67,000.00	Under Reconstruction - 2001
RS00-24	WYMAN AVENUE	44	WYMAN AVENUE	WYMAN AVENUE	770	LOCAL	RURAL	\$77,000.00	Under Reconstruction - 2001
RS00-25	WYMAN AVENUE	37	WYMAN AVENUE	WYMAN AVENUE	850	LOCAL	RURAL	\$85,000.00	Under Reconstruction - 2001
RS00-26	WYMAN AVENUE	37	WYMAN AVENUE	WYMAN AVENUE	1000	LOCAL	RURAL	\$100,000.00	Under Reconstruction - 2001
RS00-27	WYMAN AVENUE	35	WYMAN AVENUE	WYMAN AVENUE	370	LOCAL	RURAL	\$37,000.00	Under Reconstruction - 2001
RS00-28	WYMAN AVENUE	30	WYMAN AVENUE	WYMAN AVENUE	250	LOCAL	RURAL	\$25,000.00	Under Reconstruction - 2001
RS00-29	WYMAN AVENUE	30	WYMAN AVENUE	WYMAN AVENUE	150	LOCAL	RURAL	\$15,000.00	Under Reconstruction - 2001
RS00-30	WYMAN AVENUE	30	WYMAN AVENUE	WYMAN AVENUE	300	LOCAL	RURAL	\$30,000.00	Under Reconstruction - 2001
RS00-31	WYMAN AVENUE	30	WYMAN AVENUE	WYMAN AVENUE	150	LOCAL	RURAL	\$15,000.00	Under Reconstruction - 2001
RS00-32	WYMAN AVENUE	30	WYMAN AVENUE	WYMAN AVENUE	270	LOCAL	RURAL	\$27,000.00	Under Reconstruction - 2001
RS00-33	WYMAN AVENUE	29	WYMAN AVENUE	WYMAN AVENUE	310	LOCAL	RURAL	\$31,000.00	Under Reconstruction - 2001
RS00-34	WYMAN AVENUE	24	WYMAN AVENUE	WYMAN AVENUE	310	LOCAL	RURAL	\$31,000.00	Under Reconstruction - 2001

*According to Road Needs Study 1994

ATTACHMENT 2 - ROAD RESURFACING PROGRAM - 2001 LIST

ITEM No.	ROAD NAME	PRIORITY RATING*	FROM	TO	LENGTH (mi)	TYPE OF ROAD	URBAN/RURAL	ESTIMATED COST	COMMENTS
RS01-1	RIVERMEDE RD.	40	BOWEN RD.	WHEEL ST.	878	INDUSTRIAL	URBAN	\$87,800.00	Included in 2001 Resurfacing Program for other portion of Rivermeade Road (prior to Attachment 3)
RS01-2	ALBION VALLEY RD	31	0.5 km North Hwy 52	BIRDY RD.	200	ARTERIAL	RURAL	\$7,000.00	Boundary road, drive pending
RS01-3	EDGELEY BLVD.	37	APPLEWOOD CRES.	0.15 km North Pennsylvania Ave.	878	INDUSTRIAL	URBAN	\$132,000.00	Calsonic road, drive pending
RS01-4	RIVERMEDE RD.	34	HWY. NO. 7	N. RIVERMEDE RD.	200	INDUSTRIAL	URBAN	\$20,000.00	Proposed 2001 Candidate
RS01-5	CLARENCE ST.	22	MEETING HOUSE RD.	N. RIVERMEDE RD.	180	COLLECTOR	URBAN	\$25,000.00	Included in 2001 Resurfacing Program for other portion of Rivermeade Road (prior to Attachment 3)
RS01-6	CLAWCLOUGH CRES.	27	FINE VALLEY DR.	ABERDEEN AVE.	200	COLLECTOR	URBAN	\$100,000.00	Proposed 2001 Candidate
RS01-7	FOREST DR.	26	KANSER DR.	SADDLE TREE CRES.	229	RESIDENTIAL	RURAL	\$11,000.00	Priority work received by Public Works. To be done
RS01-8	HARRIS CRES.	24	MARTIN GROVE RD.	MARTIN GROVE RD.	366	RESIDENTIAL	URBAN	\$37,000.00	Proposed 2001 Candidate
RS01-9	LONGBRIDGE RD.	24	YONGE ST.	WEST END	864	RESIDENTIAL	URBAN	\$129,000.00	Deferred to 2002 after completion of wetland replacement in the Upland Area
RS01-10	QUAIL RUN BLVD.	23	FEISTON RD.	470m NORTH	470	RESIDENTIAL	URBAN	\$80,000.00	Deferred to be carried out in conjunction with other projects in the neighbourhood
RS01-11	PASSWAY AVE.	23	RIVERSIDE BLVD.	THORNHILL AVE.	205	LOCAL	RURAL	\$20,000.00	Deferred to 2002 after completion of wetland replacement in the Upland Area
RS01-12	CLARENCE ST.	20	LARGESTAFF RD.	550m NORTH	368	COLLECTOR	URBAN	\$47,000.00	Proposed 2001 Candidate
RS01-13	FAIRLEA AVE.	20	RIVERSIDE BLVD.	THORNHILL AVE.	205	LOCAL	RURAL	\$20,000.00	Deferred to 2002 after completion of wetland replacement in the Upland Area
RS01-14	TALL GRASS TRAIL	18	FINE VALLEY DR.	S. END	1000	LOCAL	URBAN	\$100,000.00	Proposed 2001 Candidate
RS01-15	BIRCH MEADOW	18	TALL GRASS TRAIL	END	388	LOCAL	URBAN	\$35,000.00	Proposed 2001 Candidate
RS01-16	UPVANCE AVE.	16	YONGE ST.	END	505	LOCAL	URBAN	\$55,000.00	Deferred to 2002 after completion of wetland replacement in the Upland Area
RS01-17	TIMBER LANE	14	TALL GRASS TRAIL	TALL GRASS TRAIL	770	LOCAL	URBAN	\$75,000.00	Proposed 2001 Candidate

