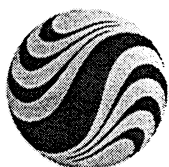


Attachment 1

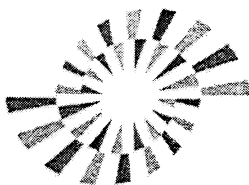


Stantec

ALBERTA CAPITAL REGION

Transportation Implementation Priorities (2004-2013)

FINAL DRAFT



Prepared for:

Alberta Capital Region Alliance Ltd.

Prepared by:

Stantec Consulting Ltd.

20 June 2003

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IP.1 Roadway Implementation Priorities

The Alberta Capital Region Alliance (ACRA) maintains a long range transportation plan for regional mobility initiatives. The current edition of the ACRA Long Range Transportation Plan is dated June, 2003.

This document lists implementation priorities for regional transportation initiatives within the Long Range Plan. Projects are listed by type (rehabilitation & overlays, new & upgraded facilities) and by proposed timing (one to five years, six to ten years). All projects are illustrated on Map II at the end of the report, color coded and indexed to project numbers found in the tables below.

A list of completed projects is contained in Appendix A.

IP.1.1 ANTHONY HENDAY DRIVE

The top implementation priority is establishment of Provincial funding commitment to complete Anthony Henday Drive (Highway 216) by 2011, as a special initiative with funding in addition to the normal priorities for regional transportation facilities. Table IP.1 summarizes the approximate costs.

Table IP.1
Anthony Henday Drive Projects

Project No.	Project Description	Estimated Cost (\$millions)
22/107	Design & Construction of Hwy 216 (Anthony Henday Drive) from Hwy 16 West to Hwy 28 (Northwest quadrant)	225.0
53/109	Design & Construction of Hwy 216 (Anthony Henday Drive) from Hwy 16 East to Hwy 28 (Northeast quadrant)	275.0
Total		500.0

IP.1.2 CARRY-OVER PROJECTS (2003+)



Table IP.2 lists projects that commenced in 2003 or earlier, and which will carry-over into the year 2004 or later. Because they are already underway, the funding

ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

commitments necessary to complete them are considered to be highest priority. These projects are illustrated in yellow on Map II at the end of this report.

Table IP.2
CARRY-OVER PROJECTS (2003+)

Project No.	Project Description	Estimated Cost¹ (\$millions)
T3a	Light Rail Transit construction from University Station to Health Sciences Station	100.0
3	Hwy 216 (Anthony Henday Drive) from Whitemud Drive to Calgary Trail	220.0
108/23	Hwy 216 (Anthony Henday Drive) from Calgary Trail to Hwy 14	250.0
18b	Yellowhead Trail/184 Street interchange and CNR rail grade separation	59.0
63	Construction of Campsite Road / Hwy 16 Interchange	15.0
Total		644.0

IP.1.3 FIVE YEAR PRIORITY PROJECTS (2004 - 2008)

Table IP.3 lists projects assigned priority over the first five years of the plan, consisting of rehabilitation of existing transportation facilities, pavement overlays, as well as intersection improvements and other works typically associated with access control. These projects are illustrated in red on Map II at the end of this report.

Table IP.4 lists projects assigned priority over the first five years of the plan, consisting of new or upgraded transportation facilities. "Upgraded" typically refers to facilities that are to be widened or expanded to increase capacity. These projects are illustrated in green on Map II at the end of this report.

Within each of these tables, the projects are listed in the following order:

- projects comprising the Regional Ring Road
- projects inside the Regional Ring Road

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¹ In Table IP.2, estimated cost represents carry-over amount remaining to complete project.

- projects outside the Regional Ring Road

Table IP.3
FIVE YEAR PROJECTS: REHABILITATION & OVERLAYS (2004 - 2008)

Project No.	Project Description	Estimated Cost (\$millions)
<i>Links Inside the Regional Ring Road</i>		
13	Yellowhead Trail pavement rehabilitation from 156 Street to CNR	1.6
15	Fort Road pavement rehabilitation from 66 Street to 137 Avenue	1.2
17	Yellowhead Trail pavement rehabilitation from 97 Street to 107 Street (needs to be coordinated with Project No. 24)	1.2
25b	St Albert Trail pavement rehabilitation from 128 Avenue to 137 Avenue	1.5
43	170 Street pavement rehabilitation from Whitemud Drive to Stony Plain Road	2.3
69a	Yellowhead Trail pavement rehabilitation (Victoria Trail to 50 Street)	1.4
116	Whitemud Drive pavement rehabilitation (149 Street – 170 Street)	2.5
	SUBTOTAL	11.7

ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

Table IP.3 (continued)
FIVE YEAR PROJECTS: REHABILITATION & OVERLAYS (2004 - 2008)

Project No.	Project Description	Estimated Cost (\$millions)
<i>Links Outside of the Regional Ring Road</i>		
20	Hwy 643 pavement rehabilitation from Hwy 28A to Gibbons' east corporate limits (needs to be coordinated with Project No. 29)	0.1
29a	Hwy 643 overlay from Gibbons east corporate limits to Hwy 825	1.5
29b	Hwy 643 overlay/sideslope improvements from Hwy 825 to Hwy 38	3.5
30a	Hwy 779 grind and overlay from Hwy 628 to S. of Hwy 16A	0.3
34	Hwy 16A pavement rehabilitation from Spruce Grove to Acheson Industrial Park	2.4
37a	Hwy 825 and Boysdale Road intersection improvements	0.3
37b	Hwy 825 pavement overlay from Hwy 37 to Boysdale Road	0.3
45	Hwy 642 pavement rehabilitation from Hwy 2 to 100 Street in Morinville	1.0
	SUBTOTAL	9.4
	TOTAL	21.1

ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

Table IP.4
FIVE YEAR PROJECTS: NEW & UPGRADED (2004 - 2008)

Project No.	Project Description	Estimated Cost (\$millions)
<i>Regional Ring Road Links</i>		
5	Hwy 21 widening and intersection improvements from Hwy 14 to Hwy 628	4.2
6	Hwy 21 twinning from Hwy 628 to Hwy 16	12.0
7	Hwy 19 twinning from Hwy 2 to Hwy 60	20.0
8	Hwy 60 twinning from Hwy 16A to Hwy 16 and interchange modifications at Hwy 16A	15.0
9	Hwy 37 intersection improvements from Hwy 15 to Hwy 825	1.0
10	Hwy 625 widening in Nisku	3.0
62	Hwy 15 twinning from Hwy 28A to North Saskatchewan River	8.0
68	Hwy 15 increasing bridge clearance at 99 Ave. in Ft. Sask.	0.3
SUBTOTAL		63.5
<i>Links Inside the Regional Ring Road</i>		
18a	Yellowhead Trail widening to 6 lanes from Anthony Henday Drive to 178 Street	4.0
24	Yellowhead Trail intersection improvements from 82 Street to 149 Street	14.0
27	Yellowhead Trail/156 Street interchange and railway overpass	72.0
38	Hwy 16 from Hwy 216 to Hwy 21 signing improvements	0.4
46a	Whitemud Drive widening from Anthony Henday Drive to 207 St	7.0

ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

Table IP.4 (continued)
FIVE YEAR PROJECTS: NEW & UPGRADED (2004 - 2008)

Project No.	Project Description	Estimated Cost (\$millions)
46b	Whitemud Drive reconstruction from 207 Street to 231 Street	9.0
47a	Construct interchange on Whitemud Drive at 17 Street	10.0
47b	Construct interchange on Whitemud Drive at 34 Street	23.0
48	Fort Road widening from Yellowhead Trail to 137 Avenue	25.0
51a	Ray Gibbon Drive (2 lanes) from Meadowview Drive to Levasseur Road in St. Albert	13.0
51b	Ray Gibbon Drive (2 lanes) from Levasseur Road to 137 Avenue in St. Albert	5.2
51c	Ray Gibbon Drive (2 lanes) from Giroux Road to Villeneuve Road (St. Albert)	5.0
52	Hwy 628 twinning from Hwy 216 to Hwy 21	5.2
55	Design of Highway 16 / Sherwood Drive interchange	1.0
56	Design of Highway 16 / Broadmoor Boulevard interchange	1.0
58	Hwy 814 widening from TR 510 to 55 Avenue in Beaumont	0.6
59	170 Street four laning from Levasseur Road to 137 Ave	4.0
61	Calgary Trail / 23 Avenue Interchange	75.0
64a	Whitemud Drive rehabilitation and widening of Quesnell bridge	20.0
64b	Whitemud Drive rehabilitation and widening from 149 St. to Terwillegar Drive	65.0
66a	Hwy 814 twinning from TR 510 to Edmonton SCL	3.5
66b	50 St. twinning from Edmonton SCL to Millwoods Road south	5.0
113	Hwy 16 / Sherwood Drive interchange	20.0
SUBTOTAL		387.9