ATTACHMENT 2 - ROAD RESURFACING PROGRAM - 2001 LIST (CONT'D)

ITEM No.	ROAD NAME	PRIORITY RATING*	FROM	TO	LENGTH (mi)	TYPE OF ROAD	URBAN/RURAL	ESTIMATED COST	COMMENTS
RS01-18	LEWIS DR	14	WOODBIDGE AVE	SOUTH END	214	LOCAL	URBAN	\$31,000.00	To be included in 2002-2007 Resurfacing Program
RS01-19	DAVIDSON DR	13	SELIGTON AVE	LLOYD ST	200	LOCAL	URBAN	\$30,000.00	To be included in 2002-2007 Resurfacing Program
RS01-20	BUSHWORTH CRES.	12	CLINESTON AVE	END	278	LOCAL	RURAL	\$51,000.00	To be included in 2002-2007 Resurfacing Program
RS01-21	MOONSTONE PLAZA	12	WOODBIDGE AVE	SOUTH END	204	LOCAL	URBAN	\$44,000.00	To be included in 2002-2007 Resurfacing Program
RS01-22	CARDISH ST	11	ART DR	BUSHWORTH CRES.	375	LOCAL	RURAL	\$37,000.00	Resurfacing Program
RS01-23	GOLF AVENUE	11	THREE VALLEY CRES.	CLUBHOUSE RD	188	LOCAL	URBAN	\$129,000.00	To be included in 2002-2007 Resurfacing Program
RS01-24	ARBOR DR	10	ALTERICH AVE	EAST OF MARCO CRES.	415	LOCAL	URBAN	\$71,000.00	Resurfacing Program
RS01-25	MILLWOOD CRT.	10	MILLWOOD PARKWAY	EAST END	152	LOCAL	URBAN	\$41,000.00	To be included in 2002-2007 Resurfacing Program
RS01-26	ART DR	9	BUSHWORTH CRES.	END	190	LOCAL	RURAL	\$15,000.00	To be included in 2002-2007 Resurfacing Program
RS01-27	THISTLE RIDGE DR	9	THIBETILLAE	TALL GRASS TRAIL	270	LOCAL	URBAN	\$27,000.00	Resurfacing Program
RS01-28	DUAL RUN BLVD	9	47th North Triffin Rd	NORTH END	340	LOCAL	URBAN	\$48,000.00	To be included in 2002-2007 Resurfacing Program
RS01-29	HOUSTON RD	9	LEWIS DR	MOONSTONE PLAZA	305	LOCAL	URBAN	\$43,000.00	Resurfacing Program
RS01-30	SUGARBUSH CRT	8	GOLF AVE	NORTH END	99	LOCAL	URBAN	\$14,000.00	To be included in 2002-2007 Resurfacing Program
RS01-31	MELADOWNLAND CRT	8	GOLF AVE	NORTH END	120	LOCAL	URBAN	\$17,000.00	Resurfacing Program
RS01-32	AURAN CRES	7	WOODBIDGE AVE	TRITON AVE	120	LOCAL	URBAN	\$17,000.00	Resurfacing Program
RS01-33	MAREVAN PL	7	TALL GRASS TRAIL	THISTLE RIDGE DR	125	LOCAL	URBAN	\$12,000.00	Resurfacing Program
RS01-34	GREENWAY WALK	8	GOLF AVE	SOUTH END	80	LOCAL	URBAN	\$5,000.00	Resurfacing Program
								\$271,000.00	
								\$600,000.00	