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ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

Table IP.4 (continued)
FIVE YEAR PROJECTS: NEW & UPGRADED (2004 - 2008)

Project No.	Project Description	Estimated Cost (\$millions)
11a	Hwy 44 widening/reconstruction from Hwy 642 to S. of Busby	2.0
11b	Hwy 44 widening and overlay from S. of Sturgeon River to S. of Hwy 642	2.0
21b	Hwy 28 widening from Sturgeon River to Hwy 642	20.0
28	Hwy 2/50 Avenue overpass widening (Leduc)	2.0
49	Hwy 2 / 65 Avenue interchange improvements (Leduc)	23.0
50a	Hwy 628 widening from RR 273 to RR 270	4.8
50b	Hwy 628 widening from RR 270 to Edmonton's West City Limit	8.0
54	Design of Hwy 643 from RR 214 to RR 215 with new river crossing (between Sturgeon & Strathcona Counties)	2.0
57	Hwy 28 widening from Gibbons to Redwater	13.0
106b	Hwy 642 widening and overlay from Morinville ECL to Hwy 28	6.0
SUBTOTAL		82.8
TOTAL		534.2

IP.1.4 TEN YEAR PRIORITY PROJECTS (2009 - 2013)

Table IP.5 lists projects assigned priority between six and ten years. These projects are illustrated in blue on Map II at the end of this report.

The projects are listed in the following order:

- projects comprising the Regional Ring Road
- projects inside the Regional Ring Road
- projects outside the Regional Ring Road

**Table IP.5
TEN YEAR PROJECTS (2009 - 2013)**

Project No.	Project Description	Estimated Cost (\$millions)
<i>Regional Ring Road Links</i>		
33a	Hwy 625 widening (Nisku to Hwy 814)	4.0
33b	Hwy 625 widening (Hwy 814 to Hwy 21)	7.0
76	Hwy 60 (Athabaska Avenue to Derrick Drive in Devon) intersection improvements / access control	0.8
104	Hwy 21 twinning from south of Hwy 628 to Hwy 14 including Hwy 14 interchange modifications	9.2
112	Hwy 15 twinning from North Saskatchewan River to Hwy 21	43.0
	SUBTOTAL	64.0
<i>Links Inside the Regional Ring Road</i>		
51d	Ray Gibbon Drive (2 lanes) from Meadowview Drive to Giroux Road (St. Albert)	7.0
60	184 Street four laning from 137 Avenue to Hwy 16	4.0
64c	Whitemud Drive reconstructing Terwillegar Drive Interchange	90.0

ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

Table IP.5 (cont'd)
TEN YEAR PROJECTS (2009 - 2013)

Project No.	Project Description	Estimated Cost (\$millions)
64d	Whitemud Drive widening to 6 lanes from Terwillegar Drive to 122 St.	10.0
65	Yellowhead Trail/ 66 St. Interchange	100.0
67a	Nisku Spine Road construction of 2 lanes from Leduc City to Edmonton SCL	6.5
67b	91 Street paving/realign from Edmonton SCL to Anthony Henday Drive	5.0
69b	Yellowhead Trail (Victoria Trail to 50 Street) widen to six lanes	5.0
70	Anthony Henday Drive - 100 Avenue / Stony Plain Road interchange	20.0
71	170 Street (Whitemud Drive to Yellowhead Trail) intersection improvements / widening / access control	10.0
72	Gretzky Drive (98 Avenue to 116 Avenue) widen to six lanes	20.0
73	75 Street (Whitemud Drive to Argyll Road) widen to six lanes/rail underpass	30.0
74	Hwy 627 (199 Street to Anthony Henday Drive)	4.0
114	Highway 16 / Broadmoor Boulevard interchange	20.0
115	Sherwood Park Freeway - 17 Street (add eastbound on-ramp and westbound off-ramp)	2.0
SUBTOTAL		333.5

ACRA TRANSPORTATION IMPLEMENTATION PRIORITIES (2004-2013)

Table IP.5 (continued)
TEN YEAR PROJECTS (2009 - 2013)

Project No.	Project Description	Estimated Cost (\$millions)
<i>Links Outside of the Regional Ring Road</i>		
50c	Hwy 628 widening from RR 273 to Hwy 779	6.0
75	Hwy 16A (Lake Eden Road to Glory Hills Road) intersection improvements / service roads	2.0
101a	Hwy 39 and Hwy 2 Bypass (65 Avenue construction from Hwy 2 to West Boundary Road in Leduc)	2.5
101b	Hwy 39 and Hwy 2 Bypass (West Boundary Road construction from 50 Avenue to 65 Avenue in Leduc)	1.8
102	100 Street upgrading from Cardiff Road to CPR in Morinville	3.0
103	Hwy 38 widening from 44 Street to 58 Street in Redwater	0.9
105	Hwy 651 extension and upgrading from RR 235 to Hwy 28	2.2
106a	Hwy 642 upgrading from Hwy 44 to Morinville ECL	6.0
110	Construction of Hwy 643 from RR 214 to RR 215 with new river crossing (between Sturgeon and Strathcona Counties)	25.0
SUBTOTAL		49.4
TOTAL		446.9

IP.2 Transit Implementation Priorities

Table IP.6 highlights specific public transit priorities identified for the region. These priorities are also depicted in Map II (Regional Transportation Priority Program) at the end of this report.

Table IP.6
TRANSIT PROJECTS

Project No.	Project Description	Estimated Cost (\$millions)
<i>Five Year Projects (2004 – 2008)</i>		
T3b	Light Rail Transit construction from Health Sciences Station to Neil Crawford Station	125.0
T4a	Develop regional transit services	n/a
T4b	Develop regional disabled transit service	n/a
T4c	Regional transit marketing	n/a
T6	North Transit Centre in Strathcona	2.0
	SUBTOTAL	127.0
<i>Ten Year Projects (2009 - 2013)</i>		
T3c	Light Rail Transit construction from Neil Crawford Station to Heritage Station	375.0
T5	Belvedere LRT Station / Transit Centre / Park & Ride upgrade	5.8
	SUBTOTAL	380.8
	Total (Transit)	507.8

IP.3 Funding Requirements

IP.3.1 OVERALL FUNDING REQUIREMENTS

Based on the list of priority projects for the 2004 to 2013 period, the total regional transportation funding requirements for the Alberta Capital Region over the next ten years are summarized in Table IP.7.

Table IP.7
OVERALL FUNDING REQUIREMENTS
(2004 to 2013)

Group	Funding Requirements (\$ million)
Anthony Henday Drive Completion	500.0
Carry-Over Projects (2003+)	644.0
Five Year Projects: Rehabilitation & Overlay (2004 - 2008)	21.1
Five Year Projects: New & Upgraded (2004 - 2008)	534.2
Ten Year Projects (2009 - 2013)	446.9
Transit Projects	507.8
Total	2,654.0

It should be noted that this funding requirement does not include the value of any of Alberta Transportation's other programmed rehabilitation work on highways in the region or the value of any of the municipalities' other non-regional transportation projects.

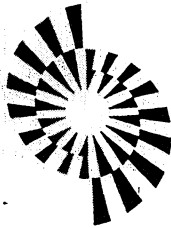
The total value of the projects included in the ACRA priorities list (2004 - 2013) is about \$2.7 billion over ten years.

IP.3.2 PROJECT FUNDING

Under the current funding scenario, Alberta Transportation is responsible for any of the priority projects related to the provincial highway network. In addition, they are responsible for the development of the south-west and south-east legs of Anthony Henday Drive, and it is assumed they will be responsible for the remaining portions of Anthony Henday Drive. All other projects are considered as the responsibility of the municipality in which they are located, although outside of the City of Edmonton most of these projects would be eligible for cost sharing with Alberta Transportation. In addition, some projects could conceivably be cost shared between a number of benefiting municipalities. Table IP.8 summarizes the approximate funding requirements of Alberta Transportation and the municipalities for the priority projects identified in the plan.

Table IP.8
DISTRIBUTION OF FUNDING REQUIREMENTS
(2004 TO 2013)

Agency	Approximate Funding Requirements (\$ million)
Alberta Transportation – Anthony Henday Drive (south-west & south-east legs)	470.0
Alberta Transportation– Anthony Henday Drive (Remaining Portions)	500.0
Alberta Transportation – Other Highways	354.8
Municipalities	1329.2
Total	2,654.0