* According to Road Needs Study 2000 Update
The higher the priority rating, the greater the need for improvement

Estimated 2001 Road Resurfacing (Included items above)
Approved 2001 Funding

ATTACHMENT 3 - ROAD RECONSTRUCTION PROGRAM - 2001 LIST

ITEM NO.	ROAD NAME	PRIORITY RATING*	FROM	TO	LENGTH (FT)	TYPE OF ROAD	URBAN RURAL	ESTIMATED COST	COMMENTS
RD01-0	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-1	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-2	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-3	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-4	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-5	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-6	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-7	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-8	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-9	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-10	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-11	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-12	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-13	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-14	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-15	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-16	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-17	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-18	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-19	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-20	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-21	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-22	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-23	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project
RD01-24	WILSONVILLE AVE	40	MARTIN GROVE	WHEEL	425	RESIDENTIAL	URBAN	\$300,000.00	2001 Reconstruction Project

*According to Road Needs Study 2000 (Issue 1)
The higher the priority rating, the greater the need for improvement

ATTACHMENT 4 - RURAL ROADS UPGRADING PROGRAM - 2001 LIST

ITEM NO	PRIORITY RANKING*	ROAD SECTION NAME	FROM	TO	EST. COST	PREV. PROJ. NO.**	COMMENTS
0001-1	52	KIRBY ROAD	1.0km West of Highway 27	Highway 27	\$185,000.00	N/A	Unmeasured due to low volume of traffic.
0001-2	48	HARINGTON ROAD	WIGHTWAY HILL 7	FODAL ROAD	\$415,000.00	3	Proposed Development
0001-3	44	TESTON ROAD	DUFFERIN STREET	QUAIL HILL BLVD	\$1,184,000.00	N/A	Top of York Subdivision
0001-4	43	KING VALUATION ROAD	KEELE STREET	DUFFERIN STREET	\$411,000.00	10	Proposed Future York City By pass Route
0001-5	41	HARINGTON ROAD	FODAL ROAD	WASHINGTON ROAD	\$300,000.00	5	Proposed Development
0001-6	41	KIRBY ROAD	ALBION VALUATION ROAD	COLD CREEK ROAD	\$152,000.00	7	To be deleted due to change from City Centre
0001-7	40	COLD CREEK ROAD	NASHVILLE ROAD	KIRBY ROAD	\$233,000.00	7	To be deleted due to change from City Centre
0001-8	40	HARINGTON ROAD	NASHVILLE ROAD	0.5km South of Kirby Road	\$682,000.00	4	Unmeasured due to low volume of traffic
0001-9	39	WILEY ROAD	3 kms VALUATION ROAD	KING VALUATION TOWNSHIP	\$301,000.00	10A	Unmeasured due to low volume of traffic
0001-10	38	KIRBY ROAD	0.24 km East of Kipling Avenue	PIKE VALLEY DRIVE	\$455,000.00	11	Prop. 2001 amendment.
0001-11	38	HARINGTON ROAD	LAMB STAFF ROAD	BUTHERFORD ROAD	\$550,000.00	12	To be re-evaluated in 2002
0001-12	37	KING VALUATION ROAD	KIRBY HILL AVENUE	PIKE VALLEY DRIVE	\$608,000.00	N/A	To be re-evaluated in 2002
0001-13	36	KIRBY VALUATION ROAD	ALBION VALUATION ROAD	COLD CREEK ROAD	\$104,000.00	10	Unmeasured due to low volume of traffic
0001-14	35	KIRBY ROAD	0.8 km West of James Street	JAMES STREET	\$140,000.00	10	To be processed in 2002
0001-15		KIRBY ROAD	Pipe Valley Drive	Stephane's Boardwalk	\$185,000.00	N/A	Prop. 2001 candidate in conjunction with R001-10

*ACCORDING TO ROAD NEEDS STUDY 2000 UPDATE BY T.S.H.