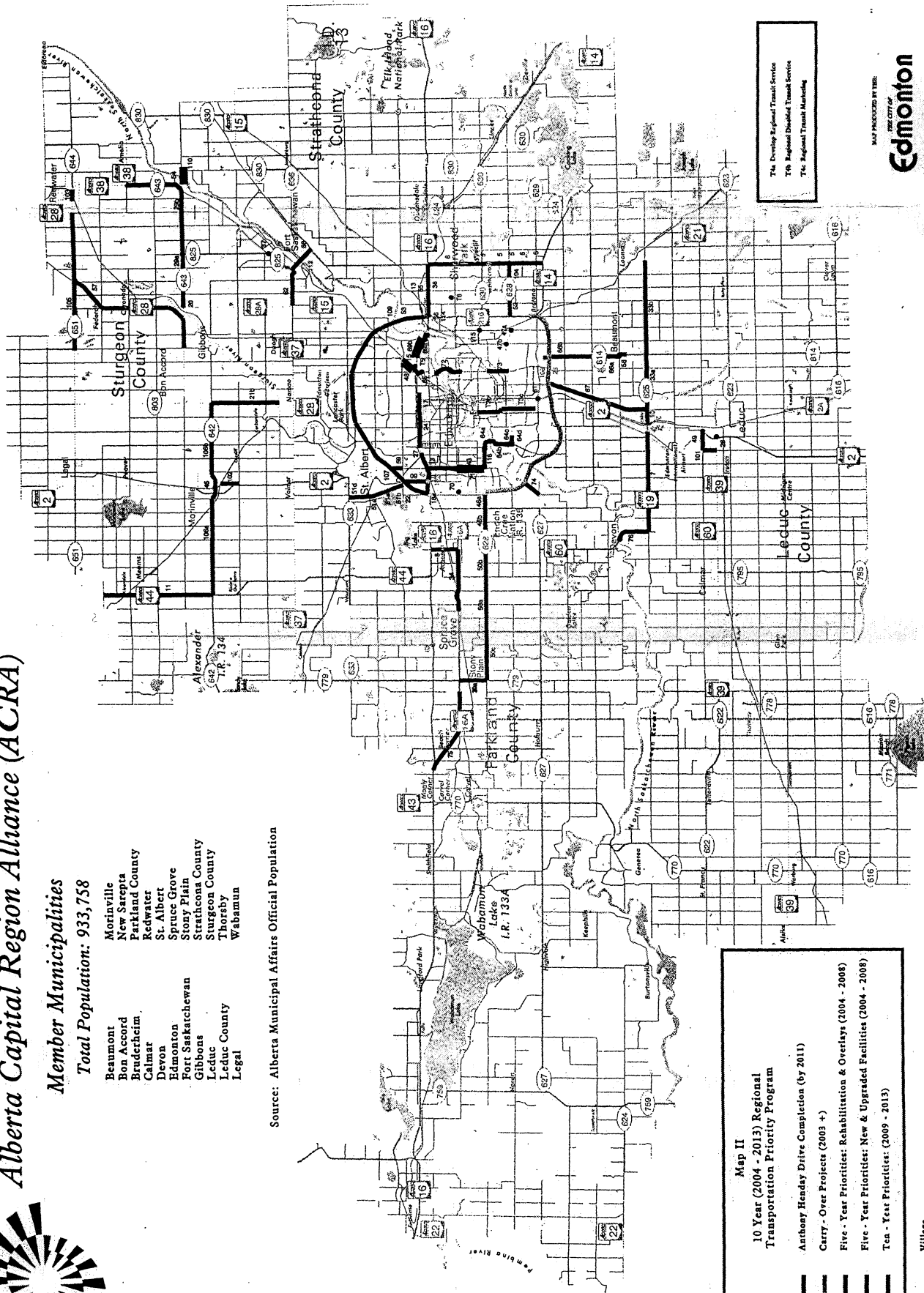
Alberta Capital Region Alliance (ACRA)

Member Municipalities

Total Population: 933,758

- Beaumont
- Bon Accord
- Bruderheim
- Calmar
- Devon
- Edmonton
- Fort Saskatchewan
- Gibbons
- Leduc County
- Legal
- Morinville
- New Sarepta
- Parkland County
- Redwater
- St. Albert
- Spruce Grove
- Stony Plain
- Strathcona County
- Thorsby
- Wabamun

Source: Alberta Municipal Affairs Official Population



Map II
10 Year (2004 - 2013) Regional
Transportation Priority Program

- Anthony Henday Drive Completion (by 2011)
- Carry - Over Projects (2003 +)
- Five - Year Priorities: Rehabilitation & Overlays (2004 - 2008)
- Five - Year Priorities: New & Upgraded Facilities (2004 - 2008)
- Ten - Year Priorities: (2009 - 2013)

- Village
- Provincial Highway
- Railway

744 Develop Regional Transit Service
746 Regional Disabled Transit Service
748 Regional Transit Marketing

MAP PROVIDED BY THE

THE CITY OF
Edmonton

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Appendix A Completed Projects

Table A
COMPLETED PROJECTS

Project No.	Project Description	Estimated Cost (\$millions)	Year of Completion
14	Manning Drive pavement rehabilitation from 137 Avenue to Edmonton's north corporate limits	7.5	2003
30b	Hwy 779 widening and overlay from S. of Hwy 16A to Hwy 16	3.0	2003
21a	Hwy 28 overlay from Edmonton's north corporate limits to Sturgeon River	10.0	2002
41	50 Street pavement rehabilitation from 23 Avenue to Whitemud Drive	2.7	2002
44	50 Street pavement rehabilitation from Edmonton's SCL to 13 Avenue	1.7	2003
T1	Planning / Prelim Design for Light Rail Transit from University Station to Heritage Station	12.0	2002
25a	St Albert Trail / Yellowhead Trail bridge rehabilitation	1.0	2002
26	Whitemud Drive pavement rehabilitation from 111 Street to west of 122 Street	1.0	2002
35	Gretzky Drive bridge rehabilitation	3.1	2002
39	75 Street pavement rehabilitation from Argyll Road to 101 Avenue	1.6	2002
40	Gretzky Drive pavement rehabilitation from 112 Avenue to 118 Avenue	0.7	2002
42	Terwillegar Drive pavement rehabilitation from Whitemud Drive to 40 Avenue	0.6	2002
T2	Edmonton Clareview Transit Centre upgrade	8.7	2001

Table A (continued)
COMPLETED PROJECTS

Project No.	Project Description	Estimated Cost (\$millions)	Year of Completion
1	HWY 60 – SH 627 to HWY16A	13.0	2001
2	HWY 2 @ Ellerslie Road interchange	41.0	2001
4	Yellowhead Trail @ Cloverbar Bridge – replace structure	20.0	2001
12	Yellowhead Trail pavement rehabilitation from 17 Street to North Saskatchewan River	0.7	2001
16	97 Street widening from 137 Avenue to 167 Avenue and pavement rehabilitation from 137 Avenue to Edmonton's north corporate limits	8.2	2001
31	Planning of SH 643 from RR 214 to RR 215 with new river crossing	1.0	2001
36a	Hwy 16A pavement overlay from RR 275 to west of Hwy 779	0.5	2001
T201	Heritage Transit Centre upgrade	4.2	2000
T202	Millwoods Transit Centre reconstruction	1.2	2000
32	SH 814 and 55 Avenue in Beaumont traffic signals	0.2	2000
201	Hwy 2 overlay from Hwy 39 to Edmonton's south corporate limits	1.7	2000
202	Hwy 21 overlay from SH 623 to TR 492	0.4	2000
204	Hwy 16A overlay through Spruce Grove	1.4	2000
205	Hwy 15 twinning from 125 Street to RR 213	3.4	2000
207	Hwy 44 widening from TR 544 to SH 642	8.0	2000

Table A (continued)
COMPLETED PROJECTS

Project No.	Project Description	Estimated Cost (\$millions)	Year of Completion
208	Calgary Trail pavement rehabilitation from Edmonton's south corporate limits to 55 Avenue	6.4	2000
209	Yellowhead Trail pavement rehabilitation from 82 Street to 89 Street	0.4	2000
210	Hwy 15 intersection improvements at Hwy 21	1.0	2000
211	St Albert Trail pavement rehabilitation from 137 Avenue to Hebert Road	1.8	2000
212	Sparrow Drive pavement rehabilitation from Airport Road to DK Ford in Leduc	0.7	2000
213	50 Street pavement rehabilitation from 43A Avenue to 61 Avenue in Leduc	0.8	2000
214	Stony Plain road pavement rehabilitation from 175 Street to 184 Street	0.7	2000
215	Stony Plain Road pavement rehabilitation from 199 Street to 215 Street	1.0	2000
216	SH 642 twinning from 97 Street to 99 Street in Morinville	0.4	2000
203	Hwy 44 widening from Hwy 16 to TR 544	6.0	1999
206	Hwy 19/Hwy 2 bridge rehabilitation	1.1	1999
217	Design of Hwy 16 / Campsite Road interchange	1.0	1998
Total		179.8	