**ACCORDING TO RURAL ROAD STUDY UPGRADE 1995

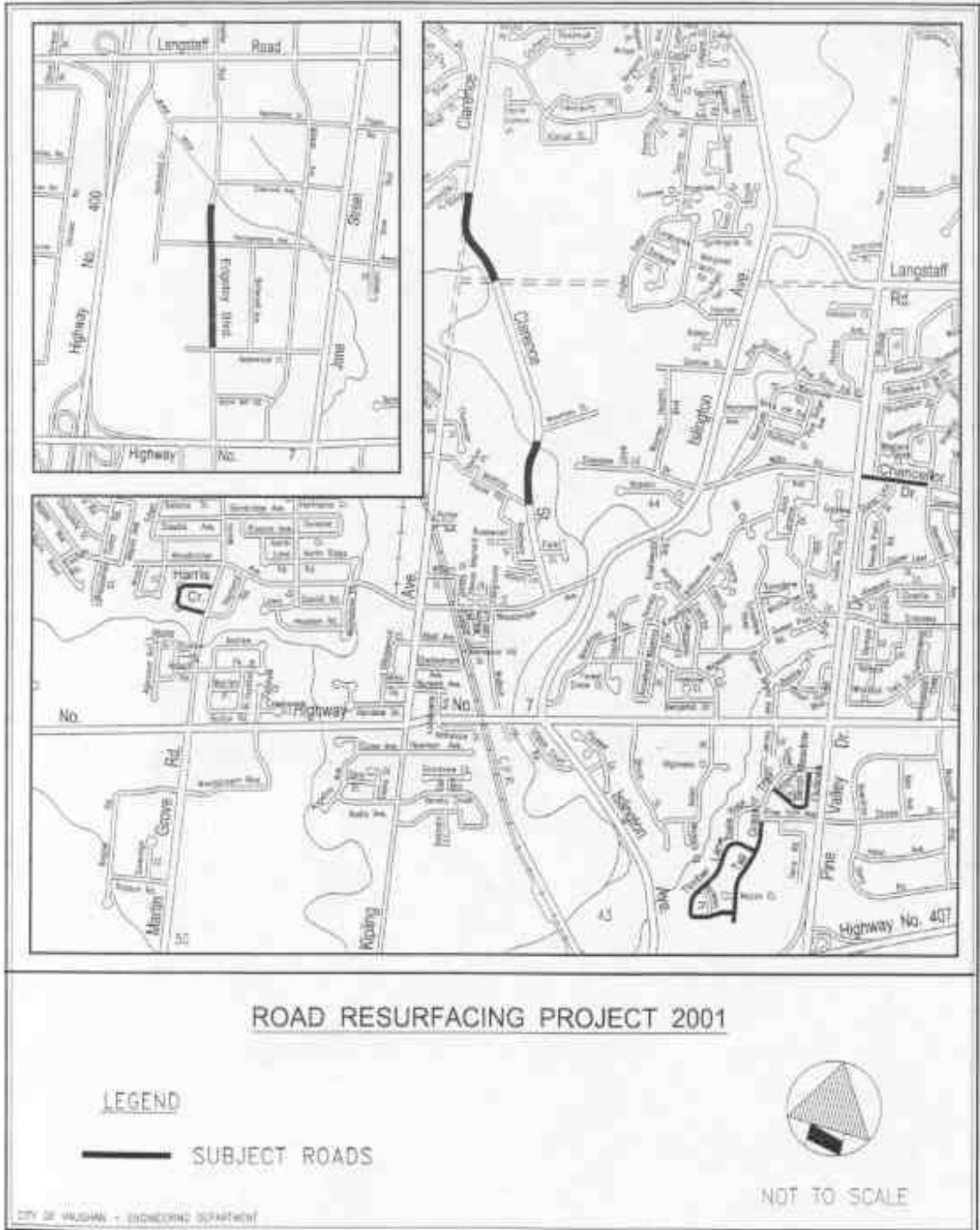
Estimated 2001 Final Road Upgrading

Approved 2001 Funding

\$693,000.00

\$700,000.00

ATTACHMENT No. 5



ATTACHMENT No. 6

